

8.4 OUTPUT POWER MEASUREMENT

Test Requirements and limit, §15.407(a)(1) & RSS-210

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

1. Maximum Conducted Output Power(for FCC)

Service Port

Operating Mode	Band	Mode	Ant. Port	Ant. Gain (dBi)	Limit (dBm)
SISO	UNII 1	802.11a,n,ac	0	6.49	23.49
			1	6.36	23.62
			2	5.95	23.98
	UNII 2A	802.11a,n,ac	0	6.76	23.22
			1	6.24	23.74
			2	5.9	23.98
	UNII 2C	802.11a,n,ac	0	6.34	23.64
			1	5.71	23.98
			2	5.69	23.98
	UNII 3	802.11a,n,ac	0	6.17	29.83
			1	5.46	30.00
			2	4.78	30.00
MIMO(2 TX)	UNII 1	802.11a,n,ac	0 & 1	9.44	20.54
	UNII 2A	802.11a,n,ac	0 & 1	9.51	20.47
	UNII 2C	802.11a,n,ac	0 & 1	9.04	20.94
	UNII 3	802.11a,n,ac	0 & 1	8.83	27.17
MIMO(3 TX)	UNII 1	802.11a,n,ac	0 & 1 & 2	11.04	18.94
	UNII 2A	802.11a,n,ac	0 & 1 & 2	11.08	18.90
	UNII 2C	802.11a,n,ac	0 & 1 & 2	10.69	19.29
	UNII 3	802.11a,n,ac	0 & 1 & 2	10.26	25.74

Monitoring Port

Operating Mode	Band	Mode	Ant. Port	Ant. Gain (dBi)	Limit (dBm)
MIMO(3 TX)	UNII 1	802.11a	0 & 1 & 2	11.86	18.12
	UNII 2A	802.11a	0 & 1 & 2	11.81	18.17
	UNII 2C	802.11a	0 & 1 & 2	12.18	17.80
	UNII 3	802.11a	0 & 1 & 2	10.26	25.74

Note :1. If all antenna gains are not equal,

$$\text{Directional gain} = 10 \cdot \log\left[\frac{10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20}}{N}\right]^2 \text{ dBi}$$

(according to KDB662911 D01 v02r01)

- Above the limits is calculated according to antenna gain. Because antenna gain is higher than 6 dBi.

2. Maximum Conducted Output Power (for IC) :

Service Port

Operating Mode	Band	Mode	Ant. Port	Ant. Gain (dBi)	20 MHz BW Limit (dBm)	40 & 80 MHz BW Limit (dBm)
SISO	UNII 1	802.11a,n,ac	0	6.49	15.72	16.52
			1	6.36	15.85	16.65
			2	5.95	16.26	17.06
	UNII 2A	802.11a,n,ac	0	6.76	22.44	23.22
			1	6.24	22.98	23.74
			2	5.9	23.21	23.98
	UNII 2C	802.11a,n,ac	0	6.34	22.87	23.64
			1	5.71	23.21	23.98
			2	5.69	23.21	23.98
	UNII 3	802.11a,n,ac	0	6.17	29.83	29.83
			1	5.46	30.00	30.00
			2	4.78	30.00	30.00
MIMO(2 TX)	UNII 1	802.11a,n,ac	0 & 1	9.44	12.77	13.57
	UNII 2A	802.11a,n,ac	0 & 1	9.51	19.69	20.47
	UNII 2C	802.11a,n,ac	0 & 1	9.04	20.17	20.94
	UNII 3	802.11a,n,ac	0 & 1	8.83	27.17	27.17
MIMO(3 TX)	UNII 1	802.11a,n,ac	0 & 1 & 2	11.04	11.17	11.84
	UNII 2A	802.11a,n,ac	0 & 1 & 2	11.08	18.12	18.90
	UNII 2C	802.11a,n,ac	0 & 1 & 2	10.69	18.52	19.29
	UNII 3	802.11a,n,ac	0 & 1 & 2	10.26	25.74	25.74

Monitoring Port

Operating Mode	Band	Mode	Ant. Port	Ant. Gain (dBi)	Limit (dBm)
MIMO(3 TX)	UNII 1	802.11a	0 & 1 & 2	11.86	10.34
	UNII 2A	802.11a	0 & 1 & 2	11.81	18.17
	UNII 2C	802.11a	0 & 1 & 2	12.18	17.80
	UNII 3	802.11a	0 & 1 & 2	10.26	25.74

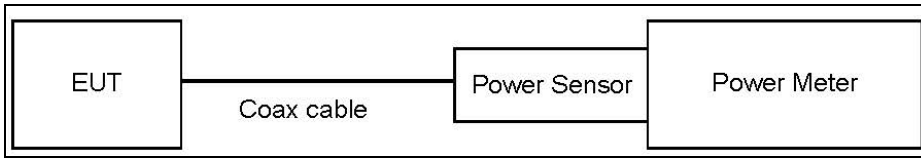
Note :1. If all antenna gains are not equal,

$$\text{Directional gain} = 10 \cdot \log\left[\frac{(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2}{N}\right] \text{ dBi}$$

(according to KDB662911 D01 v02r01)

2. Above the limits is calculated according to antenna gain. Because antenna gain is higher than 6 dBi.
3. Limit of UNII1 and UNII3 for IC is used the conducted level.
 - Limit : e.i.r.p. limit – Antenna Gain
4. The limits of maximum conducted power were applied the antenna gain. Therefore, if conducted power is pass, e.i.r.p. is also pass. So, we attached only conducted power table.

■ **TEST CONFIGURATION(20 MHz BW)**



■ **TEST PROCEDURE(20 MHz BW)**

- Average Power (Procedure E.3.a in KDB 789033, issued 01/08/2016).
 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.

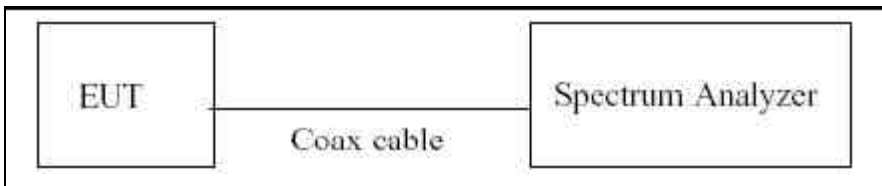
Note :

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

Band	Loss(dB)
UNII 1, 2A, 2C, 3	12.0

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

■ **TEST CONFIGURATION(40 MHz BW & 80 MHz BW)**



■ **TEST PROCEDURE(40 MHz BW & 80 MHz BW)**

The transmitter output is connected to the Spectrum Analyzer. We use the spectrum analyzer's integrated band power measurement function. We tested according to Method SA-2 in KDB 789033(issued 01/08/2016).

The Spectrum Analyzer is set to

- Average Power
 1. Measure the duty cycle.
 2. Set span to encompass the 26 dB EBW of the signal.

3. RBW = 1 MHz.
4. VBW ≥ 3 MHz.
5. Number of points in sweep ≥ 2*span/RBW.
6. Sweep time = auto.
7. Detector = RMS.
8. Do not use sweep triggering. Allow the sweep to “free run”.
9. Trace average at least 100 traces in power averaging(RMS) mode
10. Integrated bandwidth = OBW
11. 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.

Note :

1. We apply to the offset in the UNII 2A/2C band that was rounded off to the closest tenth dB. Actual value of loss for the attenuator and cable combination is below table. We used the particular cable type that is supported by manufacture.

Band	Loss(dB)
UNII 1, 2A, 2C, 3	12.0

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

■ **Sample Calculation (Conducted)**

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

■ **Sample Calculation (EIRP)**

Output Power = Reading Value + ATT loss + Cable loss(1 ea) + Duty Cycle Factor + Ant. Gain

8.4.1 TRANSMIT POWER CONTROL(TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The

U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

TPC is required as the device operates at above 500 mW EIRP and This UNII device comply the FCC TPC requirement.

802.11a_20MHz BW (UNII 1) Monitoring Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5180~5240)

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	3.07	0.22	3.28	10.34
		9	3.09	0.21	3.30	10.34
		12	3.32	0.20	3.52	10.34
		18	3.17	0.21	3.38	10.34
		24	3.29	0.24	3.53	10.34
		36	3.07	0.28	3.35	10.34
		48	3.25	0.35	3.60	10.34
		54	2.99	0.39	3.38	10.34
5200	40	6	2.99	0.22	3.21	10.34
		9	3.17	0.21	3.39	10.34
		12	3.02	0.20	3.22	10.34
		18	3.03	0.21	3.25	10.34
		24	3.01	0.24	3.25	10.34
		36	3.10	0.28	3.37	10.34
		48	2.98	0.35	3.33	10.34
		54	2.86	0.39	3.24	10.34
5240	48	6	2.94	0.22	3.15	10.34
		9	2.72	0.21	2.93	10.34
		12	2.83	0.20	3.03	10.34
		18	3.04	0.21	3.25	10.34
		24	2.98	0.24	3.22	10.34
		36	2.78	0.28	3.05	10.34
		48	2.80	0.35	3.15	10.34
		54	2.66	0.39	3.04	10.34

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

802.11a_20MHz BW (UNII 1) Monitoring Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5180~5240)

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	3.41	0.22	3.62	10.34
		9	3.23	0.21	3.44	10.34
		12	3.23	0.20	3.44	10.34
		18	3.35	0.21	3.56	10.34
		24	3.25	0.24	3.49	10.34
		36	3.21	0.28	3.48	10.34
		48	3.23	0.35	3.58	10.34
		54	3.31	0.39	3.69	10.34
5200	40	6	3.11	0.22	3.33	10.34
		9	3.11	0.21	3.32	10.34
		12	3.14	0.20	3.34	10.34
		18	3.32	0.21	3.53	10.34
		24	3.11	0.24	3.35	10.34
		36	3.20	0.28	3.48	10.34
		48	3.12	0.35	3.46	10.34
		54	2.97	0.39	3.36	10.34
5240	48	6	2.93	0.22	3.15	10.34
		9	2.96	0.21	3.17	10.34
		12	2.98	0.20	3.19	10.34
		18	3.04	0.21	3.25	10.34
		24	2.97	0.24	3.21	10.34
		36	3.11	0.28	3.39	10.34
		48	2.96	0.35	3.30	10.34
		54	2.86	0.39	3.25	10.34

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

802.11a_20MHz BW (UNII 1) Monitoring Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5180~5240)

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	1.42	0.22	1.64	10.34
		9	1.46	0.21	1.68	10.34
		12	1.45	0.20	1.65	10.34
		18	1.49	0.21	1.70	10.34
		24	1.44	0.24	1.68	10.34
		36	1.39	0.28	1.67	10.34
		48	1.45	0.35	1.79	10.34
		54	1.46	0.38	1.85	10.34
5200	40	6	1.28	0.22	1.49	10.34
		9	1.33	0.21	1.54	10.34
		12	1.36	0.20	1.56	10.34
		18	1.37	0.21	1.58	10.34
		24	1.52	0.24	1.76	10.34
		36	1.24	0.28	1.52	10.34
		48	1.30	0.35	1.65	10.34
		54	1.19	0.38	1.57	10.34
5240	48	6	1.03	0.22	1.25	10.34
		9	1.15	0.21	1.37	10.34
		12	1.09	0.20	1.30	10.34
		18	1.29	0.21	1.50	10.34
		24	1.09	0.24	1.33	10.34
		36	1.04	0.28	1.32	10.34
		48	1.22	0.35	1.57	10.34
		54	0.94	0.38	1.32	10.34

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2

Conducted Output Power Measurements (802.11a Mode: 5180~5240)

802.11a Mode		Rate (Mbps)	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5180	36	6	7.70	10.34
		9	7.65	10.34
		12	7.72	10.34
		18	7.73	10.34
		24	7.75	10.34
		36	7.68	10.34
		48	7.84	10.34
		54	7.82	10.34
5200	40	6	7.53	10.34
		9	7.60	10.34
		12	7.55	10.34
		18	7.64	10.34
		24	7.62	10.34
		36	7.65	10.34
		48	7.66	10.34
		54	7.57	10.34
5240	48	6	7.38	10.34
		9	7.33	10.34
		12	7.36	10.34
		18	7.51	10.34
		24	7.44	10.34
		36	7.45	10.34
		48	7.51	10.34
		54	7.39	10.34

802.11a _20MHz BW (UNII 2A)_Monitoring Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5260~5320)

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	10.45	0.22	10.67	18.17
		9	10.30	0.21	10.51	18.17
		12	10.42	0.20	10.63	18.17
		18	10.38	0.21	10.59	18.17
		24	10.40	0.24	10.64	18.17
		36	10.38	0.28	10.66	18.17
		48	10.38	0.35	10.73	18.17
		54	10.18	0.39	10.56	18.17
5300	60	6	4.33	0.22	4.54	18.17
		9	4.09	0.21	4.30	18.17
		12	4.19	0.20	4.40	18.17
		18	4.01	0.21	4.22	18.17
		24	4.12	0.24	4.36	18.17
		36	4.08	0.28	4.35	18.17
		48	4.07	0.35	4.42	18.17
		54	4.04	0.39	4.43	18.17
5320	64	6	3.87	0.22	4.09	18.17
		9	3.94	0.21	4.15	18.17
		12	3.90	0.20	4.10	18.17
		18	3.73	0.21	3.94	18.17
		24	3.77	0.24	4.00	18.17
		36	3.70	0.28	3.98	18.17
		48	3.75	0.35	4.10	18.17
		54	3.64	0.39	4.03	18.17

802.11a _20MHz BW (UNII 2A) _Monitoring Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5260~5320)

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	10.75	0.22	10.96	18.17
		9	10.65	0.21	10.86	18.17
		12	10.68	0.20	10.88	18.17
		18	10.77	0.21	10.98	18.17
		24	10.72	0.24	10.96	18.17
		36	10.65	0.28	10.92	18.17
		48	10.60	0.35	10.94	18.17
		54	10.60	0.39	10.98	18.17
5300	60	6	4.23	0.22	4.45	18.17
		9	4.04	0.21	4.26	18.17
		12	4.14	0.20	4.35	18.17
		18	4.13	0.21	4.34	18.17
		24	4.13	0.24	4.37	18.17
		36	3.95	0.28	4.22	18.17
		48	3.98	0.35	4.33	18.17
		54	3.85	0.39	4.24	18.17
5320	64	6	4.07	0.22	4.29	18.17
		9	3.78	0.21	3.99	18.17
		12	3.68	0.20	3.89	18.17
		18	3.79	0.21	4.00	18.17
		24	3.75	0.24	3.99	18.17
		36	3.68	0.28	3.96	18.17
		48	3.65	0.35	3.99	18.17
		54	3.60	0.39	3.98	18.17

802.11a _20MHz BW (UNII 2A)_Monitoring Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5260~5320)

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	11.78	0.22	11.99	18.17
		9	11.73	0.21	11.95	18.17
		12	11.77	0.20	11.97	18.17
		18	11.88	0.21	12.09	18.17
		24	11.57	0.24	11.81	18.17
		36	11.54	0.28	11.82	18.17
		48	11.55	0.35	11.90	18.17
		54	11.44	0.38	11.82	18.17
5300	60	6	4.93	0.22	5.15	18.17
		9	4.86	0.21	5.08	18.17
		12	4.93	0.20	5.13	18.17
		18	4.88	0.21	5.09	18.17
		24	4.62	0.24	4.86	18.17
		36	4.61	0.28	4.89	18.17
		48	4.63	0.35	4.98	18.17
		54	4.61	0.38	4.99	18.17
5320	64	6	4.56	0.22	4.78	18.17
		9	4.53	0.21	4.74	18.17
		12	4.52	0.20	4.72	18.17
		18	4.33	0.21	4.54	18.17
		24	4.31	0.24	4.55	18.17
		36	4.29	0.28	4.57	18.17
		48	4.54	0.35	4.89	18.17
		54	4.17	0.38	4.55	18.17

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Monitoring Port

Conducted Output Power Measurements (802.11a Mode: 5260~5320)

802.11a Mode		Rate (Mbps)	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5260	52	6	16.02	18.17
		9	15.92	18.17
		12	15.97	18.17
		18	16.04	18.17
		24	15.94	18.17
		36	15.93	18.17
		48	15.99	18.17
		54	15.92	18.17
5300	60	6	9.50	18.17
		9	9.33	18.17
		12	9.41	18.17
		18	9.34	18.17
		24	9.31	18.17
		36	9.27	18.17
		48	9.36	18.17
		54	9.34	18.17
5320	64	6	9.17	18.17
		9	9.08	18.17
		12	9.02	18.17
		18	8.94	18.17
		24	8.96	18.17
		36	8.95	18.17
		48	9.12	18.17
		54	8.97	18.17

802.11a _20MHz BW (UNII 2C) _Monitoring Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5500~5700)

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	3.58	0.22	3.79	17.80
		9	3.58	0.21	3.79	17.80
		12	3.66	0.20	3.86	17.80
		18	3.48	0.21	3.69	17.80
		24	3.46	0.24	3.70	17.80
		36	3.40	0.28	3.68	17.80
		48	3.43	0.35	3.77	17.80
		54	3.31	0.39	3.69	17.80
5580	116	6	10.60	0.22	10.82	17.80
		9	10.69	0.21	10.90	17.80
		12	10.66	0.20	10.86	17.80
		18	10.67	0.21	10.89	17.80
		24	10.52	0.24	10.76	17.80
		36	10.46	0.28	10.74	17.80
		48	10.55	0.35	10.90	17.80
		54	10.39	0.39	10.77	17.80
5720	144	6	11.06	0.22	11.27	17.80
		9	10.95	0.21	11.17	17.80
		12	10.94	0.20	11.15	17.80
		18	10.99	0.21	11.20	17.80
		24	10.93	0.24	11.17	17.80
		36	10.91	0.28	11.19	17.80
		48	10.93	0.35	11.28	17.80
		54	10.79	0.39	11.18	17.80

802.11a _20MHz BW (UNII 2C) _Monitoring Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5500~5700)

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	3.93	0.22	4.15	17.80
		9	3.92	0.21	4.13	17.80
		12	3.86	0.20	4.06	17.80
		18	3.89	0.21	4.10	17.80
		24	3.87	0.24	4.11	17.80
		36	3.83	0.28	4.11	17.80
		48	3.74	0.35	4.09	17.80
		54	3.71	0.39	4.09	17.80
5580	116	6	10.88	0.22	11.10	17.80
		9	10.75	0.21	10.97	17.80
		12	10.79	0.20	11.00	17.80
		18	10.72	0.21	10.93	17.80
		24	10.66	0.24	10.90	17.80
		36	10.74	0.28	11.02	17.80
		48	10.63	0.35	10.97	17.80
		54	10.51	0.39	10.89	17.80
5720	144	6	11.19	0.22	11.41	17.80
		9	11.20	0.21	11.41	17.80
		12	11.20	0.20	11.40	17.80
		18	11.11	0.21	11.32	17.80
		24	11.10	0.24	11.33	17.80
		36	11.02	0.28	11.30	17.80
		48	11.06	0.35	11.40	17.80
		54	10.89	0.39	11.27	17.80

802.11a _20MHz BW (UNII 2C) _Monitoring Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5500~5700)

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	4.32	0.22	4.53	17.80
		9	4.45	0.21	4.66	17.80
		12	4.20	0.20	4.40	17.80
		18	4.34	0.21	4.55	17.80
		24	4.21	0.24	4.45	17.80
		36	4.28	0.28	4.56	17.80
		48	4.31	0.35	4.66	17.80
		54	4.14	0.38	4.53	17.80
5580	116	6	11.40	0.22	11.62	17.80
		9	11.17	0.21	11.39	17.80
		12	11.39	0.20	11.60	17.80
		18	11.16	0.21	11.37	17.80
		24	11.23	0.24	11.47	17.80
		36	11.02	0.28	11.29	17.80
		48	11.22	0.35	11.56	17.80
		54	11.12	0.38	11.51	17.80
5720	144	6	11.85	0.22	12.07	17.80
		9	11.81	0.21	12.02	17.80
		12	11.80	0.20	12.00	17.80
		18	11.82	0.21	12.03	17.80
		24	11.77	0.24	12.01	17.80
		36	11.71	0.28	11.98	17.80
		48	11.65	0.35	12.00	17.80
		54	11.60	0.38	11.99	17.80

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Monitoring Port

Conducted Output Power Measurements (802.11a Mode: 5500~5720)

802.11a Mode		Rate (Mbps)	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5500	100	6	8.94	17.80
		9	8.98	17.80
		12	8.88	17.80
		18	8.90	17.80
		24	8.87	17.80
		36	8.90	17.80
		48	8.96	17.80
		54	8.89	17.80
5580	116	6	15.96	17.80
		9	15.86	17.80
		12	15.94	17.80
		18	15.84	17.80
		24	15.83	17.80
		36	15.79	17.80
		48	15.92	17.80
		54	15.84	17.80
5720	144	6	16.37	17.80
		9	16.32	17.80
		12	16.30	17.80
		18	16.30	17.80
		24	16.29	17.80
		36	16.28	17.80
		48	16.34	17.80
		54	16.27	17.80

802.11a _20MHz BW (UNII 3) _Monitoring Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5745~5825)

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	8.26	0.22	8.47	25.74
		9	8.28	0.21	8.49	25.74
		12	8.25	0.20	8.45	25.74
		18	8.22	0.21	8.43	25.74
		24	8.26	0.24	8.50	25.74
		36	8.21	0.28	8.49	25.74
		48	8.23	0.35	8.57	25.74
		54	8.10	0.39	8.48	25.74
5785	157	6	7.92	0.22	8.13	25.74
		9	8.03	0.21	8.25	25.74
		12	7.95	0.20	8.15	25.74
		18	7.95	0.21	8.16	25.74
		24	7.74	0.24	7.98	25.74
		36	7.69	0.28	7.97	25.74
		48	7.98	0.35	8.33	25.74
		54	7.58	0.39	7.96	25.74
5825	165	6	8.40	0.22	8.61	25.74
		9	8.20	0.21	8.41	25.74
		12	8.31	0.20	8.52	25.74
		18	8.25	0.21	8.46	25.74
		24	8.24	0.24	8.48	25.74
		36	8.11	0.28	8.38	25.74
		48	8.25	0.35	8.59	25.74
		54	8.01	0.39	8.39	25.74

802.11a _20MHz BW (UNII 3) _Monitoring Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5745~5825)

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	8.51	0.22	8.73	25.74
		9	8.40	0.21	8.62	25.74
		12	8.39	0.20	8.60	25.74
		18	8.47	0.21	8.68	25.74
		24	8.49	0.24	8.73	25.74
		36	8.26	0.28	8.54	25.74
		48	8.47	0.35	8.81	25.74
		54	8.34	0.39	8.72	25.74
5785	157	6	8.17	0.22	8.39	25.74
		9	8.02	0.21	8.23	25.74
		12	8.15	0.20	8.35	25.74
		18	8.16	0.21	8.37	25.74
		24	8.01	0.24	8.25	25.74
		36	7.98	0.28	8.26	25.74
		48	8.01	0.35	8.36	25.74
		54	7.80	0.39	8.19	25.74
5825	165	6	8.36	0.22	8.58	25.74
		9	8.42	0.21	8.63	25.74
		12	8.37	0.20	8.57	25.74
		18	8.36	0.21	8.57	25.74
		24	8.39	0.24	8.63	25.74
		36	8.35	0.28	8.62	25.74
		48	8.38	0.35	8.73	25.74
		54	8.26	0.39	8.65	25.74

802.11a _20MHz BW (UNII 3) _Monitoring Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5745~5825)

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	8.69	0.22	8.91	25.74
		9	8.86	0.21	9.08	25.74
		12	8.85	0.20	9.05	25.74
		18	8.60	0.21	8.81	25.74
		24	8.82	0.24	9.06	25.74
		36	8.50	0.28	8.78	25.74
		48	8.53	0.35	8.88	25.74
		54	8.57	0.38	8.95	25.74
5785	157	6	8.20	0.22	8.41	25.74
		9	8.28	0.21	8.50	25.74
		12	8.36	0.20	8.57	25.74
		18	8.39	0.21	8.60	25.74
		24	8.31	0.24	8.55	25.74
		36	8.23	0.28	8.51	25.74
		48	8.43	0.35	8.78	25.74
		54	8.13	0.38	8.52	25.74
5825	165	6	8.70	0.22	8.92	25.74
		9	8.55	0.21	8.76	25.74
		12	8.67	0.20	8.88	25.74
		18	8.82	0.21	9.03	25.74
		24	8.71	0.24	8.95	25.74
		36	8.54	0.28	8.81	25.74
		48	8.55	0.35	8.90	25.74
		54	8.44	0.38	8.82	25.74

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Monitoring Port

Conducted Output Power Measurements (802.11a Mode: 5500~5720)

802.11a Mode		Rate (Mbps)	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5745	149	6	13.48	25.74
		9	13.51	25.74
		12	13.48	25.74
		18	13.41	25.74
		24	13.54	25.74
		36	13.38	25.74
		48	13.53	25.74
		54	13.49	25.74
5785	157	6	13.08	25.74
		9	13.10	25.74
		12	13.13	25.74
		18	13.15	25.74
		24	13.04	25.74
		36	13.02	25.74
		48	13.27	25.74
		54	13.00	25.74
5825	165	6	13.48	25.74
		9	13.37	25.74
		12	13.43	25.74
		18	13.46	25.74
		24	13.46	25.74
		36	13.38	25.74
		48	13.51	25.74
		54	13.39	25.74

Service Port

802.11a_20MHz BW (UNII 1)_Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5180~5240)

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	2.46	0.22	2.68	15.72
		9	2.45	0.21	2.66	15.72
		12	2.47	0.21	2.68	15.72
		18	2.53	0.23	2.75	15.72
		24	2.45	0.21	2.66	15.72
		36	2.39	0.27	2.66	15.72
		48	2.41	0.35	2.76	15.72
		54	2.27	0.39	2.66	15.72
5200	40	6	4.62	0.22	4.84	15.72
		9	4.48	0.21	4.69	15.72
		12	4.54	0.21	4.75	15.72
		18	4.56	0.23	4.79	15.72
		24	4.50	0.21	4.70	15.72
		36	4.47	0.27	4.74	15.72
		48	4.46	0.35	4.81	15.72
		54	4.38	0.39	4.76	15.72
	48	6	3.32	0.22	3.54	15.72
		9	3.32	0.21	3.53	15.72
		12	3.38	0.21	3.59	15.72
		18	3.26	0.23	3.49	15.72
		24	3.20	0.21	3.41	15.72
		36	3.17	0.27	3.44	15.72
		48	3.19	0.35	3.54	15.72
		54	3.05	0.39	3.44	15.72

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

802.11a_20MHz BW (UNII 1) Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5180~5240)

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	2.15	0.22	2.37	15.85
		9	2.19	0.21	2.40	15.85
		12	2.16	0.21	2.37	15.85
		18	2.16	0.23	2.39	15.85
		24	2.14	0.21	2.35	15.85
		36	2.08	0.27	2.35	15.85
		48	2.10	0.35	2.45	15.85
		54	2.03	0.39	2.41	15.85
5200	40	6	4.22	0.22	4.43	15.85
		9	4.21	0.21	4.42	15.85
		12	4.28	0.21	4.50	15.85
		18	4.20	0.23	4.43	15.85
		24	4.12	0.21	4.33	15.85
		36	4.11	0.27	4.37	15.85
		48	3.88	0.35	4.23	15.85
		54	4.04	0.39	4.43	15.85
5240	48	6	2.97	0.22	3.19	15.85
		9	2.88	0.21	3.09	15.85
		12	2.98	0.21	3.20	15.85
		18	2.73	0.23	2.96	15.85
		24	2.95	0.21	3.16	15.85
		36	2.90	0.27	3.16	15.85
		48	2.96	0.35	3.30	15.85
		54	2.85	0.39	3.24	15.85

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

802.11a_20MHz BW (UNII 1) Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5180~5240)

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	2.10	0.22	2.32	16.26
		9	2.65	0.21	2.85	16.26
		12	2.70	0.21	2.92	16.26
		18	2.74	0.23	2.96	16.26
		24	2.69	0.21	2.90	16.26
		36	2.61	0.27	2.88	16.26
		48	2.65	0.35	3.00	16.26
		54	2.50	0.39	2.88	16.26
5200	40	6	4.59	0.22	4.80	16.26
		9	4.37	0.21	4.58	16.26
		12	4.52	0.21	4.73	16.26
		18	4.66	0.23	4.89	16.26
		24	4.40	0.21	4.61	16.26
		36	4.36	0.27	4.62	16.26
		48	4.37	0.35	4.71	16.26
		54	4.27	0.39	4.66	16.26
5240	48	6	3.22	0.22	3.43	16.26
		9	3.18	0.21	3.39	16.26
		12	3.27	0.21	3.49	16.26
		18	3.30	0.23	3.53	16.26
		24	3.10	0.21	3.30	16.26
		36	3.20	0.27	3.47	16.26
		48	3.14	0.35	3.48	16.26
		54	3.09	0.39	3.47	16.26

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service port

Conducted Output Power Measurements (802.11a Mode: 5180~5240)

802.11a Mode		Rate (Mbps)	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5260	52	6	7.23	11.17
		9	7.41	11.17
		12	7.43	11.17
		18	7.48	11.17
		24	7.41	11.17
		36	7.41	11.17
		48	7.51	11.17
		54	7.43	11.17
5300	60	6	9.47	11.17
		9	9.34	11.17
		12	9.43	11.17
		18	9.48	11.17
		24	9.32	11.17
		36	9.35	11.17
		48	9.36	11.17
		54	9.39	11.17
5320	64	6	8.16	11.17
		9	8.11	11.17
		12	8.20	11.17
		18	8.11	11.17
		24	8.06	11.17
		36	8.13	11.17
		48	8.21	11.17
		54	8.16	11.17

802.11a _20MHz BW (UNII 2A)_Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5260~5320)

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	9.32	0.22	9.54	22.44
		9	9.39	0.21	9.60	22.44
		12	9.31	0.21	9.53	22.44
		18	9.31	0.23	9.54	22.44
		24	9.25	0.21	9.46	22.44
		36	9.24	0.27	9.50	22.44
		48	9.24	0.35	9.59	22.44
		54	9.13	0.39	9.51	22.44
5300	60	6	1.87	0.22	2.09	22.44
		9	1.89	0.21	2.09	22.44
		12	1.89	0.21	2.11	22.44
		18	1.96	0.23	2.19	22.44
		24	1.90	0.21	2.11	22.44
		36	1.86	0.27	2.13	22.44
		48	1.87	0.35	2.21	22.44
		54	1.76	0.39	2.14	22.44
5320	64	6	1.65	0.22	1.87	22.44
		9	1.65	0.21	1.85	22.44
		12	1.76	0.21	1.97	22.44
		18	1.79	0.23	2.02	22.44
		24	1.76	0.21	1.96	22.44
		36	1.71	0.27	1.98	22.44
		48	1.70	0.35	2.05	22.44
		54	1.61	0.39	1.99	22.44

802.11a _20MHz BW (UNII 2A)_Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5260~5320)

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	9.13	0.22	9.35	22.98
		9	9.15	0.21	9.35	22.98
		12	9.23	0.21	9.44	22.98
		18	9.22	0.23	9.45	22.98
		24	9.17	0.21	9.38	22.98
		36	9.13	0.27	9.40	22.98
		48	9.16	0.35	9.50	22.98
		54	9.00	0.39	9.38	22.98
5300	60	6	1.00	0.22	1.22	22.98
		9	0.43	0.21	0.64	22.98
		12	1.02	0.21	1.23	22.98
		18	1.04	0.23	1.27	22.98
		24	1.01	0.21	1.22	22.98
		36	0.94	0.27	1.21	22.98
		48	0.97	0.35	1.32	22.98
		54	0.88	0.39	1.26	22.98
5320	64	6	0.88	0.22	1.09	22.98
		9	0.89	0.21	1.10	22.98
		12	0.96	0.21	1.18	22.98
		18	0.95	0.23	1.18	22.98
		24	0.90	0.21	1.11	22.98
		36	0.88	0.27	1.14	22.98
		48	0.69	0.35	1.04	22.98
		54	0.81	0.39	1.19	22.98

802.11a _20MHz BW (UNII 2A)_Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5260~5320)

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	9.61	0.22	9.82	23.21
		9	9.59	0.21	9.80	23.21
		12	9.61	0.21	9.83	23.21
		18	9.66	0.23	9.89	23.21
		24	9.59	0.21	9.80	23.21
		36	9.49	0.27	9.76	23.21
		48	9.54	0.35	9.89	23.21
		54	9.41	0.39	9.80	23.21
5300	60	6	1.74	0.22	1.96	23.21
		9	1.78	0.21	1.99	23.21
		12	1.82	0.21	2.03	23.21
		18	1.84	0.23	2.07	23.21
		24	1.78	0.21	1.99	23.21
		36	1.59	0.27	1.85	23.21
		48	1.61	0.35	1.96	23.21
		54	1.63	0.39	2.01	23.21
5320	64	6	1.60	0.22	1.82	23.21
		9	1.66	0.21	1.87	23.21
		12	1.64	0.21	1.86	23.21
		18	1.68	0.23	1.91	23.21
		24	1.69	0.21	1.90	23.21
		36	1.59	0.27	1.86	23.21
		48	1.64	0.35	1.99	23.21
		54	1.52	0.39	1.91	23.21

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service port

Conducted Output Power Measurements (802.11a Mode: 5260~5320)

802.11a Mode		Rate (Mbps)	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5260	52	6	14.35	18.12
		9	14.36	18.12
		12	14.37	18.12
		18	14.40	18.12
		24	14.32	18.12
		36	14.33	18.12
		48	14.43	18.12
		54	14.34	18.12
5300	60	6	6.54	18.12
		9	6.39	18.12
		12	6.58	18.12
		18	6.63	18.12
		24	6.56	18.12
		36	6.52	18.12
		48	6.62	18.12
		54	6.59	18.12
5320	64	6	6.38	18.12
		9	6.39	18.12
		12	6.46	18.12
		18	6.49	18.12
		24	6.44	18.12
		36	6.45	18.12
		48	6.49	18.12
		54	6.48	18.12

802.11a _20MHz BW (UNII 2C) _Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5500~5700)

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	3.51	0.22	3.73	22.87
		9	3.48	0.21	3.69	22.87
		12	3.46	0.21	3.67	22.87
		18	3.16	0.23	3.39	22.87
		24	3.47	0.21	3.67	22.87
		36	3.45	0.27	3.72	22.87
		48	3.46	0.35	3.81	22.87
		54	3.35	0.39	3.73	22.87
5580	116	6	9.08	0.22	9.30	22.87
		9	8.91	0.21	9.12	22.87
		12	8.91	0.21	9.12	22.87
		18	8.96	0.23	9.19	22.87
		24	8.87	0.21	9.08	22.87
		36	8.84	0.27	9.11	22.87
		48	8.86	0.35	9.21	22.87
		54	8.75	0.39	9.14	22.87
5720	144	6	10.91	0.22	11.13	22.87
		9	10.87	0.21	11.07	22.87
		12	10.90	0.21	11.12	22.87
		18	10.81	0.23	11.04	22.87
		24	10.76	0.21	10.97	22.87
		36	10.71	0.27	10.97	22.87
		48	10.70	0.35	11.05	22.87
		54	10.58	0.39	10.96	22.87

802.11a _20MHz BW (UNII 2C) Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5500~5700)

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	3.65	0.22	3.86	23.21
		9	3.53	0.21	3.74	23.21
		12	3.50	0.21	3.71	23.21
		18	3.67	0.23	3.90	23.21
		24	3.49	0.21	3.70	23.21
		36	3.42	0.27	3.69	23.21
		48	3.46	0.35	3.81	23.21
		54	3.34	0.39	3.72	23.21
5580	116	6	8.86	0.22	9.07	23.21
		9	8.89	0.21	9.10	23.21
		12	8.90	0.21	9.11	23.21
		18	8.92	0.23	9.15	23.21
		24	8.88	0.21	9.09	23.21
		36	8.84	0.27	9.11	23.21
		48	8.86	0.35	9.21	23.21
		54	8.72	0.39	9.11	23.21
5720	144	6	10.30	0.22	10.52	23.21
		9	10.24	0.21	10.44	23.21
		12	10.40	0.21	10.62	23.21
		18	10.33	0.23	10.56	23.21
		24	10.21	0.21	10.42	23.21
		36	10.20	0.27	10.47	23.21
		48	10.26	0.35	10.61	23.21
		54	10.19	0.39	10.57	23.21

802.11a _20MHz BW (UNII 2C) Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5500~5700)

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	3.67	0.22	3.89	23.21
		9	3.63	0.21	3.83	23.21
		12	3.71	0.21	3.92	23.21
		18	3.72	0.23	3.95	23.21
		24	3.67	0.21	3.87	23.21
		36	3.63	0.27	3.90	23.21
		48	3.65	0.35	4.00	23.21
		54	3.51	0.39	3.90	23.21
5580	116	6	8.92	0.22	9.14	23.21
		9	8.95	0.21	9.15	23.21
		12	8.92	0.21	9.14	23.21
		18	8.95	0.23	9.18	23.21
		24	8.92	0.21	9.13	23.21
		36	8.85	0.27	9.12	23.21
		48	8.91	0.35	9.25	23.21
		54	8.79	0.39	9.18	23.21
5720	144	6	10.65	0.22	10.87	23.21
		9	10.70	0.21	10.91	23.21
		12	10.68	0.21	10.90	23.21
		18	10.70	0.23	10.93	23.21
		24	10.58	0.21	10.79	23.21
		36	10.49	0.27	10.76	23.21
		48	10.65	0.35	11.00	23.21
		54	10.54	0.39	10.93	23.21

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11a Mode: 5500~5720)

802.11a Mode		Rate (Mbps)	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5500	100	6	8.60	18.52
		9	8.52	18.52
		12	8.54	18.52
		18	8.53	18.52
		24	8.52	18.52
		36	8.54	18.52
		48	8.65	18.52
		54	8.56	18.52
5580	116	6	13.94	18.52
		9	13.89	18.52
		12	13.89	18.52
		18	13.94	18.52
		24	13.87	18.52
		36	13.88	18.52
		48	13.99	18.52
		54	13.91	18.52
5720	144	6	15.62	18.52
		9	15.59	18.52
		12	15.66	18.52
		18	15.62	18.52
		24	15.50	18.52
		36	15.51	18.52
		48	15.66	18.52
		54	15.59	18.52

802.11a _20MHz BW (UNII 3) _Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5745~5825)

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	10.22	0.22	10.44	29.83
		9	10.08	0.21	10.29	29.83
		12	10.09	0.21	10.30	29.83
		18	10.05	0.23	10.28	29.83
		24	10.02	0.21	10.23	29.83
		36	10.01	0.27	10.28	29.83
		48	9.99	0.35	10.34	29.83
		54	9.99	0.39	10.37	29.83
5785	157	6	10.60	0.22	10.81	29.83
		9	10.78	0.21	10.99	29.83
		12	10.83	0.21	11.04	29.83
		18	10.79	0.23	11.02	29.83
		24	10.44	0.21	10.65	29.83
		36	10.61	0.27	10.88	29.83
		48	10.51	0.35	10.86	29.83
		54	10.31	0.39	10.70	29.83
5825	165	6	10.28	0.22	10.50	29.83
		9	10.30	0.21	10.50	29.83
		12	10.34	0.21	10.56	29.83
		18	10.35	0.23	10.58	29.83
		24	10.30	0.21	10.51	29.83
		36	10.27	0.27	10.54	29.83
		48	10.31	0.35	10.66	29.83
		54	10.17	0.39	10.55	29.83

802.11a _20MHz BW (UNII 3) _Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5745~5825)

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	9.61	0.22	9.83	30.00
		9	9.55	0.21	9.76	30.00
		12	9.67	0.21	9.89	30.00
		18	9.67	0.23	9.90	30.00
		24	9.55	0.21	9.76	30.00
		36	9.63	0.27	9.89	30.00
		48	9.62	0.35	9.97	30.00
		54	9.54	0.39	9.92	30.00
5785	157	6	10.11	0.22	10.32	30.00
		9	10.21	0.21	10.42	30.00
		12	10.12	0.21	10.33	30.00
		18	10.12	0.23	10.35	30.00
		24	10.09	0.21	10.30	30.00
		36	9.89	0.27	10.16	30.00
		48	10.01	0.35	10.36	30.00
		54	9.85	0.39	10.23	30.00
5825	165	6	9.78	0.22	10.00	30.00
		9	9.79	0.21	10.00	30.00
		12	9.91	0.21	10.12	30.00
		18	9.88	0.23	10.11	30.00
		24	9.93	0.21	10.13	30.00
		36	9.79	0.27	10.06	30.00
		48	9.81	0.35	10.16	30.00
		54	9.70	0.39	10.09	30.00

802.11a _20MHz BW (UNII 3) _Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5745~5825)

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	10.24	0.22	10.45	30.00
		9	10.14	0.21	10.35	30.00
		12	10.19	0.21	10.41	30.00
		18	10.20	0.23	10.43	30.00
		24	10.10	0.21	10.31	30.00
		36	10.09	0.27	10.36	30.00
		48	10.11	0.35	10.46	30.00
		54	9.86	0.39	10.24	30.00
5785	157	6	10.55	0.22	10.76	30.00
		9	10.59	0.21	10.80	30.00
		12	10.56	0.21	10.78	30.00
		18	10.53	0.23	10.76	30.00
		24	10.51	0.21	10.72	30.00
		36	10.37	0.27	10.64	30.00
		48	10.52	0.35	10.86	30.00
		54	10.41	0.39	10.80	30.00
5825	165	6	10.32	0.22	10.54	30.00
		9	10.30	0.21	10.51	30.00
		12	10.30	0.21	10.51	30.00
		18	10.29	0.23	10.52	30.00
		24	10.21	0.21	10.42	30.00
		36	10.21	0.27	10.48	30.00
		48	10.21	0.35	10.55	30.00
		54	10.09	0.39	10.48	30.00

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11a Mode: 5745~5825)

802.11a Mode		Rate (Mbps)	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5745	149	6	15.02	25.74
		9	14.91	25.74
		12	14.98	25.74
		18	14.98	25.74
		24	14.88	25.74
		36	14.95	25.74
		48	15.03	25.74
		54	14.95	25.74
5785	157	6	15.41	25.74
		9	15.51	25.74
		12	15.50	25.74
		18	15.49	25.74
		24	15.33	25.74
		36	15.34	25.74
		48	15.47	25.74
		54	15.35	25.74
5825	165	6	15.12	25.74
		9	15.11	25.74
		12	15.17	25.74
		18	15.18	25.74
		24	15.13	25.74
		36	15.14	25.74
		48	15.23	25.74
		54	15.15	25.74

802.11n _20MHz BW (UNII 1) _Service port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5180~5240)

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	3.09	0.22	3.30	15.72
		1	3.08	0.20	3.28	15.72
		2	2.83	0.19	3.02	15.72
		3	2.80	0.20	3.01	15.72
		4	2.86	0.29	3.14	15.72
		5	2.90	0.37	3.26	15.72
		6	2.89	0.40	3.29	15.72
		7	2.84	0.40	3.24	15.72
5200	40	0	3.33	0.22	3.54	15.72
		1	3.38	0.20	3.58	15.72
		2	3.36	0.19	3.56	15.72
		3	3.41	0.20	3.62	15.72
		4	3.31	0.29	3.60	15.72
		5	3.27	0.37	3.64	15.72
		6	2.94	0.40	3.34	15.72
		7	3.04	0.40	3.44	15.72
5240	48	0	3.38	0.22	3.60	15.72
		1	3.37	0.20	3.57	15.72
		2	3.12	0.19	3.31	15.72
		3	3.15	0.20	3.35	15.72
		4	3.04	0.29	3.32	15.72
		5	3.02	0.37	3.38	15.72
		6	2.96	0.40	3.36	15.72
		7	3.04	0.40	3.44	15.72

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

802.11n _20MHz BW (UNII 1) _Service port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5180~5240)

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	2.39	0.22	2.60	15.85
		1	2.56	0.20	2.76	15.85
		2	2.55	0.19	2.75	15.85
		3	2.56	0.20	2.76	15.85
		4	2.23	0.29	2.52	15.85
		5	2.40	0.37	2.77	15.85
		6	2.38	0.40	2.78	15.85
		7	2.34	0.40	2.74	15.85
5200	40	0	3.01	0.22	3.23	15.85
		1	2.80	0.20	3.00	15.85
		2	2.79	0.19	2.98	15.85
		3	2.82	0.20	3.02	15.85
		4	2.75	0.29	3.04	15.85
		5	2.76	0.37	3.13	15.85
		6	2.66	0.40	3.06	15.85
		7	2.60	0.40	3.00	15.85
5240	48	0	2.95	0.22	3.16	15.85
		1	2.71	0.20	2.91	15.85
		2	2.72	0.19	2.91	15.85
		3	2.76	0.20	2.96	15.85
		4	2.65	0.29	2.94	15.85
		5	2.62	0.37	2.99	15.85
		6	2.61	0.40	3.01	15.85
		7	2.69	0.40	3.09	15.85

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

802.11n _20MHz BW (UNII 1) _Service port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5180~5240)

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	2.89	0.22	3.10	16.26
		1	2.81	0.20	3.01	16.26
		2	2.95	0.19	3.15	16.26
		3	2.77	0.20	2.97	16.26
		4	2.69	0.29	2.97	16.26
		5	2.62	0.37	2.99	16.26
		6	2.60	0.40	3.00	16.26
		7	2.75	0.40	3.16	16.26
5200	40	0	3.29	0.22	3.51	16.26
		1	3.12	0.20	3.32	16.26
		2	3.14	0.19	3.33	16.26
		3	3.16	0.20	3.36	16.26
		4	3.07	0.29	3.35	16.26
		5	3.03	0.37	3.40	16.26
		6	2.98	0.40	3.38	16.26
		7	2.98	0.40	3.39	16.26
5240	48	0	3.18	0.22	3.39	16.26
		1	3.17	0.20	3.37	16.26
		2	3.01	0.19	3.20	16.26
		3	3.15	0.20	3.35	16.26
		4	2.84	0.29	3.13	16.26
		5	3.08	0.37	3.45	16.26
		6	2.78	0.40	3.18	16.26
		7	2.95	0.40	3.35	16.26

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11a Mode: 5180~5240)

802.11a Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5180	36	0	7.78	11.17
		1	7.79	11.17
		2	7.75	11.17
		3	7.69	11.17
		4	7.66	11.17
		5	7.78	11.17
		6	7.80	11.17
		7	7.82	11.17
5200	40	0	8.20	11.17
		1	8.08	11.17
		2	8.07	11.17
		3	8.11	11.17
		4	8.11	11.17
		5	8.17	11.17
		6	8.03	11.17
		7	8.05	11.17
5240	48	0	8.16	11.17
		1	8.06	11.17
		2	7.91	11.17
		3	8.00	11.17
		4	7.90	11.17
		5	8.05	11.17
		6	7.96	11.17
		7	8.07	11.17

802.11n _20MHz BW (UNII 2A)_ Service port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5260~5320)

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	9.71	0.22	9.93	22.44
		1	9.56	0.20	9.76	22.44
		2	9.44	0.19	9.63	22.44
		3	9.47	0.20	9.67	22.44
		4	9.45	0.29	9.74	22.44
		5	9.54	0.37	9.91	22.44
		6	9.49	0.40	9.89	22.44
		7	9.44	0.40	9.84	22.44
5300	60	0	2.45	0.22	2.66	22.44
		1	2.58	0.20	2.78	22.44
		2	2.28	0.19	2.47	22.44
		3	2.49	0.20	2.69	22.44
		4	2.45	0.29	2.74	22.44
		5	2.39	0.37	2.75	22.44
		6	2.42	0.40	2.82	22.44
		7	2.27	0.40	2.67	22.44
5320	64	0	3.46	0.22	3.68	22.44
		1	3.32	0.20	3.52	22.44
		2	3.34	0.19	3.53	22.44
		3	3.51	0.20	3.71	22.44
		4	3.44	0.29	3.73	22.44
		5	3.21	0.37	3.58	22.44
		6	3.18	0.40	3.58	22.44
		7	3.17	0.40	3.57	22.44

802.11n_20MHz BW (UNII 2A)_Service port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5260~5320)

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	9.00	0.22	9.22	22.98
		1	9.09	0.20	9.29	22.98
		2	9.00	0.19	9.19	22.98
		3	9.01	0.20	9.21	22.98
		4	8.93	0.29	9.22	22.98
		5	8.81	0.37	9.18	22.98
		6	8.82	0.40	9.22	22.98
		7	8.81	0.40	9.21	22.98
5300	60	0	1.90	0.22	2.11	22.98
		1	1.89	0.20	2.09	22.98
		2	1.68	0.19	1.87	22.98
		3	1.86	0.20	2.06	22.98
		4	1.95	0.29	2.24	22.98
		5	1.80	0.37	2.17	22.98
		6	1.78	0.40	2.18	22.98
		7	1.78	0.40	2.18	22.98
5320	64	0	2.94	0.22	3.16	22.98
		1	2.99	0.20	3.19	22.98
		2	2.97	0.19	3.16	22.98
		3	2.90	0.20	3.10	22.98
		4	2.81	0.29	3.10	22.98
		5	2.78	0.37	3.15	22.98
		6	2.62	0.40	3.02	22.98
		7	2.82	0.40	3.22	22.98

802.11n_20MHz BW (UNII 2A)_Service port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5260~5320)

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	9.51	0.22	9.72	23.21
		1	9.53	0.20	9.73	23.21
		2	9.48	0.19	9.67	23.21
		3	9.53	0.20	9.73	23.21
		4	9.46	0.29	9.75	23.21
		5	9.42	0.37	9.78	23.21
		6	9.37	0.40	9.78	23.21
		7	9.37	0.40	9.77	23.21
5300	60	0	2.45	0.22	2.67	23.21
		1	2.23	0.20	2.43	23.21
		2	2.26	0.19	2.45	23.21
		3	2.26	0.20	2.46	23.21
		4	2.20	0.29	2.48	23.21
		5	2.15	0.37	2.52	23.21
		6	2.10	0.40	2.50	23.21
		7	2.04	0.40	2.44	23.21
5320	64	0	3.38	0.22	3.60	23.21
		1	3.37	0.20	3.57	23.21
		2	3.37	0.19	3.56	23.21
		3	3.32	0.20	3.52	23.21
		4	3.31	0.29	3.59	23.21
		5	3.26	0.37	3.63	23.21
		6	3.22	0.40	3.62	23.21
		7	3.25	0.40	3.65	23.21

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5260~5320)

802.11n(20MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5260	52	0	14.40	18.12
		1	14.37	18.12
		2	14.27	18.12
		3	14.31	18.12
		4	14.35	18.12
		5	14.41	18.12
		6	14.41	18.12
		7	14.39	18.12
5300	60	0	7.26	18.12
		1	7.21	18.12
		2	7.04	18.12
		3	7.18	18.12
		4	7.26	18.12
		5	7.26	18.12
		6	7.28	18.12
		7	7.21	18.12
5320	64	0	8.26	18.12
		1	8.20	18.12
		2	8.19	18.12
		3	8.22	18.12
		4	8.25	18.12
		5	8.23	18.12
		6	8.19	18.12
		7	8.26	18.12

802.11n _20MHz BW (UNII 2C)_ Service port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5500~5700)

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.					
5500	100	0	4.63	0.22	4.85	22.87
		1	4.37	0.20	4.57	22.87
		2	4.50	0.19	4.69	22.87
		3	4.39	0.20	4.59	22.87
		4	4.33	0.29	4.61	22.87
		5	4.29	0.37	4.66	22.87
		6	4.27	0.40	4.67	22.87
		7	4.23	0.40	4.63	22.87
5580	116	0	11.31	0.22	11.53	22.87
		1	11.22	0.20	11.42	22.87
		2	11.40	0.19	11.59	22.87
		3	11.19	0.20	11.40	22.87
		4	11.34	0.29	11.63	22.87
		5	11.31	0.37	11.67	22.87
		6	11.32	0.40	11.72	22.87
		7	11.26	0.40	11.66	22.87
5720	144	0	10.71	0.22	10.92	22.87
		1	10.66	0.20	10.86	22.87
		2	10.83	0.19	11.02	22.87
		3	10.84	0.20	11.04	22.87
		4	10.73	0.29	11.02	22.87
		5	10.60	0.37	10.97	22.87
		6	10.67	0.40	11.07	22.87
		7	10.65	0.40	11.05	22.87

802.11n_20MHz BW (UNII 2C)_Service port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5500~5700)

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.					
5500	100	0	4.58	0.22	4.80	23.21
		1	4.42	0.20	4.62	23.21
		2	4.61	0.19	4.80	23.21
		3	4.57	0.20	4.77	23.21
		4	4.59	0.29	4.87	23.21
		5	4.53	0.37	4.89	23.21
		6	4.23	0.40	4.63	23.21
		7	4.48	0.40	4.88	23.21
5580	116	0	11.26	0.22	11.48	23.21
		1	11.07	0.20	11.27	23.21
		2	10.88	0.19	11.07	23.21
		3	10.92	0.20	11.12	23.21
		4	10.87	0.29	11.16	23.21
		5	10.81	0.37	11.17	23.21
		6	11.08	0.40	11.48	23.21
		7	10.74	0.40	11.14	23.21
5720	144	0	10.18	0.22	10.40	23.21
		1	10.27	0.20	10.47	23.21
		2	10.27	0.19	10.46	23.21
		3	10.32	0.20	10.52	23.21
		4	10.23	0.29	10.52	23.21
		5	10.19	0.37	10.56	23.21
		6	10.15	0.40	10.55	23.21
		7	10.12	0.40	10.52	23.21

802.11n _20MHz BW (UNII 2C)_Service port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5500~5700)

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.					
5500	100	0	4.65	0.22	4.87	23.21
		1	4.70	0.20	4.90	23.21
		2	4.70	0.19	4.89	23.21
		3	4.74	0.20	4.94	23.21
		4	4.67	0.29	4.96	23.21
		5	4.63	0.37	5.00	23.21
		6	4.61	0.40	5.01	23.21
		7	4.58	0.40	4.98	23.21
5580	116	0	11.38	0.22	11.59	23.21
		1	11.25	0.20	11.45	23.21
		2	11.28	0.19	11.47	23.21
		3	11.24	0.20	11.44	23.21
		4	11.10	0.29	11.39	23.21
		5	11.08	0.37	11.45	23.21
		6	11.06	0.40	11.46	23.21
		7	11.02	0.40	11.42	23.21
5720	144	0	10.65	0.22	10.87	23.21
		1	10.70	0.20	10.90	23.21
		2	10.67	0.19	10.86	23.21
		3	10.68	0.20	10.88	23.21
		4	10.54	0.29	10.83	23.21
		5	10.44	0.37	10.81	23.21
		6	10.56	0.40	10.96	23.21
		7	10.55	0.40	10.95	23.21

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11n_20MHz BW Mode: 5500~5700)

802.11n(20MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5500	100	0	9.61	18.52
		1	9.47	18.52
		2	9.57	18.52
		3	9.54	18.52
		4	9.59	18.52
		5	9.62	18.52
		6	9.54	18.52
		7	9.60	18.52
5580	116	0	16.30	18.52
		1	16.15	18.52
		2	16.15	18.52
		3	16.09	18.52
		4	16.17	18.52
		5	16.21	18.52
		6	16.33	18.52
		7	16.18	18.52
5720	144	0	15.51	18.52
		1	15.52	18.52
		2	15.56	18.52
		3	15.59	18.52
		4	15.57	18.52
		5	15.55	18.52
		6	15.64	18.52
		7	15.62	18.52

802.11n _20MHz BW (UNII 3)_Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz Mode: 5745~5825)

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.					
5745	149	0	10.24	0.22	10.46	29.83
		1	10.11	0.20	10.31	29.83
		2	10.12	0.19	10.31	29.83
		3	10.14	0.20	10.34	29.83
		4	10.08	0.29	10.37	29.83
		5	10.06	0.37	10.42	29.83
		6	9.99	0.40	10.40	29.83
		7	9.99	0.40	10.39	29.83
5785	157	0	9.70	0.22	9.92	29.83
		1	9.62	0.20	9.82	29.83
		2	9.58	0.19	9.77	29.83
		3	9.62	0.20	9.82	29.83
		4	9.49	0.29	9.78	29.83
		5	9.47	0.37	9.84	29.83
		6	9.41	0.40	9.81	29.83
		7	9.53	0.40	9.93	29.83
5825	165	0	10.29	0.22	10.51	29.83
		1	10.34	0.20	10.54	29.83
		2	10.32	0.19	10.52	29.83
		3	10.21	0.20	10.41	29.83
		4	10.33	0.29	10.62	29.83
		5	10.24	0.37	10.60	29.83
		6	10.22	0.40	10.62	29.83
		7	10.24	0.40	10.64	29.83

802.11n _20MHz BW (UNII 3)_Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz Mode: 5745~5825)

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.					
5745	149	0	9.64	0.22	9.85	30.00
		1	9.67	0.20	9.87	30.00
		2	9.68	0.19	9.87	30.00
		3	9.71	0.20	9.91	30.00
		4	9.64	0.29	9.92	30.00
		5	9.61	0.37	9.97	30.00
		6	9.56	0.40	9.96	30.00
		7	9.55	0.40	9.95	30.00
5785	157	0	9.12	0.22	9.33	30.00
		1	9.11	0.20	9.31	30.00
		2	9.05	0.19	9.24	30.00
		3	9.17	0.20	9.37	30.00
		4	9.12	0.29	9.41	30.00
		5	9.03	0.37	9.39	30.00
		6	8.99	0.40	9.39	30.00
		7	8.98	0.40	9.38	30.00
5825	165	0	9.76	0.22	9.98	30.00
		1	9.83	0.20	10.03	30.00
		2	9.73	0.19	9.92	30.00
		3	9.86	0.20	10.06	30.00
		4	9.69	0.29	9.98	30.00
		5	9.65	0.37	10.02	30.00
		6	9.64	0.40	10.04	30.00
		7	9.58	0.40	9.98	30.00

802.11n _20MHz BW (UNII 3)_Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_20MHz Mode: 5745~5825)

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.					
5745	149	0	10.16	0.22	10.38	30.00
		1	10.12	0.20	10.32	30.00
		2	10.14	0.19	10.33	30.00
		3	10.19	0.20	10.39	30.00
		4	10.10	0.29	10.39	30.00
		5	10.05	0.37	10.41	30.00
		6	10.01	0.40	10.41	30.00
		7	9.99	0.40	10.39	30.00
5785	157	0	9.69	0.22	9.90	30.00
		1	9.60	0.20	9.80	30.00
		2	9.61	0.19	9.80	30.00
		3	9.55	0.20	9.75	30.00
		4	9.49	0.29	9.78	30.00
		5	9.44	0.37	9.80	30.00
		6	9.42	0.40	9.82	30.00
		7	9.40	0.40	9.80	30.00
5825	165	0	10.11	0.22	10.33	30.00
		1	10.18	0.20	10.37	30.00
		2	10.20	0.19	10.39	30.00
		3	10.24	0.20	10.44	30.00
		4	10.13	0.29	10.42	30.00
		5	10.11	0.37	10.48	30.00
		6	10.07	0.40	10.47	30.00
		7	10.06	0.40	10.46	30.00

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11n_20MHz Mode: 5745~5825)

802.11n(20MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5745	149	0	15.01	25.74
		1	14.94	25.74
		2	14.95	25.74
		3	14.99	25.74
		4	15.00	25.74
		5	15.04	25.74
		6	15.03	25.74
		7	15.02	25.74
5785	157	0	14.50	25.74
		1	14.42	25.74
		2	14.38	25.74
		3	14.42	25.74
		4	14.43	25.74
		5	14.45	25.74
		6	14.45	25.74
		7	14.48	25.74
5825	165	0	15.05	25.74
		1	15.09	25.74
		2	15.06	25.74
		3	15.08	25.74
		4	15.12	25.74
		5	15.14	25.74
		6	15.15	25.74
		7	15.14	25.74

802.11ac _20MHz BW (UNII 1) _Service port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5180~5240)

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	3.57	0.07	3.64	15.72
		1	3.54	0.11	3.65	15.72
		2	3.47	0.16	3.63	15.72
		3	3.60	0.22	3.82	15.72
		4	3.42	0.33	3.75	15.72
		5	3.36	0.41	3.77	15.72
		6	3.30	0.47	3.78	15.72
		7	3.41	0.51	3.92	15.72
		8	3.33	0.59	3.92	15.72
5200	40	0	3.41	0.07	3.47	15.72
		1	3.40	0.11	3.51	15.72
		2	3.31	0.16	3.47	15.72
		3	3.25	0.22	3.47	15.72
		4	3.19	0.33	3.52	15.72
		5	3.13	0.41	3.53	15.72
		6	3.06	0.47	3.54	15.72
		7	3.02	0.51	3.54	15.72
		8	2.99	0.59	3.58	15.72
5240	48	0	2.96	0.07	3.02	15.72
		1	2.76	0.11	2.87	15.72
		2	2.87	0.16	3.03	15.72
		3	2.84	0.22	3.06	15.72
		4	2.73	0.33	3.06	15.72
		5	2.65	0.41	3.05	15.72
		6	2.36	0.47	2.83	15.72
		7	2.59	0.51	3.10	15.72
		8	2.52	0.59	3.11	15.72

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

802.11ac _20MHz BW (UNII 1) _Service port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5180~5240)

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	3.33	0.07	3.39	15.85
		1	3.18	0.11	3.29	15.85
		2	3.02	0.16	3.18	15.85
		3	3.17	0.22	3.39	15.85
		4	2.88	0.33	3.21	15.85
		5	2.79	0.41	3.20	15.85
		6	3.04	0.47	3.51	15.85
		7	3.00	0.51	3.51	15.85
		8	2.63	0.59	3.22	15.85
5200	40	0	3.01	0.07	3.07	15.85
		1	3.11	0.11	3.22	15.85
		2	2.94	0.16	3.10	15.85
		3	2.86	0.22	3.09	15.85
		4	2.95	0.33	3.28	15.85
		5	2.73	0.41	3.14	15.85
		6	2.87	0.47	3.35	15.85
		7	2.64	0.51	3.16	15.85
		8	2.65	0.59	3.24	15.85
5240	48	0	2.55	0.07	2.61	15.85
		1	2.52	0.11	2.63	15.85
		2	2.48	0.16	2.64	15.85
		3	2.36	0.22	2.59	15.85
		4	2.19	0.33	2.52	15.85
		5	2.26	0.41	2.67	15.85
		6	2.24	0.47	2.71	15.85
		7	2.17	0.51	2.68	15.85
		8	2.05	0.59	2.65	15.85

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

802.11ac _20MHz BW (UNII 1) _Service port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5180~5240)

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	3.54	0.07	3.61	16.26
		1	3.48	0.11	3.59	16.26
		2	3.33	0.16	3.49	16.26
		3	3.53	0.22	3.75	16.26
		4	3.40	0.33	3.72	16.26
		5	3.18	0.41	3.59	16.26
		6	3.12	0.47	3.60	16.26
		7	3.10	0.51	3.61	16.26
		8	3.25	0.59	3.84	16.26
5200	40	0	3.39	0.07	3.46	16.26
		1	3.34	0.11	3.45	16.26
		2	3.17	0.16	3.33	16.26
		3	3.21	0.22	3.43	16.26
		4	3.18	0.33	3.51	16.26
		5	3.01	0.41	3.41	16.26
		6	2.95	0.47	3.43	16.26
		7	2.94	0.51	3.45	16.26
		8	2.86	0.59	3.45	16.26
5240	48	0	2.63	0.07	2.70	16.26
		1	2.54	0.11	2.65	16.26
		2	2.50	0.16	2.65	16.26
		3	2.69	0.22	2.91	16.26
		4	2.38	0.33	2.71	16.26
		5	2.28	0.41	2.68	16.26
		6	2.29	0.47	2.76	16.26
		7	2.15	0.51	2.66	16.26
		8	2.17	0.59	2.76	16.26

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5180~5240)

802.11ac(20MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5180	36	0	8.32	11.17
		1	8.28	11.17
		2	8.21	11.17
		3	8.43	11.17
		4	8.34	11.17
		5	8.30	11.17
		6	8.40	11.17
		7	8.45	11.17
		8	8.44	11.17
5200	40	0	8.11	11.17
		1	8.17	11.17
		2	8.07	11.17
		3	8.10	11.17
		4	8.21	11.17
		5	8.13	11.17
		6	8.21	11.17
		7	8.16	11.17
		8	8.20	11.17
5240	48	0	7.55	11.17
		1	7.49	11.17
		2	7.55	11.17
		3	7.63	11.17
		4	7.54	11.17
		5	7.57	11.17
		6	7.54	11.17
		7	7.59	11.17
		8	7.62	11.17

802.11ac _20MHz BW (UNII 2A)_ Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5260~5320)

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	10.05	0.07	10.11	22.44
		1	10.06	0.11	10.17	22.44
		2	10.00	0.16	10.16	22.44
		3	9.94	0.22	10.16	22.44
		4	9.85	0.33	10.18	22.44
		5	9.78	0.41	10.18	22.44
		6	9.76	0.47	10.24	22.44
		7	9.72	0.51	10.24	22.44
		8	9.69	0.59	10.28	22.44
5300	60	0	3.71	0.07	3.78	22.44
		1	3.56	0.11	3.67	22.44
		2	3.54	0.16	3.70	22.44
		3	3.47	0.22	3.69	22.44
		4	3.43	0.33	3.76	22.44
		5	3.42	0.41	3.82	22.44
		6	3.36	0.47	3.84	22.44
		7	3.32	0.51	3.83	22.44
		8	3.24	0.59	3.83	22.44
5320	64	0	3.56	0.07	3.62	22.44
		1	3.43	0.11	3.54	22.44
		2	3.37	0.16	3.53	22.44
		3	3.38	0.22	3.60	22.44
		4	3.40	0.33	3.73	22.44
		5	3.29	0.41	3.70	22.44
		6	3.20	0.47	3.67	22.44
		7	3.17	0.51	3.68	22.44
		8	3.10	0.59	3.70	22.44

802.11ac _20MHz BW (UNII 2A)_ Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5260~5320)

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	9.79	0.07	9.86	22.98
		1	9.76	0.11	9.87	22.98
		2	9.57	0.16	9.73	22.98
		3	9.51	0.22	9.73	22.98
		4	9.40	0.33	9.73	22.98
		5	9.32	0.41	9.73	22.98
		6	9.32	0.47	9.80	22.98
		7	9.27	0.51	9.78	22.98
		8	9.22	0.59	9.81	22.98
5300	60	0	3.07	0.07	3.14	22.98
		1	2.73	0.11	2.83	22.98
		2	2.68	0.16	2.84	22.98
		3	2.92	0.22	3.14	22.98
		4	2.83	0.33	3.16	22.98
		5	2.47	0.41	2.87	22.98
		6	2.43	0.47	2.90	22.98
		7	2.69	0.51	3.21	22.98
		8	2.57	0.59	3.16	22.98
5320	64	0	2.65	0.07	2.71	22.98
		1	2.68	0.11	2.78	22.98
		2	2.88	0.16	3.04	22.98
		3	2.81	0.22	3.03	22.98
		4	2.71	0.33	3.04	22.98
		5	2.64	0.41	3.05	22.98
		6	2.60	0.47	3.07	22.98
		7	2.57	0.51	3.08	22.98
		8	2.51	0.59	3.10	22.98

802.11ac _20MHz BW (UNII 2A)_ Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5260~5320)

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	10.14	0.07	10.21	23.21
		1	10.11	0.11	10.22	23.21
		2	10.03	0.16	10.19	23.21
		3	9.98	0.22	10.21	23.21
		4	9.90	0.33	10.23	23.21
		5	9.80	0.41	10.20	23.21
		6	9.78	0.47	10.26	23.21
		7	9.73	0.51	10.25	23.21
		8	9.74	0.59	10.33	23.21
5300	60	0	3.52	0.07	3.59	23.21
		1	3.47	0.11	3.58	23.21
		2	3.58	0.16	3.74	23.21
		3	3.50	0.22	3.72	23.21
		4	3.45	0.33	3.78	23.21
		5	3.20	0.41	3.61	23.21
		6	3.19	0.47	3.66	23.21
		7	3.19	0.51	3.70	23.21
		8	3.21	0.59	3.80	23.21
5320	64	0	3.51	0.07	3.58	23.21
		1	3.49	0.11	3.60	23.21
		2	3.42	0.16	3.58	23.21
		3	3.38	0.22	3.60	23.21
		4	3.29	0.33	3.62	23.21
		5	3.21	0.41	3.62	23.21
		6	3.17	0.47	3.64	23.21
		7	3.08	0.51	3.59	23.21
		8	3.02	0.59	3.61	23.21

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5260~5320)

802.11ac(20MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5260	52	0	14.83	18.12
		1	14.86	18.12
		2	14.80	18.12
		3	14.81	18.12
		4	14.82	18.12
		5	14.81	18.12
		6	14.88	18.12
		7	14.87	18.12
		8	14.92	18.12
5300	60	0	8.28	18.12
		1	8.15	18.12
		2	8.22	18.12
		3	8.30	18.12
		4	8.35	18.12
		5	8.22	18.12
		6	8.26	18.12
		7	8.36	18.12
		8	8.38	18.12
5320	64	0	8.09	18.12
		1	8.09	18.12
		2	8.16	18.12
		3	8.19	18.12
		4	8.24	18.12
		5	8.24	18.12
		6	8.24	18.12
		7	8.23	18.12
		8	8.09	18.12

802.11ac _20MHz BW (UNII 2C) _Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5500~5700)

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.					
5500	100	0	4.49	0.07	4.56	22.87
		1	4.34	0.11	4.45	22.87
		2	4.30	0.16	4.46	22.87
		3	4.26	0.22	4.48	22.87
		4	4.18	0.33	4.51	22.87
		5	4.36	0.41	4.77	22.87
		6	4.06	0.47	4.53	22.87
		7	4.31	0.51	4.82	22.87
5580	116	0	10.35	0.07	10.42	22.87
		1	10.18	0.11	10.29	22.87
		2	10.29	0.16	10.45	22.87
		3	10.24	0.22	10.46	22.87
		4	10.14	0.33	10.47	22.87
		5	10.10	0.41	10.50	22.87
		6	9.91	0.47	10.38	22.87
		7	9.92	0.51	10.43	22.87
5720	144	0	11.29	0.07	11.36	22.87
		1	11.22	0.11	11.33	22.87
		2	11.25	0.16	11.41	22.87
		3	11.24	0.22	11.46	22.87
		4	11.14	0.33	11.47	22.87
		5	11.06	0.41	11.46	22.87
		6	11.01	0.47	11.49	22.87
		7	10.98	0.51	11.49	22.87
		8	10.89	0.59	11.48	22.87

802.11ac_20MHz BW (UNII 2C)_Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5500~5700)

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.					
5500	100	0	4.58	0.07	4.65	23.21
		1	4.29	0.11	4.40	23.21
		2	4.46	0.16	4.62	23.21
		3	4.37	0.22	4.60	23.21
		4	4.34	0.33	4.67	23.21
		5	4.19	0.41	4.60	23.21
		6	4.17	0.47	4.65	23.21
		7	3.93	0.51	4.44	23.21
5580	116	0	9.94	0.07	10.01	23.21
		1	10.01	0.11	10.12	23.21
		2	10.02	0.16	10.18	23.21
		3	9.82	0.22	10.05	23.21
		4	9.85	0.33	10.18	23.21
		5	9.66	0.41	10.06	23.21
		6	9.73	0.47	10.20	23.21
		7	9.82	0.51	10.33	23.21
5720	144	0	10.66	0.07	10.73	23.21
		1	10.71	0.11	10.82	23.21
		2	10.67	0.16	10.83	23.21
		3	10.60	0.22	10.82	23.21
		4	10.63	0.33	10.96	23.21
		5	10.44	0.41	10.85	23.21
		6	10.54	0.47	11.02	23.21
		7	10.37	0.51	10.88	23.21
		8	10.31	0.59	10.90	23.21

802.11ac _20MHz BW (UNII 2C) _Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5500~5700)

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.					
5500	100	0	4.89	0.07	4.95	23.21
		1	4.85	0.11	4.96	23.21
		2	4.79	0.16	4.95	23.21
		3	4.74	0.22	4.96	23.21
		4	4.66	0.33	4.99	23.21
		5	4.57	0.41	4.98	23.21
		6	4.55	0.47	5.03	23.21
		7	4.50	0.51	5.02	23.21
		8	4.45	0.59	5.04	23.21
5580	116	0	10.32	0.07	10.39	23.21
		1	10.26	0.11	10.37	23.21
		2	10.24	0.16	10.40	23.21
		3	10.19	0.22	10.41	23.21
		4	10.09	0.33	10.42	23.21
		5	10.03	0.41	10.44	23.21
		6	9.99	0.47	10.47	23.21
		7	9.97	0.51	10.49	23.21
		8	9.87	0.59	10.46	23.21
5720	144	0	11.38	0.07	11.45	23.21
		1	11.34	0.11	11.45	23.21
		2	11.28	0.16	11.44	23.21
		3	11.24	0.22	11.46	23.21
		4	11.13	0.33	11.46	23.21
		5	11.07	0.41	11.48	23.21
		6	11.05	0.47	11.52	23.21
		7	11.00	0.51	11.51	23.21
		8	10.91	0.59	11.50	23.21

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11ac_20MHz BW Mode: 5500~5700)

802.11ac(20MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5500	100	0	9.49	18.52
		1	9.38	18.52
		2	9.45	18.52
		3	9.46	18.52
		4	9.50	18.52
		5	9.56	18.52
		6	9.51	18.52
		7	9.54	18.52
		8	9.55	18.52
5580	116	0	15.05	18.52
		1	15.03	18.52
		2	15.12	18.52
		3	15.08	18.52
		4	15.13	18.52
		5	15.11	18.52
		6	15.12	18.52
		7	15.19	18.52
		8	15.19	18.52
5720	144	0	15.96	18.52
		1	15.98	18.52
		2	16.01	18.52
		3	16.03	18.52
		4	16.07	18.52
		5	16.04	18.52
		6	16.12	18.52
		7	16.07	18.52
		8	15.96	18.52

802.11ac _20MHz BW (UNII 3)_Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz Mode: 5745~5825)

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.					
5745	149	0	10.15	0.07	10.22	29.83
		1	10.10	0.11	10.21	29.83
		2	10.06	0.16	10.22	29.83
		3	10.01	0.22	10.24	29.83
		4	9.96	0.33	10.28	29.83
		5	9.88	0.41	10.28	29.83
		6	9.84	0.47	10.32	29.83
		7	9.80	0.51	10.32	29.83
5785	157	0	7.84	0.07	7.91	29.83
		1	7.85	0.11	7.96	29.83
		2	7.72	0.16	7.88	29.83
		3	7.77	0.22	7.99	29.83
		4	7.70	0.33	8.03	29.83
		5	7.63	0.41	8.04	29.83
		6	7.59	0.47	8.07	29.83
		7	7.56	0.51	8.07	29.83
5825	165	0	7.52	0.07	7.58	29.83
		1	7.51	0.11	7.62	29.83
		2	7.48	0.16	7.64	29.83
		3	7.45	0.22	7.67	29.83
		4	7.39	0.33	7.72	29.83
		5	7.27	0.41	7.68	29.83
		6	7.27	0.47	7.74	29.83
		7	7.23	0.51	7.75	29.83
		8	7.18	0.59	7.77	29.83

802.11ac _20MHz BW (UNII 3)_Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz Mode: 5745~5825)

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.					
5745	149	0	9.71	0.07	9.78	30.00
		1	9.67	0.11	9.78	30.00
		2	9.59	0.16	9.75	30.00
		3	9.53	0.22	9.75	30.00
		4	9.50	0.33	9.83	30.00
		5	9.44	0.41	9.84	30.00
		6	9.40	0.47	9.88	30.00
		7	9.32	0.51	9.84	30.00
5785	157	0	7.50	0.07	7.57	30.00
		1	7.48	0.11	7.59	30.00
		2	7.40	0.16	7.55	30.00
		3	7.26	0.22	7.48	30.00
		4	7.26	0.33	7.59	30.00
		5	7.13	0.41	7.53	30.00
		6	7.08	0.47	7.56	30.00
		7	7.07	0.51	7.58	30.00
5825	165	0	7.24	0.07	7.31	30.00
		1	7.08	0.11	7.19	30.00
		2	7.03	0.16	7.19	30.00
		3	7.05	0.22	7.27	30.00
		4	6.83	0.33	7.16	30.00
		5	6.83	0.41	7.23	30.00
		6	6.81	0.47	7.29	30.00
		7	6.80	0.51	7.31	30.00
		8	6.68	0.59	7.27	30.00

802.11ac _20MHz BW (UNII 3)_Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_20MHz Mode: 5745~5825)

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.					
5745	149	0	10.25	0.07	10.32	30.00
		1	10.18	0.11	10.29	30.00
		2	10.02	0.16	10.17	30.00
		3	10.08	0.22	10.30	30.00
		4	10.02	0.33	10.35	30.00
		5	9.94	0.41	10.35	30.00
		6	9.93	0.47	10.40	30.00
		7	9.88	0.51	10.39	30.00
5785	157	0	7.89	0.07	7.96	30.00
		1	7.61	0.11	7.72	30.00
		2	7.83	0.16	7.99	30.00
		3	7.79	0.22	8.01	30.00
		4	7.68	0.33	8.01	30.00
		5	7.61	0.41	8.02	30.00
		6	7.58	0.47	8.06	30.00
		7	7.55	0.51	8.07	30.00
5825	165	0	7.56	0.07	7.63	30.00
		1	7.52	0.11	7.63	30.00
		2	7.52	0.16	7.68	30.00
		3	7.43	0.22	7.66	30.00
		4	7.35	0.33	7.68	30.00
		5	7.25	0.41	7.66	30.00
		6	7.24	0.47	7.71	30.00
		7	7.18	0.51	7.69	30.00
		8	7.10	0.59	7.69	30.00

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11ac_20MHz Mode: 5745~5825)

802.11ac(20MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5745	149	0	14.88	25.74
		1	14.87	25.74
		2	14.82	25.74
		3	14.87	25.74
		4	14.93	25.74
		5	14.93	25.74
		6	14.98	25.74
		7	14.96	25.74
		8	14.96	25.74
5785	157	0	12.59	25.74
		1	12.53	25.74
		2	12.58	25.74
		3	12.60	25.74
		4	12.65	25.74
		5	12.64	25.74
		6	12.67	25.74
		7	12.68	25.74
		8	12.68	25.74
5825	165	0	12.28	25.74
		1	12.26	25.74
		2	12.28	25.74
		3	12.31	25.74
		4	12.30	25.74
		5	12.30	25.74
		6	12.36	25.74
		7	12.36	25.74
		8	12.28	25.74

■ 802.11n_40 MHz BW Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5190~5230)

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	5.40	0.43	5.83	16.52
		1	5.45	0.40	5.85	16.52
		2	5.50	0.41	5.92	16.52
		3	5.66	0.35	6.00	16.52
		4	5.38	0.50	5.88	16.52
		5	5.27	0.61	5.88	16.52
		6	5.51	0.66	6.17	16.52
		7	5.18	0.72	5.90	16.52
5230	46	0	4.97	0.43	5.40	16.52
		1	4.90	0.40	5.31	16.52
		2	4.80	0.41	5.21	16.52
		3	5.00	0.35	5.35	16.52
		4	4.84	0.50	5.34	16.52
		5	4.75	0.61	5.36	16.52
		6	4.80	0.66	5.46	16.52
		7	4.63	0.72	5.35	16.52

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ 802.11n_40 MHz BW Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5190~5230)

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	5.10	0.44	5.54	16.65
		1	5.07	0.40	5.47	16.65
		2	5.05	0.41	5.46	16.65
		3	5.00	0.35	5.35	16.65
		4	5.01	0.50	5.51	16.65
		5	4.96	0.61	5.58	16.65
		6	4.79	0.66	5.45	16.65
		7	4.80	0.72	5.51	16.65
5230	46	0	4.76	0.44	5.20	16.65
		1	4.51	0.40	4.91	16.65
		2	4.59	0.41	5.01	16.65
		3	4.61	0.35	4.95	16.65
		4	4.50	0.50	5.00	16.65
		5	4.41	0.61	5.03	16.65
		6	4.37	0.66	5.03	16.65
		7	4.37	0.72	5.09	16.65

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ 802.11n_40 MHz BW Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5190~5230)

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	5.41	0.43	5.84	17.06
		1	5.34	0.40	5.74	17.06
		2	5.51	0.41	5.93	17.06
		3	5.51	0.35	5.85	17.06
		4	5.33	0.50	5.83	17.06
		5	5.23	0.61	5.85	17.06
		6	5.23	0.66	5.89	17.06
		7	5.14	0.72	5.86	17.06
5230	46	0	4.65	0.43	5.08	17.06
		1	4.71	0.40	5.11	17.06
		2	4.76	0.41	5.17	17.06
		3	4.80	0.35	5.15	17.06
		4	4.67	0.50	5.17	17.06
		5	4.52	0.61	5.13	17.06
		6	4.48	0.66	5.14	17.06
		7	4.46	0.72	5.17	17.06

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11n_40MHz Mode: 5190~5230)

802.11n(40MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5190	38	0	10.51	11.84
		1	10.46	11.84
		2	10.55	11.84
		3	10.51	11.84
		4	10.51	11.84
		5	10.54	11.84
		6	10.62	11.84
		7	10.53	11.84
5230	46	0	10.00	11.84
		1	9.88	11.84
		2	9.90	11.84
		3	9.92	11.84
		4	9.94	11.84
		5	9.95	11.84
		6	9.99	11.84
		7	9.98	11.84

802.11n _40MHz BW (UNII 2A) _Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5270~5310)

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	5.42	0.43	5.84	23.22
		1	5.63	0.40	6.04	23.22
		2	5.40	0.41	5.82	23.22
		3	5.48	0.35	5.83	23.22
		4	5.40	0.50	5.90	23.22
		5	5.49	0.61	6.10	23.22
		6	5.38	0.66	6.04	23.22
		7	5.15	0.72	5.87	23.22
5310	62	0	5.41	0.43	5.84	23.22
		1	5.28	0.40	5.69	23.22
		2	5.29	0.41	5.70	23.22
		3	5.34	0.35	5.69	23.22
		4	5.28	0.50	5.78	23.22
		5	5.13	0.61	5.74	23.22
		6	5.11	0.66	5.77	23.22
		7	5.09	0.72	5.80	23.22

802.11n _40MHz BW (UNII 2A) _Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5270~5310)

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	5.26	0.44	5.70	23.74
		1	5.29	0.40	5.69	23.74
		2	5.28	0.41	5.69	23.74
		3	5.37	0.35	5.72	23.74
		4	5.20	0.50	5.71	23.74
		5	5.11	0.61	5.72	23.74
		6	5.18	0.66	5.84	23.74
		7	5.05	0.72	5.77	23.74
5310	62	0	5.18	0.44	5.62	23.74
		1	5.24	0.40	5.65	23.74
		2	5.15	0.41	5.57	23.74
		3	5.13	0.35	5.48	23.74
		4	5.23	0.50	5.73	23.74
		5	4.95	0.61	5.56	23.74
		6	4.87	0.66	5.53	23.74
		7	4.81	0.72	5.52	23.74

802.11n _40MHz BW (UNII 2A) _Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5270~5310)

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	5.82	0.43	6.24	23.98
		1	5.85	0.40	6.25	23.98
		2	5.86	0.41	6.27	23.98
		3	5.94	0.35	6.29	23.98
		4	5.82	0.50	6.32	23.98
		5	5.64	0.61	6.25	23.98
		6	5.67	0.66	6.33	23.98
		7	5.64	0.72	6.35	23.98
5310	62	0	5.59	0.43	6.02	23.98
		1	5.61	0.40	6.01	23.98
		2	5.61	0.41	6.02	23.98
		3	5.67	0.35	6.02	23.98
		4	5.56	0.50	6.07	23.98
		5	5.44	0.61	6.05	23.98
		6	5.43	0.66	6.09	23.98
		7	5.34	0.72	6.05	23.98

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11n_40MHz Mode: 5270~5310)

802.11n(40MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5270	54	0	10.70	11.84
		1	10.77	11.84
		2	10.71	11.84
		3	10.72	11.84
		4	10.76	11.84
		5	10.80	11.84
		6	10.85	11.84
		7	10.78	11.84
5310	62	0	10.60	11.84
		1	10.56	11.84
		2	10.54	11.84
		3	10.51	11.84
		4	10.63	11.84
		5	10.56	11.84
		6	10.57	11.84
		7	10.57	11.84

802.11n _40MHz BW (UNII 2C) _Service port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5510~5670)

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.					
5510	102	0	2.62	0.43	3.05	23.64
		1	2.71	0.40	3.12	23.64
		2	2.72	0.41	3.14	23.64
		3	2.78	0.35	3.13	23.64
		4	2.70	0.50	3.21	23.64
		5	2.60	0.61	3.22	23.64
		6	2.52	0.66	3.18	23.64
		7	2.79	0.72	3.50	23.64
5550	110	0	7.73	0.43	8.16	23.64
		1	7.84	0.40	8.24	23.64
		2	7.89	0.41	8.30	23.64
		3	7.93	0.35	8.28	23.64
		4	7.85	0.50	8.35	23.64
		5	7.76	0.61	8.37	23.64
		6	7.72	0.66	8.38	23.64
		7	7.67	0.72	8.38	23.64
5710	142	0	12.72	0.43	13.15	23.64
		1	12.73	0.40	13.14	23.64
		2	12.71	0.41	13.12	23.64
		3	12.79	0.35	13.14	23.64
		4	12.68	0.50	13.18	23.64
		5	12.57	0.61	13.18	23.64
		6	12.52	0.66	13.18	23.64
		7	12.62	0.72	13.33	23.64

802.11n _40MHz BW (UNII 2C) _Service port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5510~5670)

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.					
5510	102	0	3.48	0.44	3.92	23.98
		1	3.56	0.40	3.96	23.98
		2	3.64	0.41	4.05	23.98
		3	3.68	0.35	4.02	23.98
		4	3.59	0.50	4.09	23.98
		5	3.45	0.61	4.07	23.98
		6	3.38	0.66	4.04	23.98
		7	3.37	0.72	4.09	23.98
5550	110	0	8.05	0.44	8.49	23.98
		1	8.14	0.40	8.54	23.98
		2	8.13	0.41	8.55	23.98
		3	8.03	0.35	8.38	23.98
		4	8.15	0.50	8.66	23.98
		5	7.99	0.61	8.60	23.98
		6	7.77	0.66	8.43	23.98
		7	7.73	0.72	8.45	23.98
5710	142	0	12.88	0.44	13.32	23.98
		1	12.76	0.40	13.16	23.98
		2	12.63	0.41	13.04	23.98
		3	12.68	0.35	13.03	23.98
		4	12.62	0.50	13.12	23.98
		5	12.54	0.61	13.15	23.98
		6	12.50	0.66	13.16	23.98
		7	12.57	0.72	13.29	23.98

802.11n _40MHz BW (UNII 2C) _Service port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5510~5670)

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.					
5510	102	0	3.38	0.43	3.81	23.98
		1	3.29	0.40	3.69	23.98
		2	3.40	0.41	3.82	23.98
		3	3.33	0.35	3.68	23.98
		4	3.14	0.50	3.64	23.98
		5	3.34	0.61	3.96	23.98
		6	3.31	0.66	3.97	23.98
		7	3.01	0.72	3.73	23.98
5550	110	0	8.02	0.43	8.45	23.98
		1	7.87	0.40	8.28	23.98
		2	8.10	0.41	8.51	23.98
		3	8.03	0.35	8.37	23.98
		4	7.82	0.50	8.32	23.98
		5	7.96	0.61	8.57	23.98
		6	7.77	0.66	8.43	23.98
		7	7.78	0.72	8.50	23.98
5710	142	0	12.76	0.43	13.19	23.98
		1	12.82	0.40	13.23	23.98
		2	12.80	0.41	13.22	23.98
		3	12.87	0.35	13.22	23.98
		4	12.81	0.50	13.31	23.98
		5	12.65	0.61	13.26	23.98
		6	12.61	0.66	13.28	23.98
		7	12.58	0.72	13.30	23.98

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11n_40MHz Mode: 5510~5670)

802.11n(40MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5510	102	0	8.38	19.29
		1	8.38	19.29
		2	8.46	19.29
		3	8.40	19.29
		4	8.43	19.29
		5	8.54	19.29
		6	8.52	19.29
		7	8.55	19.29
5550	110	0	13.14	19.29
		1	13.13	19.29
		2	13.23	19.29
		3	13.11	19.29
		4	13.22	19.29
		5	13.29	19.29
		6	13.18	19.29
		7	13.21	19.29
5710	142	0	17.99	19.29
		1	17.95	19.29
		2	17.90	19.29
		3	17.90	19.29
		4	17.98	19.29
		5	17.97	19.29
		6	17.98	19.29
		7	18.08	19.29

802.11n_40MHz BW (UNII 3) Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5755~5795)

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.					
5755	151	0	9.78	0.43	10.21	29.83
		1	9.83	0.40	10.23	29.83
		2	9.90	0.41	10.31	29.83
		3	10.02	0.35	10.36	29.83
		4	9.68	0.50	10.18	29.83
		5	9.57	0.61	10.18	29.83
		6	9.50	0.66	10.16	29.83
		7	9.49	0.72	10.21	29.83
5795	159	0	9.85	0.43	10.28	29.83
		1	9.74	0.40	10.15	29.83
		2	9.79	0.41	10.20	29.83
		3	9.79	0.35	10.14	29.83
		4	9.70	0.50	10.20	29.83
		5	9.56	0.61	10.17	29.83
		6	9.75	0.66	10.41	29.83
		7	9.54	0.72	10.26	29.83

802.11n_40MHz BW (UNII 3) Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5755~5795)

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.					
5755	151	0	9.03	0.44	9.47	30.00
		1	9.08	0.40	9.48	30.00
		2	8.81	0.41	9.22	30.00
		3	8.92	0.35	9.27	30.00
		4	8.98	0.50	9.48	30.00
		5	8.89	0.61	9.50	30.00
		6	8.58	0.66	9.24	30.00
		7	8.77	0.72	9.49	30.00
5795	159	0	9.02	0.44	9.46	30.00
		1	9.14	0.40	9.54	30.00
		2	9.16	0.41	9.57	30.00
		3	9.25	0.35	9.59	30.00
		4	9.11	0.50	9.61	30.00
		5	9.00	0.61	9.61	30.00
		6	8.86	0.66	9.52	30.00
		7	8.91	0.72	9.63	30.00

802.11n_40MHz BW (UNII 3) Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11n_40MHz Mode: 5755~5795)

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.					
5755	151	0	9.51	0.43	9.94	30.00
		1	9.51	0.40	9.91	30.00
		2	9.52	0.41	9.94	30.00
		3	9.61	0.35	9.95	30.00
		4	9.49	0.50	9.99	30.00
		5	9.36	0.61	9.97	30.00
		6	9.34	0.66	10.00	30.00
		7	9.29	0.72	10.01	30.00
5795	159	0	9.81	0.43	10.24	30.00
		1	9.70	0.40	10.11	30.00
		2	9.62	0.41	10.04	30.00
		3	9.73	0.35	10.08	30.00
		4	9.58	0.50	10.08	30.00
		5	9.48	0.61	10.09	30.00
		6	9.44	0.66	10.10	30.00
		7	9.38	0.72	10.10	30.00

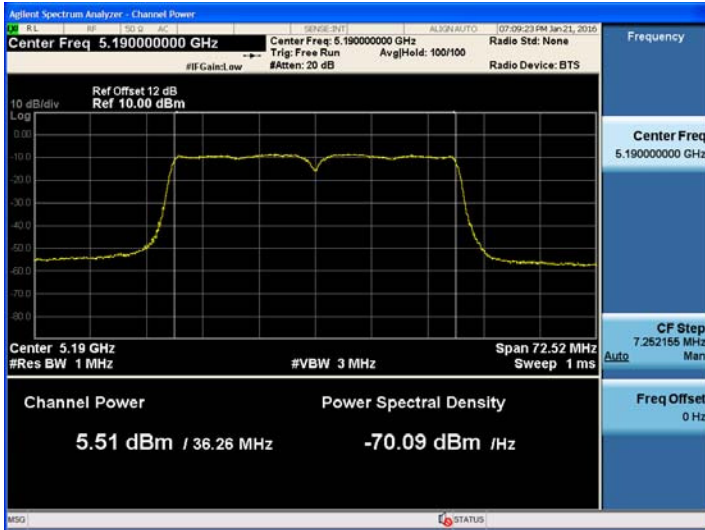
■ **TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port**

Conducted Output Power Measurements (802.11n_40MHz Mode: 5755~5795)

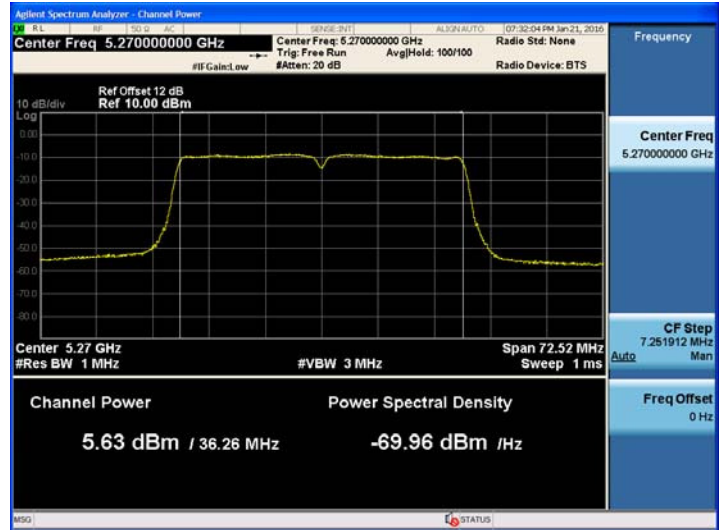
802.11n(40MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5755	151	0	14.66	25.74
		1	14.66	25.74
		2	14.62	25.74
		3	14.65	25.74
		4	14.66	25.74
		5	14.66	25.74
		6	14.59	25.74
		7	14.69	25.74
5795	159	0	14.78	25.74
		1	14.71	25.74
		2	14.72	25.74
		3	14.71	25.74
		4	14.74	25.74
		5	14.73	25.74
		6	14.80	25.74
		7	14.78	25.74

TEST Plot for 802.11n_40MHz BW_Service Port Ant.0

802.11n_40 MHz BW UNII 1 BAND Average Power



802.11n_40 MHz BW UNII 2A BAND Average Power



802.11n_40 MHz BW UNII 2C BAND Average Power

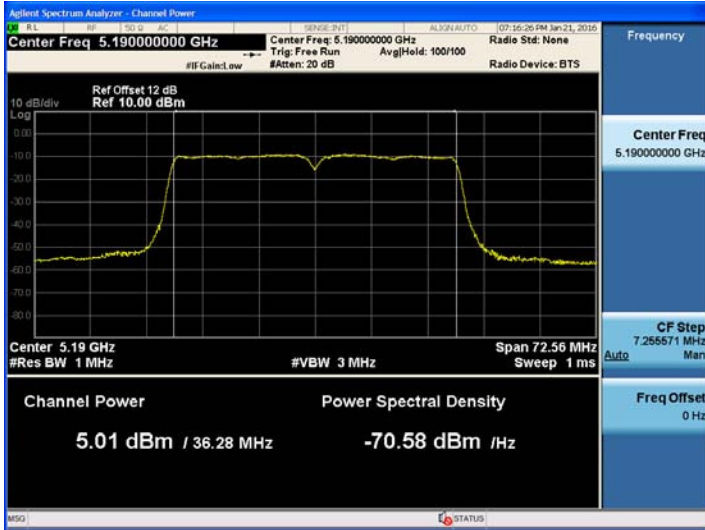


802.11n_40 MHz BW UNII 3 BAND Average Power

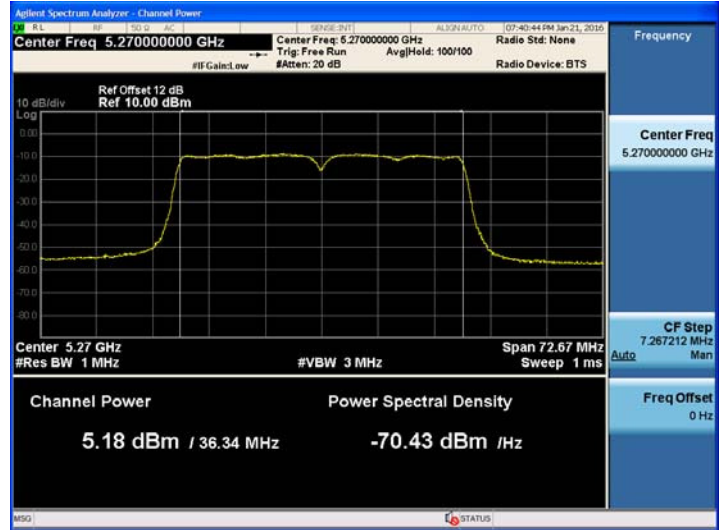


TEST Plot for 802.11n_40MHz BW_Service Port Ant.1

802.11n_40 MHz BW UNII 1 BAND Average Power



802.11n_40 MHz BW UNII 2A BAND Average Power



802.11n_40 MHz BW UNII 2C BAND Average Power

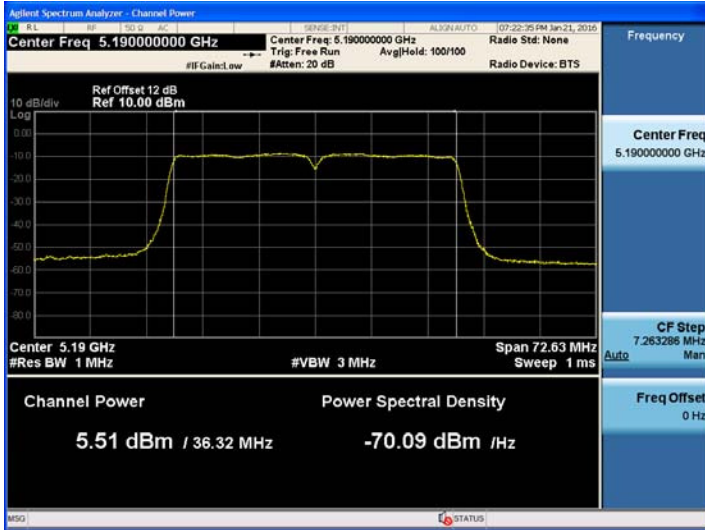


802.11n_40 MHz BW UNII 3 BAND Average Power

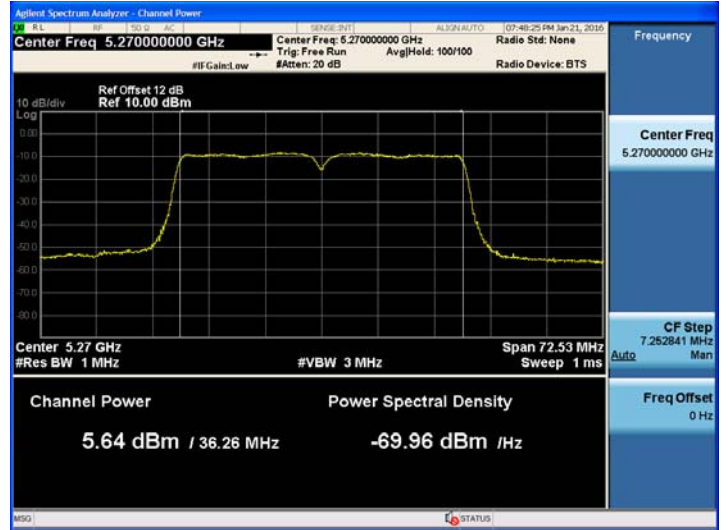


TEST Plot for 802.11n_40MHz BW_Service Port Ant.2

802.11n_40 MHz BW UNII 1 BAND Average Power



802.11n_40 MHz BW UNII 2A BAND Average Power



802.11n_40 MHz BW UNII 2C BAND Average Power



802.11n_40 MHz BW UNII 3 BAND Average Power



■ 802.11ac_40 MHz BW (UNII 1)_ Service port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5190~5230)

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	4.82	0.12	4.94	16.52
		1	4.65	0.23	4.88	16.52
		2	4.77	0.33	5.10	16.52
		3	4.72	0.45	5.17	16.52
		4	4.57	0.61	5.19	16.52
		5	4.46	0.77	5.24	16.52
		6	4.18	0.77	4.96	16.52
		7	4.24	0.84	5.07	16.52
		0	4.07	0.94	5.01	16.52
		1	4.11	0.97	5.08	16.52
5230	46	2	4.55	0.12	4.67	16.52
		3	4.66	0.23	4.89	16.52
		4	4.56	0.33	4.89	16.52
		5	4.54	0.45	4.99	16.52
		6	4.39	0.61	5.00	16.52
		7	4.23	0.77	5.01	16.52
		0	4.05	0.77	4.82	16.52
		1	4.19	0.84	5.03	16.52
		2	3.97	0.94	4.91	16.52
		3	4.00	0.97	4.97	16.52

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ 802.11ac_40 MHz BW (UNII 1)_ Service port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5190~5230)

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	4.12	0.14	4.26	16.65
		1	4.25	0.23	4.48	16.65
		2	4.13	0.33	4.45	16.65
		3	4.05	0.45	4.50	16.65
		4	3.87	0.61	4.49	16.65
		5	3.80	0.77	4.57	16.65
		6	3.71	0.77	4.48	16.65
		7	3.64	0.84	4.47	16.65
		0	3.73	0.94	4.67	16.65
		1	3.49	0.97	4.46	16.65
5230	46	2	4.16	0.14	4.30	16.65
		3	4.13	0.23	4.36	16.65
		4	4.03	0.33	4.36	16.65
		5	3.86	0.45	4.30	16.65
		6	3.74	0.61	4.35	16.65
		7	3.62	0.77	4.40	16.65
		0	3.59	0.77	4.36	16.65
		1	3.52	0.84	4.36	16.65
		2	3.37	0.94	4.31	16.65
		3	3.40	0.97	4.37	16.65

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ 802.11ac_40 MHz BW (UNII 1)_ Service port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5190~5230)

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	4.60	0.12	4.72	17.06
		1	4.50	0.23	4.73	17.06
		2	4.36	0.33	4.69	17.06
		3	4.28	0.45	4.73	17.06
		4	4.18	0.61	4.79	17.06
		5	4.02	0.77	4.79	17.06
		6	3.90	0.77	4.67	17.06
		7	3.99	0.84	4.82	17.06
		0	3.93	0.94	4.87	17.06
		1	3.98	0.97	4.95	17.06
5230	46	2	4.33	0.12	4.45	17.06
		3	4.50	0.23	4.73	17.06
		4	4.33	0.33	4.65	17.06
		5	4.10	0.45	4.55	17.06
		6	3.95	0.61	4.57	17.06
		7	4.12	0.77	4.90	17.06
		0	3.74	0.77	4.51	17.06
		1	3.66	0.84	4.50	17.06
		2	3.59	0.94	4.53	17.06
		3	3.72	0.97	4.69	17.06

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5190~5230)

802.11ac(40MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5190	38	0	9.42	11.84
		1	9.47	11.84
		2	9.53	11.84
		3	9.58	11.84
		4	9.60	11.84
		5	9.65	11.84
		6	9.48	11.84
		7	9.56	11.84
		0	9.62	11.84
		1	9.61	11.84
5230	46	2	9.25	11.84
		3	9.44	11.84
		4	9.41	11.84
		5	9.39	11.84
		6	9.42	11.84
		7	9.55	11.84
		0	9.34	11.84
		1	9.41	11.84
		2	9.36	11.84
		3	9.45	11.84

802.11ac _40MHz BW (UNII 2A)_Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5270~5310)

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	5.42	0.12	5.54	23.22
		1	5.63	0.23	5.86	23.22
		2	5.38	0.33	5.71	23.22
		3	5.07	0.45	5.51	23.22
		4	4.90	0.61	5.51	23.22
		5	4.88	0.77	5.66	23.22
		6	5.06	0.77	5.83	23.22
		7	4.87	0.84	5.71	23.22
		0	4.80	0.94	5.74	23.22
		1	4.75	0.97	5.72	23.22
5310	62	2	5.20	0.12	5.32	23.22
		3	5.38	0.23	5.61	23.22
		4	5.13	0.33	5.45	23.22
		5	5.30	0.45	5.74	23.22
		6	5.11	0.61	5.72	23.22
		7	5.04	0.77	5.82	23.22
		0	5.01	0.77	5.78	23.22
		1	4.89	0.84	5.73	23.22
		2	4.81	0.94	5.75	23.22
		3	4.79	0.97	5.76	23.22

802.11ac _40MHz BW (UNII 2A)_Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5270~5310)

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	5.28	0.14	5.41	23.74
		1	5.43	0.23	5.66	23.74
		2	5.23	0.33	5.56	23.74
		3	5.19	0.45	5.64	23.74
		4	5.03	0.61	5.64	23.74
		5	5.13	0.77	5.90	23.74
		6	4.84	0.77	5.62	23.74
		7	4.82	0.84	5.66	23.74
		0	4.96	0.94	5.90	23.74
		1	4.67	0.97	5.64	23.74
5310	62	2	5.24	0.14	5.37	23.74
		3	5.22	0.23	5.45	23.74
		4	5.28	0.33	5.61	23.74
		5	4.98	0.45	5.43	23.74
		6	5.08	0.61	5.69	23.74
		7	4.78	0.77	5.56	23.74
		0	4.87	0.77	5.64	23.74
		1	4.80	0.84	5.63	23.74
		2	4.67	0.94	5.61	23.74
		3	4.41	0.97	5.38	23.74

802.11ac _40MHz BW (UNII 2A)_Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5270~5310)

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	6.08	0.12	6.20	23.98
		1	5.95	0.23	6.18	23.98
		2	5.90	0.33	6.23	23.98
		3	5.82	0.45	6.27	23.98
		4	5.65	0.61	6.27	23.98
		5	5.51	0.77	6.28	23.98
		6	5.53	0.77	6.30	23.98
		7	5.36	0.84	6.19	23.98
		0	5.30	0.94	6.24	23.98
		1	5.21	0.97	6.18	23.98
5310	62	2	5.84	0.12	5.96	23.98
		3	5.73	0.23	5.96	23.98
		4	5.64	0.33	5.97	23.98
		5	5.58	0.45	6.03	23.98
		6	5.39	0.61	6.01	23.98
		7	5.28	0.77	6.06	23.98
		0	5.38	0.77	6.15	23.98
		1	5.14	0.84	5.97	23.98
		2	5.10	0.94	6.04	23.98
		3	5.13	0.97	6.10	23.98

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5270~5310)

802.11ac(40MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5270	54	0	10.50	11.84
		1	10.68	11.84
		2	10.61	11.84
		3	10.59	11.84
		4	10.59	11.84
		5	10.73	11.84
		6	10.70	11.84
		7	10.63	11.84
		0	10.74	11.84
		1	10.62	11.84
5310	62	2	10.33	11.84
		3	10.45	11.84
		4	10.45	11.84
		5	10.51	11.84
		6	10.58	11.84
		7	10.59	11.84
		0	10.63	11.84
		1	10.55	11.84
		2	10.57	11.84
		3	10.53	11.84

802.11ac _40MHz BW (UNII 2C)_Service port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5510~5670)

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.					
5510	102	0	3.18	0.12	3.30	23.22
		1	3.32	0.23	3.55	23.22
		2	3.10	0.33	3.42	23.22
		3	3.01	0.45	3.46	23.22
		4	2.98	0.61	3.59	23.22
		5	2.74	0.77	3.51	23.22
		6	2.95	0.77	3.72	23.22
		7	2.57	0.84	3.40	23.22
		0	2.71	0.94	3.65	23.22
		1	2.66	0.97	3.63	23.22
5550	110	2	8.30	0.12	8.42	23.22
		3	8.22	0.23	8.45	23.22
		4	8.11	0.33	8.44	23.22
		5	8.16	0.45	8.61	23.22
		6	8.13	0.61	8.75	23.22
		7	7.68	0.77	8.46	23.22
		0	7.66	0.77	8.43	23.22
		1	7.60	0.84	8.43	23.22
		2	7.42	0.94	8.36	23.22
		3	7.49	0.97	8.46	23.22
5710	142	4	12.94	0.12	13.06	23.22
		5	12.89	0.23	13.12	23.22
		6	12.80	0.33	13.13	23.22
		7	12.75	0.45	13.20	23.22
		0	12.60	0.61	13.22	23.22
		1	12.43	0.77	13.20	23.22
		2	12.41	0.77	13.18	23.22
		3	12.37	0.84	13.21	23.22
		4	12.19	0.94	13.13	23.22
		5	12.23	0.97	13.20	23.22

802.11ac _40MHz BW (UNII 2C)_Service port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5510~5670)

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.					
5510	102	0	3.62	0.14	3.76	23.74
		1	3.71	0.23	3.94	23.74
		2	3.62	0.33	3.95	23.74
		3	3.52	0.45	3.96	23.74
		4	3.41	0.61	4.03	23.74
		5	3.24	0.77	4.01	23.74
		6	3.27	0.77	4.05	23.74
		7	3.16	0.84	4.00	23.74
		0	3.19	0.94	4.13	23.74
		1	3.02	0.97	3.98	23.74
5550	110	2	8.54	0.14	8.68	23.74
		3	8.40	0.23	8.63	23.74
		4	8.18	0.33	8.51	23.74
		5	8.27	0.45	8.71	23.74
		6	8.08	0.61	8.69	23.74
		7	7.98	0.77	8.76	23.74
		0	7.91	0.77	8.68	23.74
		1	7.85	0.84	8.69	23.74
		2	7.67	0.94	8.61	23.74
		3	7.67	0.97	8.64	23.74
5710	142	4	12.91	0.14	13.04	23.74
		5	12.80	0.23	13.03	23.74
		6	12.94	0.33	13.27	23.74
		7	12.86	0.45	13.31	23.74
		0	12.57	0.61	13.19	23.74
		1	12.54	0.77	13.32	23.74
		2	12.45	0.77	13.22	23.74
		3	12.27	0.84	13.10	23.74
		4	12.30	0.94	13.24	23.74
		5	12.20	0.97	13.17	23.74

802.11ac _40MHz BW (UNII 2C)_Service port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5510~5670)

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.					
5510	102	0	3.63	0.12	3.75	23.98
		1	3.57	0.23	3.80	23.98
		2	3.50	0.33	3.83	23.98
		3	3.39	0.45	3.84	23.98
		4	3.27	0.61	3.88	23.98
		5	3.13	0.77	3.90	23.98
		6	3.05	0.77	3.82	23.98
		7	3.02	0.84	3.85	23.98
		0	2.89	0.94	3.83	23.98
		1	2.91	0.97	3.88	23.98
5550	110	2	8.12	0.12	8.24	23.98
		3	8.14	0.23	8.37	23.98
		4	7.91	0.33	8.23	23.98
		5	7.97	0.45	8.41	23.98
		6	7.82	0.61	8.43	23.98
		7	7.67	0.77	8.44	23.98
		0	7.62	0.77	8.40	23.98
		1	7.58	0.84	8.42	23.98
		2	7.41	0.94	8.35	23.98
		3	7.54	0.97	8.51	23.98
5710	142	4	13.11	0.12	13.23	23.98
		5	12.97	0.23	13.20	23.98
		6	12.89	0.33	13.21	23.98
		7	12.84	0.45	13.29	23.98
		0	12.67	0.61	13.29	23.98
		1	12.58	0.77	13.35	23.98
		2	12.50	0.77	13.27	23.98
		3	12.45	0.84	13.28	23.98
		4	12.30	0.94	13.24	23.98
		5	12.29	0.97	13.26	23.98

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5510~5670)

802.11ac(40MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5510	102	0	8.38	19.29
		1	8.54	19.29
		2	8.51	19.29
		3	8.53	19.29
		4	8.61	19.29
		5	8.58	19.29
		6	8.64	19.29
		7	8.53	19.29
		0	8.65	19.29
		1	8.60	19.29
5550	110	2	13.22	19.29
		3	13.26	19.29
		4	13.17	19.29
		5	13.35	19.29
		6	13.40	19.29
		7	13.33	19.29
		0	13.28	19.29
		1	13.29	19.29
		2	13.21	19.29
		3	13.31	19.29
5710	142	4	17.88	19.29
		5	17.89	19.29
		6	17.97	19.29
		7	18.04	19.29
		0	18.00	19.29
		1	18.06	19.29
		2	17.99	19.29
		3	17.97	19.29
		4	17.97	19.29
		5	17.98	19.29
6	17.88	19.29		

802.11ac _40MHz BW (UNII 3)_Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5755~5795)

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.					
5755	151	0	11.67	0.12	11.79	29.83
		1	11.58	0.23	11.81	29.83
		2	11.56	0.33	11.89	29.83
		3	11.44	0.45	11.89	29.83
		4	11.30	0.61	11.92	29.83
		5	11.16	0.77	11.93	29.83
		6	11.09	0.77	11.86	29.83
		7	11.10	0.84	11.93	29.83
		0	10.90	0.94	11.83	29.83
		1	10.87	0.97	11.84	29.83
5795	159	2	9.91	0.12	10.03	29.83
		3	9.80	0.23	10.03	29.83
		4	9.68	0.33	10.01	29.83
		5	9.69	0.45	10.14	29.83
		6	9.52	0.61	10.14	29.83
		7	9.41	0.77	10.18	29.83
		0	9.24	0.77	10.01	29.83
		1	9.38	0.84	10.22	29.83
		2	9.23	0.94	10.17	29.83
		3	9.21	0.97	10.18	29.83

802.11ac _40MHz BW (UNII 3)_Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5755~5795)

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.					
5755	151	0	10.74	0.14	10.88	30.00
		1	10.74	0.23	10.97	30.00
		2	10.60	0.33	10.93	30.00
		3	10.54	0.45	10.98	30.00
		4	10.38	0.61	10.99	30.00
		5	10.14	0.77	10.91	30.00
		6	10.11	0.77	10.88	30.00
		7	9.98	0.84	10.82	30.00
		0	9.98	0.94	10.92	30.00
		1	10.17	0.97	11.14	30.00
5795	159	2	8.92	0.14	9.05	30.00
		3	8.99	0.23	9.22	30.00
		4	8.65	0.33	8.97	30.00
		5	8.73	0.45	9.18	30.00
		6	8.58	0.61	9.19	30.00
		7	8.37	0.77	9.14	30.00
		0	8.38	0.77	9.15	30.00
		1	8.35	0.84	9.19	30.00
		2	8.13	0.94	9.07	30.00
		3	8.30	0.97	9.27	30.00

802.11ac _40MHz BW (UNII 3)_Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5755~5795)

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.					
5755	151	0	11.32	0.12	11.44	30.00
		1	11.27	0.23	11.50	30.00
		2	11.24	0.33	11.57	30.00
		3	11.08	0.45	11.53	30.00
		4	11.06	0.61	11.67	30.00
		5	10.96	0.77	11.73	30.00
		6	10.79	0.77	11.56	30.00
		7	10.80	0.84	11.64	30.00
		0	10.67	0.94	11.61	30.00
		1	10.67	0.97	11.64	30.00
5795	159	2	9.67	0.12	9.79	30.00
		3	9.59	0.23	9.82	30.00
		4	9.32	0.33	9.65	30.00
		5	9.44	0.45	9.88	30.00
		6	9.25	0.61	9.86	30.00
		7	9.15	0.77	9.92	30.00
		0	9.09	0.77	9.86	30.00
		1	9.01	0.84	9.84	30.00
		2	8.90	0.94	9.84	30.00
		3	8.87	0.97	9.84	30.00

■ **TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port**

Conducted Output Power Measurements (802.11ac_40MHz Mode: 5755~5795)

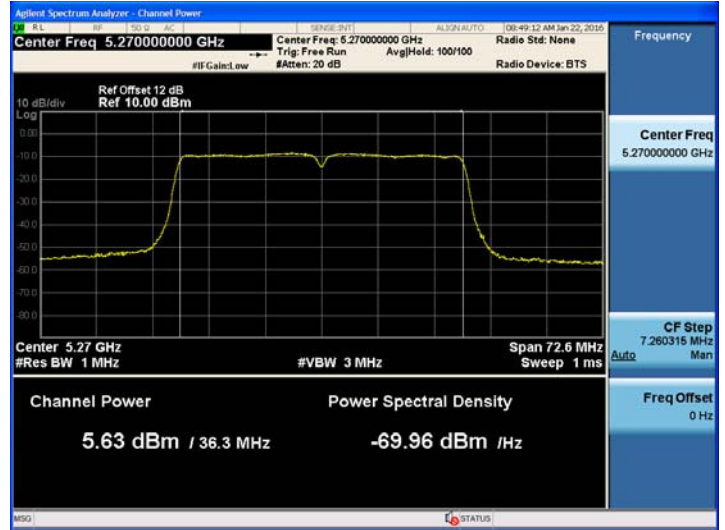
802.11ac(40MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5755	151	0	16.16	25.74
		1	16.21	25.74
		2	16.25	25.74
		3	16.25	25.74
		4	16.32	25.74
		5	16.32	25.74
		6	16.22	25.74
		7	16.26	25.74
		0	16.24	25.74
		1	16.32	25.74
5795	159	2	14.41	25.74
		3	14.47	25.74
		4	14.34	25.74
		5	14.52	25.74
		6	14.52	25.74
		7	14.54	25.74
		0	14.46	25.74
		1	14.54	25.74
		2	14.49	25.74
		3	14.55	25.74

TEST Plot for 802.11ac_40MHz BW_Service Port Ant.0

802.11ac_40 MHz BW UNII 1 BAND Average Power



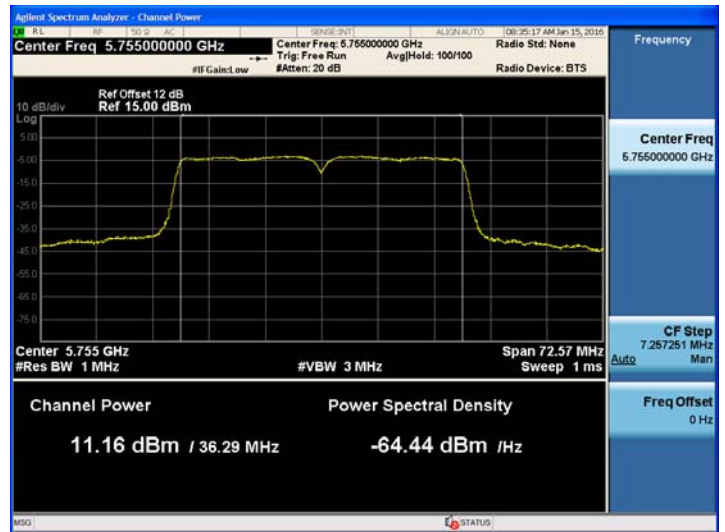
802.11ac_40 MHz BW UNII 2A BAND Average Power



802.11ac_40 MHz BW UNII 2C BAND Average Power

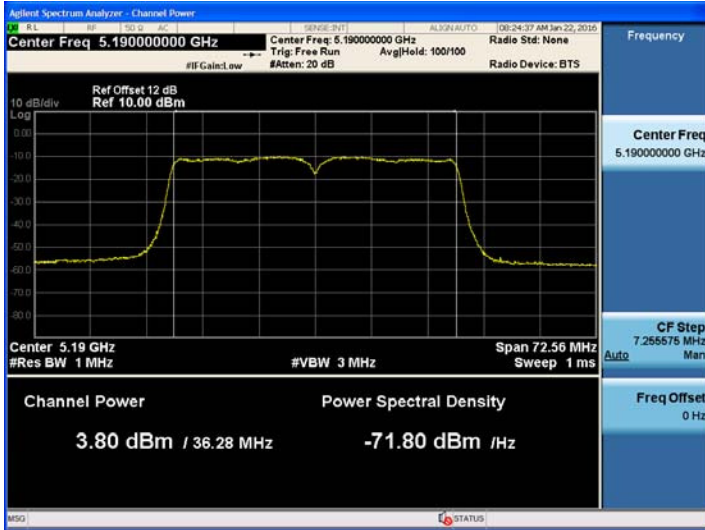


802.11ac_40 MHz BW UNII 3 BAND Average Power

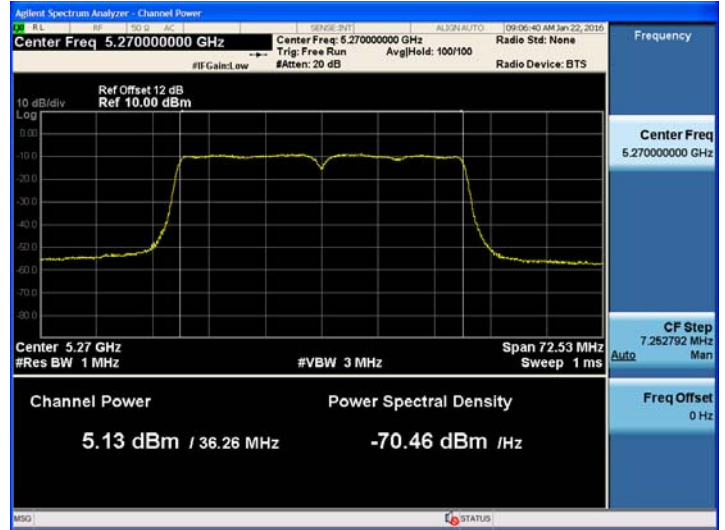


TEST Plot for 802.11ac_40MHz BW_Service Port Ant.1

802.11ac_40 MHz BW UNII 1 BAND Average Power



802.11ac_40 MHz BW UNII 2A BAND Average Power



802.11ac_40 MHz BW UNII 2C BAND Average Power



802.11ac_40 MHz BW UNII 3 BAND Average Power

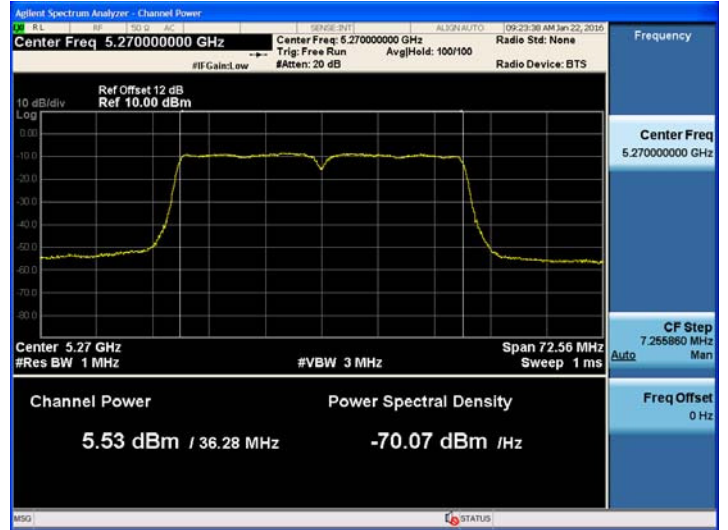


TEST Plot for 802.11ac_40MHz BW_Service Port Ant.1

802.11ac_40 MHz BW UNII 1 BAND Average Power



802.11ac_40 MHz BW UNII 2A BAND Average Power



802.11ac_40 MHz BW UNII 2C BAND Average Power



802.11ac_40 MHz BW UNII 3 BAND Average Power



■ 802.11ac_80 MHz BW(UNII 1)_Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5210)

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	1	3.89	0.27	4.16	16.52
		2	3.71	0.44	4.15	16.52
		3	3.67	0.63	4.30	16.52
		4	3.45	0.75	4.21	16.52
		5	3.29	0.97	4.26	16.52
		6	3.10	1.11	4.21	16.52
		7	2.99	1.20	4.19	16.52
		8	2.94	1.25	4.19	16.52
		9	2.79	1.36	4.16	16.52
		10	2.79	1.43	4.22	16.52

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ 802.11ac_80 MHz BW(UNII 1)_Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5210)

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	1	3.31	0.27	3.58	16.65
		2	3.19	0.44	3.63	16.65
		3	3.05	0.63	3.68	16.65
		4	2.97	0.75	3.72	16.65
		5	2.70	0.97	3.67	16.65
		6	2.63	1.11	3.74	16.65
		7	2.47	1.20	3.67	16.65
		8	2.45	1.25	3.70	16.65
		9	2.30	1.36	3.67	16.65
		10	2.26	1.43	3.69	16.65

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ 802.11ac_80 MHz BW(UNII 1)_Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5210)

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	1	3.64	0.27	3.90	17.06
		2	3.44	0.44	3.88	17.06
		3	3.31	0.63	3.94	17.06
		4	3.28	0.75	4.03	17.06
		5	3.00	0.97	3.97	17.06
		6	2.80	1.11	3.91	17.06
		7	2.88	1.20	4.08	17.06
		8	2.84	1.25	4.09	17.06
		9	2.70	1.36	4.06	17.06
		10	2.66	1.43	4.08	17.06

Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5210)

802.11ac(80MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5210	42	1	8.66	11.84
		2	8.66	11.84
		3	8.75	11.84
		4	8.76	11.84
		5	8.74	11.84
		6	8.73	11.84
		7	8.76	11.84
		8	8.77	11.84
		9	8.74	11.84
		10	8.77	11.84

802.11ac_80MHz BW (UNII 2A)_Service port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5290)

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	1	3.90	0.27	4.16	23.22
		2	3.78	0.44	4.22	23.22
		3	3.60	0.63	4.23	23.22
		4	3.57	0.75	4.32	23.22
		5	3.26	0.97	4.23	23.22
		6	3.15	1.11	4.26	23.22
		7	3.20	1.20	4.40	23.22
		8	3.04	1.25	4.29	23.22
		9	2.91	1.36	4.27	23.22
		10	2.97	1.43	4.39	23.22

802.11ac_80MHz BW (UNII 2A)_Service port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5290)

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	1	3.64	0.27	3.90	23.74
		2	3.46	0.44	3.90	23.74
		3	3.36	0.63	3.99	23.74
		4	3.22	0.75	3.98	23.74
		5	2.97	0.97	3.94	23.74
		6	2.88	1.11	4.00	23.74
		7	2.78	1.20	3.98	23.74
		8	2.72	1.25	3.97	23.74
		9	2.63	1.36	4.00	23.74
		10	2.56	1.43	3.99	23.74

802.11ac_80MHz BW (UNII 2A)_Service port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5290)

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	1	4.44	0.27	4.70	23.98
		2	4.28	0.44	4.72	23.98
		3	4.11	0.63	4.74	23.98
		4	3.92	0.75	4.67	23.98
		5	3.75	0.97	4.72	23.98
		6	3.62	1.11	4.73	23.98
		7	3.51	1.20	4.71	23.98
		8	3.47	1.25	4.72	23.98
		9	3.33	1.36	4.69	23.98
		10	3.31	1.43	4.74	23.98

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5290)

802.11ac(80MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5290	58	1	9.04	18.90
		2	9.06	18.90
		3	9.10	18.90
		4	9.10	18.90
		5	9.08	18.90
		6	9.11	18.90
		7	9.14	18.90
		8	9.11	18.90
		9	9.10	18.90
		10	9.16	18.90

802.11ac_80MHz BW (UNII 2C)_Service Port Ant.0

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5530 ~ 5690 MHz)

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.					
5530	106	1	0.19	0.27	0.45	23.64
		2	0.07	0.44	0.51	23.64
		3	-0.10	0.63	0.53	23.64
		4	-0.20	0.75	0.55	23.64
		5	-0.43	0.97	0.54	23.64
		6	-0.53	1.11	0.58	23.64
		7	-0.65	1.20	0.55	23.64
		8	-0.71	1.25	0.54	23.64
		9	-0.82	1.36	0.54	23.64
		10	-0.88	1.43	0.55	23.64
5690	138	1	13.03	0.27	13.30	23.64
		2	12.86	0.44	13.30	23.64
		3	12.66	0.63	13.29	23.64
		4	12.60	0.75	13.35	23.64
		5	12.40	0.97	13.37	23.64
		6	12.20	1.11	13.31	23.64
		7	12.14	1.20	13.34	23.64
		8	12.11	1.25	13.36	23.64
		9	11.94	1.36	13.30	23.64
		10	11.93	1.43	13.36	23.64

802.11ac_80MHz BW (UNII 2C)_Service Port Ant.1

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5530 ~ 5690 MHz)

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.					
5530	106	1	0.50	0.27	0.77	23.98
		2	0.31	0.44	0.75	23.98
		3	0.11	0.63	0.74	23.98
		4	0.35	0.75	1.10	23.98
		5	-0.30	0.97	0.67	23.98
		6	0.06	1.11	1.17	23.98
		7	-0.57	1.20	0.63	23.98
		8	-0.26	1.25	0.99	23.98
		9	-0.24	1.36	1.13	23.98
		10	-0.32	1.43	1.11	23.98
5690	138	1	12.64	0.27	12.90	23.98
		2	12.56	0.44	13.00	23.98
		3	12.41	0.63	13.04	23.98
		4	12.29	0.75	13.04	23.98
		5	12.08	0.97	13.05	23.98
		6	11.90	1.11	13.01	23.98
		7	11.86	1.20	13.06	23.98
		8	11.81	1.25	13.06	23.98
		9	11.68	1.36	13.04	23.98
		10	11.61	1.43	13.03	23.98

802.11ac_80MHz BW (UNII 2C)_Service Port Ant.2

■ TEST RESULTS

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5530 ~ 5690 MHz)

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.					
5530	106	1	0.72	0.27	0.99	23.98
		2	0.98	0.44	1.42	23.98
		3	0.38	0.63	1.01	23.98
		4	0.31	0.75	1.06	23.98
		5	0.04	0.97	1.01	23.98
		6	0.37	1.11	1.48	23.98
		7	0.25	1.20	1.45	23.98
		8	-0.22	1.25	1.02	23.98
		9	-0.35	1.36	1.02	23.98
		10	-0.39	1.43	1.04	23.98
5690	138	1	13.15	0.27	13.41	23.98
		2	13.05	0.44	13.49	23.98
		3	12.86	0.63	13.49	23.98
		4	12.77	0.75	13.52	23.98
		5	12.56	0.97	13.53	23.98
		6	12.39	1.11	13.51	23.98
		7	12.32	1.20	13.52	23.98
		8	12.25	1.25	13.50	23.98
		9	12.13	1.36	13.49	23.98
		10	12.07	1.43	13.49	23.98

■ TEST RESULTS_Sum Data of Ant.0, Ant.1 and Ant.2_Service Port

Conducted Output Power Measurements (802.11ac_80MHz Mode: 5530 ~ 5690 MHz)

802.11ac(80MHz) Mode		MCS Index	Sum Power of Ant.0 & 1&2	Limit (dBm)
Frequency[MHz]	Channel No.			
5530	106	1	5.51	19.29
		2	5.68	19.29
		3	5.54	19.29
		4	5.68	19.29
		5	5.52	19.29
		6	5.86	19.29
		7	5.67	19.29
		8	5.63	19.29
		9	5.68	19.29
		10	5.68	19.29
5690	138	1	17.98	19.29
		2	18.04	19.29
		3	18.05	19.29
		4	18.08	19.29
		5	18.09	19.29
		6	18.05	19.29
		7	18.08	19.29
		8	18.08	19.29
		9	18.05	19.29
		10	18.07	19.29