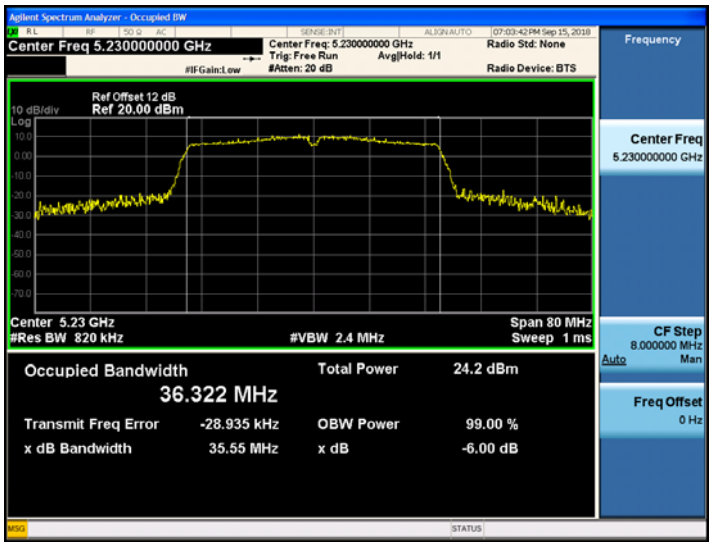
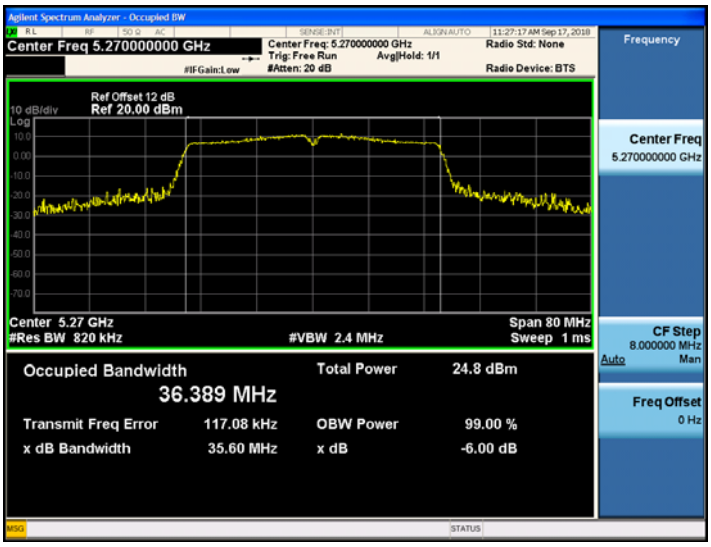
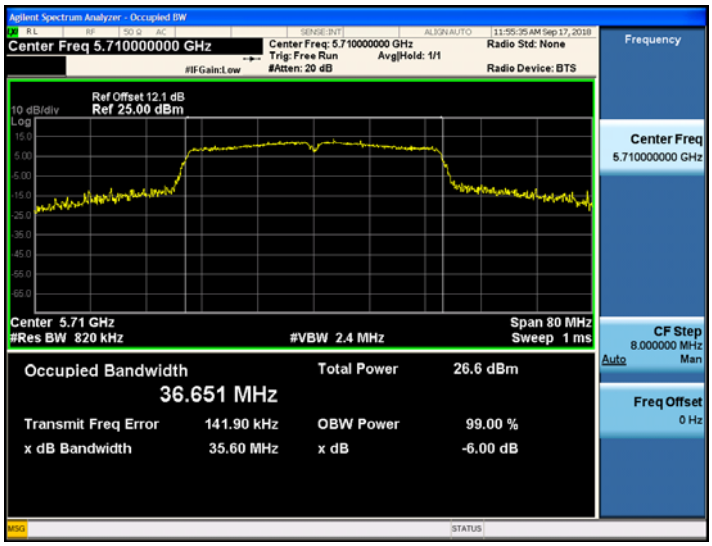
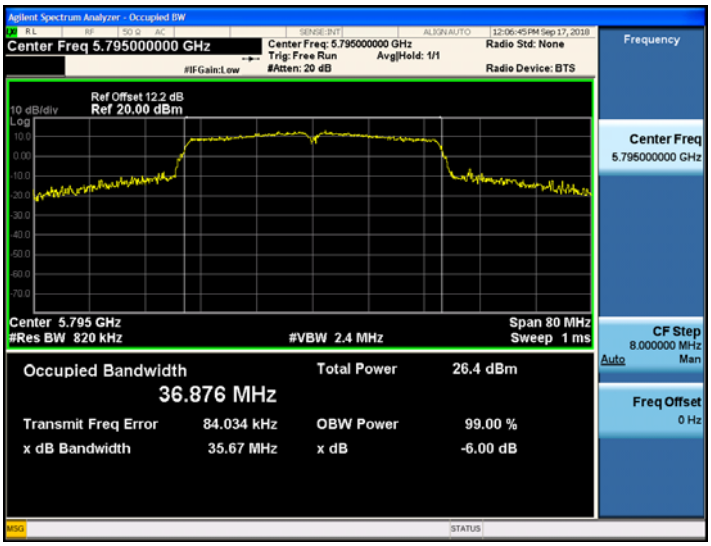
▣ TEST Plot for Internal Ant_802.11ac_VHT40

802.11ac_VHT40 UNII 1 BAND 99% Bandwidth(CH 46)	802.11ac_VHT40 UNII 2A BAND 99% Bandwidth (CH 54)
	
802.11ac_VHT40 UNII 2C BAND 99% Bandwidth(CH 142)	**802.11ac_VHT40 UNII 3 BAND 99% Bandwidth (CH 159)**
	

Note : In order to simplify the report, attached plots were only the most wide channel.

▣ TEST RESULTS for External Ant_802.11ac_VHT40

99% Bandwidth Measurements for 802.11ac_VHT40

802.11ac_VHT40 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5190	38	36.523
5230	46	36.414

99% Bandwidth Measurements for 802.11ac_VHT40

802.11ac_VHT40 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5270	54	36.429
5310	62	36.444

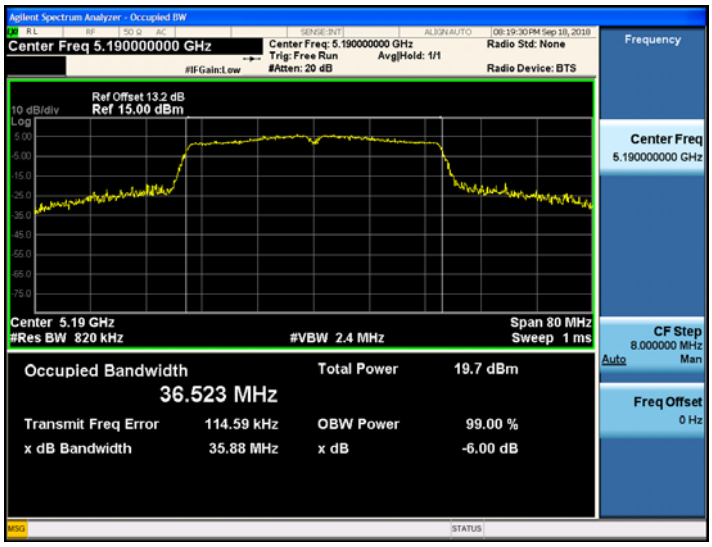
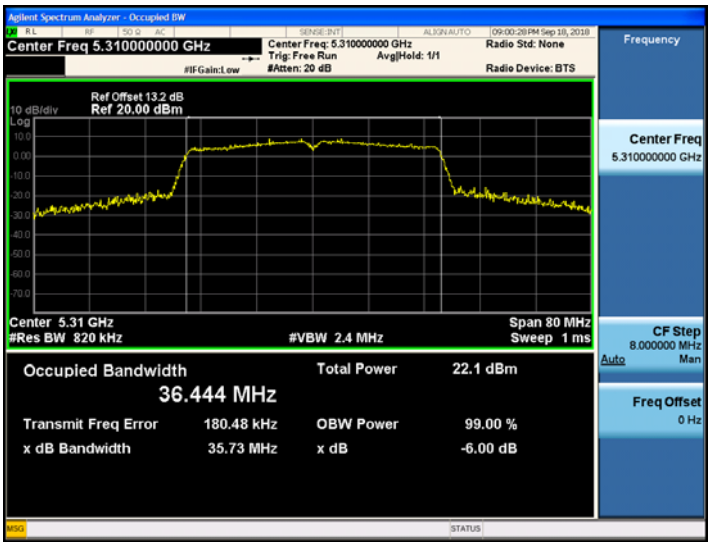
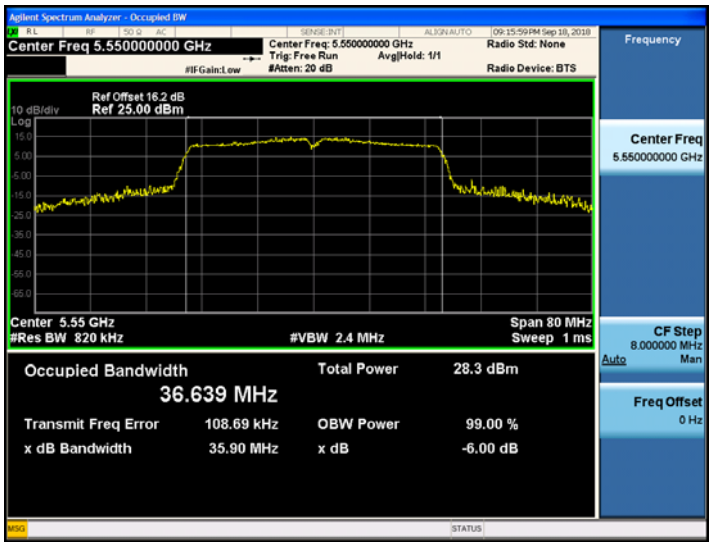
99% Bandwidth Measurements for 802.11ac_VHT40

802.11ac_VHT40 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5510	102	36.588
5550	110	36.639
5710	142	36.499

99% Bandwidth Measurements for 802.11ac_VHT40

802.11ac_VHT40 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5755	151	37.354
5795	159	39.676

▣ TEST Plot for External Ant_802.11ac_VHT40

802.11ac_VHT40 UNII 1 BAND 99% Bandwidth(CH 38)	802.11ac_VHT40 UNII 2A BAND 99% Bandwidth (CH 62)
	
802.11ac_VHT40 UNII 2C BAND 99% Bandwidth(CH 110)	**802.11ac_VHT40 UNII 3 BAND 99% Bandwidth (CH 159)**
	

Note : In order to simplify the report, attached plots were only the most wide channel.

▣ TEST RESULTS for Internal Ant_802.11ac_VHT80

99% Bandwidth Measurements for 802.11ac_VHT80

802.11ac_VHT80 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5210	42	75.497

99% Bandwidth Measurements for 802.11ac_VHT80

802.11ac_VHT80 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5290	58	75.469

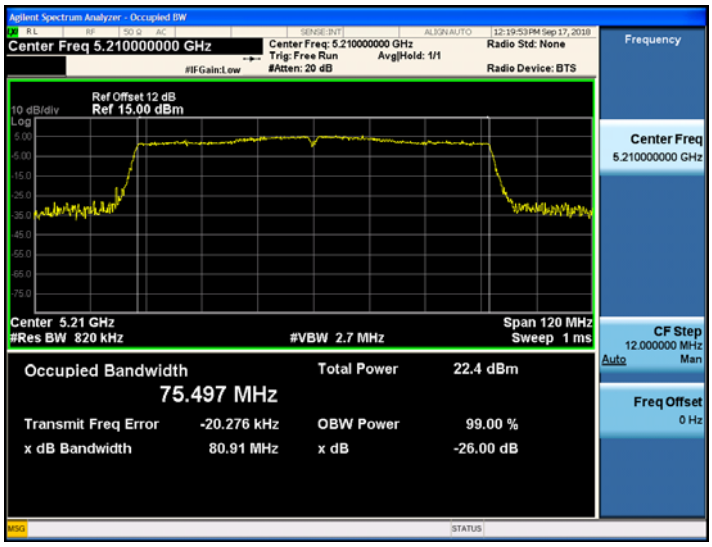
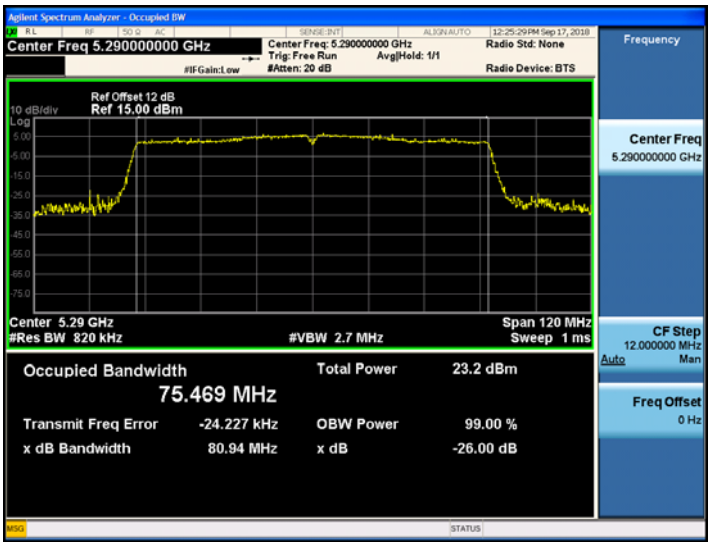
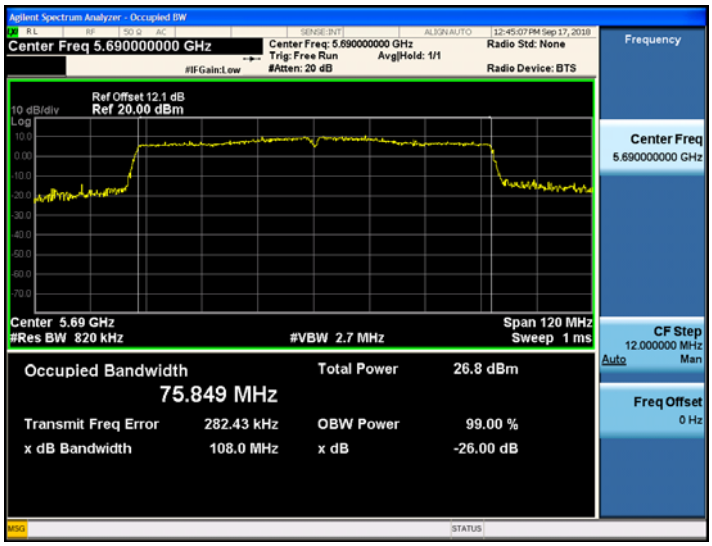
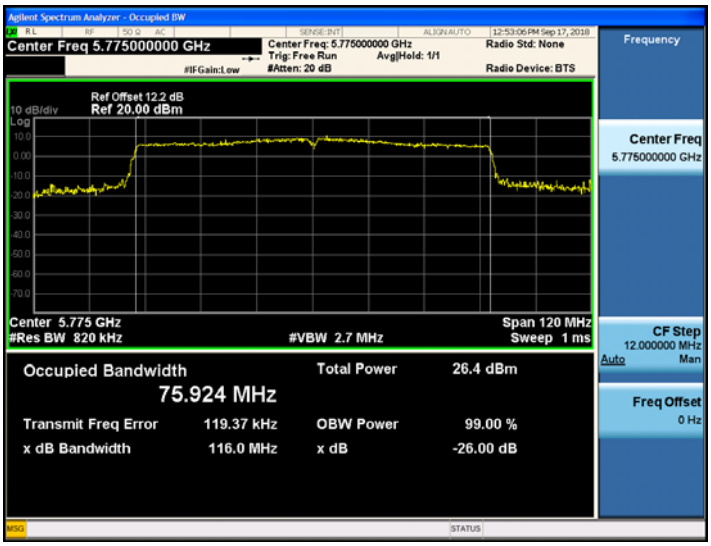
99% Bandwidth Measurements for 802.11ac_VHT80

802.11ac_VHT80 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5530	106	75.537
5610	122	75.658
5690	138	75.849

99% Bandwidth Measurements for 802.11ac_VHT80

802.11ac_VHT80 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5775	155	75.924

▣ TEST Plot for Internal Ant_802.11ac_VHT80

802.11ac_VHT80 UNII 1 BAND 99% Bandwidth(CH 42)	802.11ac_VHT80 UNII 2A BAND 99% Bandwidth(CH 58)
	
802.11ac_VHT80 UNII 2C BAND 99% Bandwidth(CH 138)	**802.11ac_VHT80 UNII 3 BAND 99% Bandwidth(CH 155)**
	

Note : In order to simplify the report, attached plots were only the most wide channel.

▣ TEST RESULTS for External Ant_802.11ac_VHT80

99% Bandwidth Measurements for 802.11ac_VHT80

802.11ac_VHT80 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5210	42	75.632

99% Bandwidth Measurements for 802.11ac_VHT80

802.11ac_VHT80 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5290	58	75.526

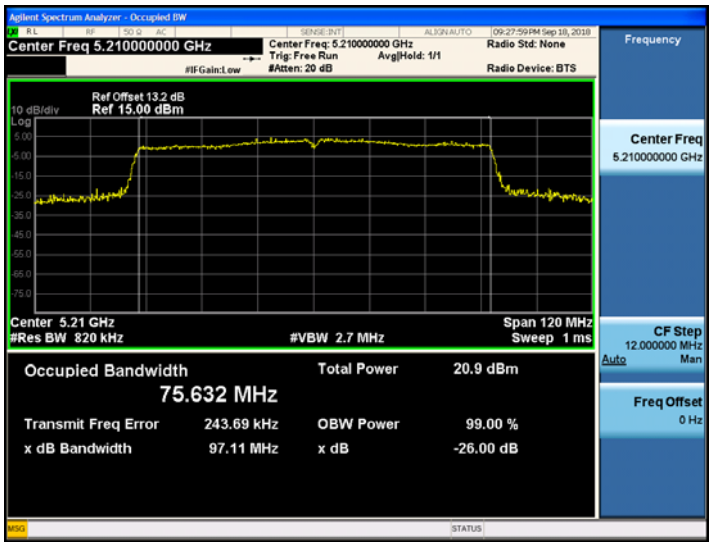
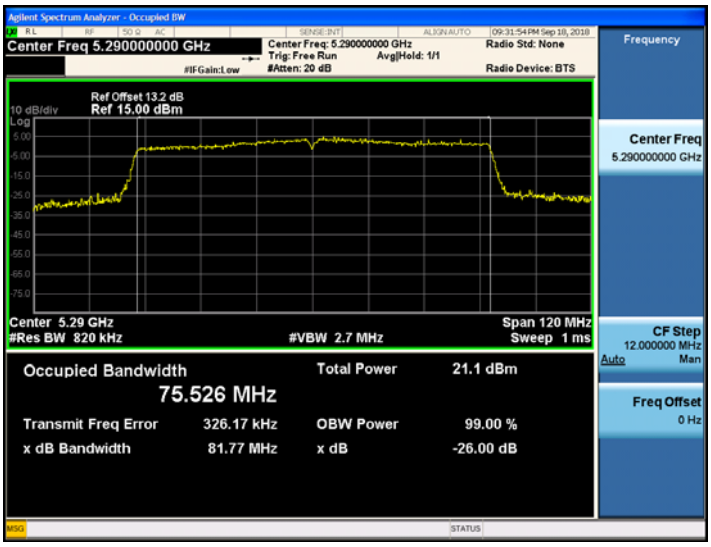
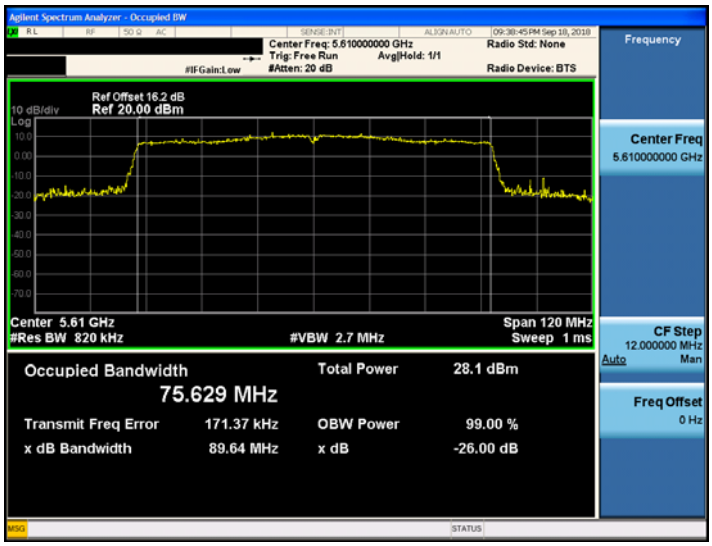
99% Bandwidth Measurements for 802.11ac_VHT80

802.11ac_VHT80 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5530	106	75.604
5610	122	75.629
5690	138	75.536

99% Bandwidth Measurements for 802.11ac_VHT80

802.11ac_VHT80 Mode		Measured Bandwidth [MHz]
Frequency [MHz]	Channel No.	
5775	155	76.367

▣ TEST Plot for External Ant_802.11ac_VHT80

802.11ac_VHT80 UNII 1 BAND 99% Bandwidth(CH 42)	802.11ac_VHT80 UNII 2A BAND 99% Bandwidth(CH 58)
	
802.11ac_VHT80 UNII 2C BAND 99% Bandwidth(CH 122)	**802.11ac_VHT80 UNII 3 BAND 99% Bandwidth(CH 155)**
	

Note : In order to simplify the report, attached plots were only the most wide channel.

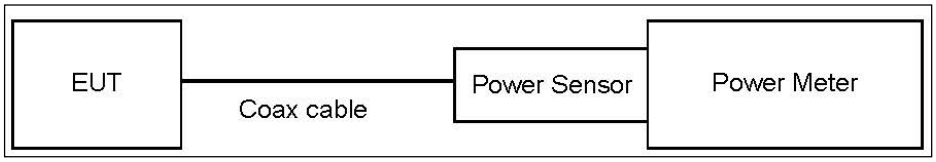
10.4 OUTPUT POWER MEASUREMENT

A transmitter antenna terminal of EUT is connected to the input of a Power meter or Spectrum Analyzer .Measurement is made while the EUT is operating in transmission mode at the appropriate frequencies.

▣ LIMIT

Band	Mode	Limit
UNII 1	802.11a,n,ac	IC : 30mW e.i.r.p (=14.77dBm) FCC : 250mW (=23.98dBm)
UNII 2A	802.11a,n,ac	IC : 30mW e.i.r.p (=14.77dBm) FCC : 250mW (=23.98dBm)
UNII 2C	802.11a,n,ac	250mW (=23.98dBm)
UNII 3	802.11a,n,ac	1W (=30.00dBm)

▣ TEST CONFIGURATION(20 MHz BW)



▣ TEST PROCEDURE(20 MHz BW)

▪ Average Power (Procedure E.3.a in KDB 789033 D02 v02r01).

1. Measure the duty cycle.
2. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
3. Add 10 log (1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times.
4.

Note :

Actual value of loss for the attenuator and cable combination is below table.

Internal

Band	Loss(dB)
UNII 1, 2A	12
UNII 2C	12.1
UNII 3	12.2

External

Band	Loss(dB)
UNII 1, 2A	13.2
UNII 2C	16.2
UNII 3	15.4

10.4.1 TEST RESULTS(IC)

Internal Ant

Mod : 802.11a

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5180	36	6 Mbps	9.69	4.30	0.21	14.21	14.77
		9 Mbps	9.49	4.30	0.31	14.10	14.77
		12 Mbps	9.44	4.30	0.40	14.14	14.77
		18 Mbps	8.99	4.30	0.59	13.88	14.77
		24 Mbps	8.80	4.30	0.75	13.85	14.77
		36 Mbps	8.44	4.30	1.06	13.80	14.77
		48 Mbps	8.23	4.30	1.37	13.89	14.77
		54 Mbps	8.12	4.30	1.49	13.91	14.77
5200	40	6 Mbps	9.78	4.30	0.21	14.29	14.77
		9 Mbps	9.66	4.30	0.31	14.27	14.77
		12 Mbps	9.54	4.30	0.40	14.24	14.77
		18 Mbps	8.81	4.30	0.59	13.70	14.77
		24 Mbps	8.84	4.30	0.75	13.89	14.77
		36 Mbps	8.56	4.30	1.06	13.92	14.77
		48 Mbps	8.46	4.30	1.37	14.13	14.77
		54 Mbps	8.06	4.30	1.49	13.85	14.77
5240	48	6 Mbps	9.60	4.30	0.21	14.11	14.77
		9 Mbps	9.91	4.30	0.31	14.53	14.77
		12 Mbps	9.76	4.30	0.40	14.46	14.77
		18 Mbps	9.34	4.30	0.59	14.23	14.77
		24 Mbps	9.17	4.30	0.75	14.22	14.77
		36 Mbps	8.80	4.30	1.06	14.16	14.77
		48 Mbps	8.66	4.30	1.37	14.32	14.77
		54 Mbps	8.45	4.30	1.49	14.23	14.77

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5260	52	6 Mbps	9.71	4.30	0.21	14.23	14.77
		9 Mbps	9.53	4.30	0.31	14.14	14.77
		12 Mbps	9.54	4.30	0.40	14.23	14.77
		18 Mbps	9.02	4.30	0.59	13.91	14.77
		24 Mbps	8.97	4.30	0.75	14.03	14.77
		36 Mbps	8.61	4.30	1.06	13.97	14.77
		48 Mbps	8.30	4.30	1.37	13.97	14.77
		54 Mbps	8.10	4.30	1.49	13.89	14.77
5300	60	6 Mbps	9.73	4.30	0.21	14.25	14.77
		9 Mbps	9.66	4.30	0.31	14.27	14.77
		12 Mbps	9.70	4.30	0.40	14.40	14.77
		18 Mbps	9.20	4.30	0.59	14.09	14.77
		24 Mbps	9.00	4.30	0.75	14.06	14.77
		36 Mbps	8.70	4.30	1.06	14.06	14.77
		48 Mbps	8.36	4.30	1.37	14.03	14.77
		54 Mbps	8.39	4.30	1.49	14.18	14.77
5320	64	6 Mbps	9.87	4.30	0.21	14.39	14.77
		9 Mbps	9.75	4.30	0.31	14.36	14.77
		12 Mbps	9.80	4.30	0.40	14.49	14.77
		18 Mbps	9.15	4.30	0.59	14.04	14.77
		24 Mbps	9.04	4.30	0.75	14.10	14.77
		36 Mbps	8.68	4.30	1.06	14.04	14.77
		48 Mbps	8.48	4.30	1.37	14.15	14.77
		54 Mbps	8.30	4.30	1.49	14.09	14.77

802.11a Mode		Rate (Mbps)	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	6	18.25	0.21	18.46	23.98
		9	18.20	0.31	18.51	23.98
		12	18.15	0.40	18.55	23.98
		18	17.80	0.59	18.39	23.98
		24	17.62	0.75	18.37	23.98
		36	17.34	1.06	18.40	23.98
		48	17.06	1.37	18.42	23.98
		54	16.95	1.49	18.43	23.98
5580	116	6	19.77	0.21	19.98	23.98
		9	19.73	0.31	20.04	23.98
		12	19.80	0.40	20.20	23.98
		18	19.28	0.59	19.87	23.98
		24	19.11	0.75	19.87	23.98
		36	18.81	1.06	19.87	23.98
		48	18.57	1.37	19.94	23.98
		54	18.42	1.49	19.91	23.98
5720	144	6	19.90	0.21	20.11	23.98
		9	19.83	0.31	20.14	23.98
		12	19.88	0.40	20.28	23.98
		18	19.50	0.59	20.09	23.98
		24	19.29	0.75	20.04	23.98
		36	18.95	1.06	20.01	23.98
		48	18.78	1.37	20.14	23.98
		54	18.56	1.49	20.04	23.98

802.11a Mode		Rate (Mbps)	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	6	19.75	0.21	19.96	30
		9	19.69	0.31	20.00	30
		12	19.72	0.40	20.12	30
		18	19.14	0.59	19.73	30
		24	19.06	0.75	19.82	30
		36	18.77	1.06	19.83	30
		48	18.64	1.37	20.01	30
		54	18.28	1.49	19.77	30
5785	157	6	19.90	0.21	20.11	30
		9	19.62	0.31	19.93	30
		12	19.66	0.40	20.06	30
		18	19.27	0.59	19.86	30
		24	19.04	0.75	19.79	30
		36	18.74	1.06	19.80	30
		48	18.59	1.37	19.95	30
		54	18.38	1.49	19.87	30
5825	165	6	19.87	0.21	20.08	30
		9	19.78	0.31	20.09	30
		12	19.71	0.40	20.11	30
		18	19.33	0.59	19.91	30
		24	19.15	0.75	19.90	30
		36	18.75	1.06	19.81	30
		48	18.59	1.37	19.95	30
		54	18.34	1.49	19.83	30

Mod : 802.11n(HT20)

802.11n(20MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5180	36	0	9.46	4.30	0.22	13.98	14.77
		1	9.33	4.30	0.43	14.05	14.77
		2	9.11	4.30	0.62	14.03	14.77
		3	8.81	4.30	0.79	13.89	14.77
		4	8.44	4.30	1.10	13.85	14.77
		5	7.98	4.30	1.38	13.67	14.77
		6	8.16	4.30	1.49	13.95	14.77
		7	7.72	4.30	1.60	13.61	14.77
5200	40	0	9.55	4.30	0.22	14.08	14.77
		1	9.44	4.30	0.43	14.16	14.77
		2	9.22	4.30	0.62	14.14	14.77
		3	8.85	4.30	0.79	13.93	14.77
		4	8.52	4.30	1.10	13.92	14.77
		5	8.22	4.30	1.38	13.90	14.77
		6	8.08	4.30	1.49	13.87	14.77
		7	7.93	4.30	1.60	13.83	14.77
5240	48	0	9.74	4.30	0.22	14.26	14.77
		1	9.61	4.30	0.43	14.33	14.77
		2	9.43	4.30	0.62	14.35	14.77
		3	9.05	4.30	0.79	14.14	14.77
		4	8.80	4.30	1.10	14.20	14.77
		5	8.44	4.30	1.38	14.12	14.77
		6	8.41	4.30	1.49	14.20	14.77
		7	8.20	4.30	1.60	14.10	14.77

802.11n(20MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5260	52	0	9.60	4.30	0.22	14.12	14.77
		1	9.52	4.30	0.43	14.25	14.77
		2	9.21	4.30	0.62	14.13	14.77
		3	8.84	4.30	0.79	13.92	14.77
		4	8.54	4.30	1.10	13.94	14.77
		5	8.31	4.30	1.38	13.99	14.77
		6	8.19	4.30	1.49	13.98	14.77
		7	8.12	4.30	1.60	14.01	14.77
5300	60	0	9.50	4.30	0.22	14.02	14.77
		1	9.51	4.30	0.43	14.24	14.77
		2	9.28	4.30	0.62	14.20	14.77
		3	8.89	4.30	0.79	13.98	14.77
		4	8.60	4.30	1.10	14.01	14.77
		5	8.24	4.30	1.38	13.92	14.77
		6	8.28	4.30	1.49	14.07	14.77
		7	8.00	4.30	1.60	13.90	14.77
5320	64	0	9.54	4.30	0.22	14.06	14.77
		1	9.46	4.30	0.43	14.19	14.77
		2	9.33	4.30	0.62	14.25	14.77
		3	8.79	4.30	0.79	13.88	14.77
		4	8.52	4.30	1.10	13.92	14.77
		5	8.32	4.30	1.38	14.00	14.77
		6	8.18	4.30	1.49	13.97	14.77
		7	8.08	4.30	1.60	13.98	14.77

802.11n_HT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	0	18.17	0.22	18.40	23.98
		1	17.99	0.43	18.41	23.98
		2	17.86	0.62	18.48	23.98
		3	17.55	0.79	18.34	23.98
		4	17.25	1.10	18.36	23.98
		5	16.96	1.38	18.34	23.98
		6	16.84	1.49	18.33	23.98
		7	16.80	1.60	18.40	23.98
5580	116	0	19.76	0.22	19.98	23.98
		1	19.56	0.43	19.98	23.98
		2	19.35	0.62	19.97	23.98
		3	19.06	0.79	19.85	23.98
		4	18.78	1.10	19.88	23.98
		5	18.55	1.38	19.93	23.98
		6	18.54	1.49	20.03	23.98
		7	18.38	1.60	19.98	23.98
5720	144	0	19.83	0.22	20.05	23.98
		1	19.66	0.43	20.08	23.98
		2	19.53	0.62	20.15	23.98
		3	19.18	0.79	19.97	23.98
		4	18.86	1.10	19.97	23.98
		5	18.54	1.38	19.93	23.98
		6	18.54	1.49	20.03	23.98
		7	18.36	1.60	19.96	23.98

802.11n_HT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	19.51	0.22	19.73	30
		1	19.41	0.43	19.83	30
		2	19.17	0.62	19.79	30
		3	18.91	0.79	19.70	30
		4	18.57	1.10	19.68	30
		5	18.30	1.38	19.68	30
		6	18.31	1.49	19.80	30
		7	18.23	1.60	19.83	30
5785	157	0	19.72	0.22	19.94	30
		1	19.51	0.43	19.94	30
		2	19.35	0.62	19.97	30
		3	19.08	0.79	19.87	30
		4	18.77	1.10	19.87	30
		5	18.58	1.38	19.97	30
		6	18.45	1.49	19.94	30
		7	18.36	1.60	19.96	30
5825	165	0	19.75	0.22	19.97	30
		1	19.50	0.43	19.93	30
		2	19.43	0.62	20.05	30
		3	19.05	0.79	19.83	30
		4	18.76	1.10	19.86	30
		5	18.54	1.38	19.92	30
		6	18.58	1.49	20.07	30
		7	18.34	1.60	19.93	30

Mod : 802.11n(HT40)

802.11n(40MHz) Mode		Rate (Mbps)	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5190	38	0	8.81	4.30	0.45	13.56	14.77
		1	8.28	4.30	0.81	13.39	14.77
		2	7.92	4.30	1.13	13.35	14.77
		3	7.80	4.30	1.41	13.50	14.77
		4	7.24	4.30	1.88	13.42	14.77
		5	6.93	4.30	2.23	13.46	14.77
		6	7.04	4.30	2.36	13.70	14.77
		7	6.83	4.30	2.53	13.66	14.77
5230	46	0	9.10	4.30	0.45	13.85	14.77
		1	8.68	4.30	0.81	13.79	14.77
		2	8.42	4.30	1.13	13.85	14.77
		3	8.17	4.30	1.41	13.87	14.77
		4	7.65	4.30	1.88	13.83	14.77
		5	7.34	4.30	2.23	13.86	14.77
		6	7.24	4.30	2.36	13.90	14.77
		7	7.00	4.30	2.53	13.82	14.77

802.11n(40MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5270	54	0	8.77	4.30	0.45	13.51	14.77
		1	8.48	4.30	0.81	13.59	14.77
		2	8.31	4.30	1.13	13.73	14.77
		3	8.02	4.30	1.41	13.72	14.77
		4	7.36	4.30	1.88	13.53	14.77
		5	7.15	4.30	2.23	13.68	14.77
		6	6.97	4.30	2.36	13.63	14.77
		7	6.85	4.30	2.53	13.67	14.77
5310	62	0	8.82	4.30	0.45	13.57	14.77
		1	8.63	4.30	0.81	13.74	14.77
		2	8.23	4.30	1.13	13.66	14.77
		3	8.03	4.30	1.41	13.73	14.77
		4	7.51	4.30	1.88	13.69	14.77
		5	7.12	4.30	2.23	13.65	14.77
		6	6.98	4.30	2.36	13.64	14.77
		7	6.83	4.30	2.53	13.65	14.77

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	17.45	0.45	17.90	23.98
		1	17.08	0.81	17.89	23.98
		2	16.84	1.13	17.97	23.98
		3	16.57	1.41	17.98	23.98
		4	16.17	1.88	18.04	23.98
		5	15.74	2.23	17.97	23.98
		6	15.60	2.36	17.96	23.98
		7	15.39	2.53	17.92	23.98
5550	110	0	19.03	0.45	19.48	23.98
		1	18.46	0.81	19.27	23.98
		2	18.10	1.13	19.23	23.98
		3	17.87	1.41	19.27	23.98
		4	17.40	1.88	19.28	23.98
		5	17.12	2.23	19.34	23.98
		6	16.99	2.36	19.35	23.98
		7	16.89	2.53	19.42	23.98
5710	142	0	19.14	0.45	19.59	23.98
		1	18.71	0.81	19.52	23.98
		2	18.45	1.13	19.57	23.98
		3	18.16	1.41	19.57	23.98
		4	17.76	1.88	19.63	23.98
		5	17.47	2.23	19.70	23.98
		6	17.31	2.36	19.67	23.98
		7	17.16	2.53	19.68	23.98

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	18.83	0.45	19.28	30
		1	18.58	0.81	19.39	30
		2	18.24	1.13	19.37	30
		3	17.87	1.41	19.28	30
		4	17.51	1.88	19.38	30
		5	17.07	2.23	19.29	30
		6	16.91	2.36	19.27	30
		7	16.65	2.53	19.17	30
5795	159	0	18.81	0.45	19.26	30
		1	18.43	0.81	19.24	30
		2	18.10	1.13	19.23	30
		3	17.92	1.41	19.32	30
		4	17.25	1.88	19.12	30
		5	16.96	2.23	19.19	30
		6	16.83	2.36	19.19	30
		7	16.65	2.53	19.18	30

Mod : 802.11ac(VHT20)

802.11ac(20MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5180	36	0	9.13	4.30	0.21	13.64	14.77
		1	9.21	4.30	0.42	13.93	14.77
		2	9.01	4.30	0.61	13.92	14.77
		3	8.65	4.30	0.79	13.74	14.77
		4	8.38	4.30	1.09	13.77	14.77
		5	8.17	4.30	1.34	13.81	14.77
		6	7.64	4.30	1.47	13.41	14.77
		7	7.96	4.30	1.57	13.83	14.77
		8	7.73	4.30	1.78	13.81	14.77
5200	40	0	9.44	4.30	0.21	13.95	14.77
		1	9.25	4.30	0.42	13.97	14.77
		2	9.11	4.30	0.61	14.03	14.77
		3	8.69	4.30	0.79	13.78	14.77
		4	8.48	4.30	1.09	13.87	14.77
		5	8.21	4.30	1.34	13.86	14.77
		6	8.14	4.30	1.47	13.90	14.77
		7	8.05	4.30	1.57	13.93	14.77
		8	7.74	4.30	1.78	13.82	14.77
5240	48	0	9.71	4.30	0.21	14.22	14.77
		1	9.51	4.30	0.42	14.24	14.77
		2	9.46	4.30	0.61	14.37	14.77
		3	8.97	4.30	0.79	14.05	14.77
		4	8.72	4.30	1.09	14.11	14.77
		5	8.36	4.30	1.34	14.00	14.77
		6	8.27	4.30	1.47	14.04	14.77
		7	8.26	4.30	1.57	14.13	14.77
		8	8.00	4.30	1.78	14.08	14.77

802.11ac(20MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain (dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5260	52	0	9.49	4.30	0.21	14.00	14.77
		1	9.46	4.30	0.42	14.18	14.77
		2	9.22	4.30	0.61	14.13	14.77
		3	8.83	4.30	0.79	13.92	14.77
		4	8.37	4.30	1.09	13.76	14.77
		5	8.23	4.30	1.34	13.87	14.77
		6	8.19	4.30	1.47	13.96	14.77
		7	7.96	4.30	1.57	13.83	14.77
		8	7.90	4.30	1.78	13.98	14.77
5300	60	0	9.71	4.30	0.21	14.22	14.77
		1	9.58	4.30	0.42	14.30	14.77
		2	9.34	4.30	0.61	14.26	14.77
		3	8.84	4.30	0.79	13.93	14.77
		4	8.71	4.30	1.09	14.10	14.77
		5	8.44	4.30	1.34	14.08	14.77
		6	8.36	4.30	1.47	14.13	14.77
		7	8.29	4.30	1.57	14.17	14.77
		8	8.11	4.30	1.78	14.18	14.77
5320	64	0	9.86	4.30	0.21	14.37	14.77
		1	9.55	4.30	0.42	14.28	14.77
		2	9.29	4.30	0.61	14.20	14.77
		3	9.07	4.30	0.79	14.15	14.77
		4	8.57	4.30	1.09	13.96	14.77
		5	8.37	4.30	1.34	14.01	14.77
		6	8.36	4.30	1.47	14.13	14.77
		7	8.32	4.30	1.57	14.19	14.77
		8	7.96	4.30	1.78	14.04	14.77

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	0	18.04	0.21	18.25	23.98
		1	17.90	0.42	18.33	23.98
		2	17.70	0.61	18.31	23.98
		3	17.42	0.79	18.20	23.98
		4	17.00	1.09	18.09	23.98
		5	16.89	1.34	18.23	23.98
		6	16.63	1.47	18.10	23.98
		7	16.58	1.57	18.15	23.98
		8	16.24	1.78	18.02	23.98
5580	116	0	19.69	0.21	19.90	23.98
		1	19.45	0.42	19.88	23.98
		2	19.22	0.61	19.84	23.98
		3	18.96	0.79	19.75	23.98
		4	18.68	1.09	19.78	23.98
		5	18.46	1.34	19.81	23.98
		6	18.39	1.47	19.86	23.98
		7	18.35	1.57	19.92	23.98
		8	18.12	1.78	19.90	23.98
5720	144	0	19.63	0.21	19.85	23.98
		1	19.58	0.42	20.01	23.98
		2	19.38	0.61	19.99	23.98
		3	19.09	0.79	19.87	23.98
		4	18.84	1.09	19.93	23.98
		5	18.62	1.34	19.96	23.98
		6	18.41	1.47	19.88	23.98
		7	18.38	1.57	19.95	23.98
		8	18.21	1.78	19.99	23.98

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	19.54	0.21	19.76	30
		1	19.52	0.42	19.94	30
		2	19.21	0.61	19.83	30
		3	18.85	0.79	19.64	30
		4	18.61	1.09	19.70	30
		5	18.46	1.34	19.80	30
		6	18.14	1.47	19.61	30
		7	18.25	1.57	19.82	30
		8	17.96	1.78	19.74	30
5785	157	0	19.52	0.21	19.73	30
		1	19.44	0.42	19.87	30
		2	19.20	0.61	19.82	30
		3	18.87	0.79	19.66	30
		4	18.59	1.09	19.69	30
		5	18.44	1.34	19.79	30
		6	18.21	1.47	19.68	30
		7	18.11	1.57	19.69	30
		8	18.02	1.78	19.80	30
5825	165	0	19.47	0.21	19.68	30
		1	19.35	0.42	19.77	30
		2	19.22	0.61	19.83	30
		3	18.95	0.79	19.73	30
		4	18.69	1.09	19.78	30
		5	18.54	1.34	19.88	30
		6	18.14	1.47	19.61	30
		7	18.25	1.57	19.82	30
		8	17.87	1.78	19.65	30

Mod : 802.11ac(VHT40)

802.11ac(40MHz) Mode		MCS Index	MCS Index	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5190	38	0	8.77	4.30	0.44	13.52	14.77
		1	8.38	4.30	0.81	13.49	14.77
		2	8.19	4.30	1.12	13.62	14.77
		3	7.95	4.30	1.39	13.64	14.77
		4	7.57	4.30	1.84	13.71	14.77
		5	7.23	4.30	2.17	13.70	14.77
		6	6.96	4.30	2.31	13.57	14.77
		7	6.81	4.30	2.48	13.58	14.77
		8	6.56	4.30	2.71	13.57	14.77
		9	6.49	4.30	2.79	13.58	14.77
5230	46	0	9.03	4.30	0.44	13.77	14.77
		1	8.88	4.30	0.81	13.99	14.77
		2	8.41	4.30	1.12	13.83	14.77
		3	8.01	4.30	1.39	13.70	14.77
		4	7.59	4.30	1.84	13.73	14.77
		5	7.28	4.30	2.17	13.75	14.77
		6	7.18	4.30	2.31	13.79	14.77
		7	7.10	4.30	2.48	13.88	14.77
		8	6.76	4.30	2.71	13.77	14.77
		9	6.77	4.30	2.79	13.85	14.77

802.11ac(40MHz) Mode		MCS Index	MCS Index	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5270	54	0	8.71	4.30	0.44	13.45	14.77
		1	8.63	4.30	0.81	13.73	14.77
		2	8.30	4.30	1.12	13.73	14.77
		3	7.86	4.30	1.39	13.55	14.77
		4	7.50	4.30	1.84	13.63	14.77
		5	7.16	4.30	2.17	13.63	14.77
		6	7.00	4.30	2.31	13.61	14.77
		7	6.83	4.30	2.48	13.61	14.77
		8	6.57	4.30	2.71	13.58	14.77
		9	6.55	4.30	2.79	13.64	14.77
5310	62	0	8.96	4.30	0.44	13.71	14.77
		1	8.53	4.30	0.81	13.64	14.77
		2	8.36	4.30	1.12	13.78	14.77
		3	7.90	4.30	1.39	13.59	14.77
		4	7.48	4.30	1.84	13.62	14.77
		5	7.15	4.30	2.17	13.62	14.77
		6	7.05	4.30	2.31	13.66	14.77
		7	6.90	4.30	2.48	13.68	14.77
		8	6.53	4.30	2.71	13.54	14.77
		9	6.58	4.30	2.79	13.67	14.77

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	16.29	0.44	16.74	23.98
		1	15.94	0.81	16.74	23.98
		2	15.74	1.12	16.86	23.98
		3	15.41	1.39	16.80	23.98
		4	14.99	1.84	16.83	23.98
		5	14.78	2.17	16.95	23.98
		6	14.58	2.31	16.89	23.98
		7	14.11	2.48	16.58	23.98
		8	14.16	2.71	16.87	23.98
		9	13.84	2.79	16.62	23.98
5550	110	0	18.84	0.44	19.28	23.98
		1	18.53	0.81	19.34	23.98
		2	18.21	1.12	19.33	23.98
		3	18.04	1.39	19.43	23.98
		4	17.54	1.84	19.37	23.98
		5	17.01	2.17	19.18	23.98
		6	16.79	2.31	19.10	23.98
		7	16.70	2.48	19.18	23.98
		8	16.49	2.71	19.21	23.98
		9	16.45	2.79	19.24	23.98
5710	142	0	19.31	0.44	19.75	23.98
		1	18.74	0.81	19.54	23.98
		2	18.51	1.12	19.63	23.98
		3	18.10	1.39	19.49	23.98
		4	17.70	1.84	19.54	23.98
		5	17.42	2.17	19.59	23.98
		6	17.27	2.31	19.58	23.98
		7	17.14	2.48	19.62	23.98
		8	16.88	2.71	19.59	23.98
		9	16.87	2.79	19.66	23.98

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	18.92	0.44	19.37	30
		1	18.51	0.81	19.31	30
		2	18.00	1.12	19.12	30
		3	17.82	1.39	19.21	30
		4	17.52	1.84	19.36	30
		5	17.05	2.17	19.22	30
		6	16.95	2.31	19.26	30
		7	16.62	2.48	19.10	30
		8	16.50	2.71	19.21	30
		9	16.48	2.79	19.27	30
5795	159	0	18.67	0.44	19.12	30
		1	18.41	0.81	19.22	30
		2	18.13	1.12	19.26	30
		3	17.82	1.39	19.21	30
		4	17.49	1.84	19.33	30
		5	17.06	2.17	19.23	30
		6	17.00	2.31	19.31	30
		7	16.81	2.48	19.29	30
		8	16.58	2.71	19.29	30
		9	16.51	2.79	19.30	30

Mod : 802.11ac(VHT80)

802.11ac(80MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5210	42	0	8.87	4.30	0.86	14.03	14.77
		1	8.26	4.30	1.48	14.04	14.77
		2	7.81	4.30	1.92	14.03	14.77
		3	7.38	4.30	2.27	13.95	14.77
		4	6.90	4.30	2.26	13.46	14.77
		5	6.58	4.30	2.79	13.67	14.77
		6	6.37	4.30	3.12	13.79	14.77
		7	6.28	4.30	3.33	13.91	14.77
		8	6.07	4.30	3.73	14.09	14.77
		9	5.95	4.30	3.81	14.06	14.77

802.11ac(80MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5290	58	0	8.66	4.30	0.86	13.82	14.77
		1	8.02	4.30	1.48	13.80	14.77
		2	7.62	4.30	1.92	13.84	14.77
		3	7.16	4.30	2.27	13.73	14.77
		4	6.64	4.30	2.26	13.20	14.77
		5	6.39	4.30	2.79	13.48	14.77
		6	6.05	4.30	3.12	13.47	14.77
		7	6.06	4.30	3.33	13.69	14.77
		8	5.84	4.30	3.73	13.87	14.77
		9	5.70	4.30	3.81	13.81	14.77

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5530	106	0	15.25	0.86	16.11	23.98
		1	14.58	1.48	16.06	23.98
		2	14.16	1.92	16.08	23.98
		3	13.49	2.27	15.76	23.98
		4	13.33	2.26	15.59	23.98
		5	13.00	2.79	15.79	23.98
		6	12.67	3.12	15.79	23.98
		7	12.61	3.33	15.94	23.98
		8	12.35	3.73	16.08	23.98
		9	12.19	3.81	16.00	23.98
5610	122	0	18.54	0.86	19.41	23.98
		1	17.89	1.48	19.37	23.98
		2	17.54	1.92	19.46	23.98
		3	17.16	2.27	19.42	23.98
		4	16.73	2.26	18.98	23.98
		5	16.35	2.79	19.14	23.98
		6	16.11	3.12	19.23	23.98
		7	16.00	3.33	19.33	23.98
		8	15.87	3.73	19.60	23.98
		9	15.71	3.81	19.52	23.98
5690	138	0	18.82	0.86	19.68	23.98
		1	18.27	1.48	19.75	23.98
		2	17.85	1.92	19.77	23.98
		3	17.49	2.27	19.76	23.98
		4	16.95	2.26	19.21	23.98
		5	16.62	2.79	19.41	23.98
		6	16.40	3.12	19.52	23.98
		7	16.29	3.33	19.62	23.98
		8	16.06	3.73	19.79	23.98
		9	15.92	3.81	19.73	23.98

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5775	155	0	18.24	0.86	19.10	30
		1	17.68	1.48	19.16	30
		2	17.10	1.92	19.02	30
		3	16.86	2.27	19.13	30
		4	16.35	2.26	18.61	30
		5	15.89	2.79	18.68	30
		6	15.66	3.12	18.79	30
		7	15.60	3.33	18.93	30
		8	15.40	3.73	19.13	30
		9	15.30	3.81	19.10	30

External Ant

Mod : 802.11a

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5180	36	6 Mbps	12.42	1.60	0.21	14.23	14.77
		9 Mbps	12.17	1.60	0.32	14.08	14.77
		12 Mbps	12.32	1.60	0.40	14.32	14.77
		18 Mbps	11.82	1.60	0.58	14.00	14.77
		24 Mbps	11.71	1.60	0.76	14.06	14.77
		36 Mbps	11.37	1.60	1.06	14.03	14.77
		48 Mbps	10.98	1.60	1.37	13.94	14.77
		54 Mbps	11.05	1.60	1.49	14.14	14.77
5200	40	6 Mbps	12.74	1.60	0.21	14.54	14.77
		9 Mbps	12.67	1.60	0.32	14.59	14.77
		12 Mbps	12.37	1.60	0.40	14.37	14.77
		18 Mbps	11.96	1.60	0.58	14.14	14.77
		24 Mbps	11.82	1.60	0.76	14.17	14.77
		36 Mbps	11.55	1.60	1.06	14.21	14.77
		48 Mbps	11.42	1.60	1.37	14.39	14.77
		54 Mbps	11.27	1.60	1.49	14.36	14.77
5240	48	6 Mbps	12.39	1.60	0.21	14.20	14.77
		9 Mbps	12.31	1.60	0.32	14.22	14.77
		12 Mbps	12.25	1.60	0.40	14.26	14.77
		18 Mbps	11.85	1.60	0.58	14.03	14.77
		24 Mbps	11.48	1.60	0.76	13.84	14.77
		36 Mbps	11.32	1.60	1.06	13.98	14.77
		48 Mbps	11.10	1.60	1.37	14.07	14.77
		54 Mbps	10.85	1.60	1.49	13.94	14.77

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5260	52	6 Mbps	12.12	1.60	0.21	13.93	14.77
		9 Mbps	11.99	1.60	0.32	13.90	14.77
		12 Mbps	11.91	1.60	0.40	13.91	14.77
		18 Mbps	11.47	1.60	0.58	13.66	14.77
		24 Mbps	11.24	1.60	0.76	13.60	14.77
		36 Mbps	11.03	1.60	1.06	13.69	14.77
		48 Mbps	10.67	1.60	1.37	13.63	14.77
		54 Mbps	10.34	1.60	1.49	13.43	14.77
5300	60	6 Mbps	12.72	1.60	0.21	14.53	14.77
		9 Mbps	12.59	1.60	0.32	14.51	14.77
		12 Mbps	12.51	1.60	0.40	14.51	14.77
		18 Mbps	12.03	1.60	0.58	14.21	14.77
		24 Mbps	11.88	1.60	0.76	14.23	14.77
		36 Mbps	11.49	1.60	1.06	14.16	14.77
		48 Mbps	11.29	1.60	1.37	14.26	14.77
		54 Mbps	11.10	1.60	1.49	14.19	14.77
5320	64	6 Mbps	12.12	1.60	0.21	13.93	14.77
		9 Mbps	12.06	1.60	0.32	13.98	14.77
		12 Mbps	11.95	1.60	0.40	13.95	14.77
		18 Mbps	11.50	1.60	0.58	13.68	14.77
		24 Mbps	11.21	1.60	0.76	13.57	14.77
		36 Mbps	10.88	1.60	1.06	13.55	14.77
		48 Mbps	10.71	1.60	1.37	13.68	14.77
		54 Mbps	10.49	1.60	1.49	13.58	14.77

802.11a Mode		Rate (Mbps)	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	6	20.42	0.21	20.63	23.98
		9	20.22	0.32	20.53	23.98
		12	20.18	0.40	20.58	23.98
		18	19.80	0.58	20.38	23.98
		24	19.64	0.76	20.39	23.98
		36	19.13	1.06	20.20	23.98
		48	18.99	1.37	20.36	23.98
		54	18.79	1.49	20.28	23.98
5580	116	6	20.39	0.21	20.60	23.98
		9	20.41	0.32	20.73	23.98
		12	20.24	0.40	20.64	23.98
		18	19.95	0.58	20.54	23.98
		24	19.71	0.76	20.47	23.98
		36	19.30	1.06	20.36	23.98
		48	19.31	1.37	20.67	23.98
		54	18.88	1.49	20.37	23.98
5720	144	6	19.83	0.21	20.04	23.98
		9	19.69	0.32	20.00	23.98
		12	19.68	0.40	20.08	23.98
		18	19.16	0.58	19.74	23.98
		24	18.98	0.76	19.73	23.98
		36	18.63	1.06	19.69	23.98
		48	18.45	1.37	19.82	23.98
		54	18.32	1.49	19.81	23.98

802.11a Mode		Rate (Mbps)	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	6	20.54	0.21	20.74	30
		9	20.54	0.32	20.86	30
		12	20.36	0.40	20.76	30
		18	20.08	0.58	20.67	30
		24	19.87	0.76	20.63	30
		36	19.62	1.06	20.68	30
		48	19.36	1.37	20.73	30
		54	19.06	1.49	20.55	30
5785	157	6	20.05	0.21	20.26	30
		9	19.94	0.32	20.26	30
		12	19.77	0.40	20.18	30
		18	19.43	0.58	20.01	30
		24	19.34	0.76	20.09	30
		36	19.00	1.06	20.06	30
		48	18.81	1.37	20.17	30
		54	18.63	1.49	20.12	30
5825	165	6	19.35	0.21	19.55	30
		9	19.32	0.32	19.63	30
		12	19.24	0.40	19.64	30
		18	18.81	0.58	19.40	30
		24	18.71	0.76	19.47	30
		36	18.34	1.06	19.41	30
		48	18.19	1.37	19.56	30
		54	17.89	1.49	19.38	30

Mod : 802.11n(HT20)

802.11n(20MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5180	36	0	12.35	1.60	0.23	14.18	14.77
		1	12.18	1.60	0.43	14.21	14.77
		2	12.01	1.60	0.62	14.22	14.77
		3	11.70	1.60	0.80	14.10	14.77
		4	11.45	1.60	1.09	14.14	14.77
		5	11.23	1.60	1.37	14.20	14.77
		6	11.14	1.60	1.49	14.22	14.77
		7	10.86	1.60	1.60	14.07	14.77
5200	40	0	12.58	1.60	0.23	14.41	14.77
		1	12.35	1.60	0.43	14.38	14.77
		2	12.21	1.60	0.62	14.42	14.77
		3	11.90	1.60	0.80	14.29	14.77
		4	11.51	1.60	1.09	14.21	14.77
		5	11.24	1.60	1.37	14.21	14.77
		6	11.15	1.60	1.49	14.24	14.77
		7	11.01	1.60	1.60	14.22	14.77
5240	48	0	12.09	1.60	0.23	13.92	14.77
		1	11.88	1.60	0.43	13.91	14.77
		2	11.68	1.60	0.62	13.90	14.77
		3	11.33	1.60	0.80	13.73	14.77
		4	11.10	1.60	1.09	13.79	14.77
		5	10.87	1.60	1.37	13.84	14.77
		6	10.70	1.60	1.49	13.79	14.77
		7	10.61	1.60	1.60	13.82	14.77

802.11n(20MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5260	52	0	12.52	1.60	0.23	14.35	14.77
		1	12.35	1.60	0.43	14.38	14.77
		2	12.19	1.60	0.62	14.41	14.77
		3	11.90	1.60	0.80	14.30	14.77
		4	11.62	1.60	1.09	14.31	14.77
		5	11.40	1.60	1.37	14.37	14.77
		6	11.30	1.60	1.49	14.39	14.77
		7	11.18	1.60	1.60	14.38	14.77
5300	60	0	12.39	1.60	0.23	14.22	14.77
		1	12.12	1.60	0.43	14.15	14.77
		2	11.95	1.60	0.62	14.16	14.77
		3	11.57	1.60	0.80	13.96	14.77
		4	11.24	1.60	1.09	13.93	14.77
		5	10.95	1.60	1.37	13.92	14.77
		6	10.90	1.60	1.49	13.99	14.77
		7	10.77	1.60	1.60	13.98	14.77
5320	64	0	12.49	1.60	0.23	14.32	14.77
		1	12.32	1.60	0.43	14.35	14.77
		2	12.19	1.60	0.62	14.40	14.77
		3	11.83	1.60	0.80	14.23	14.77
		4	11.43	1.60	1.09	14.12	14.77
		5	11.32	1.60	1.37	14.29	14.77
		6	11.12	1.60	1.49	14.20	14.77
		7	11.14	1.60	1.60	14.35	14.77

802.11n_HT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	0	20.06	0.23	20.29	23.98
		1	19.96	0.43	20.39	23.98
		2	19.85	0.62	20.47	23.98
		3	19.48	0.80	20.28	23.98
		4	19.20	1.09	20.29	23.98
		5	19.00	1.37	20.37	23.98
		6	18.85	1.49	20.33	23.98
		7	18.79	1.60	20.40	23.98
5580	116	0	20.35	0.23	20.57	23.98
		1	20.08	0.43	20.51	23.98
		2	19.89	0.62	20.51	23.98
		3	19.57	0.80	20.36	23.98
		4	19.34	1.09	20.43	23.98
		5	19.09	1.37	20.47	23.98
		6	19.03	1.49	20.52	23.98
		7	18.96	1.60	20.56	23.98
5720	144	0	19.63	0.23	19.86	23.98
		1	19.57	0.43	19.99	23.98
		2	19.30	0.62	19.91	23.98
		3	19.01	0.80	19.81	23.98
		4	18.71	1.09	19.81	23.98
		5	18.44	1.37	19.81	23.98
		6	18.49	1.49	19.98	23.98
		7	18.34	1.60	19.94	23.98

802.11n_HT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	20.19	0.23	20.42	30
		1	20.17	0.43	20.59	30
		2	19.87	0.62	20.48	30
		3	19.52	0.80	20.32	30
		4	19.28	1.09	20.38	30
		5	19.10	1.37	20.47	30
		6	18.94	1.49	20.43	30
		7	18.89	1.60	20.49	30
5785	157	0	19.62	0.23	19.84	30
		1	19.44	0.43	19.87	30
		2	19.38	0.62	19.99	30
		3	19.06	0.80	19.85	30
		4	18.80	1.09	19.89	30
		5	18.50	1.37	19.88	30
		6	18.42	1.49	19.90	30
		7	18.31	1.60	19.91	30
5825	165	0	18.96	0.23	19.19	30
		1	18.83	0.43	19.25	30
		2	18.66	0.62	19.27	30
		3	18.39	0.80	19.19	30
		4	18.02	1.09	19.11	30
		5	17.89	1.37	19.26	30
		6	17.77	1.49	19.26	30
		7	17.68	1.60	19.28	30

Mod : 802.11n(HT40)

802.11n(40MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5190	38	0	11.30	1.60	0.44	13.34	14.77
		1	10.97	1.60	0.81	13.38	14.77
		2	10.71	1.60	1.13	13.45	14.77
		3	10.41	1.60	1.41	13.42	14.77
		4	10.04	1.60	1.88	13.52	14.77
		5	9.77	1.60	2.22	13.59	14.77
		6	9.64	1.60	2.36	13.60	14.77
		7	9.49	1.60	2.53	13.61	14.77
5230	46	0	12.00	1.60	0.44	14.04	14.77
		1	11.62	1.60	0.81	14.03	14.77
		2	11.34	1.60	1.13	14.08	14.77
		3	10.99	1.60	1.41	14.00	14.77
		4	10.62	1.60	1.88	14.10	14.77
		5	10.23	1.60	2.22	14.05	14.77
		6	10.12	1.60	2.36	14.08	14.77
		7	9.93	1.60	2.53	14.05	14.77

802.11n(40MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.						
5270	54	0	11.64	1.60	0.44	13.68	14.77
		1	11.34	1.60	0.81	13.75	14.77
		2	11.09	1.60	1.13	13.82	14.77
		3	10.82	1.60	1.41	13.83	14.77
		4	10.43	1.60	1.88	13.91	14.77
		5	10.08	1.60	2.22	13.89	14.77
		6	9.91	1.60	2.36	13.87	14.77
		7	9.71	1.60	2.53	13.83	14.77
5310	62	0	12.34	1.60	0.44	14.38	14.77
		1	11.98	1.60	0.81	14.39	14.77
		2	11.66	1.60	1.13	14.39	14.77
		3	11.41	1.60	1.41	14.43	14.77
		4	11.01	1.60	1.88	14.49	14.77
		5	10.67	1.60	2.22	14.49	14.77
		6	10.59	1.60	2.36	14.55	14.77
		7	10.46	1.60	2.53	14.58	14.77

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	19.36	0.44	19.80	23.98
		1	19.11	0.81	19.93	23.98
		2	18.87	1.13	20.01	23.98
		3	18.56	1.41	19.97	23.98
		4	18.13	1.88	20.01	23.98
		5	17.74	2.22	19.95	23.98
		6	17.58	2.36	19.94	23.98
		7	17.40	2.53	19.92	23.98
5550	110	0	20.36	0.44	20.81	23.98
		1	20.01	0.81	20.82	23.98
		2	19.78	1.13	20.92	23.98
		3	19.53	1.41	20.94	23.98
		4	19.15	1.88	21.03	23.98
		5	18.56	2.22	20.77	23.98
		6	18.42	2.36	20.78	23.98
		7	18.21	2.53	20.74	23.98
5710	142	0	19.74	0.44	20.18	23.98
		1	19.38	0.81	20.19	23.98
		2	18.89	1.13	20.02	23.98
		3	18.70	1.41	20.11	23.98
		4	18.18	1.88	20.05	23.98
		5	17.89	2.22	20.11	23.98
		6	17.78	2.36	20.14	23.98
		7	17.60	2.53	20.12	23.98

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	19.73	0.44	20.17	30
		1	19.45	0.81	20.27	30
		2	19.22	1.13	20.35	30
		3	18.95	1.41	20.36	30
		4	18.31	1.88	20.19	30
		5	18.00	2.22	20.21	30
		6	17.94	2.36	20.30	30
		7	17.74	2.53	20.26	30
5795	159	0	19.13	0.44	19.57	30
		1	18.70	0.81	19.51	30
		2	18.38	1.13	19.52	30
		3	18.11	1.41	19.52	30
		4	17.73	1.88	19.60	30
		5	17.37	2.22	19.58	30
		6	17.24	2.36	19.59	30
		7	17.07	2.53	19.59	30

Mod : 802.11ac(VHT20)

802.11ac(20MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain (dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5180	36	0	12.01	1.60	0.21	13.82	14.77
		1	11.92	1.60	0.42	13.94	14.77
		2	11.70	1.60	0.61	13.91	14.77
		3	11.35	1.60	0.79	13.73	14.77
		4	11.07	1.60	1.09	13.77	14.77
		5	10.98	1.60	1.34	13.92	14.77
		6	10.72	1.60	1.47	13.79	14.77
		7	10.48	1.60	1.56	13.64	14.77
		8	10.29	1.60	1.79	13.67	14.77
5200	40	0	12.22	1.60	0.21	14.03	14.77
		1	11.99	1.60	0.42	14.02	14.77
		2	11.91	1.60	0.61	14.12	14.77
		3	11.57	1.60	0.79	13.95	14.77
		4	11.30	1.60	1.09	13.99	14.77
		5	11.11	1.60	1.34	14.06	14.77
		6	10.96	1.60	1.47	14.04	14.77
		7	10.87	1.60	1.56	14.03	14.77
		8	10.72	1.60	1.79	14.10	14.77
5240	48	0	11.87	1.60	0.21	13.69	14.77
		1	11.98	1.60	0.42	14.01	14.77
		2	11.77	1.60	0.61	13.98	14.77
		3	11.18	1.60	0.79	13.57	14.77
		4	10.95	1.60	1.09	13.64	14.77
		5	10.81	1.60	1.34	13.75	14.77
		6	10.70	1.60	1.47	13.77	14.77
		7	10.53	1.60	1.56	13.70	14.77
		8	10.39	1.60	1.79	13.77	14.77

802.11ac(20MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain (dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5260	52	0	12.71	1.60	0.21	14.53	14.77
		1	12.45	1.60	0.42	14.47	14.77
		2	12.34	1.60	0.61	14.55	14.77
		3	12.10	1.60	0.79	14.49	14.77
		4	11.60	1.60	1.09	14.29	14.77
		5	11.40	1.60	1.34	14.35	14.77
		6	11.38	1.60	1.47	14.45	14.77
		7	11.24	1.60	1.56	14.40	14.77
		8	11.04	1.60	1.79	14.43	14.77
5300	60	0	12.32	1.60	0.21	14.13	14.77
		1	12.11	1.60	0.42	14.13	14.77
		2	12.03	1.60	0.61	14.23	14.77
		3	11.70	1.60	0.79	14.09	14.77
		4	11.44	1.60	1.09	14.13	14.77
		5	11.08	1.60	1.34	14.02	14.77
		6	10.97	1.60	1.47	14.04	14.77
		7	10.93	1.60	1.56	14.09	14.77
		8	10.73	1.60	1.79	14.12	14.77
5320	64	0	11.95	1.60	0.21	13.77	14.77
		1	11.72	1.60	0.42	13.75	14.77
		2	11.50	1.60	0.61	13.71	14.77
		3	11.06	1.60	0.79	13.45	14.77
		4	10.87	1.60	1.09	13.56	14.77
		5	10.67	1.60	1.34	13.61	14.77
		6	10.54	1.60	1.47	13.61	14.77
		7	10.35	1.60	1.56	13.51	14.77
		8	10.22	1.60	1.79	13.60	14.77

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	0	19.96	0.21	20.17	23.98
		1	21.09	0.42	21.51	23.98
		2	20.94	0.61	21.55	23.98
		3	20.59	0.79	21.37	23.98
		4	20.36	1.09	21.45	23.98
		5	20.14	1.34	21.48	23.98
		6	19.97	1.47	21.44	23.98
		7	20.03	1.56	21.60	23.98
		8	19.74	1.79	21.52	23.98
5580	116	0	20.49	0.21	20.70	23.98
		1	20.13	0.42	20.56	23.98
		2	20.27	0.61	20.87	23.98
		3	19.67	0.79	20.45	23.98
		4	19.38	1.09	20.47	23.98
		5	19.15	1.34	20.49	23.98
		6	19.00	1.47	20.48	23.98
		7	18.96	1.56	20.52	23.98
		8	18.76	1.79	20.54	23.98
5720	144	0	20.78	0.21	20.99	23.98
		1	20.58	0.42	21.00	23.98
		2	20.43	0.61	21.04	23.98
		3	20.04	0.79	20.83	23.98
		4	19.69	1.09	20.78	23.98
		5	19.51	1.34	20.85	23.98
		6	19.32	1.47	20.79	23.98
		7	19.28	1.56	20.84	23.98
		8	19.08	1.79	20.86	23.98

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	20.26	0.21	20.47	30
		1	20.25	0.42	20.67	30
		2	20.09	0.61	20.69	30
		3	19.62	0.79	20.40	30
		4	19.33	1.09	20.42	30
		5	19.30	1.34	20.65	30
		6	18.99	1.47	20.47	30
		7	18.90	1.56	20.47	30
		8	18.79	1.79	20.57	30
5785	157	0	19.84	0.21	20.05	30
		1	19.77	0.42	20.20	30
		2	19.41	0.61	20.02	30
		3	19.09	0.79	19.88	30
		4	18.82	1.09	19.91	30
		5	18.62	1.34	19.97	30
		6	18.53	1.47	20.00	30
		7	18.38	1.56	19.94	30
		8	18.25	1.79	20.03	30
5825	165	0	19.24	0.21	19.45	30
		1	18.92	0.42	19.34	30
		2	18.80	0.61	19.41	30
		3	18.48	0.79	19.27	30
		4	18.23	1.09	19.32	30
		5	18.02	1.34	19.36	30
		6	17.98	1.47	19.45	30
		7	17.75	1.56	19.31	30
		8	17.60	1.79	19.39	30

Mod : 802.11ac(VHT40)

802.11ac(40MHz) Mode		MCS Index	MCS Index	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5190	38	0	11.59	1.60	0.44	13.63	14.77
		1	11.27	1.60	0.80	13.66	14.77
		2	11.00	1.60	1.12	13.73	14.77
		3	10.58	1.60	1.39	13.57	14.77
		4	10.41	1.60	1.84	13.85	14.77
		5	9.93	1.60	2.17	13.70	14.77
		6	9.78	1.60	2.31	13.69	14.77
		7	9.63	1.60	2.47	13.70	14.77
		8	9.42	1.60	2.73	13.75	14.77
		9	9.38	1.60	2.80	13.78	14.77
5230	46	0	11.97	1.60	0.44	14.01	14.77
		1	11.73	1.60	0.80	14.13	14.77
		2	11.45	1.60	1.12	14.17	14.77
		3	11.20	1.60	1.39	14.19	14.77
		4	10.78	1.60	1.84	14.22	14.77
		5	10.32	1.60	2.17	14.09	14.77
		6	10.13	1.60	2.31	14.04	14.77
		7	10.03	1.60	2.47	14.11	14.77
		8	9.77	1.60	2.73	14.10	14.77
		9	9.70	1.60	2.80	14.10	14.77

802.11ac(40MHz) Mode		MCS Index	MCS Index	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5270	54	0	12.05	1.60	0.44	14.08	14.77
		1	11.61	1.60	0.80	14.01	14.77
		2	11.24	1.60	1.12	13.96	14.77
		3	11.01	1.60	1.39	14.00	14.77
		4	10.64	1.60	1.84	14.08	14.77
		5	10.24	1.60	2.17	14.02	14.77
		6	10.12	1.60	2.31	14.03	14.77
		7	9.95	1.60	2.47	14.02	14.77
		8	9.74	1.60	2.73	14.07	14.77
		9	9.64	1.60	2.80	14.04	14.77
5310	62	0	11.61	1.60	0.44	13.65	14.77
		1	11.39	1.60	0.80	13.79	14.77
		2	11.04	1.60	1.12	13.77	14.77
		3	10.84	1.60	1.39	13.83	14.77
		4	10.23	1.60	1.84	13.67	14.77
		5	9.88	1.60	2.17	13.65	14.77
		6	9.77	1.60	2.31	13.68	14.77
		7	9.55	1.60	2.47	13.62	14.77
		8	9.45	1.60	2.73	13.78	14.77
		9	9.37	1.60	2.80	13.76	14.77

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	19.68	0.44	20.12	23.98
		1	19.40	0.80	20.20	23.98
		2	19.07	1.12	20.19	23.98
		3	18.77	1.39	20.16	23.98
		4	18.36	1.84	20.19	23.98
		5	17.94	2.17	20.11	23.98
		6	17.82	2.31	20.13	23.98
		7	17.67	2.47	20.15	23.98
		8	17.45	2.73	20.17	23.98
		9	17.38	2.80	20.18	23.98
5550	110	0	20.62	0.44	21.06	23.98
		1	20.19	0.80	20.99	23.98
		2	19.96	1.12	21.08	23.98
		3	19.73	1.39	21.12	23.98
		4	19.37	1.84	21.21	23.98
		5	19.01	2.17	21.18	23.98
		6	18.73	2.31	21.04	23.98
		7	18.60	2.47	21.07	23.98
		8	18.39	2.73	21.12	23.98
		9	18.33	2.80	21.13	23.98
5710	142	0	19.87	0.44	20.31	23.98
		1	19.42	0.80	20.22	23.98
		2	19.14	1.12	20.26	23.98
		3	18.89	1.39	20.28	23.98
		4	18.54	1.84	20.38	23.98
		5	18.22	2.17	20.40	23.98
		6	18.10	2.31	20.41	23.98
		7	17.95	2.47	20.43	23.98
		8	17.72	2.73	20.45	23.98
		9	17.69	2.80	20.49	23.98

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	20.08	0.44	20.52	30
		1	19.67	0.80	20.47	30
		2	19.46	1.12	20.58	30
		3	19.27	1.39	20.65	30
		4	18.87	1.84	20.70	30
		5	18.51	2.17	20.68	30
		6	18.21	2.31	20.53	30
		7	18.09	2.47	20.56	30
		8	17.82	2.73	20.54	30
		9	17.79	2.80	20.59	30
5795	159	0	19.34	0.44	19.78	30
		1	18.95	0.80	19.75	30
		2	18.76	1.12	19.89	30
		3	18.45	1.39	19.84	30
		4	18.04	1.84	19.88	30
		5	17.74	2.17	19.92	30
		6	17.62	2.31	19.94	30
		7	17.52	2.47	20.00	30
		8	17.22	2.73	19.95	30
		9	17.14	2.80	19.93	30

Mod : 802.11ac(VHT80)

802.11ac(80MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5210	42	0	11.97	1.60	0.86	14.43	14.77
		1	11.46	1.60	1.46	14.52	14.77
		2	11.06	1.60	1.94	14.59	14.77
		3	10.63	1.60	2.26	14.49	14.77
		4	10.01	1.60	2.79	14.40	14.77
		5	9.63	1.60	3.13	14.36	14.77
		6	9.41	1.60	3.33	14.34	14.77
		7	9.35	1.60	3.43	14.38	14.77
		8	9.23	1.60	3.67	14.51	14.77
		9	9.15	1.60	3.83	14.58	14.77

802.11ac(80MHz) Mode		MCS Index	Measured Power(dBm)	Ant Gain(dBi)	Duty Cycle Factor (dB)	E.I.R.P (dBm)	Limit (dBm)
Frequency[MHz]	Channel No.						
5290	58	0	12.18	1.60	0.86	14.64	14.77
		1	10.35	1.60	1.46	13.41	14.77
		2	10.06	1.60	1.94	13.59	14.77
		3	9.74	1.60	2.26	13.61	14.77
		4	9.09	1.60	2.79	13.49	14.77
		5	8.84	1.60	3.13	13.57	14.77
		6	8.51	1.60	3.33	13.44	14.77
		7	8.43	1.60	3.43	13.46	14.77
		8	8.24	1.60	3.67	13.52	14.77
		9	8.23	1.60	3.83	13.66	14.77

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5530	106	0	19.56	0.86	20.42	23.98
		1	18.89	1.46	20.36	23.98
		2	18.42	1.94	20.36	23.98
		3	18.03	2.26	20.29	23.98
		4	17.57	2.79	20.36	23.98
		5	17.24	3.13	20.37	23.98
		6	17.08	3.33	20.41	23.98
		7	16.98	3.43	20.41	23.98
		8	16.75	3.67	20.42	23.98
		9	16.65	3.83	20.48	23.98
5610	122	0	20.04	0.86	20.90	23.98
		1	19.54	1.46	21.00	23.98
		2	19.09	1.94	21.03	23.98
		3	18.71	2.26	20.97	23.98
		4	18.23	2.79	21.03	23.98
		5	17.86	3.13	20.99	23.98
		6	17.71	3.33	21.04	23.98
		7	17.64	3.43	21.07	23.98
		8	17.36	3.67	21.03	23.98
		9	17.21	3.83	21.04	23.98
5690	138	0	19.78	0.86	20.64	23.98
		1	19.26	1.46	20.72	23.98
		2	18.74	1.94	20.67	23.98
		3	18.36	2.26	20.62	23.98
		4	17.95	2.79	20.74	23.98
		5	17.50	3.13	20.63	23.98
		6	17.41	3.33	20.74	23.98
		7	17.28	3.43	20.71	23.98
		8	17.04	3.67	20.71	23.98
		9	16.91	3.83	20.74	23.98

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5775	155	0	19.14	0.86	20.00	30
		1	18.51	1.46	19.97	30
		2	18.03	1.94	19.96	30
		3	17.68	2.26	19.94	30
		4	17.11	2.79	19.90	30
		5	16.82	3.13	19.95	30
		6	16.70	3.33	20.03	30
		7	16.59	3.43	20.02	30
		8	16.33	3.67	20.00	30
		9	16.22	3.83	20.04	30

Internal Ant + External Ant

Mod : 802.11n(HT20)

802.11n(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Ant Gain (dBi)	Measured Power [dBm]			E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				Internal Antenna	External Antenna	Sum		
5180	36	MCS8	0.906	4.300	7.02	2.22	8.27	13.47	14.77
		MCS9	0.835	4.300	6.64	1.62	7.83	12.96	14.77
		MCS10	0.779	4.300	6.46	1.42	7.65	12.73	14.77
		MCS11	0.732	4.300	5.76	0.93	6.99	12.03	14.77
		MCS12	0.663	4.300	5.43	0.57	6.66	11.62	14.77
		MCS13	0.611	4.300	5.09	0.19	6.31	11.22	14.77
		MCS14	0.593	4.300	5.06	0.06	6.25	11.14	14.77
		MCS15	0.574	4.300	4.87	-0.17	6.05	10.92	14.77
5200	40	MCS8	0.906	4.300	6.97	2.04	8.18	13.39	14.77
		MCS9	0.835	4.300	6.62	2.17	7.95	13.09	14.77
		MCS10	0.779	4.300	6.53	1.69	7.76	12.84	14.77
		MCS11	0.732	4.300	5.80	1.29	7.12	12.15	14.77
		MCS12	0.663	4.300	5.53	0.80	6.79	11.75	14.77
		MCS13	0.611	4.300	5.24	0.52	6.50	11.41	14.77
		MCS14	0.593	4.300	5.12	0.34	6.37	11.26	14.77
		MCS15	0.574	4.300	4.96	0.27	6.23	11.10	14.77
5240	48	MCS8	0.906	4.300	7.26	2.88	8.61	13.81	14.77
		MCS9	0.835	4.300	7.03	2.67	8.39	13.52	14.77
		MCS10	0.779	4.300	6.74	2.38	8.09	13.17	14.77
		MCS11	0.732	4.300	6.26	1.89	7.61	12.65	14.77
		MCS12	0.663	4.300	5.68	1.52	7.09	12.05	14.77
		MCS13	0.611	4.300	5.41	1.04	6.77	11.68	14.77
		MCS14	0.593	4.300	5.29	0.91	6.64	11.53	14.77
		MCS15	0.574	4.300	5.19	0.79	6.53	11.41	14.77

802.11n(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Ant Gain (dBi)	Measured Power [dBm]			E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				Internal Antenna	External Antenna	Sum		
5260	52	MCS8	0.906	4.300	7.40	3.94	9.01	14.22	14.77
		MCS9	0.835	4.300	6.94	3.64	8.61	13.74	14.77
		MCS10	0.779	4.300	6.61	3.23	8.25	13.33	14.77
		MCS11	0.732	4.300	6.19	2.72	7.80	12.83	14.77
		MCS12	0.663	4.300	5.77	2.40	7.41	12.38	14.77
		MCS13	0.611	4.300	5.47	2.16	7.14	12.05	14.77
		MCS14	0.593	4.300	5.45	1.94	7.05	11.94	14.77
		MCS15	0.574	4.300	5.07	1.63	6.69	11.57	14.77
5300	60	MCS8	0.906	4.300	7.46	4.44	9.22	14.42	14.77
		MCS9	0.835	4.300	7.06	4.07	8.82	13.96	14.77
		MCS10	0.779	4.300	6.69	3.86	8.51	13.59	14.77
		MCS11	0.732	4.300	6.20	3.43	8.04	13.07	14.77
		MCS12	0.663	4.300	6.13	3.04	7.87	12.83	14.77
		MCS13	0.611	4.300	5.63	2.50	7.35	12.26	14.77
		MCS14	0.593	4.300	5.47	2.40	7.21	12.10	14.77
		MCS15	0.574	4.300	5.37	2.29	7.11	11.99	14.77
5320	64	MCS8	0.906	4.300	7.39	4.59	9.22	14.43	14.77
		MCS9	0.835	4.300	7.15	4.36	8.99	14.12	14.77
		MCS10	0.779	4.300	6.92	4.12	8.75	13.83	14.77
		MCS11	0.732	4.300	6.17	3.63	8.09	13.12	14.77
		MCS12	0.663	4.300	5.85	3.28	7.76	12.73	14.77
		MCS13	0.611	4.300	5.61	2.95	7.49	12.40	14.77
		MCS14	0.593	4.300	5.44	2.76	7.31	12.20	14.77
		MCS15	0.574	4.300	5.33	2.61	7.19	12.06	14.77

802.11n(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5500	100	MCS8	0.428	16.00	17.70	19.94	20.37	23.98
		MCS9	0.781	15.81	17.37	19.67	20.45	23.98
		MCS10	1.084	15.40	17.11	19.35	20.43	23.98
		MCS11	1.352	15.01	16.65	18.92	20.27	23.98
		MCS12	1.784	14.58	16.18	18.46	20.25	23.98
		MCS13	2.137	14.26	15.86	18.14	20.28	23.98
		MCS14	2.270	14.11	15.80	18.05	20.32	23.98
		MCS15	2.412	14.00	15.60	17.88	20.30	23.98
5580	116	MCS8	0.428	16.15	17.91	20.13	20.55	23.98
		MCS9	0.781	15.86	17.59	19.82	20.60	23.98
		MCS10	1.084	15.46	17.23	19.44	20.53	23.98
		MCS11	1.352	15.03	16.72	18.97	20.32	23.98
		MCS12	1.784	14.58	16.43	18.62	20.40	23.98
		MCS13	2.137	14.26	16.12	18.30	20.44	23.98
		MCS14	2.270	14.13	15.99	18.17	20.44	23.98
		MCS15	2.412	13.95	15.73	17.94	20.35	23.98
5720	144	MCS8	0.428	16.33	17.32	19.86	20.29	23.98
		MCS9	0.781	16.25	17.01	19.65	20.44	23.98
		MCS10	1.084	15.81	16.67	19.27	20.36	23.98
		MCS11	1.352	15.39	16.23	18.84	20.20	23.98
		MCS12	1.784	14.90	15.92	18.45	20.24	23.98
		MCS13	2.137	14.64	15.56	18.14	20.27	23.98
		MCS14	2.270	14.56	15.35	17.98	20.25	23.98
		MCS15	2.412	14.28	15.25	17.80	20.21	23.98

802.11n(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5745	149	MCS8	0.428	19.18	19.96	22.60	23.02	30.00
		MCS9	0.781	18.93	19.52	22.25	23.03	30.00
		MCS10	1.084	18.73	19.24	22.01	23.09	30.00
		MCS11	1.352	18.38	18.91	21.66	23.02	30.00
		MCS12	1.784	17.95	18.58	21.29	23.07	30.00
		MCS13	2.137	17.69	18.11	20.92	23.06	30.00
		MCS14	2.270	17.58	18.12	20.87	23.14	30.00
		MCS15	2.412	17.17	17.94	20.58	22.99	30.00
5785	157	MCS8	0.428	19.58	19.38	22.49	22.92	30.00
		MCS9	0.781	18.84	19.11	21.99	22.77	30.00
		MCS10	1.084	18.72	18.77	21.76	22.84	30.00
		MCS11	1.352	18.28	18.36	21.33	22.68	30.00
		MCS12	1.784	17.85	18.02	20.94	22.73	30.00
		MCS13	2.137	17.65	17.71	20.69	22.83	30.00
		MCS14	2.270	17.56	17.58	20.58	22.85	30.00
		MCS15	2.412	17.36	17.46	20.42	22.84	30.00
5825	165	MCS8	0.428	19.14	18.71	21.94	22.37	30.00
		MCS9	0.781	18.73	18.50	21.63	22.41	30.00
		MCS10	1.084	18.55	18.22	21.40	22.49	30.00
		MCS11	1.352	18.20	17.85	21.04	22.39	30.00
		MCS12	1.784	17.86	17.41	20.65	22.43	30.00
		MCS13	2.137	17.50	17.23	20.37	22.51	30.00
		MCS14	2.270	17.26	17.03	20.16	22.43	30.00
		MCS15	2.412	17.22	16.87	20.06	22.47	30.00

Mod : 802.11n(HT40)

802.11n(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Peak. Ant Gain (dBi)	Measured Power [dBm]			E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				Internal Antenna	External Antenna	Sum		
5190	38	MCS8	0.804	4.300	7.09	2.26	8.33	13.43	14.77
		MCS9	1.401	4.300	6.77	1.75	7.95	13.66	14.77
		MCS10	1.838	4.300	6.24	1.37	7.46	13.60	14.77
		MCS11	2.173	4.300	6.11	1.05	7.29	13.76	14.77
		MCS12	2.724	4.300	5.40	0.32	6.57	13.60	14.77
		MCS13	3.030	4.300	5.14	0.02	6.30	13.63	14.77
		MCS14	3.227	4.300	5.03	-0.08	6.19	13.72	14.77
		MCS15	3.319	4.300	4.96	-0.15	6.13	13.75	14.77
5230	46	MCS8	0.804	4.300	7.60	2.78	8.84	13.94	14.77
		MCS9	1.401	4.300	7.11	2.43	8.38	14.08	14.77
		MCS10	1.838	4.300	6.72	1.61	7.88	14.02	14.77
		MCS11	2.173	4.300	6.40	1.42	7.60	14.07	14.77
		MCS12	2.724	4.300	5.56	1.11	6.89	13.92	14.77
		MCS13	3.030	4.300	5.33	0.71	6.62	13.95	14.77
		MCS14	3.227	4.300	5.14	0.57	6.44	13.97	14.77
		MCS15	3.319	4.300	5.09	0.46	6.38	14.00	14.77

802.11n(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Peak. Ant Gain (dBi)	Measured Power [dBm]			E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				Internal Antenna	External Antenna	Sum		
5270	54	MCS8	0.804	4.300	7.22	3.80	8.85	13.95	14.77
		MCS9	1.401	4.300	6.58	3.12	8.20	13.90	14.77
		MCS10	1.838	4.300	6.24	2.77	7.85	13.99	14.77
		MCS11	2.173	4.300	5.96	2.27	7.51	13.98	14.77
		MCS12	2.724	4.300	5.29	1.81	6.90	13.92	14.77
		MCS13	3.030	4.300	4.98	1.56	6.61	13.94	14.77
		MCS14	3.227	4.300	4.89	1.16	6.42	13.95	14.77
		MCS15	3.319	4.300	4.80	1.05	6.33	13.95	14.77
5310	62	MCS8	0.804	4.300	7.41	4.05	9.05	14.16	14.77
		MCS9	1.401	4.300	6.89	3.65	8.57	14.28	14.77
		MCS10	1.838	4.300	6.28	3.25	8.03	14.17	14.77
		MCS11	2.173	4.300	6.13	2.74	7.77	14.24	14.77
		MCS12	2.724	4.300	5.36	2.23	7.08	14.10	14.77
		MCS13	3.030	4.300	5.30	2.01	6.97	14.30	14.77
		MCS14	3.227	4.300	4.87	1.88	6.63	14.16	14.77
		MCS15	3.319	4.300	4.85	1.81	6.60	14.22	14.77

802.11n(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5510	102	MCS8	0.804	14.97	17.42	19.37	20.18	23.98
		MCS9	1.401	14.25	16.88	18.77	20.17	23.98
		MCS10	1.838	13.91	16.40	18.34	20.18	23.98
		MCS11	2.173	13.56	16.12	18.04	20.21	23.98
		MCS12	2.724	13.03	15.57	17.49	20.22	23.98
		MCS13	3.030	12.71	15.26	17.18	20.21	23.98
		MCS14	3.227	12.53	15.13	17.03	20.26	23.98
		MCS15	3.319	12.45	15.02	16.93	20.25	23.98
5550	110	MCS8	0.804	14.92	17.31	19.29	20.09	23.98
		MCS9	1.401	14.40	16.82	18.78	20.19	23.98
		MCS10	1.838	13.84	16.34	18.28	20.12	23.98
		MCS11	2.173	13.49	16.17	18.04	20.22	23.98
		MCS12	2.724	13.03	15.56	17.48	20.21	23.98
		MCS13	3.030	12.75	15.33	17.24	20.27	23.98
		MCS14	3.227	12.53	15.10	17.02	20.24	23.98
		MCS15	3.319	12.37	14.96	16.87	20.19	23.98
5710	142	MCS8	0.804	15.34	16.66	19.06	19.86	23.98
		MCS9	1.401	14.81	16.20	18.57	19.97	23.98
		MCS10	1.838	14.31	15.67	18.05	19.89	23.98
		MCS11	2.173	14.04	15.36	17.76	19.93	23.98
		MCS12	2.724	13.36	14.91	17.22	19.94	23.98
		MCS13	3.030	13.16	14.48	16.88	19.91	23.98
		MCS14	3.227	13.00	14.47	16.81	20.03	23.98
		MCS15	3.319	12.91	14.28	16.66	19.98	23.98

802.11n(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5755	151	MCS8	0.804	18.17	19.85	22.10	22.91	30.00
		MCS9	1.401	17.66	19.42	21.64	23.04	30.00
		MCS10	1.838	17.17	19.09	21.24	23.08	30.00
		MCS11	2.173	16.88	18.49	20.77	22.94	30.00
		MCS12	2.724	16.37	17.99	20.27	22.99	30.00
		MCS13	3.030	16.13	17.79	20.05	23.08	30.00
		MCS14	3.227	15.92	17.51	19.80	23.02	30.00
		MCS15	3.319	15.83	17.46	19.73	23.05	30.00
5795	159	MCS8	0.804	18.10	19.07	21.62	22.43	30.00
		MCS9	1.401	17.38	18.61	21.05	22.45	30.00
		MCS10	1.838	17.14	18.15	20.68	22.52	30.00
		MCS11	2.173	16.80	17.91	20.40	22.58	30.00
		MCS12	2.724	16.16	17.29	19.77	22.49	30.00
		MCS13	3.030	15.89	17.05	19.52	22.55	30.00
		MCS14	3.227	15.62	16.97	19.36	22.58	30.00
		MCS15	3.319	15.46	16.89	19.24	22.56	30.00

Mod : 802.11ac(VHT20)

802.11ac(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Peak. Ant Gain (dBi)	Measured Power [dBm]			E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				Internal Antenna	External Antenna	Sum		
5180	36	MCS9	0.422	4.300	6.95	2.21	8.21	12.93	14.77
		MCS10	0.770	4.300	6.47	2.18	7.85	12.92	14.77
		MCS11	1.071	4.300	6.10	1.93	7.51	12.88	14.77
		MCS12	1.317	4.300	6.01	1.08	7.22	12.84	14.77
		MCS13	1.748	4.300	5.47	0.81	6.75	12.80	14.77
		MCS14	2.088	4.300	5.10	0.54	6.40	12.79	14.77
		MCS15	2.222	4.300	5.03	0.48	6.34	12.86	14.77
		MCS16	2.367	4.300	4.93	0.39	6.24	12.90	14.77
		MCS17	2.596	4.300	4.66	-0.01	5.94	12.83	14.77
5200	40	MCS9	0.422	4.300	6.94	2.45	8.26	12.98	14.77
		MCS10	0.770	4.300	6.79	2.13	8.06	13.13	14.77
		MCS11	1.071	4.300	6.34	1.73	7.63	13.01	14.77
		MCS12	1.317	4.300	6.17	1.60	7.47	13.09	14.77
		MCS13	1.748	4.300	5.62	0.99	6.90	12.95	14.77
		MCS14	2.088	4.300	5.28	0.73	6.58	12.97	14.77
		MCS15	2.222	4.300	5.17	0.60	6.47	12.99	14.77
		MCS16	2.367	4.300	5.05	0.52	6.36	13.02	14.77
		MCS17	2.596	4.300	4.87	0.08	6.11	13.01	14.77
5240	48	MCS9	0.422	4.300	7.25	3.17	8.69	13.41	14.77
		MCS10	0.770	4.300	6.99	2.71	8.37	13.44	14.77
		MCS11	1.071	4.300	6.76	2.60	8.17	13.54	14.77
		MCS12	1.317	4.300	6.36	1.89	7.68	13.30	14.77
		MCS13	1.748	4.300	6.03	1.56	7.36	13.41	14.77
		MCS14	2.088	4.300	5.55	1.06	6.87	13.26	14.77
		MCS15	2.222	4.300	5.35	1.25	6.78	13.30	14.77
		MCS16	2.367	4.300	5.23	1.14	6.66	13.33	14.77
		MCS17	2.596	4.300	5.03	0.90	6.45	13.35	14.77

802.11ac(20MHz) Mode		Rate	Duty Cycle	Peak. Ant	Measured Power [dBm]			E.I.R.P	Limit
Frequency [MHz]	Channel No.	(Mbps)	Factor (dB)	Gain (dBi)	Internal Antenna	External Antenna	Sum	(dBm)	(dBm)
5260	52	MCS9	0.422	4.300	7.12	4.02	8.85	13.57	14.77
		MCS10	0.770	4.300	7.08	3.79	8.75	13.82	14.77
		MCS11	1.071	4.300	6.58	3.22	8.23	13.60	14.77
		MCS12	1.317	4.300	6.38	2.81	7.96	13.57	14.77
		MCS13	1.748	4.300	5.74	2.42	7.40	13.45	14.77
		MCS14	2.088	4.300	5.67	2.17	7.27	13.66	14.77
		MCS15	2.222	4.300	5.58	2.08	7.18	13.70	14.77
		MCS16	2.367	4.300	5.40	1.97	7.03	13.69	14.77
		MCS17	2.596	4.300	5.15	1.73	6.78	13.68	14.77
5300	60	MCS9	0.422	4.300	7.50	4.61	9.30	14.02	14.77
		MCS10	0.770	4.300	6.91	4.12	8.74	13.81	14.77
		MCS11	1.071	4.300	6.71	3.87	8.53	13.90	14.77
		MCS12	1.317	4.300	6.25	3.44	8.08	13.69	14.77
		MCS13	1.748	4.300	5.86	2.92	7.65	13.70	14.77
		MCS14	2.088	4.300	5.42	2.70	7.28	13.67	14.77
		MCS15	2.222	4.300	5.60	2.45	7.31	13.83	14.77
		MCS16	2.367	4.300	5.38	2.33	7.13	13.80	14.77
		MCS17	2.596	4.300	5.18	2.13	6.93	13.83	14.77
5320	64	MCS9	0.422	4.300	7.37	4.63	9.22	13.94	14.77
		MCS10	0.770	4.300	7.13	4.32	8.96	14.03	14.77
		MCS11	1.071	4.300	6.86	4.04	8.69	14.06	14.77
		MCS12	1.317	4.300	6.33	3.72	8.22	13.84	14.77
		MCS13	1.748	4.300	5.99	3.37	7.88	13.93	14.77
		MCS14	2.088	4.300	5.79	3.04	7.64	14.03	14.77
		MCS15	2.222	4.300	5.42	2.86	7.33	13.86	14.77
		MCS16	2.367	4.300	5.53	2.71	7.36	14.02	14.77
		MCS17	2.596	4.300	5.15	2.45	7.02	13.91	14.77

802.11ac(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5500	100	MCS9	0.422	15.86	17.91	20.01	20.44	23.98
		MCS10	0.770	15.64	17.68	19.79	20.56	23.98
		MCS11	1.071	15.33	17.32	19.45	20.52	23.98
		MCS12	1.317	14.85	16.88	18.99	20.31	23.98
		MCS13	1.748	14.44	16.51	18.61	20.36	23.98
		MCS14	2.088	14.08	16.20	18.28	20.37	23.98
		MCS15	2.222	14.03	16.01	18.14	20.37	23.98
		MCS16	2.367	13.83	15.90	18.00	20.36	23.98
		MCS17	2.596	13.69	15.73	17.84	20.43	23.98
5580	116	MCS9	0.422	16.13	18.14	20.26	20.68	23.98
		MCS10	0.770	15.68	17.78	19.87	20.64	23.98
		MCS11	1.071	15.43	17.53	19.62	20.69	23.98
		MCS12	1.317	15.00	17.10	19.19	20.51	23.98
		MCS13	1.748	14.52	16.70	18.75	20.50	23.98
		MCS14	2.088	14.29	16.35	18.45	20.54	23.98
		MCS15	2.222	14.12	16.24	18.32	20.54	23.98
		MCS16	2.367	14.04	16.05	18.17	20.54	23.98
		MCS17	2.596	13.69	15.88	17.93	20.53	23.98
5720	144	MCS9	0.422	16.31	17.56	19.99	20.41	23.98
		MCS10	0.770	16.06	17.24	19.70	20.47	23.98
		MCS11	1.071	15.58	16.92	19.31	20.38	23.98
		MCS12	1.317	15.76	16.44	19.13	20.44	23.98
		MCS13	1.748	14.96	16.07	18.56	20.31	23.98
		MCS14	2.088	14.53	15.79	18.22	20.31	23.98
		MCS15	2.222	14.33	15.61	18.02	20.25	23.98
		MCS16	2.367	14.23	15.56	17.96	20.32	23.98
		MCS17	2.596	14.00	15.40	17.76	20.36	23.98

802.11ac(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5745	149	MCS9	0.422	19.07	20.06	22.61	23.03	30.00
		MCS10	0.770	18.73	19.84	22.33	23.10	30.00
		MCS11	1.071	18.55	19.58	22.11	23.18	30.00
		MCS12	1.317	18.18	19.13	21.69	23.00	30.00
		MCS13	1.748	17.68	18.84	21.31	23.06	30.00
		MCS14	2.088	17.37	18.54	21.00	23.09	30.00
		MCS15	2.222	17.21	18.32	20.81	23.03	30.00
		MCS16	2.367	17.14	18.20	20.71	23.08	30.00
		MCS17	2.596	16.99	18.00	20.53	23.13	30.00
5785	157	MCS9	0.422	18.96	19.63	22.32	22.74	30.00
		MCS10	0.770	18.75	19.14	21.96	22.73	30.00
		MCS11	1.071	18.37	18.89	21.65	22.72	30.00
		MCS12	1.317	17.96	18.57	21.29	22.60	30.00
		MCS13	1.748	17.72	18.18	20.97	22.72	30.00
		MCS14	2.088	17.19	17.83	20.53	22.62	30.00
		MCS15	2.222	17.22	17.70	20.48	22.70	30.00
		MCS16	2.367	17.09	17.63	20.38	22.74	30.00
		MCS17	2.596	16.92	17.40	20.18	22.77	30.00
5825	165	MCS9	0.422	18.90	18.99	21.95	22.38	30.00
		MCS10	0.770	18.66	18.42	21.55	22.32	30.00
		MCS11	1.071	18.46	18.33	21.40	22.48	30.00
		MCS12	1.317	18.05	17.91	20.99	22.31	30.00
		MCS13	1.748	17.70	17.53	20.62	22.37	30.00
		MCS14	2.088	17.45	17.29	20.38	22.47	30.00
		MCS15	2.222	17.27	17.17	20.23	22.45	30.00
		MCS16	2.367	17.20	16.93	20.07	22.44	30.00
		MCS17	2.596	17.01	16.77	19.90	22.50	30.00

Mod : 802.11ac(VHT40)

802.11ac(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Peak. Ant Gain (dBi)	Measured Power [dBm]			E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				Internal Antenna	External Antenna	Sum		
5190	38	MCS10	0.797	4.300	7.40	2.18	8.54	13.64	14.77
		MCS11	1.385	4.300	6.88	2.02	8.10	13.79	14.77
		MCS12	1.804	4.300	6.22	1.34	7.44	13.55	14.77
		MCS13	2.130	4.300	5.96	1.08	7.18	13.61	14.77
		MCS14	2.663	4.300	5.50	0.52	6.70	13.66	14.77
		MCS15	2.944	4.300	5.21	0.31	6.43	13.67	14.77
		MCS16	3.110	4.300	5.06	0.18	6.28	13.69	14.77
		MCS17	3.227	4.300	4.93	0.12	6.17	13.70	14.77
		MCS18	3.441	4.300	4.79	-0.12	6.01	13.75	14.77
		MCS19	3.535	4.300	4.70	-0.20	5.92	13.75	14.77
5230	46	MCS10	0.797	4.300	7.38	2.66	8.64	13.74	14.77
		MCS11	1.385	4.300	7.08	2.42	8.36	14.04	14.77
		MCS12	1.804	4.300	6.40	1.87	7.71	13.82	14.77
		MCS13	2.130	4.300	6.06	1.60	7.39	13.82	14.77
		MCS14	2.663	4.300	5.54	1.07	6.87	13.83	14.77
		MCS15	2.944	4.300	5.55	0.81	6.81	14.05	14.77
		MCS16	3.110	4.300	5.15	0.66	6.47	13.88	14.77
		MCS17	3.227	4.300	5.11	0.58	6.42	13.95	14.77
		MCS18	3.441	4.300	4.88	0.24	6.17	13.91	14.77
		MCS19	3.535	4.300	4.78	0.10	6.05	13.89	14.77

802.11ac(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Peak. Ant Gain (dBi)	Measured Power [dBm]			E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				Internal Antenna	External Antenna	Sum		
5270	54	MCS10	0.797	4.300	7.26	3.57	8.81	13.90	14.77
		MCS11	1.385	4.300	6.62	3.11	8.22	13.91	14.77
		MCS12	1.804	4.300	6.29	2.75	7.88	13.99	14.77
		MCS13	2.130	4.300	5.93	2.28	7.49	13.92	14.77
		MCS14	2.663	4.300	5.40	1.79	6.97	13.93	14.77
		MCS15	2.944	4.300	4.97	1.58	6.61	13.85	14.77
		MCS16	3.110	4.300	4.92	1.24	6.47	13.88	14.77
		MCS17	3.227	4.300	4.58	1.40	6.29	13.81	14.77
		MCS18	3.441	4.300	4.55	1.19	6.20	13.94	14.77
		MCS19	3.535	4.300	4.47	0.82	6.03	13.86	14.77
5310	62	MCS10	0.797	4.300	7.08	4.20	8.88	13.98	14.77
		MCS11	1.385	4.300	6.73	3.69	8.48	14.17	14.77
		MCS12	1.804	4.300	6.34	3.13	8.03	14.14	14.77
		MCS13	2.130	4.300	6.07	2.81	7.75	14.18	14.77
		MCS14	2.663	4.300	5.41	2.36	7.16	14.12	14.77
		MCS15	2.944	4.300	5.29	2.07	6.98	14.23	14.77
		MCS16	3.110	4.300	5.00	1.94	6.75	14.16	14.77
		MCS17	3.227	4.300	4.96	1.92	6.71	14.24	14.77
		MCS18	3.441	4.300	4.72	1.75	6.49	14.23	14.77
		MCS19	3.535	4.300	4.47	1.20	6.15	13.98	14.77

802.11ac(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5510	102	MCS10	0.797	14.71	17.41	19.28	20.08	23.98
		MCS11	1.385	14.39	16.84	18.80	20.18	23.98
		MCS12	1.804	14.00	16.42	18.38	20.19	23.98
		MCS13	2.130	13.56	16.07	18.00	20.13	23.98
		MCS14	2.663	13.15	15.55	17.53	20.19	23.98
		MCS15	2.944	12.82	15.21	17.19	20.14	23.98
		MCS16	3.110	12.71	15.17	17.12	20.23	23.98
		MCS17	3.227	12.42	15.19	17.03	20.26	23.98
		MCS18	3.441	12.31	14.85	16.77	20.21	23.98
		MCS19	3.535	12.08	14.76	16.63	20.17	23.98
5550	110	MCS10	0.797	14.94	17.51	19.42	20.22	23.98
		MCS11	1.385	14.49	17.05	18.97	20.35	23.98
		MCS12	1.804	13.88	16.64	18.49	20.29	23.98
		MCS13	2.130	13.64	16.34	18.21	20.34	23.98
		MCS14	2.663	12.95	15.86	17.66	20.32	23.98
		MCS15	2.944	12.90	15.45	17.37	20.32	23.98
		MCS16	3.110	12.60	15.34	17.19	20.30	23.98
		MCS17	3.227	12.68	15.31	17.20	20.43	23.98
		MCS18	3.441	12.31	15.04	16.90	20.34	23.98
		MCS19	3.535	12.20	14.97	16.81	20.35	23.98
5710	142	MCS10	0.797	15.35	16.80	19.15	19.95	23.98
		MCS11	1.385	14.92	16.23	18.63	20.02	23.98
		MCS12	1.804	14.56	15.91	18.30	20.10	23.98
		MCS13	2.130	13.97	15.57	17.85	19.98	23.98
		MCS14	2.663	13.52	14.99	17.33	19.99	23.98
		MCS15	2.944	13.26	14.77	17.09	20.03	23.98
		MCS16	3.110	13.12	14.64	16.96	20.07	23.98
		MCS17	3.227	13.08	14.42	16.81	20.04	23.98
		MCS18	3.441	12.85	14.21	16.59	20.03	23.98
		MCS19	3.535	12.76	14.12	16.50	20.04	23.98

802.11ac(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5755	151	MCS10	0.797	18.14	20.12	22.25	23.05	30.00
		MCS11	1.385	17.69	19.58	21.75	23.13	30.00
		MCS12	1.804	17.33	19.03	21.27	23.08	30.00
		MCS13	2.130	17.05	18.72	20.97	23.10	30.00
		MCS14	2.663	16.56	18.29	20.52	23.18	30.00
		MCS15	2.944	16.29	17.90	20.18	23.12	30.00
		MCS16	3.110	15.97	17.60	19.87	22.98	30.00
		MCS17	3.227	15.88	17.59	19.83	23.06	30.00
		MCS18	3.441	15.63	17.41	19.62	23.06	30.00
		MCS19	3.535	15.55	17.20	19.46	23.00	30.00
5795	159	MCS10	0.797	18.07	19.25	21.71	22.51	30.00
		MCS11	1.385	17.66	18.59	21.16	22.55	30.00
		MCS12	1.804	17.10	18.16	20.67	22.47	30.00
		MCS13	2.130	16.82	17.95	20.43	22.56	30.00
		MCS14	2.663	16.23	17.44	19.89	22.55	30.00
		MCS15	2.944	15.98	16.99	19.52	22.47	30.00
		MCS16	3.110	15.84	16.82	19.37	22.48	30.00
		MCS17	3.227	15.73	16.76	19.29	22.51	30.00
		MCS18	3.441	15.50	16.61	19.10	22.54	30.00
		MCS19	3.535	15.38	16.45	18.96	22.49	30.00

Mod : 802.11ac(VHT80)

802.11ac(80MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Peak. Ant Gain (dBi)	Measured Power [dBm]			E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				Internal Antenna	External Antenna	Sum		
5210	42	MCS10	1.447	4.300	6.85	2.13	8.11	13.86	14.77
		MCS11	2.224	4.300	6.18	1.33	7.41	13.93	14.77
		MCS12	2.720	4.300	5.69	0.89	6.93	13.95	14.77
		MCS13	3.054	4.300	5.26	0.59	6.54	13.89	14.77
		MCS14	3.546	4.300	4.76	0.13	6.05	13.89	14.77
		MCS15	3.782	4.300	4.58	-0.15	5.84	13.92	14.77
		MCS16	3.890	4.300	4.39	-0.21	5.68	13.87	14.77
		MCS17	3.992	4.300	4.50	-0.27	5.75	14.04	14.77
		MCS18	4.113	4.300	4.35	-0.46	5.59	14.01	14.77
		MCS19	4.360	4.300	4.16	-0.73	5.38	14.04	14.77

802.11ac(80MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Peak. Ant Gain (dBi)	Measured Power [dBm]			E.I.R.P (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.				Internal Antenna	External Antenna	Sum		
5290	58	MCS10	1.447	4.300	6.62	3.31	8.28	14.03	14.77
		MCS11	2.224	4.300	5.87	2.40	7.48	14.01	14.77
		MCS12	2.720	4.300	5.27	1.87	6.91	13.93	14.77
		MCS13	3.054	4.300	5.05	1.63	6.68	14.03	14.77
		MCS14	3.546	4.300	4.55	1.03	6.14	13.99	14.77
		MCS15	3.782	4.300	4.26	0.90	5.91	13.99	14.77
		MCS16	3.890	4.300	4.06	0.73	5.72	13.91	14.77
		MCS17	3.992	4.300	4.10	0.65	5.72	14.01	14.77
		MCS18	4.113	4.300	3.93	0.54	5.57	13.98	14.77
		MCS19	4.360	4.300	3.81	0.35	5.42	14.08	14.77

802.11ac(80MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5530	106	MCS10	1.447	14.50	16.68	18.74	20.18	23.98
		MCS11	2.224	13.71	15.96	17.99	20.22	23.98
		MCS12	2.720	13.35	15.35	17.47	20.19	23.98
		MCS13	3.054	13.00	15.08	17.17	20.23	23.98
		MCS14	3.546	12.45	14.52	16.62	20.16	23.98
		MCS15	3.782	12.23	14.33	16.41	20.19	23.98
		MCS16	3.890	11.94	14.15	16.19	20.08	23.98
		MCS17	3.992	12.01	14.22	16.26	20.26	23.98
		MCS18	4.113	11.63	14.09	16.04	20.16	23.98
		MCS19	4.360	11.58	13.81	15.85	20.21	23.98
5610	122	MCS10	1.447	14.63	16.60	18.74	20.18	23.98
		MCS11	2.224	13.84	15.82	17.95	20.17	23.98
		MCS12	2.720	13.21	15.30	17.39	20.11	23.98
		MCS13	3.054	12.99	14.99	17.11	20.16	23.98
		MCS14	3.546	12.44	14.51	16.61	20.15	23.98
		MCS15	3.782	12.29	14.33	16.44	20.22	23.98
		MCS16	3.890	12.15	14.10	16.24	20.13	23.98
		MCS17	3.992	12.14	14.08	16.22	20.22	23.98
		MCS18	4.113	11.96	13.91	16.06	20.17	23.98
		MCS19	4.360	11.86	13.86	15.98	20.34	23.98
5690	138	MCS10	1.447	14.80	16.19	18.56	20.01	23.98
		MCS11	2.224	14.12	15.45	17.84	20.07	23.98
		MCS12	2.720	13.68	14.92	17.35	20.07	23.98
		MCS13	3.054	13.27	14.53	16.96	20.01	23.98
		MCS14	3.546	12.81	14.14	16.53	20.08	23.98
		MCS15	3.782	12.56	13.92	16.30	20.08	23.98
		MCS16	3.890	12.31	13.77	16.11	20.00	23.98
		MCS17	3.992	12.31	13.74	16.10	20.09	23.98
		MCS18	4.113	12.08	13.52	15.87	19.99	23.98
		MCS19	4.360	11.97	13.37	15.74	20.10	23.98

802.11ac(80MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5775	155	MCS10	1.447	17.44	18.52	21.02	22.47	30.00
		MCS11	2.224	16.75	17.80	20.31	22.54	30.00
		MCS12	2.720	16.18	17.42	19.85	22.57	30.00
		MCS13	3.054	15.96	17.02	19.53	22.59	30.00
		MCS14	3.546	15.39	16.54	19.01	22.56	30.00
		MCS15	3.782	15.18	16.37	18.82	22.61	30.00
		MCS16	3.890	15.05	16.13	18.63	22.52	30.00
		MCS17	3.992	15.04	16.19	18.67	22.66	30.00
		MCS18	4.113	14.92	15.98	18.49	22.61	30.00
		MCS19	4.360	14.78	15.87	18.37	22.73	30.00

10.4.2 TEST RESULTS(FCC)

Internal Ant

Mod : 802.11a

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5180	36	6 Mbps	9.69	0.21	9.90	23.98
		9 Mbps	9.49	0.31	9.80	23.98
		12 Mbps	9.44	0.40	9.84	23.98
		18 Mbps	8.99	0.59	9.58	23.98
		24 Mbps	8.8	0.75	9.55	23.98
		36 Mbps	8.44	1.06	9.50	23.98
		48 Mbps	8.23	1.37	9.60	23.98
		54 Mbps	8.12	1.49	9.61	23.98
5200	40	6 Mbps	9.78	0.21	9.99	23.98
		9 Mbps	9.66	0.31	9.97	23.98
		12 Mbps	9.54	0.40	9.94	23.98
		18 Mbps	8.81	0.59	9.40	23.98
		24 Mbps	8.84	0.75	9.59	23.98
		36 Mbps	8.56	1.06	9.62	23.98
		48 Mbps	8.46	1.37	9.83	23.98
		54 Mbps	8.06	1.49	9.55	23.98
5240	48	6 Mbps	9.6	0.21	9.81	23.98
		9 Mbps	9.91	0.31	10.22	23.98
		12 Mbps	9.76	0.40	10.16	23.98
		18 Mbps	9.34	0.59	9.93	23.98
		24 Mbps	9.17	0.75	9.92	23.98
		36 Mbps	8.8	1.06	9.86	23.98
		48 Mbps	8.66	1.37	10.03	23.98
		54 Mbps	8.45	1.49	9.94	23.98

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5260	52	6 Mbps	9.71	0.21	9.92	23.98
		9 Mbps	9.53	0.31	9.84	23.98
		12 Mbps	9.54	0.40	9.94	23.98
		18 Mbps	9.02	0.59	9.61	23.98
		24 Mbps	8.97	0.75	9.72	23.98
		36 Mbps	8.61	1.06	9.67	23.98
		48 Mbps	8.30	1.37	9.67	23.98
		54 Mbps	8.10	1.49	9.59	23.98
5300	60	6 Mbps	9.73	0.21	9.94	23.98
		9 Mbps	9.66	0.31	9.97	23.98
		12 Mbps	9.70	0.40	10.10	23.98
		18 Mbps	9.20	0.59	9.79	23.98
		24 Mbps	9.00	0.75	9.75	23.98
		36 Mbps	8.70	1.06	9.76	23.98
		48 Mbps	8.36	1.37	9.73	23.98
		54 Mbps	8.39	1.49	9.88	23.98
5320	64	6 Mbps	9.87	0.21	10.08	23.98
		9 Mbps	9.75	0.31	10.06	23.98
		12 Mbps	9.80	0.40	10.20	23.98
		18 Mbps	9.15	0.59	9.74	23.98
		24 Mbps	9.04	0.75	9.79	23.98
		36 Mbps	8.68	1.06	9.74	23.98
		48 Mbps	8.48	1.37	9.85	23.98
		54 Mbps	8.30	1.49	9.79	23.98

802.11a Mode		Rate (Mbps)	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	6	18.25	0.21	18.46	23.98
		9	18.20	0.31	18.51	23.98
		12	18.15	0.40	18.55	23.98
		18	17.80	0.59	18.39	23.98
		24	17.62	0.75	18.37	23.98
		36	17.34	1.06	18.40	23.98
		48	17.06	1.37	18.42	23.98
		54	16.95	1.49	18.43	23.98
5580	116	6	19.77	0.21	19.98	23.98
		9	19.73	0.31	20.04	23.98
		12	19.80	0.40	20.20	23.98
		18	19.28	0.59	19.87	23.98
		24	19.11	0.75	19.87	23.98
		36	18.81	1.06	19.87	23.98
		48	18.57	1.37	19.94	23.98
		54	18.42	1.49	19.91	23.98
5720	144	6	19.90	0.21	20.11	23.98
		9	19.83	0.31	20.14	23.98
		12	19.88	0.40	20.28	23.98
		18	19.50	0.59	20.09	23.98
		24	19.29	0.75	20.04	23.98
		36	18.95	1.06	20.01	23.98
		48	18.78	1.37	20.14	23.98
		54	18.56	1.49	20.04	23.98

802.11a Mode		Rate (Mbps)	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	6	19.75	0.21	19.96	30
		9	19.69	0.31	20.00	30
		12	19.72	0.40	20.12	30
		18	19.14	0.59	19.73	30
		24	19.06	0.75	19.82	30
		36	18.77	1.06	19.83	30
		48	18.64	1.37	20.01	30
		54	18.28	1.49	19.77	30
5785	157	6	19.90	0.21	20.11	30
		9	19.62	0.31	19.93	30
		12	19.66	0.40	20.06	30
		18	19.27	0.59	19.86	30
		24	19.04	0.75	19.79	30
		36	18.74	1.06	19.80	30
		48	18.59	1.37	19.95	30
		54	18.38	1.49	19.87	30
5825	165	6	19.87	0.21	20.08	30
		9	19.78	0.31	20.09	30
		12	19.71	0.40	20.11	30
		18	19.33	0.59	19.91	30
		24	19.15	0.75	19.90	30
		36	18.75	1.06	19.81	30
		48	18.59	1.37	19.95	30
		54	18.34	1.49	19.83	30

Mod : 802.11n(HT20)

802.11n(20MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5180	36	0	9.46	0.22	9.68	23.98
		1	9.33	0.43	9.76	23.98
		2	9.11	0.62	9.73	23.98
		3	8.81	0.79	9.60	23.98
		4	8.44	1.10	9.54	23.98
		5	7.98	1.38	9.36	23.98
		6	8.16	1.49	9.65	23.98
		7	7.72	1.60	9.32	23.98
5200	40	0	9.55	0.22	9.77	23.98
		1	9.44	0.43	9.87	23.98
		2	9.22	0.62	9.84	23.98
		3	8.85	0.79	9.64	23.98
		4	8.52	1.10	9.62	23.98
		5	8.22	1.38	9.60	23.98
		6	8.08	1.49	9.57	23.98
		7	7.93	1.60	9.53	23.98
5240	48	0	9.74	0.22	9.96	23.98
		1	9.61	0.43	10.04	23.98
		2	9.43	0.62	10.05	23.98
		3	9.05	0.79	9.84	23.98
		4	8.80	1.10	9.90	23.98
		5	8.44	1.38	9.82	23.98
		6	8.41	1.49	9.90	23.98
		7	8.20	1.60	9.80	23.98

802.11n(20MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5260	52	0	9.60	0.22	9.82	23.98
		1	9.52	0.43	9.95	23.98
		2	9.21	0.62	9.83	23.98
		3	8.84	0.79	9.63	23.98
		4	8.54	1.10	9.64	23.98
		5	8.31	1.38	9.69	23.98
		6	8.19	1.49	9.68	23.98
		7	8.12	1.60	9.72	23.98
5300	60	0	9.50	0.22	9.72	23.98
		1	9.51	0.43	9.94	23.98
		2	9.28	0.62	9.90	23.98
		3	8.89	0.79	9.68	23.98
		4	8.60	1.10	9.70	23.98
		5	8.24	1.38	9.62	23.98
		6	8.28	1.49	9.77	23.98
		7	8.00	1.60	9.60	23.98
5320	64	0	9.54	0.22	9.76	23.98
		1	9.46	0.43	9.89	23.98
		2	9.33	0.62	9.95	23.98
		3	8.79	0.79	9.58	23.98
		4	8.52	1.10	9.62	23.98
		5	8.32	1.38	9.70	23.98
		6	8.18	1.49	9.67	23.98
		7	8.08	1.60	9.68	23.98

802.11n_HT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	0	18.17	0.22	18.40	23.98
		1	17.99	0.43	18.41	23.98
		2	17.86	0.62	18.48	23.98
		3	17.55	0.79	18.34	23.98
		4	17.25	1.10	18.36	23.98
		5	16.96	1.38	18.34	23.98
		6	16.84	1.49	18.33	23.98
		7	16.80	1.60	18.40	23.98
5580	116	0	19.76	0.22	19.98	23.98
		1	19.56	0.43	19.98	23.98
		2	19.35	0.62	19.97	23.98
		3	19.06	0.79	19.85	23.98
		4	18.78	1.10	19.88	23.98
		5	18.55	1.38	19.93	23.98
		6	18.54	1.49	20.03	23.98
		7	18.38	1.60	19.98	23.98
5720	144	0	19.83	0.22	20.05	23.98
		1	19.66	0.43	20.08	23.98
		2	19.53	0.62	20.15	23.98
		3	19.18	0.79	19.97	23.98
		4	18.86	1.10	19.97	23.98
		5	18.54	1.38	19.93	23.98
		6	18.54	1.49	20.03	23.98
		7	18.36	1.60	19.96	23.98

802.11n_HT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	19.51	0.22	19.73	30
		1	19.41	0.43	19.83	30
		2	19.17	0.62	19.79	30
		3	18.91	0.79	19.70	30
		4	18.57	1.10	19.68	30
		5	18.30	1.38	19.68	30
		6	18.31	1.49	19.80	30
		7	18.23	1.60	19.83	30
5785	157	0	19.72	0.22	19.94	30
		1	19.51	0.43	19.94	30
		2	19.35	0.62	19.97	30
		3	19.08	0.79	19.87	30
		4	18.77	1.10	19.87	30
		5	18.58	1.38	19.97	30
		6	18.45	1.49	19.94	30
		7	18.36	1.60	19.96	30
5825	165	0	19.75	0.22	19.97	30
		1	19.50	0.43	19.93	30
		2	19.43	0.62	20.05	30
		3	19.05	0.79	19.83	30
		4	18.76	1.10	19.86	30
		5	18.54	1.38	19.92	30
		6	18.58	1.49	20.07	30
		7	18.34	1.60	19.93	30

Mod : 802.11n(HT40)

802.11n(40MHz) Mode		Rate (Mbps)	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5190	38	0	8.81	0.45	9.26	23.98
		1	8.28	0.81	9.09	23.98
		2	7.92	1.13	9.05	23.98
		3	7.80	1.41	9.21	23.98
		4	7.24	1.88	9.12	23.98
		5	6.93	2.23	9.16	23.98
		6	7.04	2.36	9.40	23.98
		7	6.83	2.53	9.36	23.98
5230	46	0	9.10	0.45	9.55	23.98
		1	8.68	0.81	9.49	23.98
		2	8.42	1.13	9.55	23.98
		3	8.17	1.41	9.58	23.98
		4	7.65	1.88	9.53	23.98
		5	7.34	2.23	9.57	23.98
		6	7.24	2.36	9.60	23.98
		7	7.00	2.53	9.53	23.98

802.11n(40MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5270	54	0	8.77	0.45	9.22	23.98
		1	8.48	0.81	9.29	23.98
		2	8.31	1.13	9.44	23.98
		3	8.02	1.41	9.43	23.98
		4	7.36	1.88	9.24	23.98
		5	7.15	2.23	9.38	23.98
		6	6.97	2.36	9.33	23.98
		7	6.85	2.53	9.38	23.98
5310	62	0	8.82	0.45	9.27	23.98
		1	8.63	0.81	9.44	23.98
		2	8.23	1.13	9.36	23.98
		3	8.03	1.41	9.44	23.98
		4	7.51	1.88	9.39	23.98
		5	7.12	2.23	9.35	23.98
		6	6.98	2.36	9.34	23.98
		7	6.83	2.53	9.36	23.98

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	17.45	0.45	17.90	23.98
		1	17.08	0.81	17.89	23.98
		2	16.84	1.13	17.97	23.98
		3	16.57	1.41	17.98	23.98
		4	16.17	1.88	18.04	23.98
		5	15.74	2.23	17.97	23.98
		6	15.60	2.36	17.96	23.98
		7	15.39	2.53	17.92	23.98
5550	110	0	19.03	0.45	19.48	23.98
		1	18.46	0.81	19.27	23.98
		2	18.10	1.13	19.23	23.98
		3	17.87	1.41	19.27	23.98
		4	17.40	1.88	19.28	23.98
		5	17.12	2.23	19.34	23.98
		6	16.99	2.36	19.35	23.98
		7	16.89	2.53	19.42	23.98
5710	142	0	19.14	0.45	19.59	23.98
		1	18.71	0.81	19.52	23.98
		2	18.45	1.13	19.57	23.98
		3	18.16	1.41	19.57	23.98
		4	17.76	1.88	19.63	23.98
		5	17.47	2.23	19.70	23.98
		6	17.31	2.36	19.67	23.98
		7	17.16	2.53	19.68	23.98

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	18.83	0.45	19.28	30
		1	18.58	0.81	19.39	30
		2	18.24	1.13	19.37	30
		3	17.87	1.41	19.28	30
		4	17.51	1.88	19.38	30
		5	17.07	2.23	19.29	30
		6	16.91	2.36	19.27	30
		7	16.65	2.53	19.17	30
5795	159	0	18.81	0.45	19.26	30
		1	18.43	0.81	19.24	30
		2	18.10	1.13	19.23	30
		3	17.92	1.41	19.32	30
		4	17.25	1.88	19.12	30
		5	16.96	2.23	19.19	30
		6	16.83	2.36	19.19	30
		7	16.65	2.53	19.18	30

Mod : 802.11ac(VHT20)

802.11ac(20MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5180	36	0	9.13	0.21	9.34	23.98
		1	9.21	0.42	9.63	23.98
		2	9.01	0.61	9.62	23.98
		3	8.65	0.79	9.44	23.98
		4	8.38	1.09	9.47	23.98
		5	8.17	1.34	9.51	23.98
		6	7.64	1.47	9.11	23.98
		7	7.96	1.57	9.53	23.98
		8	7.73	1.78	9.51	23.98
5200	40	0	9.44	0.21	9.65	23.98
		1	9.25	0.42	9.67	23.98
		2	9.11	0.61	9.72	23.98
		3	8.69	0.79	9.48	23.98
		4	8.48	1.09	9.57	23.98
		5	8.21	1.34	9.55	23.98
		6	8.14	1.47	9.61	23.98
		7	8.05	1.57	9.62	23.98
		8	7.74	1.78	9.52	23.98
5240	48	0	9.71	0.21	9.92	23.98
		1	9.51	0.42	9.93	23.98
		2	9.46	0.61	10.07	23.98
		3	8.97	0.79	9.76	23.98
		4	8.72	1.09	9.81	23.98
		5	8.36	1.34	9.70	23.98
		6	8.27	1.47	9.74	23.98
		7	8.26	1.57	9.83	23.98
		8	8.00	1.78	9.78	23.98

802.11ac(20MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5260	52	0	9.49	0.21	9.70	23.98
		1	9.46	0.42	9.88	23.98
		2	9.22	0.61	9.83	23.98
		3	8.83	0.79	9.62	23.98
		4	8.37	1.09	9.46	23.98
		5	8.23	1.34	9.57	23.98
		6	8.19	1.47	9.66	23.98
		7	7.96	1.57	9.53	23.98
		8	7.90	1.78	9.68	23.98
5300	60	0	9.71	0.21	9.92	23.98
		1	9.58	0.42	10.00	23.98
		2	9.34	0.61	9.95	23.98
		3	8.84	0.79	9.63	23.98
		4	8.71	1.09	9.80	23.98
		5	8.44	1.34	9.78	23.98
		6	8.36	1.47	9.83	23.98
		7	8.29	1.57	9.86	23.98
		8	8.11	1.78	9.89	23.98
5320	64	0	9.86	0.21	10.07	23.98
		1	9.55	0.42	9.97	23.98
		2	9.29	0.61	9.90	23.98
		3	9.07	0.79	9.86	23.98
		4	8.57	1.09	9.66	23.98
		5	8.37	1.34	9.71	23.98
		6	8.36	1.47	9.83	23.98
		7	8.32	1.57	9.89	23.98
		8	7.96	1.78	9.74	23.98

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	0	18.04	0.21	18.25	23.98
		1	17.90	0.42	18.33	23.98
		2	17.70	0.61	18.31	23.98
		3	17.42	0.79	18.20	23.98
		4	17.00	1.09	18.09	23.98
		5	16.89	1.34	18.23	23.98
		6	16.63	1.47	18.10	23.98
		7	16.58	1.57	18.15	23.98
		8	16.24	1.78	18.02	23.98
5580	116	0	19.69	0.21	19.90	23.98
		1	19.45	0.42	19.88	23.98
		2	19.22	0.61	19.84	23.98
		3	18.96	0.79	19.75	23.98
		4	18.68	1.09	19.78	23.98
		5	18.46	1.34	19.81	23.98
		6	18.39	1.47	19.86	23.98
		7	18.35	1.57	19.92	23.98
		8	18.12	1.78	19.90	23.98
5720	144	0	19.63	0.21	19.85	23.98
		1	19.58	0.42	20.01	23.98
		2	19.38	0.61	19.99	23.98
		3	19.09	0.79	19.87	23.98
		4	18.84	1.09	19.93	23.98
		5	18.62	1.34	19.96	23.98
		6	18.41	1.47	19.88	23.98
		7	18.38	1.57	19.95	23.98
		8	18.21	1.78	19.99	23.98

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	19.54	0.21	19.76	30
		1	19.52	0.42	19.94	30
		2	19.21	0.61	19.83	30
		3	18.85	0.79	19.64	30
		4	18.61	1.09	19.70	30
		5	18.46	1.34	19.80	30
		6	18.14	1.47	19.61	30
		7	18.25	1.57	19.82	30
		8	17.96	1.78	19.74	30
5785	157	0	19.52	0.21	19.73	30
		1	19.44	0.42	19.87	30
		2	19.20	0.61	19.82	30
		3	18.87	0.79	19.66	30
		4	18.59	1.09	19.69	30
		5	18.44	1.34	19.79	30
		6	18.21	1.47	19.68	30
		7	18.11	1.57	19.69	30
		8	18.02	1.78	19.80	30
5825	165	0	19.47	0.21	19.68	30
		1	19.35	0.42	19.77	30
		2	19.22	0.61	19.83	30
		3	18.95	0.79	19.73	30
		4	18.69	1.09	19.78	30
		5	18.54	1.34	19.88	30
		6	18.14	1.47	19.61	30
		7	18.25	1.57	19.82	30
		8	17.87	1.78	19.65	30

Mod : 802.11ac(VHT40)

802.11ac(40MHz) Mode		MCS Index	MCS Index	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5190	38	0	8.77	0.44	9.21	23.98
		1	8.38	0.81	9.19	23.98
		2	8.19	1.12	9.31	23.98
		3	7.95	1.39	9.34	23.98
		4	7.57	1.84	9.41	23.98
		5	7.23	2.17	9.40	23.98
		6	6.96	2.31	9.27	23.98
		7	6.81	2.48	9.29	23.98
		8	6.56	2.71	9.27	23.98
		9	6.49	2.79	9.28	23.98
5230	46	0	9.03	0.44	9.47	23.98
		1	8.88	0.81	9.69	23.98
		2	8.41	1.12	9.53	23.98
		3	8.01	1.39	9.40	23.98
		4	7.59	1.84	9.43	23.98
		5	7.28	2.17	9.45	23.98
		6	7.18	2.31	9.49	23.98
		7	7.10	2.48	9.58	23.98
		8	6.76	2.71	9.47	23.98
		9	6.77	2.79	9.56	23.98

802.11ac(40MHz) Mode		MCS Index	MCS Index	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5270	54	0	8.71	0.44	9.15	23.98
		1	8.63	0.81	9.44	23.98
		2	8.30	1.12	9.42	23.98
		3	7.86	1.39	9.25	23.98
		4	7.50	1.84	9.34	23.98
		5	7.16	2.17	9.33	23.98
		6	7.00	2.31	9.31	23.98
		7	6.83	2.48	9.31	23.98
		8	6.57	2.71	9.28	23.98
		9	6.55	2.79	9.34	23.98
5310	62	0	8.96	0.44	9.40	23.98
		1	8.53	0.81	9.34	23.98
		2	8.36	1.12	9.48	23.98
		3	7.90	1.39	9.29	23.98
		4	7.48	1.84	9.32	23.98
		5	7.15	2.17	9.32	23.98
		6	7.05	2.31	9.36	23.98
		7	6.90	2.48	9.38	23.98
		8	6.53	2.71	9.24	23.98
		9	6.58	2.79	9.37	23.98

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	16.29	0.44	16.74	23.98
		1	15.94	0.81	16.74	23.98
		2	15.74	1.12	16.86	23.98
		3	15.41	1.39	16.80	23.98
		4	14.99	1.84	16.83	23.98
		5	14.78	2.17	16.95	23.98
		6	14.58	2.31	16.89	23.98
		7	14.11	2.48	16.58	23.98
		8	14.16	2.71	16.87	23.98
		9	13.84	2.79	16.62	23.98
5550	110	0	18.84	0.44	19.28	23.98
		1	18.53	0.81	19.34	23.98
		2	18.21	1.12	19.33	23.98
		3	18.04	1.39	19.43	23.98
		4	17.54	1.84	19.37	23.98
		5	17.01	2.17	19.18	23.98
		6	16.79	2.31	19.10	23.98
		7	16.70	2.48	19.18	23.98
		8	16.49	2.71	19.21	23.98
		9	16.45	2.79	19.24	23.98
5710	142	0	19.31	0.44	19.75	23.98
		1	18.74	0.81	19.54	23.98
		2	18.51	1.12	19.63	23.98
		3	18.10	1.39	19.49	23.98
		4	17.70	1.84	19.54	23.98
		5	17.42	2.17	19.59	23.98
		6	17.27	2.31	19.58	23.98
		7	17.14	2.48	19.62	23.98
		8	16.88	2.71	19.59	23.98
		9	16.87	2.79	19.66	23.98

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	18.92	0.44	19.37	30
		1	18.51	0.81	19.31	30
		2	18.00	1.12	19.12	30
		3	17.82	1.39	19.21	30
		4	17.52	1.84	19.36	30
		5	17.05	2.17	19.22	30
		6	16.95	2.31	19.26	30
		7	16.62	2.48	19.10	30
		8	16.50	2.71	19.21	30
		9	16.48	2.79	19.27	30
5795	159	0	18.67	0.44	19.12	30
		1	18.41	0.81	19.22	30
		2	18.13	1.12	19.26	30
		3	17.82	1.39	19.21	30
		4	17.49	1.84	19.33	30
		5	17.06	2.17	19.23	30
		6	17.00	2.31	19.31	30
		7	16.81	2.48	19.29	30
		8	16.58	2.71	19.29	30
		9	16.51	2.79	19.30	30

Mod : 802.11ac(VHT80)

802.11ac(80MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5210	42	0	8.87	0.86	9.73	23.98
		1	8.26	1.48	9.74	23.98
		2	7.81	1.92	9.73	23.98
		3	7.38	2.27	9.65	23.98
		4	6.90	2.26	9.16	23.98
		5	6.58	2.79	9.37	23.98
		6	6.37	3.12	9.49	23.98
		7	6.28	3.33	9.61	23.98
		8	6.07	3.73	9.80	23.98
		9	5.95	3.81	9.76	23.98

802.11ac(80MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5290	58	0	8.66	0.86	9.52	23.98
		1	8.02	1.48	9.50	23.98
		2	7.62	1.92	9.54	23.98
		3	7.16	2.27	9.43	23.98
		4	6.64	2.26	8.90	23.98
		5	6.39	2.79	9.18	23.98
		6	6.05	3.12	9.17	23.98
		7	6.06	3.33	9.39	23.98
		8	5.84	3.73	9.57	23.98
		9	5.70	3.81	9.51	23.98

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5530	106	0	15.25	0.86	16.11	23.98
		1	14.58	1.48	16.06	23.98
		2	14.16	1.92	16.08	23.98
		3	13.49	2.27	15.76	23.98
		4	13.33	2.26	15.59	23.98
		5	13.00	2.79	15.79	23.98
		6	12.67	3.12	15.79	23.98
		7	12.61	3.33	15.94	23.98
		8	12.35	3.73	16.08	23.98
		9	12.19	3.81	16.00	23.98
5610	122	0	18.54	0.86	19.41	23.98
		1	17.89	1.48	19.37	23.98
		2	17.54	1.92	19.46	23.98
		3	17.16	2.27	19.42	23.98
		4	16.73	2.26	18.98	23.98
		5	16.35	2.79	19.14	23.98
		6	16.11	3.12	19.23	23.98
		7	16.00	3.33	19.33	23.98
		8	15.87	3.73	19.60	23.98
		9	15.71	3.81	19.52	23.98
5690	138	0	18.82	0.86	19.68	23.98
		1	18.27	1.48	19.75	23.98
		2	17.85	1.92	19.77	23.98
		3	17.49	2.27	19.76	23.98
		4	16.95	2.26	19.21	23.98
		5	16.62	2.79	19.41	23.98
		6	16.40	3.12	19.52	23.98
		7	16.29	3.33	19.62	23.98
		8	16.06	3.73	19.79	23.98
		9	15.92	3.81	19.73	23.98

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5775	155	0	18.24	0.86	19.10	30
		1	17.68	1.48	19.16	30
		2	17.10	1.92	19.02	30
		3	16.86	2.27	19.13	30
		4	16.35	2.26	18.61	30
		5	15.89	2.79	18.68	30
		6	15.66	3.12	18.79	30
		7	15.60	3.33	18.93	30
		8	15.40	3.73	19.13	30
		9	15.30	3.81	19.10	30

External Ant

Mod : 802.11a

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5180	36	6 Mbps	12.42	0.21	12.63	23.98
		9 Mbps	12.17	0.32	12.49	23.98
		12 Mbps	12.32	0.40	12.72	23.98
		18 Mbps	11.82	0.58	12.40	23.98
		24 Mbps	11.71	0.76	12.47	23.98
		36 Mbps	11.37	1.06	12.43	23.98
		48 Mbps	10.98	1.37	12.35	23.98
		54 Mbps	11.05	1.49	12.54	23.98
5200	40	6 Mbps	12.74	0.21	12.95	23.98
		9 Mbps	12.67	0.32	12.99	23.98
		12 Mbps	12.37	0.40	12.77	23.98
		18 Mbps	11.96	0.58	12.54	23.98
		24 Mbps	11.82	0.76	12.58	23.98
		36 Mbps	11.55	1.06	12.61	23.98
		48 Mbps	11.42	1.37	12.79	23.98
		54 Mbps	11.27	1.49	12.76	23.98
5240	48	6 Mbps	12.39	0.21	12.60	23.98
		9 Mbps	12.31	0.32	12.63	23.98
		12 Mbps	12.25	0.40	12.65	23.98
		18 Mbps	11.85	0.58	12.43	23.98
		24 Mbps	11.48	0.76	12.24	23.98
		36 Mbps	11.32	1.06	12.38	23.98
		48 Mbps	11.10	1.37	12.47	23.98
		54 Mbps	10.85	1.49	12.34	23.98

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5260	52	6 Mbps	12.12	0.21	12.33	23.98
		9 Mbps	11.99	0.32	12.31	23.98
		12 Mbps	11.91	0.40	12.31	23.98
		18 Mbps	11.47	0.58	12.05	23.98
		24 Mbps	11.24	0.76	12.00	23.98
		36 Mbps	11.03	1.06	12.09	23.98
		48 Mbps	10.67	1.37	12.04	23.98
		54 Mbps	10.34	1.49	11.83	23.98
5300	60	6 Mbps	12.72	0.21	12.93	23.98
		9 Mbps	12.59	0.32	12.91	23.98
		12 Mbps	12.51	0.40	12.91	23.98
		18 Mbps	12.03	0.58	12.61	23.98
		24 Mbps	11.88	0.76	12.64	23.98
		36 Mbps	11.49	1.06	12.55	23.98
		48 Mbps	11.29	1.37	12.66	23.98
		54 Mbps	11.10	1.49	12.59	23.98
5320	64	6 Mbps	12.12	0.21	12.33	23.98
		9 Mbps	12.06	0.32	12.38	23.98
		12 Mbps	11.95	0.40	12.35	23.98
		18 Mbps	11.50	0.58	12.08	23.98
		24 Mbps	11.21	0.76	11.97	23.98
		36 Mbps	10.88	1.06	11.94	23.98
		48 Mbps	10.71	1.37	12.08	23.98
		54 Mbps	10.49	1.49	11.98	23.98

802.11a Mode		Rate (Mbps)	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	6	20.42	0.21	20.63	23.98
		9	20.22	0.32	20.53	23.98
		12	20.18	0.40	20.58	23.98
		18	19.80	0.58	20.38	23.98
		24	19.64	0.76	20.39	23.98
		36	19.13	1.06	20.20	23.98
		48	18.99	1.37	20.36	23.98
		54	18.79	1.49	20.28	23.98
5580	116	6	20.39	0.21	20.60	23.98
		9	20.41	0.32	20.73	23.98
		12	20.24	0.40	20.64	23.98
		18	19.95	0.58	20.54	23.98
		24	19.71	0.76	20.47	23.98
		36	19.30	1.06	20.36	23.98
		48	19.31	1.37	20.67	23.98
		54	18.88	1.49	20.37	23.98
5720	144	6	19.83	0.21	20.04	23.98
		9	19.69	0.32	20.00	23.98
		12	19.68	0.40	20.08	23.98
		18	19.16	0.58	19.74	23.98
		24	18.98	0.76	19.73	23.98
		36	18.63	1.06	19.69	23.98
		48	18.45	1.37	19.82	23.98
		54	18.32	1.49	19.81	23.98

802.11a Mode		Rate (Mbps)	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	6	20.54	0.21	20.74	30
		9	20.54	0.32	20.86	30
		12	20.36	0.40	20.76	30
		18	20.08	0.58	20.67	30
		24	19.87	0.76	20.63	30
		36	19.62	1.06	20.68	30
		48	19.36	1.37	20.73	30
		54	19.06	1.49	20.55	30
5785	157	6	20.05	0.21	20.26	30
		9	19.94	0.32	20.26	30
		12	19.77	0.40	20.18	30
		18	19.43	0.58	20.01	30
		24	19.34	0.76	20.09	30
		36	19.00	1.06	20.06	30
		48	18.81	1.37	20.17	30
		54	18.63	1.49	20.12	30
5825	165	6	19.35	0.21	19.55	30
		9	19.32	0.32	19.63	30
		12	19.24	0.40	19.64	30
		18	18.81	0.58	19.40	30
		24	18.71	0.76	19.47	30
		36	18.34	1.06	19.41	30
		48	18.19	1.37	19.56	30
		54	17.89	1.49	19.38	30

Mod : 802.11n(HT20)

802.11n(20MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5180	36	0	12.35	0.23	12.58	23.98
		1	12.18	0.43	12.61	23.98
		2	12.01	0.62	12.63	23.98
		3	11.70	0.80	12.50	23.98
		4	11.45	1.09	12.54	23.98
		5	11.23	1.37	12.60	23.98
		6	11.14	1.49	12.63	23.98
		7	10.86	1.60	12.46	23.98
5200	40	0	12.58	0.23	12.81	23.98
		1	12.35	0.43	12.78	23.98
		2	12.21	0.62	12.83	23.98
		3	11.90	0.80	12.70	23.98
		4	11.51	1.09	12.60	23.98
		5	11.24	1.37	12.61	23.98
		6	11.15	1.49	12.64	23.98
		7	11.01	1.60	12.61	23.98
5240	48	0	12.09	0.23	12.32	23.98
		1	11.88	0.43	12.31	23.98
		2	11.68	0.62	12.30	23.98
		3	11.33	0.80	12.13	23.98
		4	11.10	1.09	12.19	23.98
		5	10.87	1.37	12.24	23.98
		6	10.70	1.49	12.19	23.98
		7	10.61	1.60	12.21	23.98

802.11n(20MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5260	52	0	12.52	0.23	12.75	23.98
		1	12.35	0.43	12.78	23.98
		2	12.19	0.62	12.81	23.98
		3	11.90	0.80	12.70	23.98
		4	11.62	1.09	12.71	23.98
		5	11.40	1.37	12.77	23.98
		6	11.30	1.49	12.79	23.98
		7	11.18	1.60	12.78	23.98
5300	60	0	12.39	0.23	12.62	23.98
		1	12.12	0.43	12.55	23.98
		2	11.95	0.62	12.57	23.98
		3	11.57	0.80	12.37	23.98
		4	11.24	1.09	12.33	23.98
		5	10.95	1.37	12.32	23.98
		6	10.90	1.49	12.39	23.98
		7	10.77	1.60	12.37	23.98
5320	64	0	12.49	0.23	12.72	23.98
		1	12.32	0.43	12.75	23.98
		2	12.19	0.62	12.81	23.98
		3	11.83	0.80	12.63	23.98
		4	11.43	1.09	12.52	23.98
		5	11.32	1.37	12.69	23.98
		6	11.12	1.49	12.61	23.98
		7	11.14	1.60	12.74	23.98

802.11n_HT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	0	20.06	0.23	20.29	23.98
		1	19.96	0.43	20.39	23.98
		2	19.85	0.62	20.47	23.98
		3	19.48	0.80	20.28	23.98
		4	19.20	1.09	20.29	23.98
		5	19.00	1.37	20.37	23.98
		6	18.85	1.49	20.33	23.98
		7	18.79	1.60	20.40	23.98
5580	116	0	20.35	0.23	20.57	23.98
		1	20.08	0.43	20.51	23.98
		2	19.89	0.62	20.51	23.98
		3	19.57	0.80	20.36	23.98
		4	19.34	1.09	20.43	23.98
		5	19.09	1.37	20.47	23.98
		6	19.03	1.49	20.52	23.98
		7	18.96	1.60	20.56	23.98
5720	144	0	19.63	0.23	19.86	23.98
		1	19.57	0.43	19.99	23.98
		2	19.30	0.62	19.91	23.98
		3	19.01	0.80	19.81	23.98
		4	18.71	1.09	19.81	23.98
		5	18.44	1.37	19.81	23.98
		6	18.49	1.49	19.98	23.98
		7	18.34	1.60	19.94	23.98

802.11n_HT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	20.19	0.23	20.42	30
		1	20.17	0.43	20.59	30
		2	19.87	0.62	20.48	30
		3	19.52	0.80	20.32	30
		4	19.28	1.09	20.38	30
		5	19.10	1.37	20.47	30
		6	18.94	1.49	20.43	30
		7	18.89	1.60	20.49	30
5785	157	0	19.62	0.23	19.84	30
		1	19.44	0.43	19.87	30
		2	19.38	0.62	19.99	30
		3	19.06	0.80	19.85	30
		4	18.80	1.09	19.89	30
		5	18.50	1.37	19.88	30
		6	18.42	1.49	19.90	30
		7	18.31	1.60	19.91	30
5825	165	0	18.96	0.23	19.19	30
		1	18.83	0.43	19.25	30
		2	18.66	0.62	19.27	30
		3	18.39	0.80	19.19	30
		4	18.02	1.09	19.11	30
		5	17.89	1.37	19.26	30
		6	17.77	1.49	19.26	30
		7	17.68	1.60	19.28	30

Mod : 802.11n(HT40)

802.11n(40MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5190	38	0	11.30	0.44	11.74	23.98
		1	10.97	0.81	11.78	23.98
		2	10.71	1.13	11.84	23.98
		3	10.41	1.41	11.82	23.98
		4	10.04	1.88	11.92	23.98
		5	9.77	2.22	11.99	23.98
		6	9.64	2.36	12.00	23.98
		7	9.49	2.53	12.02	23.98
5230	46	0	12.00	0.44	12.44	23.98
		1	11.62	0.81	12.43	23.98
		2	11.34	1.13	12.47	23.98
		3	10.99	1.41	12.40	23.98
		4	10.62	1.88	12.50	23.98
		5	10.23	2.22	12.45	23.98
		6	10.12	2.36	12.48	23.98
		7	9.93	2.53	12.46	23.98

802.11n(40MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5270	54	0	11.64	0.44	12.08	23.98
		1	11.34	0.81	12.15	23.98
		2	11.09	1.13	12.22	23.98
		3	10.82	1.41	12.23	23.98
		4	10.43	1.88	12.31	23.98
		5	10.08	2.22	12.30	23.98
		6	9.91	2.36	12.27	23.98
		7	9.71	2.53	12.24	23.98
5310	62	0	12.34	0.44	12.78	23.98
		1	11.98	0.81	12.79	23.98
		2	11.66	1.13	12.79	23.98
		3	11.41	1.41	12.82	23.98
		4	11.01	1.88	12.89	23.98
		5	10.67	2.22	12.89	23.98
		6	10.59	2.36	12.95	23.98
		7	10.46	2.53	12.99	23.98

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	19.36	0.44	19.80	23.98
		1	19.11	0.81	19.93	23.98
		2	18.87	1.13	20.01	23.98
		3	18.56	1.41	19.97	23.98
		4	18.13	1.88	20.01	23.98
		5	17.74	2.22	19.95	23.98
		6	17.58	2.36	19.94	23.98
		7	17.40	2.53	19.92	23.98
5550	110	0	20.36	0.44	20.81	23.98
		1	20.01	0.81	20.82	23.98
		2	19.78	1.13	20.92	23.98
		3	19.53	1.41	20.94	23.98
		4	19.15	1.88	21.03	23.98
		5	18.56	2.22	20.77	23.98
		6	18.42	2.36	20.78	23.98
		7	18.21	2.53	20.74	23.98
5710	142	0	19.74	0.44	20.18	23.98
		1	19.38	0.81	20.19	23.98
		2	18.89	1.13	20.02	23.98
		3	18.70	1.41	20.11	23.98
		4	18.18	1.88	20.05	23.98
		5	17.89	2.22	20.11	23.98
		6	17.78	2.36	20.14	23.98
		7	17.60	2.53	20.12	23.98

802.11n_HT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	19.73	0.44	20.17	30
		1	19.45	0.81	20.27	30
		2	19.22	1.13	20.35	30
		3	18.95	1.41	20.36	30
		4	18.31	1.88	20.19	30
		5	18.00	2.22	20.21	30
		6	17.94	2.36	20.30	30
		7	17.74	2.53	20.26	30
5795	159	0	19.13	0.44	19.57	30
		1	18.70	0.81	19.51	30
		2	18.38	1.13	19.52	30
		3	18.11	1.41	19.52	30
		4	17.73	1.88	19.60	30
		5	17.37	2.22	19.58	30
		6	17.24	2.36	19.59	30
		7	17.07	2.53	19.59	30

Mod : 802.11ac(VHT20)

802.11ac(20MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5180	36	0	12.01	0.21	12.22	23.98
		1	11.92	0.42	12.34	23.98
		2	11.70	0.61	12.31	23.98
		3	11.35	0.79	12.14	23.98
		4	11.07	1.09	12.16	23.98
		5	10.98	1.34	12.32	23.98
		6	10.72	1.47	12.19	23.98
		7	10.48	1.56	12.04	23.98
		8	10.29	1.79	12.08	23.98
5200	40	0	12.22	0.21	12.43	23.98
		1	11.99	0.42	12.41	23.98
		2	11.91	0.61	12.52	23.98
		3	11.57	0.79	12.36	23.98
		4	11.30	1.09	12.39	23.98
		5	11.11	1.34	12.45	23.98
		6	10.96	1.47	12.43	23.98
		7	10.87	1.56	12.43	23.98
		8	10.72	1.79	12.51	23.98
5240	48	0	11.87	0.21	12.08	23.98
		1	11.98	0.42	12.40	23.98
		2	11.77	0.61	12.38	23.98
		3	11.18	0.79	11.97	23.98
		4	10.95	1.09	12.04	23.98
		5	10.81	1.34	12.15	23.98
		6	10.70	1.47	12.17	23.98
		7	10.53	1.56	12.09	23.98
		8	10.39	1.79	12.18	23.98

802.11ac(20MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5260	52	0	12.71	0.21	12.92	23.98
		1	12.45	0.42	12.87	23.98
		2	12.34	0.61	12.95	23.98
		3	12.10	0.79	12.89	23.98
		4	11.60	1.09	12.69	23.98
		5	11.40	1.34	12.74	23.98
		6	11.38	1.47	12.85	23.98
		7	11.24	1.56	12.80	23.98
		8	11.04	1.79	12.83	23.98
5300	60	0	12.32	0.21	12.53	23.98
		1	12.11	0.42	12.53	23.98
		2	12.03	0.61	12.64	23.98
		3	11.70	0.79	12.49	23.98
		4	11.44	1.09	12.53	23.98
		5	11.08	1.34	12.42	23.98
		6	10.97	1.47	12.44	23.98
		7	10.93	1.56	12.49	23.98
		8	10.73	1.79	12.52	23.98
5320	64	0	11.95	0.21	12.16	23.98
		1	11.72	0.42	12.14	23.98
		2	11.50	0.61	12.11	23.98
		3	11.06	0.79	11.85	23.98
		4	10.87	1.09	11.96	23.98
		5	10.67	1.34	12.01	23.98
		6	10.54	1.47	12.01	23.98
		7	10.35	1.56	11.91	23.98
		8	10.22	1.79	12.01	23.98

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5500	100	0	19.96	0.21	20.17	23.98
		1	21.09	0.42	21.51	23.98
		2	20.94	0.61	21.55	23.98
		3	20.59	0.79	21.37	23.98
		4	20.36	1.09	21.45	23.98
		5	20.14	1.34	21.48	23.98
		6	19.97	1.47	21.44	23.98
		7	20.03	1.56	21.60	23.98
		8	19.74	1.79	21.52	23.98
5580	116	0	20.49	0.21	20.70	23.98
		1	20.13	0.42	20.56	23.98
		2	20.27	0.61	20.87	23.98
		3	19.67	0.79	20.45	23.98
		4	19.38	1.09	20.47	23.98
		5	19.15	1.34	20.49	23.98
		6	19.00	1.47	20.48	23.98
		7	18.96	1.56	20.52	23.98
		8	18.76	1.79	20.54	23.98
5720	144	0	20.78	0.21	20.99	23.98
		1	20.58	0.42	21.00	23.98
		2	20.43	0.61	21.04	23.98
		3	20.04	0.79	20.83	23.98
		4	19.69	1.09	20.78	23.98
		5	19.51	1.34	20.85	23.98
		6	19.32	1.47	20.79	23.98
		7	19.28	1.56	20.84	23.98
		8	19.08	1.79	20.86	23.98

802.11ac_VHT20 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5745	149	0	20.26	0.21	20.47	30
		1	20.25	0.42	20.67	30
		2	20.09	0.61	20.69	30
		3	19.62	0.79	20.40	30
		4	19.33	1.09	20.42	30
		5	19.30	1.34	20.65	30
		6	18.99	1.47	20.47	30
		7	18.90	1.56	20.47	30
		8	18.79	1.79	20.57	30
5785	157	0	19.84	0.21	20.05	30
		1	19.77	0.42	20.20	30
		2	19.41	0.61	20.02	30
		3	19.09	0.79	19.88	30
		4	18.82	1.09	19.91	30
		5	18.62	1.34	19.97	30
		6	18.53	1.47	20.00	30
		7	18.38	1.56	19.94	30
		8	18.25	1.79	20.03	30
5825	165	0	19.24	0.21	19.45	30
		1	18.92	0.42	19.34	30
		2	18.80	0.61	19.41	30
		3	18.48	0.79	19.27	30
		4	18.23	1.09	19.32	30
		5	18.02	1.34	19.36	30
		6	17.98	1.47	19.45	30
		7	17.75	1.56	19.31	30
		8	17.60	1.79	19.39	30

Mod : 802.11ac(VHT40)

802.11ac(40MHz) Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5190	38	0	11.59	0.44	12.03	23.98
		1	11.27	0.80	12.07	23.98
		2	11.00	1.12	12.12	23.98
		3	10.58	1.39	11.97	23.98
		4	10.41	1.84	12.25	23.98
		5	9.93	2.17	12.10	23.98
		6	9.78	2.31	12.09	23.98
		7	9.63	2.47	12.10	23.98
		8	9.42	2.73	12.15	23.98
		9	9.38	2.80	12.18	23.98
5230	46	0	11.97	0.44	12.41	23.98
		1	11.73	0.80	12.53	23.98
		2	11.45	1.12	12.57	23.98
		3	11.20	1.39	12.59	23.98
		4	10.78	1.84	12.62	23.98
		5	10.32	2.17	12.49	23.98
		6	10.13	2.31	12.44	23.98
		7	10.03	2.47	12.50	23.98
		8	9.77	2.73	12.50	23.98
		9	9.70	2.80	12.50	23.98

802.11ac(40MHz) Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5270	54	0	12.05	0.44	12.49	23.98
		1	11.61	0.80	12.41	23.98
		2	11.24	1.12	12.36	23.98
		3	11.01	1.39	12.40	23.98
		4	10.64	1.84	12.48	23.98
		5	10.24	2.17	12.41	23.98
		6	10.12	2.31	12.43	23.98
		7	9.95	2.47	12.42	23.98
		8	9.74	2.73	12.47	23.98
		9	9.64	2.80	12.44	23.98
5310	62	0	11.61	0.44	12.05	23.98
		1	11.39	0.80	12.19	23.98
		2	11.04	1.12	12.16	23.98
		3	10.84	1.39	12.23	23.98
		4	10.23	1.84	12.07	23.98
		5	9.88	2.17	12.05	23.98
		6	9.77	2.31	12.08	23.98
		7	9.55	2.47	12.02	23.98
		8	9.45	2.73	12.18	23.98
		9	9.37	2.80	12.17	23.98

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5510	102	0	19.68	0.44	20.12	23.98
		1	19.40	0.80	20.20	23.98
		2	19.07	1.12	20.19	23.98
		3	18.77	1.39	20.16	23.98
		4	18.36	1.84	20.19	23.98
		5	17.94	2.17	20.11	23.98
		6	17.82	2.31	20.13	23.98
		7	17.67	2.47	20.15	23.98
		8	17.45	2.73	20.17	23.98
		9	17.38	2.80	20.18	23.98
5550	110	0	20.62	0.44	21.06	23.98
		1	20.19	0.80	20.99	23.98
		2	19.96	1.12	21.08	23.98
		3	19.73	1.39	21.12	23.98
		4	19.37	1.84	21.21	23.98
		5	19.01	2.17	21.18	23.98
		6	18.73	2.31	21.04	23.98
		7	18.60	2.47	21.07	23.98
		8	18.39	2.73	21.12	23.98
		9	18.33	2.80	21.13	23.98
5710	142	0	19.87	0.44	20.31	23.98
		1	19.42	0.80	20.22	23.98
		2	19.14	1.12	20.26	23.98
		3	18.89	1.39	20.28	23.98
		4	18.54	1.84	20.38	23.98
		5	18.22	2.17	20.40	23.98
		6	18.10	2.31	20.41	23.98
		7	17.95	2.47	20.43	23.98
		8	17.72	2.73	20.45	23.98
		9	17.69	2.80	20.49	23.98

802.11ac_VHT40 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5755	151	0	20.08	0.44	20.52	30
		1	19.67	0.80	20.47	30
		2	19.46	1.12	20.58	30
		3	19.27	1.39	20.65	30
		4	18.87	1.84	20.70	30
		5	18.51	2.17	20.68	30
		6	18.21	2.31	20.53	30
		7	18.09	2.47	20.56	30
		8	17.82	2.73	20.54	30
		9	17.79	2.80	20.59	30
5795	159	0	19.34	0.44	19.78	30
		1	18.95	0.80	19.75	30
		2	18.76	1.12	19.89	30
		3	18.45	1.39	19.84	30
		4	18.04	1.84	19.88	30
		5	17.74	2.17	19.92	30
		6	17.62	2.31	19.94	30
		7	17.52	2.47	20.00	30
		8	17.22	2.73	19.95	30
		9	17.14	2.80	19.93	30

Mod : 802.11ac(VHT80)

802.11ac(80MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5210	42	0	11.97	0.86	12.83	23.98
		1	11.46	1.46	12.92	23.98
		2	11.06	1.94	13.00	23.98
		3	10.63	2.26	12.89	23.98
		4	10.01	2.79	12.80	23.98
		5	9.63	3.13	12.76	23.98
		6	9.41	3.33	12.74	23.98
		7	9.35	3.43	12.78	23.98
		8	9.23	3.67	12.90	23.98
		9	9.15	3.83	12.98	23.98

802.11ac(80MHz) Mode		MCS Index	Measured Power(dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)
Frequency[MHz]	Channel No.					
5290	58	0	12.18	0.86	13.04	23.98
		1	10.35	1.46	11.81	23.98
		2	10.06	1.94	12.00	23.98
		3	9.74	2.26	12.00	23.98
		4	9.09	2.79	11.88	23.98
		5	8.84	3.13	11.97	23.98
		6	8.51	3.33	11.84	23.98
		7	8.43	3.43	11.86	23.98
		8	8.24	3.67	11.91	23.98
		9	8.23	3.83	12.06	23.98

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5530	106	0	19.56	0.86	20.42	23.98
		1	18.89	1.46	20.36	23.98
		2	18.42	1.94	20.36	23.98
		3	18.03	2.26	20.29	23.98
		4	17.57	2.79	20.36	23.98
		5	17.24	3.13	20.37	23.98
		6	17.08	3.33	20.41	23.98
		7	16.98	3.43	20.41	23.98
		8	16.75	3.67	20.42	23.98
		9	16.65	3.83	20.48	23.98
5610	122	0	20.04	0.86	20.90	23.98
		1	19.54	1.46	21.00	23.98
		2	19.09	1.94	21.03	23.98
		3	18.71	2.26	20.97	23.98
		4	18.23	2.79	21.03	23.98
		5	17.86	3.13	20.99	23.98
		6	17.71	3.33	21.04	23.98
		7	17.64	3.43	21.07	23.98
		8	17.36	3.67	21.03	23.98
		9	17.21	3.83	21.04	23.98
5690	138	0	19.78	0.86	20.64	23.98
		1	19.26	1.46	20.72	23.98
		2	18.74	1.94	20.67	23.98
		3	18.36	2.26	20.62	23.98
		4	17.95	2.79	20.74	23.98
		5	17.50	3.13	20.63	23.98
		6	17.41	3.33	20.74	23.98
		7	17.28	3.43	20.71	23.98
		8	17.04	3.67	20.71	23.98
		9	16.91	3.83	20.74	23.98

802.11ac_VHT80 Mode		MCS Index	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
Frequency [MHz]	Channel No.					
5775	155	0	19.14	0.86	20.00	30
		1	18.51	1.46	19.97	30
		2	18.03	1.94	19.96	30
		3	17.68	2.26	19.94	30
		4	17.11	2.79	19.90	30
		5	16.82	3.13	19.95	30
		6	16.70	3.33	20.03	30
		7	16.59	3.43	20.02	30
		8	16.33	3.67	20.00	30
		9	16.22	3.83	20.04	30

Internal Ant + External Ant

Mod : 802.11n(HT20)

802.11n(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5180	36	MCS8	0.906	7.02	2.22	8.27	9.18	23.98
		MCS9	0.835	6.64	1.62	7.83	8.67	23.98
		MCS10	0.779	6.46	1.42	7.65	8.43	23.98
		MCS11	0.732	5.76	0.93	6.99	7.72	23.98
		MCS12	0.663	5.43	0.57	6.66	7.32	23.98
		MCS13	0.611	5.09	0.19	6.31	6.92	23.98
		MCS14	0.593	5.06	0.06	6.25	6.84	23.98
		MCS15	0.574	4.87	-0.17	6.05	6.62	23.98
5200	40	MCS8	0.906	6.97	2.04	8.18	9.09	23.98
		MCS9	0.835	6.62	2.17	7.95	8.79	23.98
		MCS10	0.779	6.53	1.69	7.76	8.54	23.98
		MCS11	0.732	5.80	1.29	7.12	7.85	23.98
		MCS12	0.663	5.53	0.80	6.79	7.45	23.98
		MCS13	0.611	5.24	0.52	6.50	7.11	23.98
		MCS14	0.593	5.12	0.34	6.37	6.96	23.98
		MCS15	0.574	4.96	0.27	6.23	6.80	23.98
5240	48	MCS8	0.906	7.26	2.88	8.61	9.52	23.98
		MCS9	0.835	7.03	2.67	8.39	9.23	23.98
		MCS10	0.779	6.74	2.38	8.09	8.87	23.98
		MCS11	0.732	6.26	1.89	7.61	8.34	23.98
		MCS12	0.663	5.68	1.52	7.09	7.75	23.98
		MCS13	0.611	5.41	1.04	6.77	7.38	23.98
		MCS14	0.593	5.29	0.91	6.64	7.23	23.98
		MCS15	0.574	5.19	0.79	6.53	7.10	23.98

802.11n(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5260	52	MCS8	0.906	7.40	3.94	9.01	9.92	23.98
		MCS9	0.835	6.94	3.64	8.61	9.45	23.98
		MCS10	0.779	6.61	3.23	8.25	9.03	23.98
		MCS11	0.732	6.19	2.72	7.80	8.53	23.98
		MCS12	0.663	5.77	2.40	7.41	8.07	23.98
		MCS13	0.611	5.47	2.16	7.14	7.75	23.98
		MCS14	0.593	5.45	1.94	7.05	7.64	23.98
		MCS15	0.574	5.07	1.63	6.69	7.26	23.98
5300	60	MCS8	0.906	7.46	4.44	9.22	10.13	23.98
		MCS9	0.835	7.06	4.07	8.82	9.66	23.98
		MCS10	0.779	6.69	3.86	8.51	9.29	23.98
		MCS11	0.732	6.20	3.43	8.04	8.77	23.98
		MCS12	0.663	6.13	3.04	7.87	8.53	23.98
		MCS13	0.611	5.63	2.50	7.35	7.96	23.98
		MCS14	0.593	5.47	2.40	7.21	7.80	23.98
		MCS15	0.574	5.37	2.29	7.11	7.68	23.98
5320	64	MCS8	0.906	7.39	4.59	9.22	10.13	23.98
		MCS9	0.835	7.15	4.36	8.99	9.83	23.98
		MCS10	0.779	6.92	4.12	8.75	9.53	23.98
		MCS11	0.732	6.17	3.63	8.09	8.82	23.98
		MCS12	0.663	5.85	3.28	7.76	8.42	23.98
		MCS13	0.611	5.61	2.95	7.49	8.10	23.98
		MCS14	0.593	5.44	2.76	7.31	7.90	23.98
		MCS15	0.574	5.33	2.61	7.19	7.76	23.98

802.11n(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5500	100	MCS8	0.428	16.00	17.70	19.94	20.37	23.98
		MCS9	0.781	15.81	17.37	19.67	20.45	23.98
		MCS10	1.084	15.40	17.11	19.35	20.43	23.98
		MCS11	1.352	15.01	16.65	18.92	20.27	23.98
		MCS12	1.784	14.58	16.18	18.46	20.25	23.98
		MCS13	2.137	14.26	15.86	18.14	20.28	23.98
		MCS14	2.270	14.11	15.80	18.05	20.32	23.98
		MCS15	2.412	14.00	15.60	17.88	20.30	23.98
5580	116	MCS8	0.428	16.15	17.91	20.13	20.55	23.98
		MCS9	0.781	15.86	17.59	19.82	20.60	23.98
		MCS10	1.084	15.46	17.23	19.44	20.53	23.98
		MCS11	1.352	15.03	16.72	18.97	20.32	23.98
		MCS12	1.784	14.58	16.43	18.62	20.40	23.98
		MCS13	2.137	14.26	16.12	18.30	20.44	23.98
		MCS14	2.270	14.13	15.99	18.17	20.44	23.98
		MCS15	2.412	13.95	15.73	17.94	20.35	23.98
5720	144	MCS8	0.428	16.33	17.32	19.86	20.29	23.98
		MCS9	0.781	16.25	17.01	19.65	20.44	23.98
		MCS10	1.084	15.81	16.67	19.27	20.36	23.98
		MCS11	1.352	15.39	16.23	18.84	20.20	23.98
		MCS12	1.784	14.90	15.92	18.45	20.24	23.98
		MCS13	2.137	14.64	15.56	18.14	20.27	23.98
		MCS14	2.270	14.56	15.35	17.98	20.25	23.98
		MCS15	2.412	14.28	15.25	17.80	20.21	23.98

802.11n(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5745	149	MCS8	0.428	19.18	19.96	22.60	23.02	30.00
		MCS9	0.781	18.93	19.52	22.25	23.03	30.00
		MCS10	1.084	18.73	19.24	22.01	23.09	30.00
		MCS11	1.352	18.38	18.91	21.66	23.02	30.00
		MCS12	1.784	17.95	18.58	21.29	23.07	30.00
		MCS13	2.137	17.69	18.11	20.92	23.06	30.00
		MCS14	2.270	17.58	18.12	20.87	23.14	30.00
		MCS15	2.412	17.17	17.94	20.58	22.99	30.00
5785	157	MCS8	0.428	19.58	19.38	22.49	22.92	30.00
		MCS9	0.781	18.84	19.11	21.99	22.77	30.00
		MCS10	1.084	18.72	18.77	21.76	22.84	30.00
		MCS11	1.352	18.28	18.36	21.33	22.68	30.00
		MCS12	1.784	17.85	18.02	20.94	22.73	30.00
		MCS13	2.137	17.65	17.71	20.69	22.83	30.00
		MCS14	2.270	17.56	17.58	20.58	22.85	30.00
		MCS15	2.412	17.36	17.46	20.42	22.84	30.00
5825	165	MCS8	0.428	19.14	18.71	21.94	22.37	30.00
		MCS9	0.781	18.73	18.50	21.63	22.41	30.00
		MCS10	1.084	18.55	18.22	21.40	22.49	30.00
		MCS11	1.352	18.20	17.85	21.04	22.39	30.00
		MCS12	1.784	17.86	17.41	20.65	22.43	30.00
		MCS13	2.137	17.50	17.23	20.37	22.51	30.00
		MCS14	2.270	17.26	17.03	20.16	22.43	30.00
		MCS15	2.412	17.22	16.87	20.06	22.47	30.00

Mod : 802.11n(HT40)

802.11n(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5190	38	MCS8	0.804	7.09	2.26	8.33	9.13	23.98
		MCS9	1.401	6.77	1.75	7.95	9.35	23.98
		MCS10	1.838	6.24	1.37	7.46	9.30	23.98
		MCS11	2.173	6.11	1.05	7.29	9.46	23.98
		MCS12	2.724	5.40	0.32	6.57	9.29	23.98
		MCS13	3.030	5.14	0.02	6.30	9.33	23.98
		MCS14	3.227	5.03	-0.08	6.19	9.42	23.98
		MCS15	3.319	4.96	-0.15	6.13	9.45	23.98
5230	46	MCS8	0.804	7.60	2.78	8.84	9.64	23.98
		MCS9	1.401	7.11	2.43	8.38	9.78	23.98
		MCS10	1.838	6.72	1.61	7.88	9.72	23.98
		MCS11	2.173	6.40	1.42	7.60	9.77	23.98
		MCS12	2.724	5.56	1.11	6.89	9.61	23.98
		MCS13	3.030	5.33	0.71	6.62	9.65	23.98
		MCS14	3.227	5.14	0.57	6.44	9.67	23.98
		MCS15	3.319	5.09	0.46	6.38	9.70	23.98

802.11n(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5270	54	MCS8	0.804	7.22	3.80	8.85	9.65	23.98
		MCS9	1.401	6.58	3.12	8.20	9.60	23.98
		MCS10	1.838	6.24	2.77	7.85	9.69	23.98
		MCS11	2.173	5.96	2.27	7.51	9.68	23.98
		MCS12	2.724	5.29	1.81	6.90	9.62	23.98
		MCS13	3.030	4.98	1.56	6.61	9.64	23.98
		MCS14	3.227	4.89	1.16	6.42	9.65	23.98
		MCS15	3.319	4.80	1.05	6.33	9.65	23.98
5310	62	MCS8	0.804	7.41	4.05	9.05	9.85	23.98
		MCS9	1.401	6.89	3.65	8.57	9.97	23.98
		MCS10	1.838	6.28	3.25	8.03	9.87	23.98
		MCS11	2.173	6.13	2.74	7.77	9.94	23.98
		MCS12	2.724	5.36	2.23	7.08	9.80	23.98
		MCS13	3.030	5.30	2.01	6.97	10.00	23.98
		MCS14	3.227	4.87	1.88	6.63	9.86	23.98
		MCS15	3.319	4.85	1.81	6.60	9.92	23.98

802.11n(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5510	102	MCS8	0.804	14.97	17.42	19.37	20.18	23.98
		MCS9	1.401	14.25	16.88	18.77	20.17	23.98
		MCS10	1.838	13.91	16.40	18.34	20.18	23.98
		MCS11	2.173	13.56	16.12	18.04	20.21	23.98
		MCS12	2.724	13.03	15.57	17.49	20.22	23.98
		MCS13	3.030	12.71	15.26	17.18	20.21	23.98
		MCS14	3.227	12.53	15.13	17.03	20.26	23.98
		MCS15	3.319	12.45	15.02	16.93	20.25	23.98
5550	110	MCS8	0.804	14.92	17.31	19.29	20.09	23.98
		MCS9	1.401	14.40	16.82	18.78	20.19	23.98
		MCS10	1.838	13.84	16.34	18.28	20.12	23.98
		MCS11	2.173	13.49	16.17	18.04	20.22	23.98
		MCS12	2.724	13.03	15.56	17.48	20.21	23.98
		MCS13	3.030	12.75	15.33	17.24	20.27	23.98
		MCS14	3.227	12.53	15.10	17.02	20.24	23.98
		MCS15	3.319	12.37	14.96	16.87	20.19	23.98
5710	142	MCS8	0.804	15.34	16.66	19.06	19.86	23.98
		MCS9	1.401	14.81	16.20	18.57	19.97	23.98
		MCS10	1.838	14.31	15.67	18.05	19.89	23.98
		MCS11	2.173	14.04	15.36	17.76	19.93	23.98
		MCS12	2.724	13.36	14.91	17.22	19.94	23.98
		MCS13	3.030	13.16	14.48	16.88	19.91	23.98
		MCS14	3.227	13.00	14.47	16.81	20.03	23.98
		MCS15	3.319	12.91	14.28	16.66	19.98	23.98

802.11n(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5755	151	MCS8	0.804	18.17	19.85	22.10	22.91	30.00
		MCS9	1.401	17.66	19.42	21.64	23.04	30.00
		MCS10	1.838	17.17	19.09	21.24	23.08	30.00
		MCS11	2.173	16.88	18.49	20.77	22.94	30.00
		MCS12	2.724	16.37	17.99	20.27	22.99	30.00
		MCS13	3.030	16.13	17.79	20.05	23.08	30.00
		MCS14	3.227	15.92	17.51	19.80	23.02	30.00
		MCS15	3.319	15.83	17.46	19.73	23.05	30.00
5795	159	MCS8	0.804	18.10	19.07	21.62	22.43	30.00
		MCS9	1.401	17.38	18.61	21.05	22.45	30.00
		MCS10	1.838	17.14	18.15	20.68	22.52	30.00
		MCS11	2.173	16.80	17.91	20.40	22.58	30.00
		MCS12	2.724	16.16	17.29	19.77	22.49	30.00
		MCS13	3.030	15.89	17.05	19.52	22.55	30.00
		MCS14	3.227	15.62	16.97	19.36	22.58	30.00
		MCS15	3.319	15.46	16.89	19.24	22.56	30.00

Mod : 802.11ac(VHT20)

802.11ac(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5180	36	MCS9	0.422	6.95	2.21	8.21	8.63	23.98
		MCS10	0.770	6.47	2.18	7.85	8.62	23.98
		MCS11	1.071	6.10	1.93	7.51	8.58	23.98
		MCS12	1.317	6.01	1.08	7.22	8.54	23.98
		MCS13	1.748	5.47	0.81	6.75	8.50	23.98
		MCS14	2.088	5.10	0.54	6.40	8.49	23.98
		MCS15	2.222	5.03	0.48	6.34	8.56	23.98
		MCS16	2.367	4.93	0.39	6.24	8.61	23.98
		MCS17	2.596	4.66	-0.01	5.94	8.54	23.98
5200	40	MCS9	0.422	6.94	2.45	8.26	8.68	23.98
		MCS10	0.770	6.79	2.13	8.06	8.83	23.98
		MCS11	1.071	6.34	1.73	7.63	8.70	23.98
		MCS12	1.317	6.17	1.60	7.47	8.79	23.98
		MCS13	1.748	5.62	0.99	6.90	8.65	23.98
		MCS14	2.088	5.28	0.73	6.58	8.67	23.98
		MCS15	2.222	5.17	0.60	6.47	8.69	23.98
		MCS16	2.367	5.05	0.52	6.36	8.73	23.98
		MCS17	2.596	4.87	0.08	6.11	8.71	23.98
5240	48	MCS9	0.422	7.25	3.17	8.69	9.11	23.98
		MCS10	0.770	6.99	2.71	8.37	9.14	23.98
		MCS11	1.071	6.76	2.60	8.17	9.24	23.98
		MCS12	1.317	6.36	1.89	7.68	9.00	23.98
		MCS13	1.748	6.03	1.56	7.36	9.11	23.98
		MCS14	2.088	5.55	1.06	6.87	8.96	23.98
		MCS15	2.222	5.35	1.25	6.78	9.00	23.98
		MCS16	2.367	5.23	1.14	6.66	9.03	23.98
		MCS17	2.596	5.03	0.90	6.45	9.05	23.98

802.11ac(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5260	52	MCS9	0.422	7.12	4.02	8.85	9.27	23.98
		MCS10	0.770	7.08	3.79	8.75	9.52	23.98
		MCS11	1.071	6.58	3.22	8.23	9.30	23.98
		MCS12	1.317	6.38	2.81	7.96	9.28	23.98
		MCS13	1.748	5.74	2.42	7.40	9.15	23.98
		MCS14	2.088	5.67	2.17	7.27	9.36	23.98
		MCS15	2.222	5.58	2.08	7.18	9.40	23.98
		MCS16	2.367	5.40	1.97	7.03	9.40	23.98
		MCS17	2.596	5.15	1.73	6.78	9.38	23.98
5300	60	MCS9	0.422	7.50	4.61	9.30	9.72	23.98
		MCS10	0.770	6.91	4.12	8.74	9.51	23.98
		MCS11	1.071	6.71	3.87	8.53	9.60	23.98
		MCS12	1.317	6.25	3.44	8.08	9.40	23.98
		MCS13	1.748	5.86	2.92	7.65	9.40	23.98
		MCS14	2.088	5.42	2.70	7.28	9.37	23.98
		MCS15	2.222	5.60	2.45	7.31	9.53	23.98
		MCS16	2.367	5.38	2.33	7.13	9.50	23.98
		MCS17	2.596	5.18	2.13	6.93	9.53	23.98
5320	64	MCS9	0.422	7.37	4.63	9.22	9.64	23.98
		MCS10	0.770	7.13	4.32	8.96	9.73	23.98
		MCS11	1.071	6.86	4.04	8.69	9.76	23.98
		MCS12	1.317	6.33	3.72	8.22	9.54	23.98
		MCS13	1.748	5.99	3.37	7.88	9.63	23.98
		MCS14	2.088	5.79	3.04	7.64	9.73	23.98
		MCS15	2.222	5.42	2.86	7.33	9.55	23.98
		MCS16	2.367	5.53	2.71	7.36	9.73	23.98
		MCS17	2.596	5.15	2.45	7.02	9.62	23.98

802.11ac(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5500	100	MCS9	0.422	15.86	17.91	20.01	20.44	23.98
		MCS10	0.770	15.64	17.68	19.79	20.56	23.98
		MCS11	1.071	15.33	17.32	19.45	20.52	23.98
		MCS12	1.317	14.85	16.88	18.99	20.31	23.98
		MCS13	1.748	14.44	16.51	18.61	20.36	23.98
		MCS14	2.088	14.08	16.20	18.28	20.37	23.98
		MCS15	2.222	14.03	16.01	18.14	20.37	23.98
		MCS16	2.367	13.83	15.90	18.00	20.36	23.98
		MCS17	2.596	13.69	15.73	17.84	20.43	23.98
5580	116	MCS9	0.422	16.13	18.14	20.26	20.68	23.98
		MCS10	0.770	15.68	17.78	19.87	20.64	23.98
		MCS11	1.071	15.43	17.53	19.62	20.69	23.98
		MCS12	1.317	15.00	17.10	19.19	20.51	23.98
		MCS13	1.748	14.52	16.70	18.75	20.50	23.98
		MCS14	2.088	14.29	16.35	18.45	20.54	23.98
		MCS15	2.222	14.12	16.24	18.32	20.54	23.98
		MCS16	2.367	14.04	16.05	18.17	20.54	23.98
		MCS17	2.596	13.69	15.88	17.93	20.53	23.98
5720	144	MCS9	0.422	16.31	17.56	19.99	20.41	23.98
		MCS10	0.770	16.06	17.24	19.70	20.47	23.98
		MCS11	1.071	15.58	16.92	19.31	20.38	23.98
		MCS12	1.317	15.76	16.44	19.13	20.44	23.98
		MCS13	1.748	14.96	16.07	18.56	20.31	23.98
		MCS14	2.088	14.53	15.79	18.22	20.31	23.98
		MCS15	2.222	14.33	15.61	18.02	20.25	23.98
		MCS16	2.367	14.23	15.56	17.96	20.32	23.98
		MCS17	2.596	14.00	15.40	17.76	20.36	23.98

802.11ac(20MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5745	149	MCS9	0.422	19.07	20.06	22.61	23.03	30.00
		MCS10	0.770	18.73	19.84	22.33	23.10	30.00
		MCS11	1.071	18.55	19.58	22.11	23.18	30.00
		MCS12	1.317	18.18	19.13	21.69	23.00	30.00
		MCS13	1.748	17.68	18.84	21.31	23.06	30.00
		MCS14	2.088	17.37	18.54	21.00	23.09	30.00
		MCS15	2.222	17.21	18.32	20.81	23.03	30.00
		MCS16	2.367	17.14	18.20	20.71	23.08	30.00
		MCS17	2.596	16.99	18.00	20.53	23.13	30.00
5785	157	MCS9	0.422	18.96	19.63	22.32	22.74	30.00
		MCS10	0.770	18.75	19.14	21.96	22.73	30.00
		MCS11	1.071	18.37	18.89	21.65	22.72	30.00
		MCS12	1.317	17.96	18.57	21.29	22.60	30.00
		MCS13	1.748	17.72	18.18	20.97	22.72	30.00
		MCS14	2.088	17.19	17.83	20.53	22.62	30.00
		MCS15	2.222	17.22	17.70	20.48	22.70	30.00
		MCS16	2.367	17.09	17.63	20.38	22.74	30.00
		MCS17	2.596	16.92	17.40	20.18	22.77	30.00
5825	165	MCS9	0.422	18.90	18.99	21.95	22.38	30.00
		MCS10	0.770	18.66	18.42	21.55	22.32	30.00
		MCS11	1.071	18.46	18.33	21.40	22.48	30.00
		MCS12	1.317	18.05	17.91	20.99	22.31	30.00
		MCS13	1.748	17.70	17.53	20.62	22.37	30.00
		MCS14	2.088	17.45	17.29	20.38	22.47	30.00
		MCS15	2.222	17.27	17.17	20.23	22.45	30.00
		MCS16	2.367	17.20	16.93	20.07	22.44	30.00
		MCS17	2.596	17.01	16.77	19.90	22.50	30.00

Mod : 802.11ac(VHT40)

802.11ac(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5190	38	MCS10	0.797	7.40	2.18	8.54	9.34	23.98
		MCS11	1.385	6.88	2.02	8.10	9.49	23.98
		MCS12	1.804	6.22	1.34	7.44	9.24	23.98
		MCS13	2.130	5.96	1.08	7.18	9.31	23.98
		MCS14	2.663	5.50	0.52	6.70	9.36	23.98
		MCS15	2.944	5.21	0.31	6.43	9.37	23.98
		MCS16	3.110	5.06	0.18	6.28	9.39	23.98
		MCS17	3.227	4.93	0.12	6.17	9.40	23.98
		MCS18	3.441	4.79	-0.12	6.01	9.45	23.98
		MCS19	3.535	4.70	-0.20	5.92	9.46	23.98
5230	46	MCS10	0.797	7.38	2.66	8.64	9.44	23.98
		MCS11	1.385	7.08	2.42	8.36	9.75	23.98
		MCS12	1.804	6.40	1.87	7.71	9.51	23.98
		MCS13	2.130	6.06	1.60	7.39	9.52	23.98
		MCS14	2.663	5.54	1.07	6.87	9.53	23.98
		MCS15	2.944	5.55	0.81	6.81	9.75	23.98
		MCS16	3.110	5.15	0.66	6.47	9.58	23.98
		MCS17	3.227	5.11	0.58	6.42	9.65	23.98
		MCS18	3.441	4.88	0.24	6.17	9.61	23.98
		MCS19	3.535	4.78	0.10	6.05	9.59	23.98

802.11ac(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5270	54	MCS10	0.797	7.26	3.57	8.81	9.61	23.98
		MCS11	1.385	6.62	3.11	8.22	9.61	23.98
		MCS12	1.804	6.29	2.75	7.88	9.68	23.98
		MCS13	2.130	5.93	2.28	7.49	9.62	23.98
		MCS14	2.663	5.40	1.79	6.97	9.63	23.98
		MCS15	2.944	4.97	1.58	6.61	9.55	23.98
		MCS16	3.110	4.92	1.24	6.47	9.58	23.98
		MCS17	3.227	4.58	1.40	6.29	9.52	23.98
		MCS18	3.441	4.55	1.19	6.20	9.64	23.98
		MCS19	3.535	4.47	0.82	6.03	9.57	23.98
5310	62	MCS10	0.797	7.08	4.20	8.88	9.68	23.98
		MCS11	1.385	6.73	3.69	8.48	9.87	23.98
		MCS12	1.804	6.34	3.13	8.03	9.83	23.98
		MCS13	2.130	6.07	2.81	7.75	9.88	23.98
		MCS14	2.663	5.41	2.36	7.16	9.82	23.98
		MCS15	2.944	5.29	2.07	6.98	9.92	23.98
		MCS16	3.110	5.00	1.94	6.75	9.86	23.98
		MCS17	3.227	4.96	1.92	6.71	9.94	23.98
		MCS18	3.441	4.72	1.75	6.49	9.93	23.98
		MCS19	3.535	4.47	1.20	6.15	9.69	23.98

802.11ac(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5510	102	MCS10	0.797	14.71	17.41	19.28	20.08	23.98
		MCS11	1.385	14.39	16.84	18.80	20.18	23.98
		MCS12	1.804	14.00	16.42	18.38	20.19	23.98
		MCS13	2.130	13.56	16.07	18.00	20.13	23.98
		MCS14	2.663	13.15	15.55	17.53	20.19	23.98
		MCS15	2.944	12.82	15.21	17.19	20.14	23.98
		MCS16	3.110	12.71	15.17	17.12	20.23	23.98
		MCS17	3.227	12.42	15.19	17.03	20.26	23.98
		MCS18	3.441	12.31	14.85	16.77	20.21	23.98
		MCS19	3.535	12.08	14.76	16.63	20.17	23.98
5550	110	MCS10	0.797	14.94	17.51	19.42	20.22	23.98
		MCS11	1.385	14.49	17.05	18.97	20.35	23.98
		MCS12	1.804	13.88	16.64	18.49	20.29	23.98
		MCS13	2.130	13.64	16.34	18.21	20.34	23.98
		MCS14	2.663	12.95	15.86	17.66	20.32	23.98
		MCS15	2.944	12.90	15.45	17.37	20.32	23.98
		MCS16	3.110	12.60	15.34	17.19	20.30	23.98
		MCS17	3.227	12.68	15.31	17.20	20.43	23.98
		MCS18	3.441	12.31	15.04	16.90	20.34	23.98
		MCS19	3.535	12.20	14.97	16.81	20.35	23.98
5710	142	MCS10	0.797	15.35	16.80	19.15	19.95	23.98
		MCS11	1.385	14.92	16.23	18.63	20.02	23.98
		MCS12	1.804	14.56	15.91	18.30	20.10	23.98
		MCS13	2.130	13.97	15.57	17.85	19.98	23.98
		MCS14	2.663	13.52	14.99	17.33	19.99	23.98
		MCS15	2.944	13.26	14.77	17.09	20.03	23.98
		MCS16	3.110	13.12	14.64	16.96	20.07	23.98
		MCS17	3.227	13.08	14.42	16.81	20.04	23.98
		MCS18	3.441	12.85	14.21	16.59	20.03	23.98
		MCS19	3.535	12.76	14.12	16.50	20.04	23.98

802.11ac(40MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5755	151	MCS10	0.797	18.14	20.12	22.25	23.05	30.00
		MCS11	1.385	17.69	19.58	21.75	23.13	30.00
		MCS12	1.804	17.33	19.03	21.27	23.08	30.00
		MCS13	2.130	17.05	18.72	20.97	23.10	30.00
		MCS14	2.663	16.56	18.29	20.52	23.18	30.00
		MCS15	2.944	16.29	17.90	20.18	23.12	30.00
		MCS16	3.110	15.97	17.60	19.87	22.98	30.00
		MCS17	3.227	15.88	17.59	19.83	23.06	30.00
		MCS18	3.441	15.63	17.41	19.62	23.06	30.00
		MCS19	3.535	15.55	17.20	19.46	23.00	30.00
5795	159	MCS10	0.797	18.07	19.25	21.71	22.51	30.00
		MCS11	1.385	17.66	18.59	21.16	22.55	30.00
		MCS12	1.804	17.10	18.16	20.67	22.47	30.00
		MCS13	2.130	16.82	17.95	20.43	22.56	30.00
		MCS14	2.663	16.23	17.44	19.89	22.55	30.00
		MCS15	2.944	15.98	16.99	19.52	22.47	30.00
		MCS16	3.110	15.84	16.82	19.37	22.48	30.00
		MCS17	3.227	15.73	16.76	19.29	22.51	30.00
		MCS18	3.441	15.50	16.61	19.10	22.54	30.00
		MCS19	3.535	15.38	16.45	18.96	22.49	30.00

Mod : 802.11ac(VHT80)

802.11ac(80MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5210	42	MCS10	1.447	6.85	2.13	8.11	9.56	23.98
		MCS11	2.224	6.18	1.33	7.41	9.63	23.98
		MCS12	2.720	5.69	0.89	6.93	9.65	23.98
		MCS13	3.054	5.26	0.59	6.54	9.59	23.98
		MCS14	3.546	4.76	0.13	6.05	9.60	23.98
		MCS15	3.782	4.58	-0.15	5.84	9.62	23.98
		MCS16	3.890	4.39	-0.21	5.68	9.57	23.98
		MCS17	3.992	4.50	-0.27	5.75	9.74	23.98
		MCS18	4.113	4.35	-0.46	5.59	9.70	23.98
		MCS19	4.360	4.16	-0.73	5.38	9.74	23.98

802.11ac(80MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5290	58	MCS10	1.447	6.62	3.31	8.28	9.73	23.98
		MCS11	2.224	5.87	2.40	7.48	9.70	23.98
		MCS12	2.720	5.27	1.87	6.91	9.63	23.98
		MCS13	3.054	5.05	1.63	6.68	9.73	23.98
		MCS14	3.546	4.55	1.03	6.14	9.69	23.98
		MCS15	3.782	4.26	0.90	5.91	9.69	23.98
		MCS16	3.890	4.06	0.73	5.72	9.61	23.98
		MCS17	3.992	4.10	0.65	5.72	9.71	23.98
		MCS18	4.113	3.93	0.54	5.57	9.68	23.98
		MCS19	4.360	3.81	0.35	5.42	9.78	23.98

802.11ac(80MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5530	106	MCS10	1.447	14.50	16.68	18.74	20.18	23.98
		MCS11	2.224	13.71	15.96	17.99	20.22	23.98
		MCS12	2.720	13.35	15.35	17.47	20.19	23.98
		MCS13	3.054	13.00	15.08	17.17	20.23	23.98
		MCS14	3.546	12.45	14.52	16.62	20.16	23.98
		MCS15	3.782	12.23	14.33	16.41	20.19	23.98
		MCS16	3.890	11.94	14.15	16.19	20.08	23.98
		MCS17	3.992	12.01	14.22	16.26	20.26	23.98
		MCS18	4.113	11.63	14.09	16.04	20.16	23.98
		MCS19	4.360	11.58	13.81	15.85	20.21	23.98
5610	122	MCS10	1.447	14.63	16.60	18.74	20.18	23.98
		MCS11	2.224	13.84	15.82	17.95	20.17	23.98
		MCS12	2.720	13.21	15.30	17.39	20.11	23.98
		MCS13	3.054	12.99	14.99	17.11	20.16	23.98
		MCS14	3.546	12.44	14.51	16.61	20.15	23.98
		MCS15	3.782	12.29	14.33	16.44	20.22	23.98
		MCS16	3.890	12.15	14.10	16.24	20.13	23.98
		MCS17	3.992	12.14	14.08	16.22	20.22	23.98
		MCS18	4.113	11.96	13.91	16.06	20.17	23.98
		MCS19	4.360	11.86	13.86	15.98	20.34	23.98
5690	138	MCS10	1.447	14.80	16.19	18.56	20.01	23.98
		MCS11	2.224	14.12	15.45	17.84	20.07	23.98
		MCS12	2.720	13.68	14.92	17.35	20.07	23.98
		MCS13	3.054	13.27	14.53	16.96	20.01	23.98
		MCS14	3.546	12.81	14.14	16.53	20.08	23.98
		MCS15	3.782	12.56	13.92	16.30	20.08	23.98
		MCS16	3.890	12.31	13.77	16.11	20.00	23.98
		MCS17	3.992	12.31	13.74	16.10	20.09	23.98
		MCS18	4.113	12.08	13.52	15.87	19.99	23.98
		MCS19	4.360	11.97	13.37	15.74	20.10	23.98

802.11ac(80MHz) Mode		Rate (Mbps)	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
Frequency [MHz]	Channel No.			Internal Antenna	External Antenna	Sum		
5775	155	MCS10	1.447	17.44	18.52	21.02	22.47	30.00
		MCS11	2.224	16.75	17.80	20.31	22.54	30.00
		MCS12	2.720	16.18	17.42	19.85	22.57	30.00
		MCS13	3.054	15.96	17.02	19.53	22.59	30.00
		MCS14	3.546	15.39	16.54	19.01	22.56	30.00
		MCS15	3.782	15.18	16.37	18.82	22.61	30.00
		MCS16	3.890	15.05	16.13	18.63	22.52	30.00
		MCS17	3.992	15.04	16.19	18.67	22.66	30.00
		MCS18	4.113	14.92	15.98	18.49	22.61	30.00
		MCS19	4.360	14.78	15.87	18.37	22.73	30.00

10.4.3 TEST RESULTS(Straddle channels)

Internal Ant

Conducted Output Power Measurements (802.11a/n_HT20/ac_VHT20 Mode: UNII 2C Band 5720MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11a	5720	144	19.33	0.40	19.73	22.48
802.11n			18.79	0.62	19.41	22.16
802.11ac			19.09	0.42	19.51	22.38

Conducted Output Power Measurements (802.11a/n_HT20/ac_VHT20 Mode: UNII 3 Band 5720MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11a	5720	144	12.01	0.40	12.41	24.66
802.11n			12.22	0.62	12.84	25.34
802.11ac			12.41	0.42	12.83	24.88

Conducted Output Power Measurements (802.11n_HT40/ac_VHT40 Mode: UNII 2C Band 5710MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11n	5710	142	17.24	2.23	19.47	23.39
802.11ac			18.98	0.44	19.42	23.31

Conducted Output Power Measurements (802.11n_HT40/ac_VHT40 Mode: UNII 3 Band 5710MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11n	5710	142	5.66	2.23	7.89	21.06
802.11ac			7.22	0.44	7.66	21.54

Conducted Output Power Measurements (802.11ac_VHT80 Mode: UNII 2C Band 5690MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11ac	5690	138	15.99	3.73	19.72	23.56

Conducted Output Power Measurements (802.11ac_VHT80 Mode: UNII 3 Band 5690MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11ac	5690	138	2.35	3.73	6.08	19.63

External Ant

Conducted Output Power Measurements (802.11a/n_HT20/ac_VHT20 Mode: UNII 2C Band 5720MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11a	5720	144	19.25	0.40	19.65	22.67
802.11n			19.12	0.43	19.55	22.61
802.11ac			19.88	0.61	20.49	22.55

Conducted Output Power Measurements (802.11a/n_HT20/ac_VHT20 Mode: UNII 3 Band 5720MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11a	5720	144	11.93	0.40	12.33	24.15
802.11n			12.36	0.43	12.79	24.33
802.11ac			13.12	0.61	13.73	24.48

Conducted Output Power Measurements (802.11n_HT40/ac_VHT40 Mode: UNII 2C Band 5710MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11n	5710	142	19.52	0.81	20.33	23.41
802.11ac			17.69	2.80	20.49	23.42

Conducted Output Power Measurements (802.11n_HT40/ac_VHT40 Mode: UNII 3 Band 5710MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11n	5710	142	3.50	0.81	4.31	20.92
802.11ac			6.02	2.80	8.82	20.83

Conducted Output Power Measurements (802.11ac_VHT80 Mode: UNII 2C Band 5690MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11ac	5690	138	18.10	2.79	20.89	23.68

Conducted Output Power Measurements (802.11ac_VHT80 Mode: UNII 3 Band 5690MHz)

Mode	Frequency [MHz]	Channel No.	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11ac	5690	138	3.74	2.79	6.53	18.22

10.5 POWER SPECTRAL DENSITY

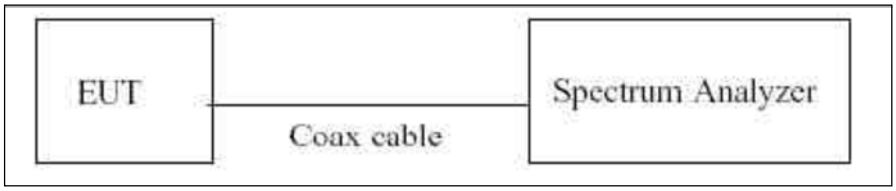
The peak power density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

▣ Limit

Power Spectral Density

Band	Mode	Limit
UNII 1	802.11a,n,ac	11 dBm/MHz
UNII 2A	802.11a,n,ac	11 dBm/MHz
UNII 2C	802.11a,n,ac	11 dBm/MHz
UNII 3	802.11a,n,ac	30 dBm/500 kHz

▣ TEST CONFIGURATION



▣ TEST PROCEDURE

We tested according to Method in KDB 789033 D02 v02r01.

The spectrum analyzer is set to :

1. Set span to encompass the entire emission bandwidth(EBW) of the signal.
2. RBW = 1 MHz(510 kHz for UNII 3)
3. VBW ≥ 3 MHz
4. Number of points in sweep ≥ 2*span/RBW.
5. Sweep time = auto.
6. Detector = RMS(i.e., power averaging), if available. Otherwise, use sample detector mode.
7. Do not use sweep triggering. Allow the sweep to “free run”.
8. Trace average at least 100 traces in power averaging(RMS) mode
9. Use the peak search function on the spectrum analyzer to find the peak of the spectrum.
10. If Method SA-2 was used, add 10 log(1/x), where x is the duty cycle, to the peak of the spectrum.

▣ SAMPLE CALCULATION

PSD = Reading Value + ATT loss + Cable loss(1 ea) + Duty Cycle Factor

Ex) PSD = -3 dBm + 10 dB + 0.8 dB + 0.2 dB = 8.0 dBm

Note :

1. Spectrum reading values are not plot data. The PSD results in plot is already including the actual values of loss for the attenuator and cable combination.
2. Spectrum offset = Attenuator loss + Cable loss
3. We apply to the offset in the 5.2 GHz, 5.3 GHz and 5.6 GHz range that was rounded off to the closest tenth dB. Actual value of loss for the attenuator and cable combination is below table.

Internal

Band	Loss(dB)
UNII 1, 2A	12
UNII 2C	12.1
UNII 3	12.2

External

Band	Loss(dB)
UNII 1, 2A	13.2
UNII 2C	16.2
UNII 3	15.4

(Actual value of loss for the attenuator and cable combination)

Internal Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5180	36	802.11a	-0.434	0.214	-0.220	11	Pass
5200	40		-0.342	0.214	-0.128	11	Pass
5240	48		-0.188	0.312	0.124	11	Pass
5260	52		-0.579	0.398	-0.181	11	Pass
5300	60		-0.361	0.398	0.037	11	Pass
5320	64		-0.400	0.398	-0.002	11	Pass

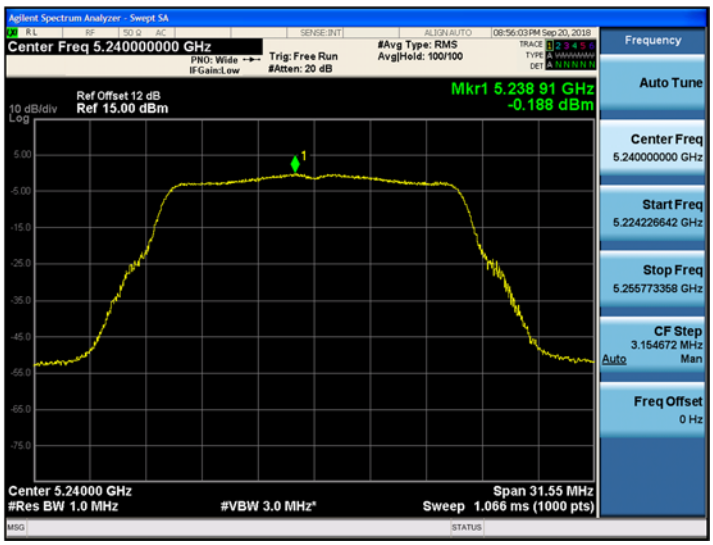
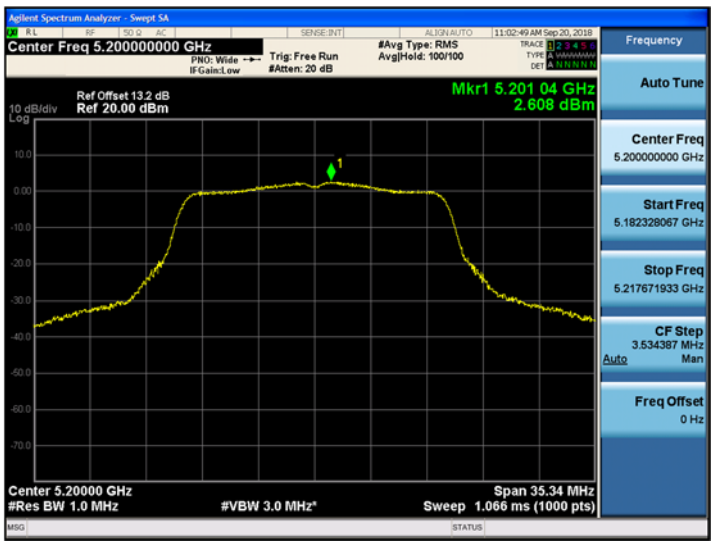
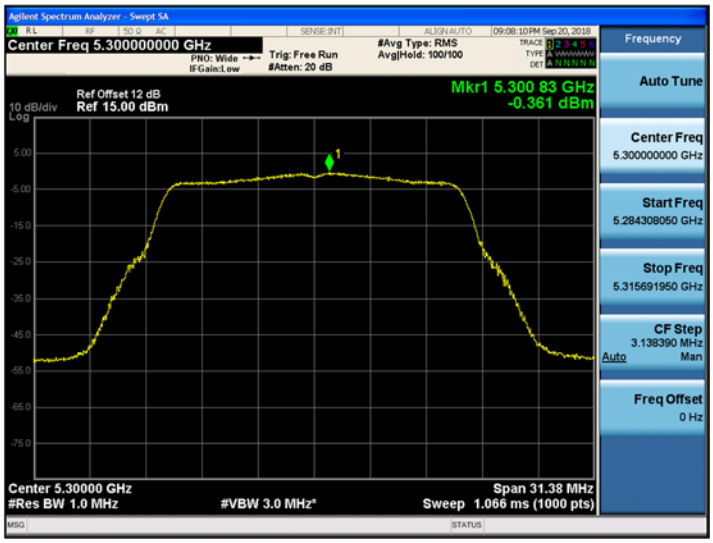
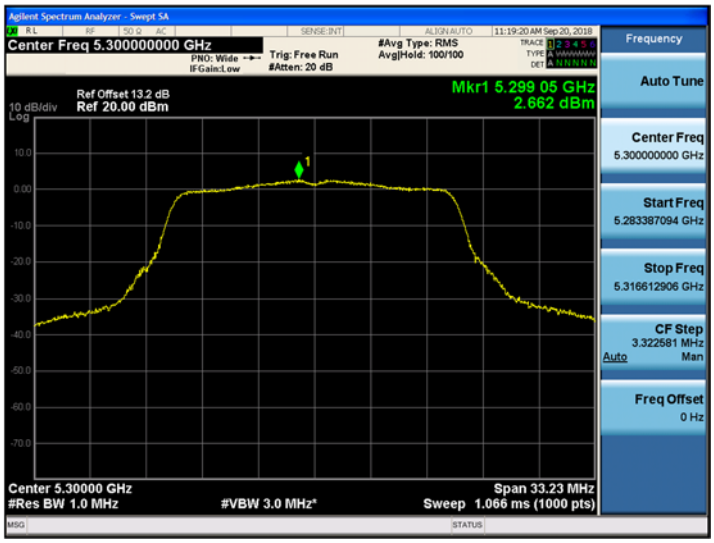
External Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5180	36	802.11a	2.041	0.401	2.442	11	Pass
5200	40		2.608	0.315	2.923	11	Pass
5240	48		2.118	0.401	2.519	11	Pass
5260	52		1.987	0.209	2.196	11	Pass
5300	60		2.662	0.209	2.871	11	Pass
5320	64		2.037	0.315	2.352	11	Pass

▣ TEST Plot for 802.11a 20 MHz BW

802.11a UNII 1 BAND PSD CH 48_Internal Ant	802.11a UNII 1 BAND PSD CH 40_External Ant
	
802.11a UNII 2A BAND PSD CH 60_Internal Ant	**802.11a UNII 2A BAND PSD CH 60_External Ant**
	

Internal Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5180	36	802.11n 20MHz BW	-0.996	0.427	-0.569	11	Pass
5200	40		-0.889	0.427	-0.462	11	Pass
5240	48		-0.921	0.622	-0.299	11	Pass
5260	52		-0.978	0.427	-0.551	11	Pass
5300	60		-1.053	0.427	-0.626	11	Pass
5320	64		-1.131	0.622	-0.509	11	Pass

External Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5180	36	802.11n 20MHz BW	-0.171	1.487	1.316	11	Pass
5200	40		2.189	0.616	2.805	11	Pass
5240	48		1.572	0.229	1.801	11	Pass
5260	52		2.033	0.616	2.649	11	Pass
5300	60		2.044	0.229	2.273	11	Pass
5320	64		2.136	0.616	2.752	11	Pass

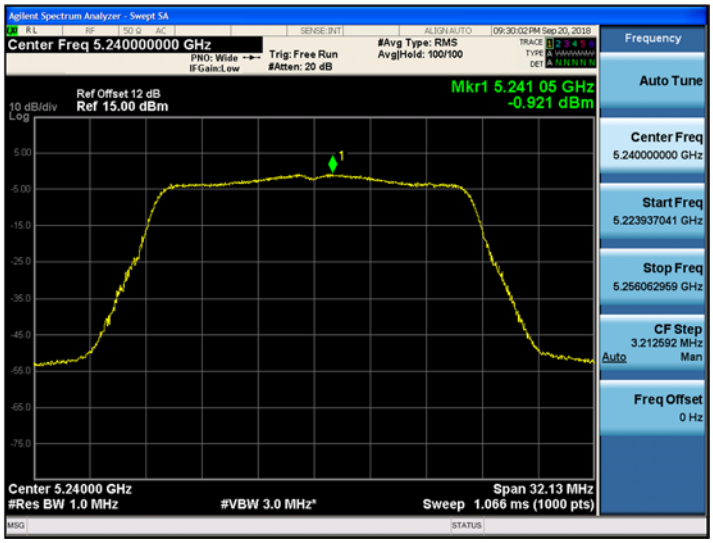
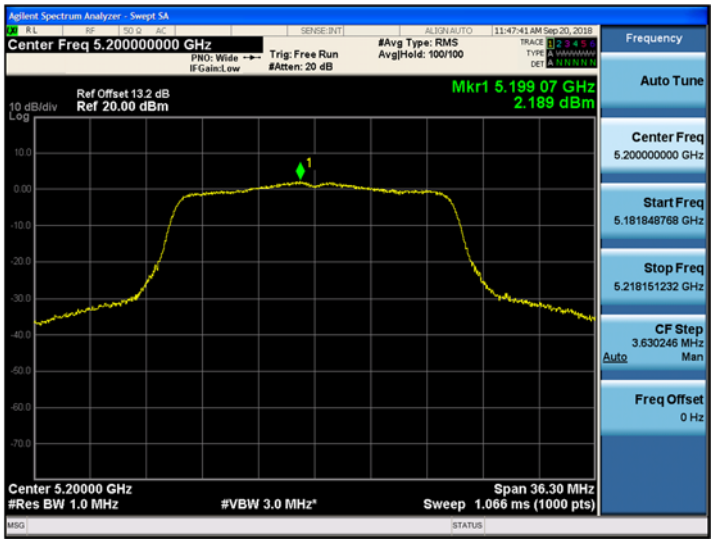
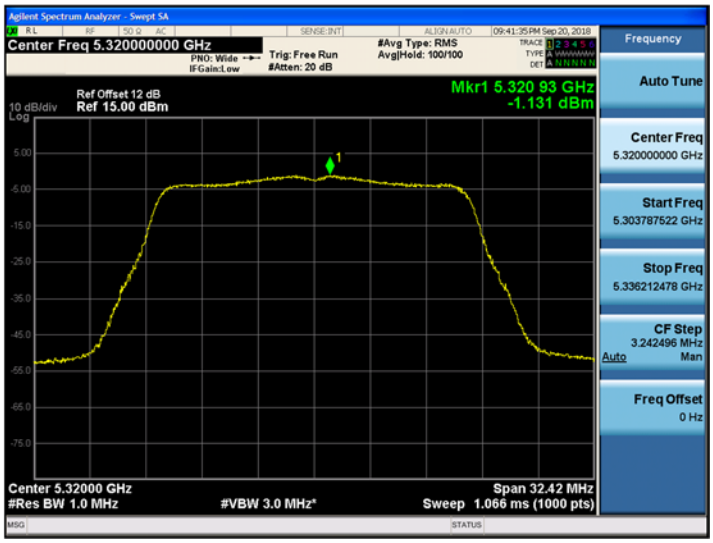
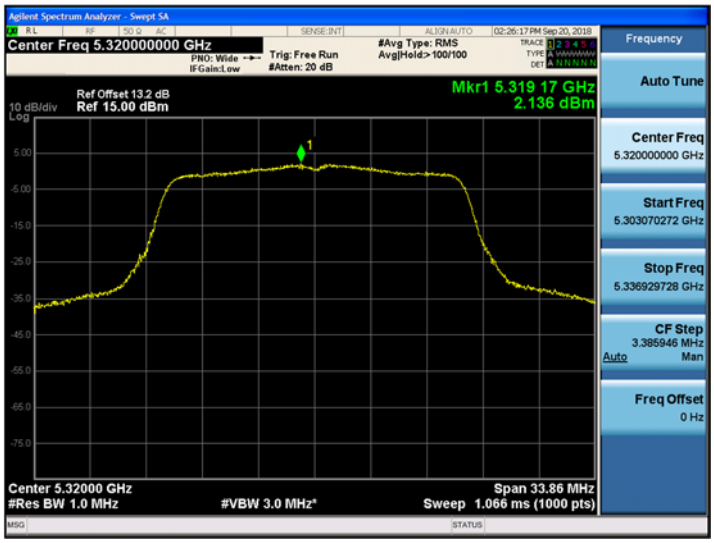
▣ **Sum Data of Internal Ant and External Ant**

▣ **TEST RESULTS**

Conducted Power Density Measurements

Mode	Frequency [MHz]	Channel No.	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
				Internal Antenna	External Antenna	Sum		
802.11n (HT20)	5180	36	1.084	-3.934	-8.396	-2.61	-1.52	11.00
	5200	40	1.084	-3.635	-8.209	-2.34	-1.25	11.00
	5240	48	1.084	-3.459	-8.062	-2.17	-1.08	11.00
	5260	52	0.781	-2.918	-6.774	-1.42	-0.64	11.00
	5300	60	1.784	-5.141	-6.475	-2.75	-0.96	11.00
	5320	64	1.084	-3.439	-6.063	-1.55	-0.46	11.00

▣ TEST Plot for 802.11n_HT20

802.11n_HT20 UNII 1 BAND PSD CH 48_Internal Ant	802.11n_HT20 UNII 1 BAND PSD CH 40_External Ant
	
802.11n_HT20 UNII 2A BAND PSD CH 64_Internal Ant	**802.11n_HT20 UNII 2A BAND PSD CH 64_External Ant**
	

Internal Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5180	36	802.11ac 20MHz BW	-1.076	0.424	-0.652	11	Pass
5200	40		-1.063	0.615	-0.448	11	Pass
5240	48		-0.778	0.615	-0.163	11	Pass
5260	52		-0.746	0.424	-0.322	11	Pass
5300	60		-0.666	0.424	-0.242	11	Pass
5320	64		-0.508	0.214	-0.294	11	Pass

External Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5180	36	802.11ac 20MHz BW	1.709	0.423	2.132	11	Pass
5200	40		1.685	0.607	2.292	11	Pass
5240	48		1.692	0.423	2.115	11	Pass
5260	52		2.040	0.607	2.647	11	Pass
5300	60		1.568	0.607	2.175	11	Pass
5320	64		1.393	0.214	1.607	11	Pass

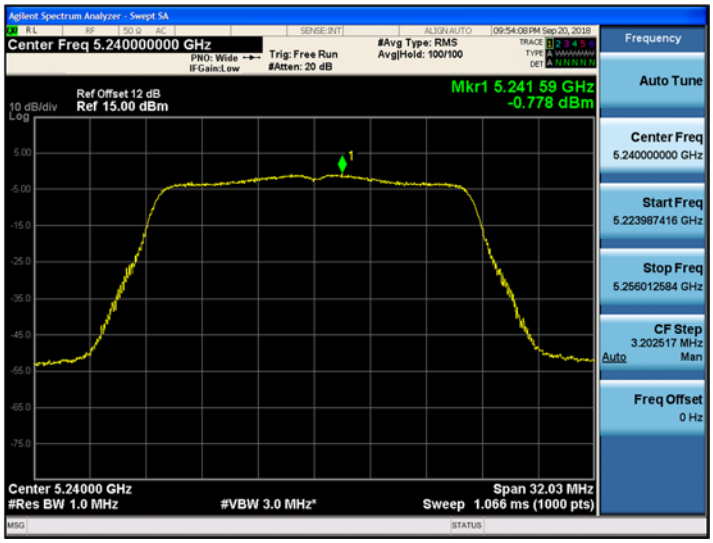
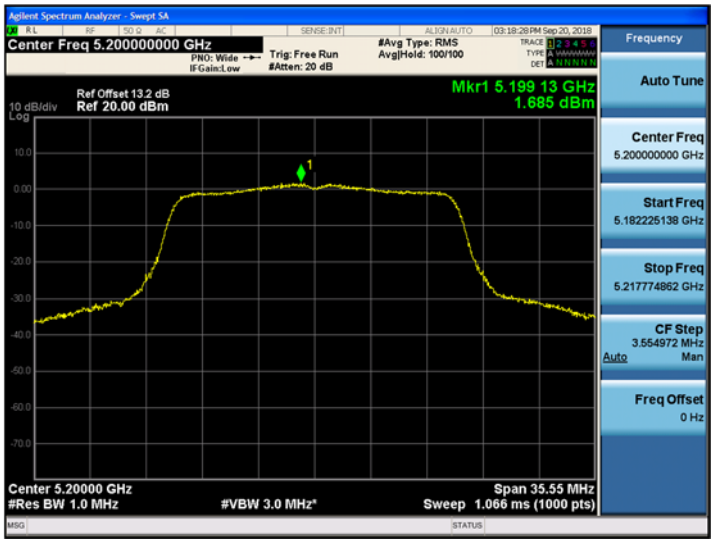
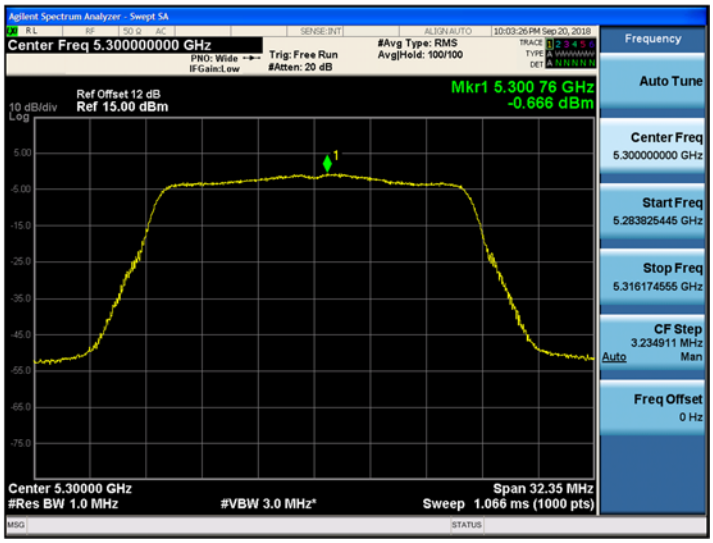
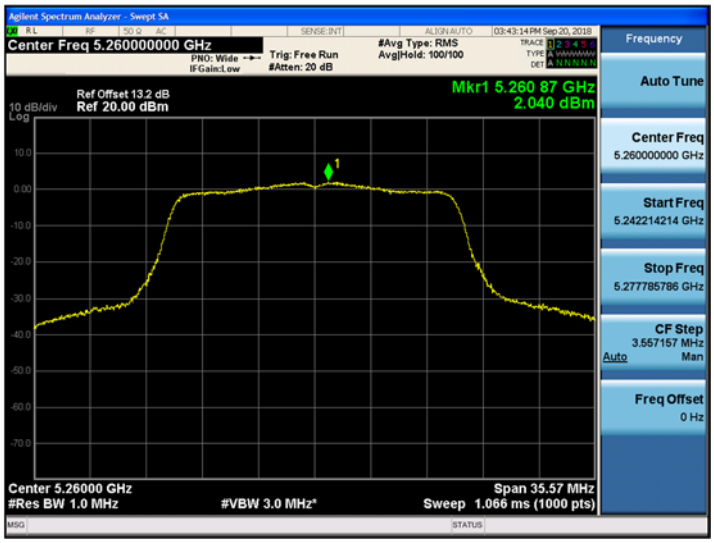
▣ **Sum Data of Internal Ant and External Ant**

▣ **TEST RESULTS**

Conducted Power Density Measurements

Mode	Frequency [MHz]	Channel No.	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
				Internal Antenna	External Antenna	Sum		
802.11ac (VHT20)	5180	36	1.071	-3.466	-9.273	-2.45	-1.38	11.00
	5200	40	1.317	-3.478	-8.215	-2.22	-0.90	11.00
	5240	48	1.071	-3.469	-7.648	-2.06	-0.99	11.00
	5260	52	0.770	-3.051	-6.624	-1.47	-0.70	11.00
	5300	60	0.422	-2.711	-6.088	-1.07	-0.65	11.00
	5320	64	2.088	-3.447	-8.151	-2.18	-0.09	11.00

▣ TEST Plot for 802.11ac_VHT20

802.11ac_VHT20 UNII 1 BAND PSD CH 48_Internal Ant	802.11ac_VHT20 UNII 1 BAND PSD CH 40_External Ant
	
802.11ac_VHT20 UNII 2A BAND PSD CH 60_Internal Ant	**802.11ac_VHT20 UNII 2A BAND PSD CH 52_External Ant**
	

Internal Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5190	38	802.11n 40MHz BW	-5.987	2.360	-3.627	11	Pass
5230	46		-5.801	2.360	-3.441	11	Pass
5270	54		-5.040	1.128	-3.912	11	Pass
5310	62		-4.580	0.810	-3.770	11	Pass

External Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5190	38	802.11n 40MHz BW	-3.792	2.525	-1.267	11	Pass
5230	46		-2.749	1.877	-0.872	11	Pass
5270	54		-2.628	1.877	-0.751	11	Pass
5310	62		-2.343	2.525	0.182	11	Pass

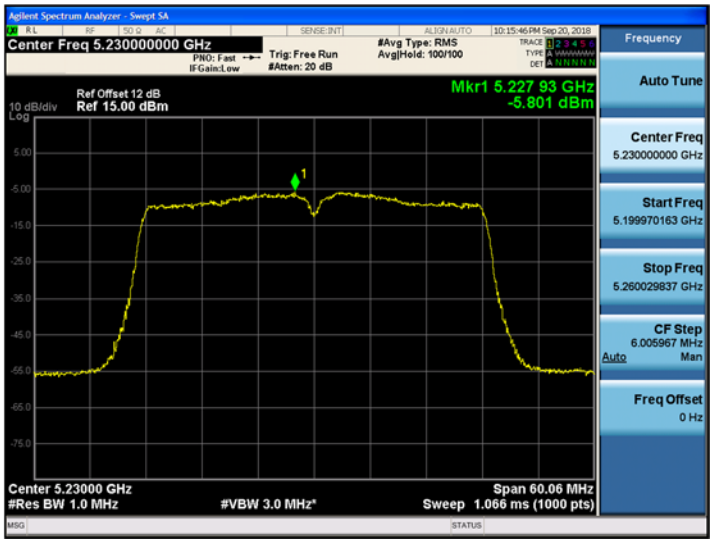
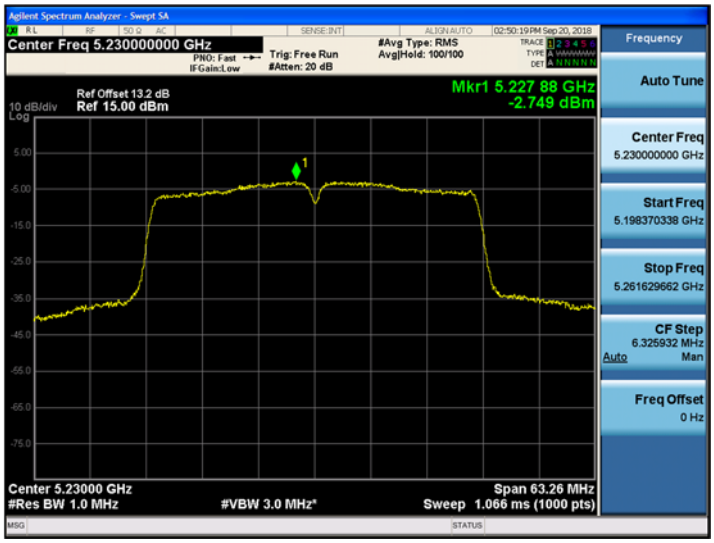
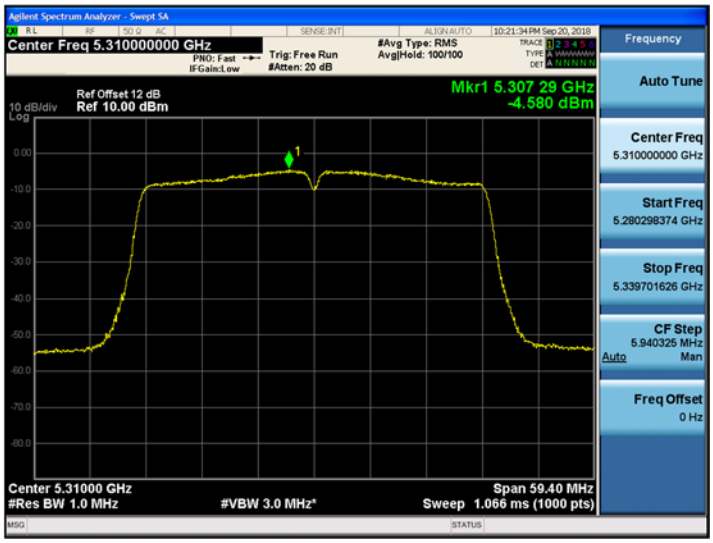
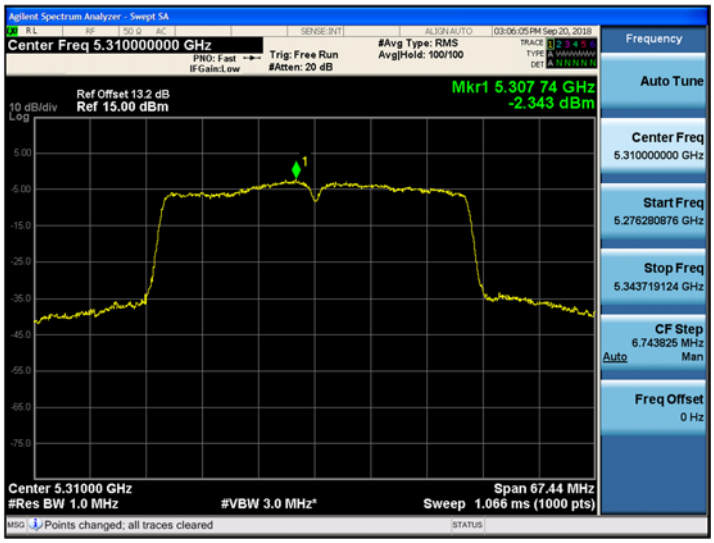
▣ **Sum Data of Internal Ant and External Ant**

▣ **TEST RESULTS**

Conducted Power Density Measurements

Mode	Frequency [MHz]	Channel No.	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
				Internal Antenna	External Antenna	Sum		
802.11n (HT40)	5190	38	2.173	-7.113	-13.901	-6.29	-4.11	11.00
	5230	46	2.724	-6.671	-11.852	-5.52	-2.80	11.00
	5270	54	2.173	-6.821	-10.452	-5.26	-3.08	11.00
	5310	62	3.319	-7.646	-10.595	-5.86	-2.55	11.00

▣ TEST Plot for 802.11n_HT40

802.11n_HT40 UNII 1 BAND PSD CH 46_Internal Ant	802.11n_HT40 UNII 1 BAND PSD CH 46_External Ant
	
802.11n_HT40 UNII 2A BAND PSD CH 62_Internal Ant	**802.11n_HT40 UNII 2A BAND PSD CH 62_External Ant**
	

Internal Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5190	38	802.11ac 40MHz BW	-5.646	1.838	-3.808	11	Pass
5230	46		-4.378	0.807	-3.571	11	Pass
5270	54		-4.695	0.807	-3.888	11	Pass
5310	62		-4.694	1.123	-3.571	11	Pass

External Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5190	38	802.11ac 40MHz BW	-2.596	1.838	-0.758	11	Pass
5230	46		-2.165	1.838	-0.327	11	Pass
5270	54		-1.211	0.439	-0.772	11	Pass
5310	62		-2.056	1.389	-0.667	11	Pass

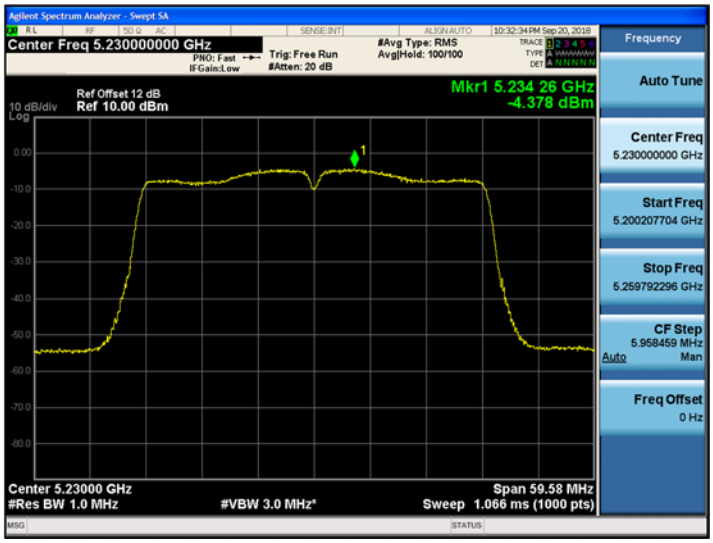
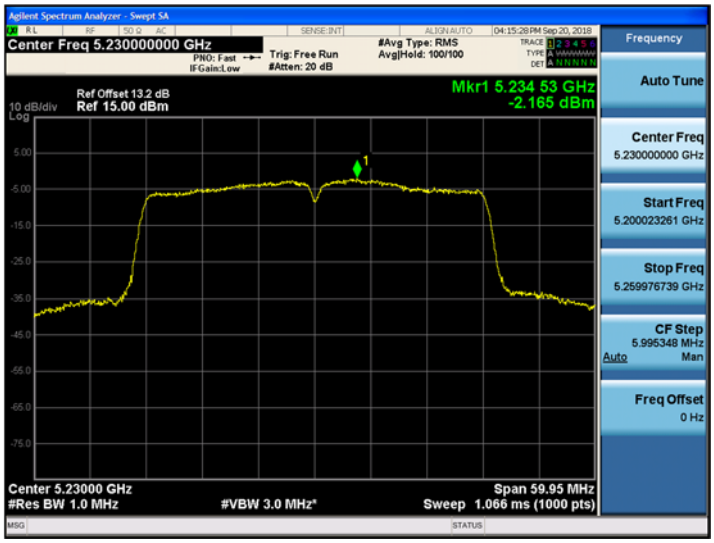
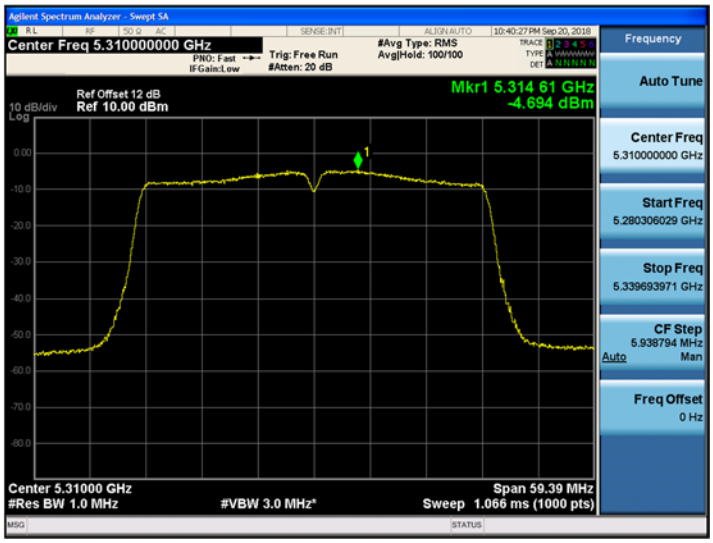
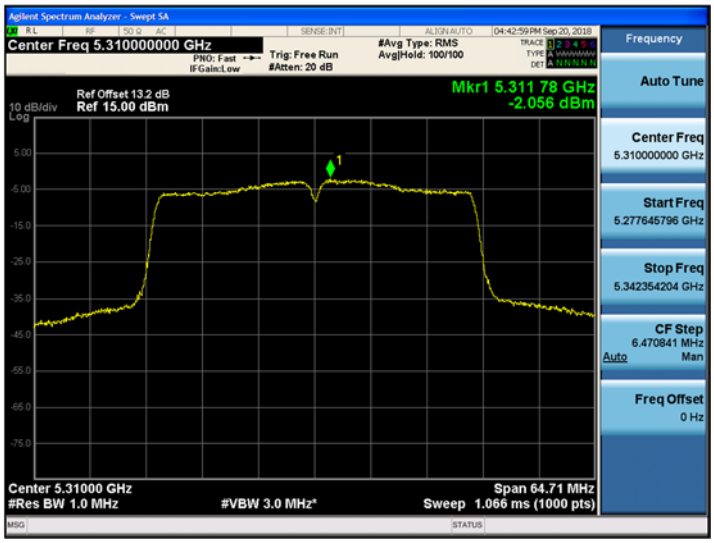
▣ **Sum Data of Internal Ant and External Ant**

▣ **TEST RESULTS**

Conducted Power Density Measurements

Mode	Frequency [MHz]	Channel No.	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
				Internal Antenna	External Antenna	Sum		
802.11ac (VHT40)	5190	38	1.385	-6.405	-10.973	-5.10	-3.72	11.00
	5230	46	2.944	-7.696	-10.418	-5.84	-2.89	11.00
	5270	54	3.441	-6.625	-11.787	-5.47	-2.03	11.00
	5310	62	3.441	-7.752	-11.032	-6.08	-2.64	11.00

▣ TEST Plot for 802.11ac_VHT40

802.11ac_VHT40 UNII 1 BAND PSD CH 46_Internal Ant	802.11ac_VHT40 UNII 1 BAND PSD CH 46_External Ant
	
802.11ac_VHT40 UNII 2A BAND PSD CH 62_Internal Ant	**802.11ac_VHT40 UNII 2A BAND PSD CH 62_External Ant**
	

Internal Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5210	42	802.11ac 80MHz BW	-10.477	3.729	-6.748	11	Pass
5290	58		-10.858	3.729	-7.129	11	Pass

External Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor (dB)	Limit (dBm)	Pass/Fail
5210	42	802.11ac 80MHz BW	-5.064	1.936	-3.128	11	Pass
5290	58		-5.153	0.861	-4.292	11	Pass

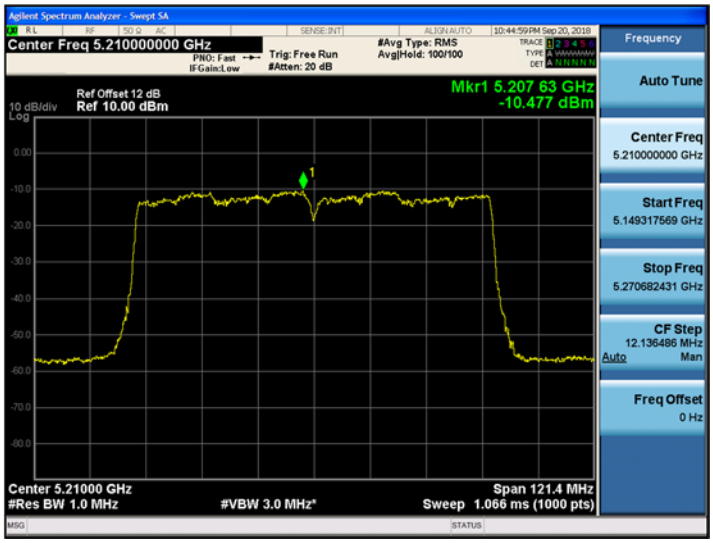
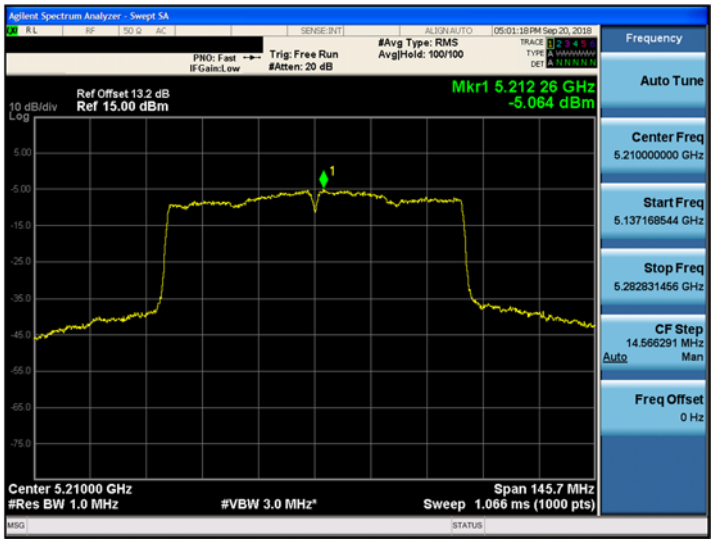
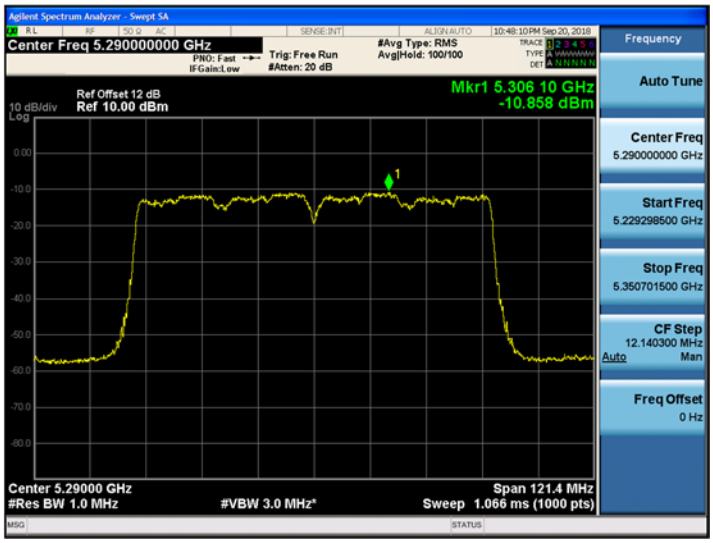
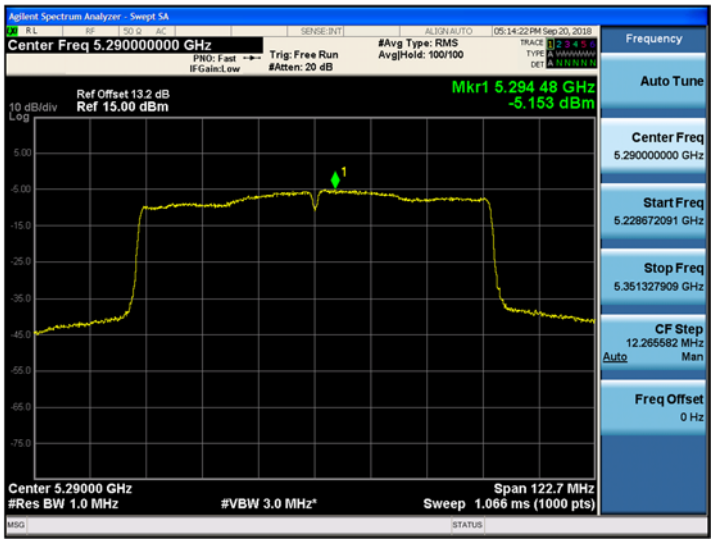
▣ **Sum Data of Internal Ant and External Ant**

▣ **TEST RESULTS**

Conducted Power Density Measurements

Mode	Frequency [MHz]	Channel No.	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
				Internal Antenna	External Antenna	Sum		
802.11ac (VHT80)	5210	42	4.360	-12.368	-16.863	-11.05	-6.69	11.00
	5290	58	4.360	-11.718	-12.975	-9.29	-4.93	11.00

▣ TEST Plot for 802.11ac_VHT80

802.11ac_VHT80 UNII 1 BAND PSD CH 42_Internal Ant	802.11ac_VHT80 UNII 1 BAND PSD CH 42_External Ant
	
802.11ac_VHT80 UNII 2A BAND PSD CH 58_Internal Ant	**802.11ac_VHT80 UNII 2A BAND PSD CH 58_External Ant**
	

Internal Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5500	100	802.11a	8.179	0.398	8.577	11	Pass
5580	116		9.549	0.398	9.947		Pass
5720	144		9.689	0.398	10.087		Pass
5745	149		6.690	0.398	7.088	30	Pass
5785	157		6.900	0.214	7.114		Pass
5825	165		7.054	0.398	7.452		Pass

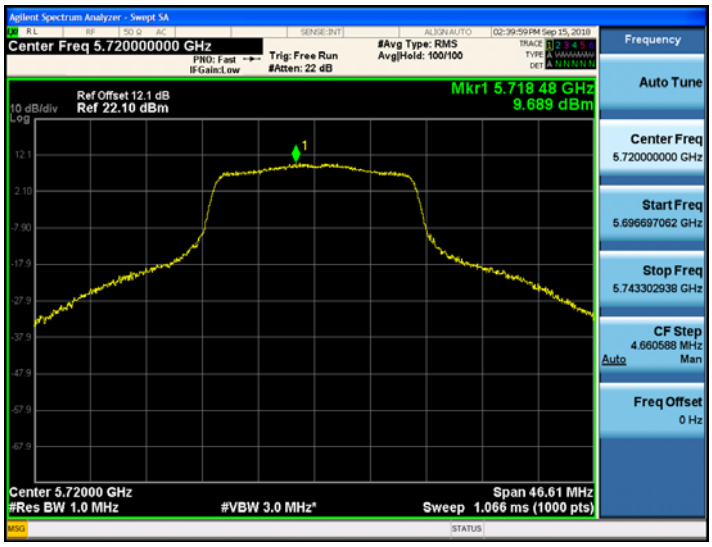
External Ant

▣ TEST RESULTS

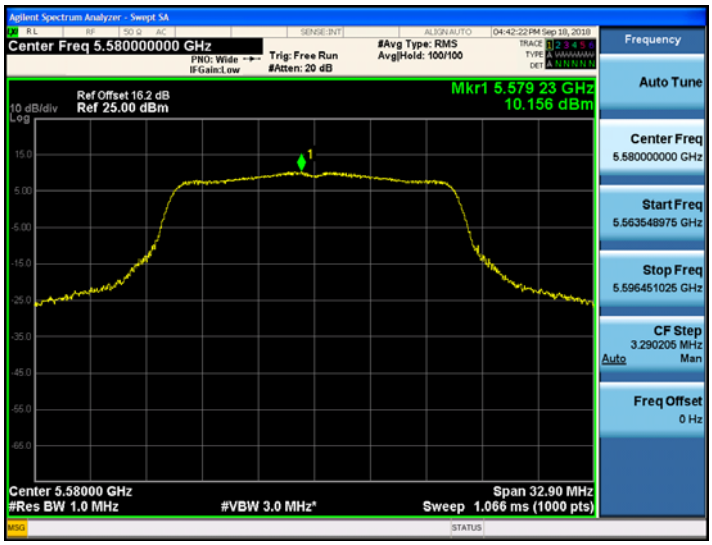
Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5500	100	802.11a	10.142	0.209	10.351	11	Pass
5580	116		10.156	0.315	10.471		Pass
5720	144		9.379	0.401	9.780		Pass
5745	149		7.762	0.315	8.077	30	Pass
5785	157		7.033	0.209	7.242		Pass
5825	165		6.083	0.401	6.484		Pass

▣ TEST Plot for 802.11a 20MHz BW_Internal Ant

802.11a UNII 2C BAND PSD CH 144	802.11a UNII 3 BAND PSD CH 165
	

▣ TEST Plot for 802.11a 20MHz BW_External Ant

802.11a UNII 2C BAND PSD CH 116	802.11a UNII 3 BAND PSD CH 149
	

Internal Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5500	100	802.11n_ HT20	7.547	0.622	8.169	11	Pass
5580	116		7.234	1.489	8.723		Pass
5720	144		9.143	0.622	9.765		Pass
5745	149		6.299	0.427	6.726	30	Pass
5785	157		6.584	0.622	7.206		Pass
5825	165		4.716	1.489	6.205		Pass

External Ant

▣ TEST RESULTS

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5500	100	802.11n_ HT20	9.497	0.616	10.113	11	Pass
5580	116		9.989	0.229	10.218		Pass
5720	144		9.202	0.426	9.628		Pass
5745	149		7.039	0.426	7.465	30	Pass
5785	157		6.025	0.616	6.641		Pass
5825	165		4.229	1.605	5.834		Pass

▣ **Sum Data of Internal Ant and External Ant**

▣ **TEST RESULTS**

Conducted Power Density Measurements

Mode	Frequency [MHz]	Channel No.	Duty Cycle Factor (dB)	Measured Power [dBm]			Result (dBm)	Limit (dBm)
				Internal Antenna	External Antenna	Sum		
802.11n (HT20)	5500	100	1.084	5.609	7.173	9.47	10.56	11.00
	5580	116	0.781	5.474	7.244	9.46	10.24	11.00
	5720	144	0.781	5.845	6.555	9.22	10.01	11.00
	5745	149	2.270	3.972	4.377	7.19	9.46	30.00
	5785	157	0.781	6.419	6.083	9.26	10.05	30.00
	5825	165	2.137	4.166	3.185	6.71	8.85	30.00