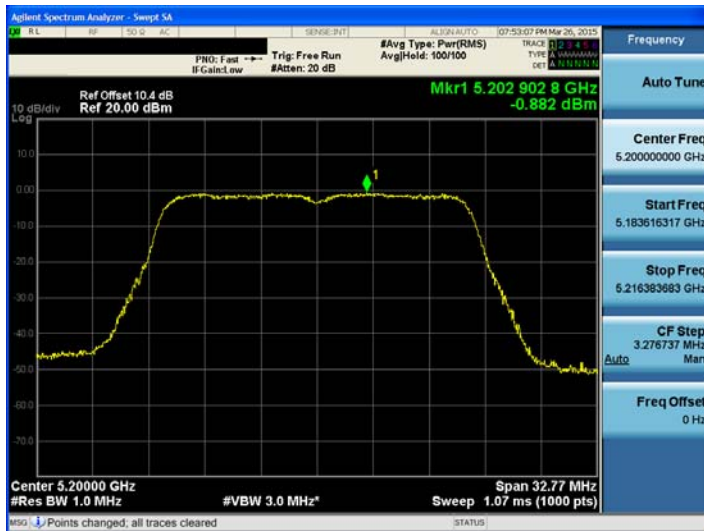
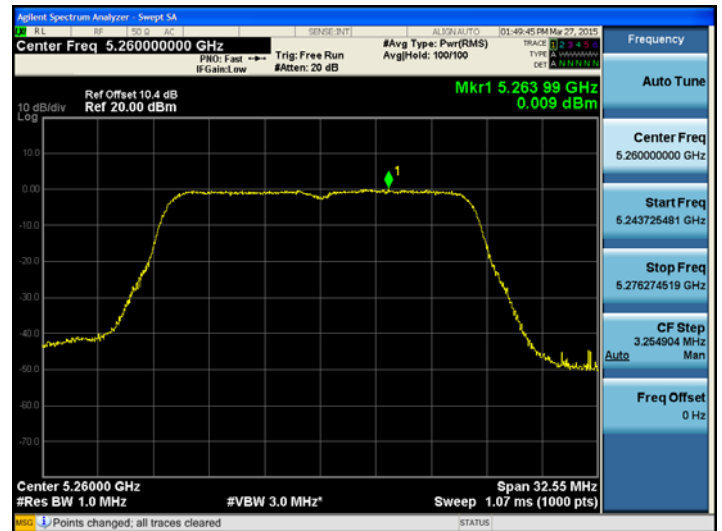


■ TEST Plot for 802.11ac 20MHz BW

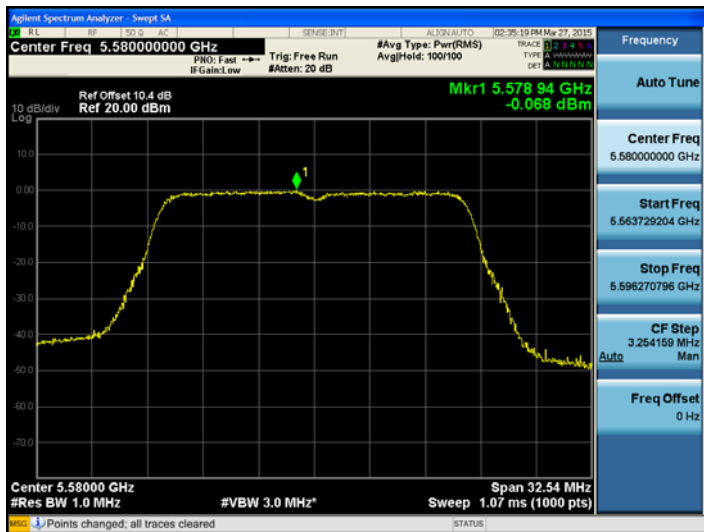
802.11ac_20MHz BW UNII 1 BAND PSD



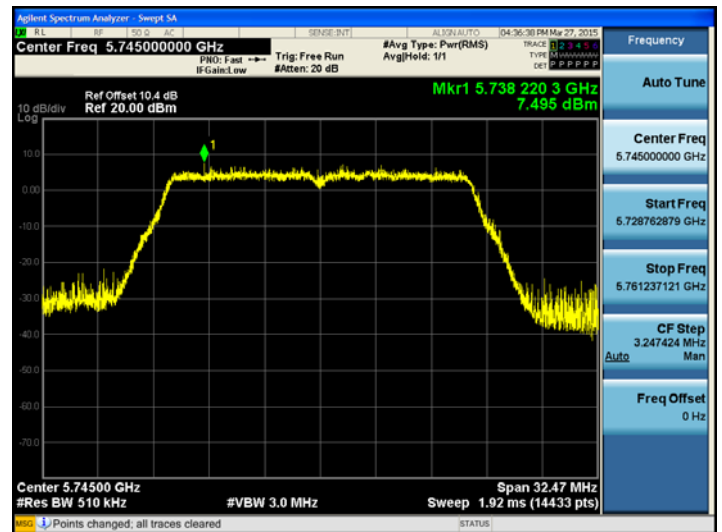
802.11ac_20MHz BW UNII 2A BAND PSD



802.11ac_20MHz BW UNII 2C BAND PSD



802.11ac_20MHz BW UNII 3 BAND PSD



■ 802.11a/n/ac_20MHz BW

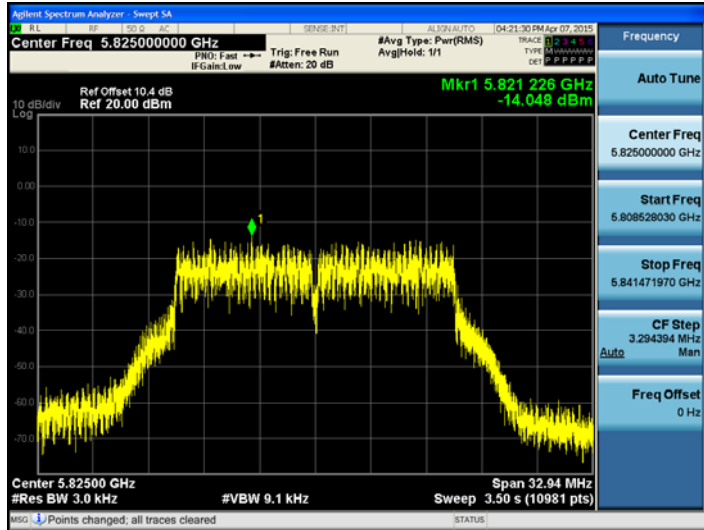
■ ADDITIONAL TEST RESULTS for IC

Conducted Power Density Measurements

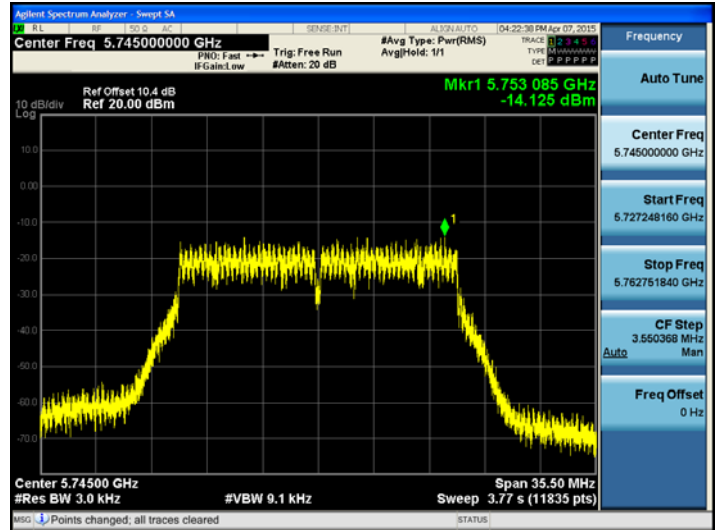
Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5745	149	802.11a	-14.271	8	Pass
5785	157		-14.077		Pass
5825	165		-14.048		Pass
5745	149	802.11n 20MHz BW	-14.125	8	Pass
5785	157		-14.290		Pass
5825	165		-14.346		Pass
5745	149	802.11ac 20MHz BW	-14.760	8	Pass
5785	157		-14.241		Pass
5825	165		-14.341		Pass

■ TEST Plot for 802.11_a/n/ac 20MHz BW(IC)

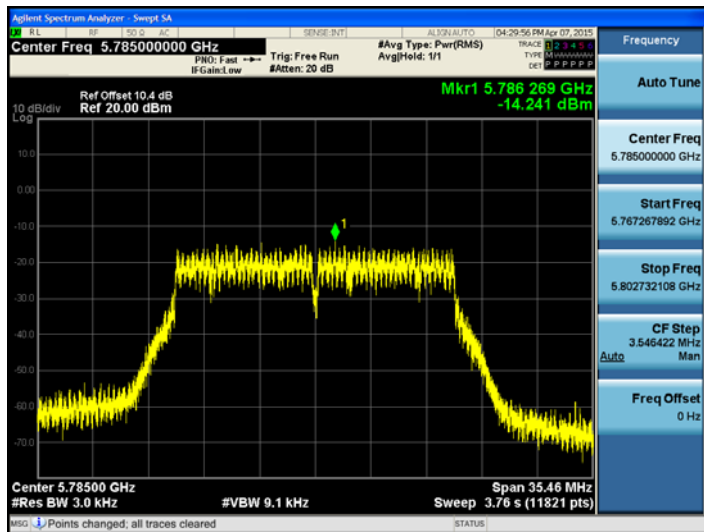
802.11a_20MHz BW UNII 3 BAND PSD



802.11n_20MHz BW UNII 3 BAND PSD



802.11ac_20MHz BW UNII 3 BAND PSD



802.11n_40MHz BW

TEST RESULTS

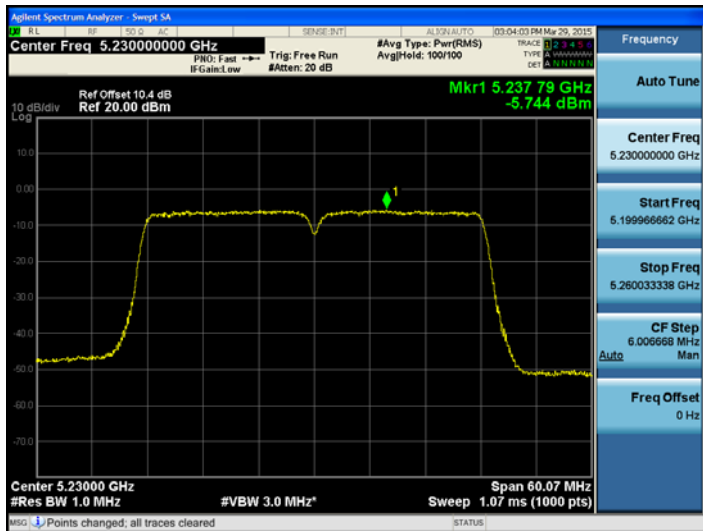
Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11n 40MHz BW	-7.262	2.241	-5.021	9.08	Pass
5230	46		-5.744	2.241	-3.503		Pass
5270	54		-6.084	1.452	-4.632	11	Pass
5310	62		-5.594	1.929	-3.665		Pass
5510	102		-7.345	2.541	-4.804	11	Pass
5550	110		-5.559	2.541	-3.018		Pass
5710	142		-5.728	1.929	-3.799		Pass
5755	151		2.171	1.452	3.623	30	Pass
5795	159		0.704	2.372	3.076		Pass

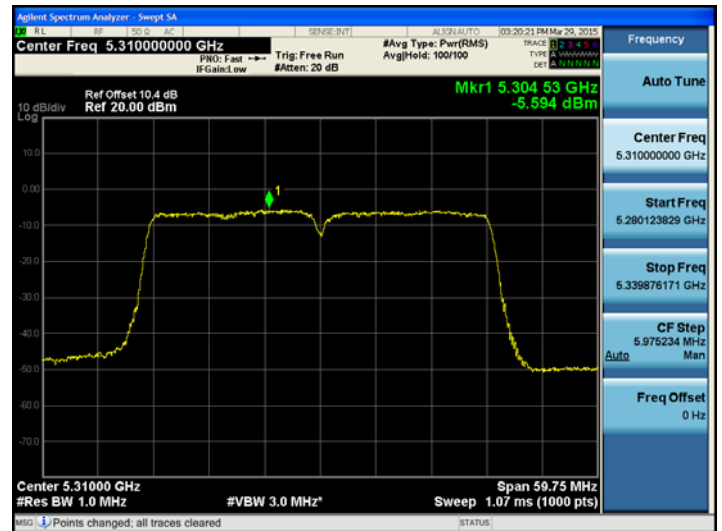
Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ TEST Plot for 802.11n 40MHz BW (FCC)

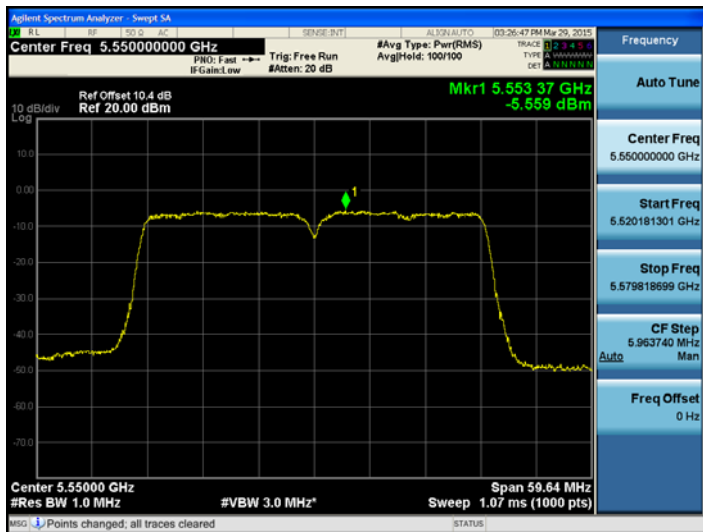
802.11n_40MHz BW UNII 1 BAND PSD



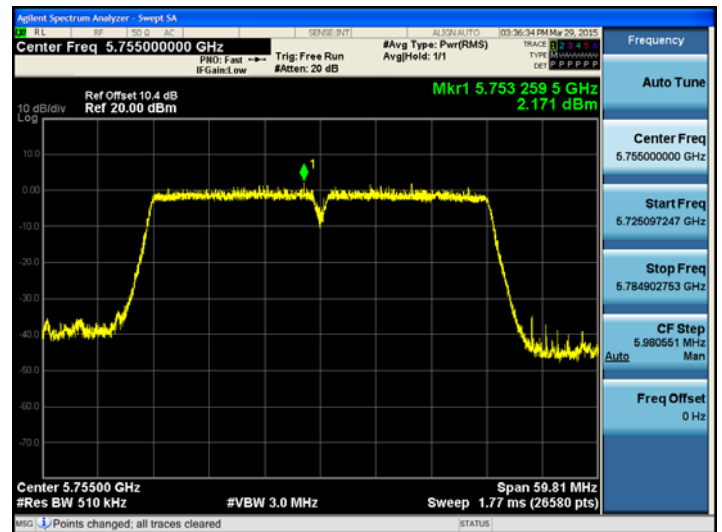
802.11n_40MHz BW UNII 2A BAND PSD



802.11n_40MHz BW UNII 2C BAND PSD



802.11n_40MHz BW UNII 3 BAND PSD



802.11ac_40MHz BW

TEST RESULTS

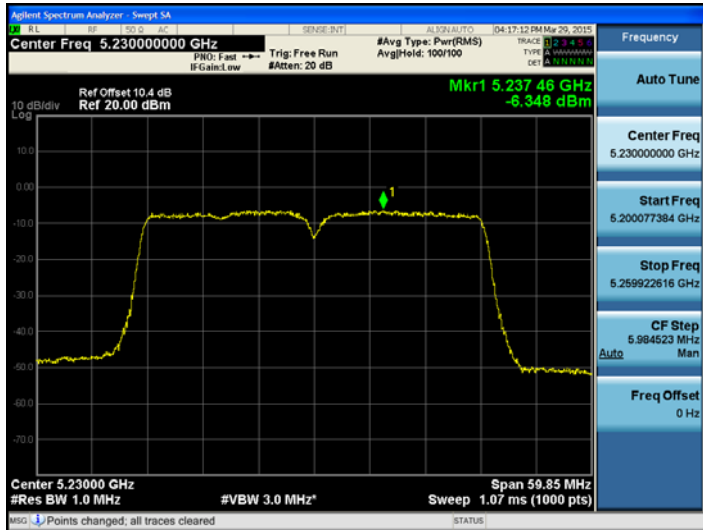
Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5190	38	802.11ac 40MHz BW	-7.616	2.831	-4.785	9.08	Pass
5230	46		-6.348	2.758	-3.590	11	Pass
5270	54		-5.724	2.369	-3.355		Pass
5310	62		-5.339	1.433	-3.906		Pass
5510	102		-7.948	2.501	-5.447	11	Pass
5550	110		-6.171	1.433	-4.738		Pass
5710	142		-6.188	1.433	-4.755		Pass
5755	151		1.855	1.881	3.736	30	Pass
5795	159		1.472	2.831	4.303		Pass

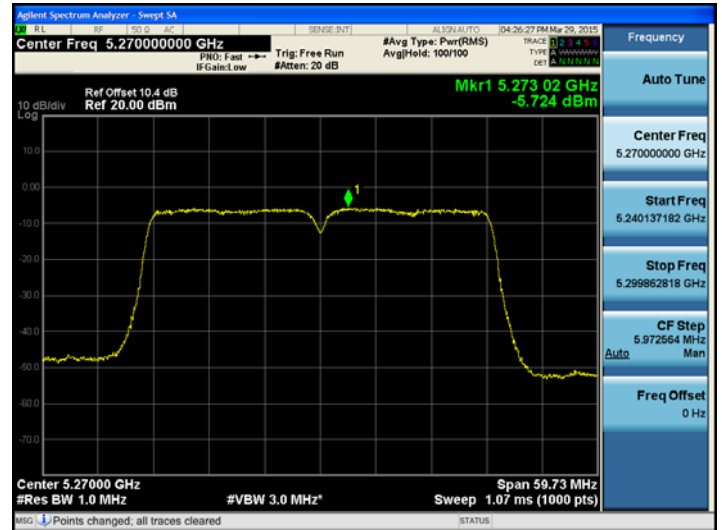
Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ TEST Plot for 802.11ac_40MHz BW (FCC)

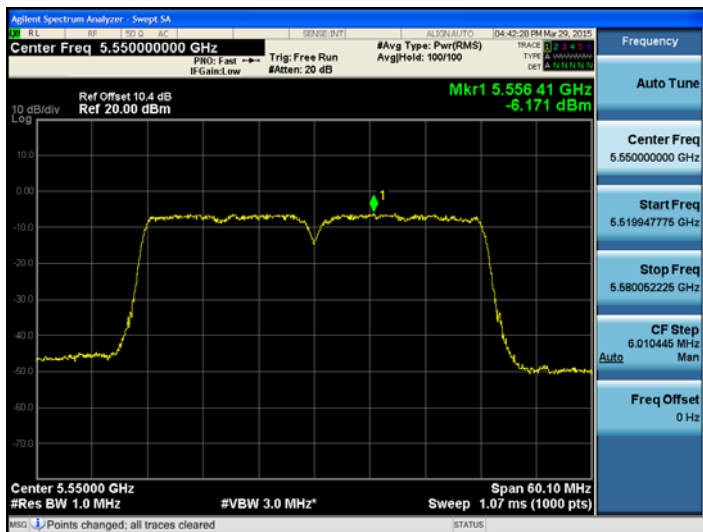
802.11ac_40MHz BW UNII 1 BAND PSD



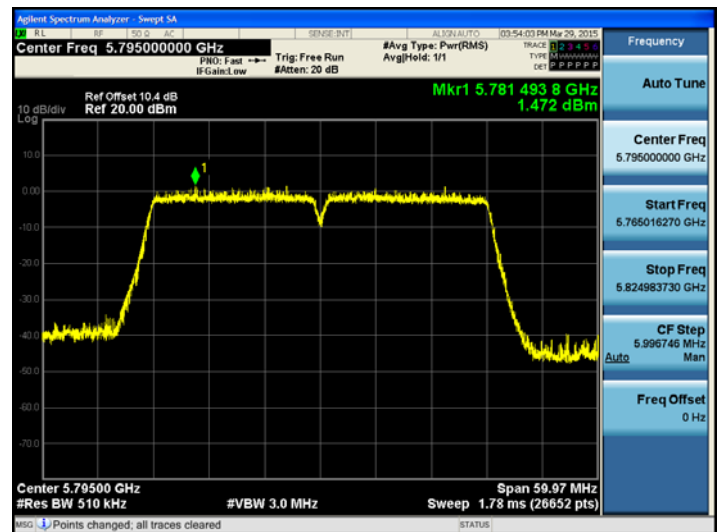
802.11ac_40MHz BW UNII 2A BAND PSD



802.11ac_40MHz BW UNII 2C BAND PSD



802.11ac_40MHz BW UNII 3 BAND PSD



802.11n/ac_40MHz BW

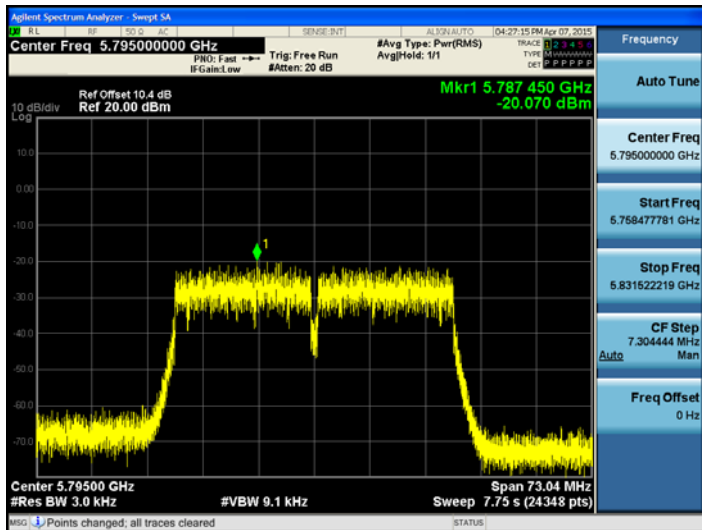
ADDITIONAL TEST RESULTS for IC

Conducted Power Density Measurements

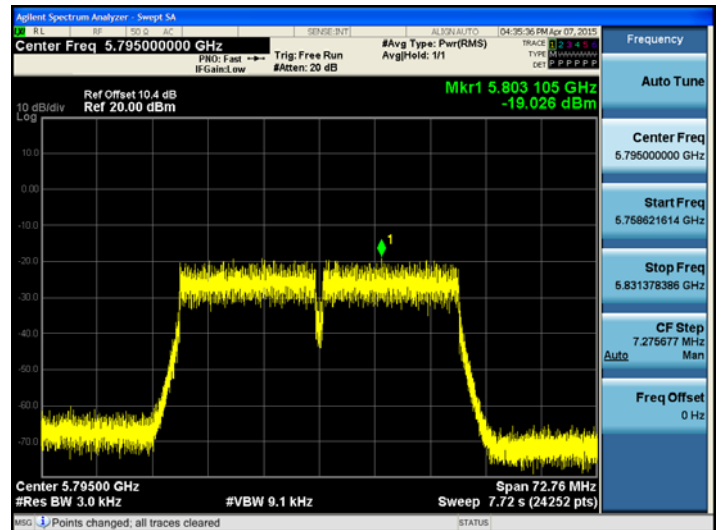
Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5755	151	802.11n 40MHz BW	-20.901	8	Pass
5795	159		-20.070		Pass
5755	151	802.11ac 40MHz BW	-19.068	8	Pass
5795	159		-19.026		Pass

TEST Plot for 802.11n/ac_40MHz BW(IC)

802.11n_40MHz BW UNII 3 BAND PSD



802.11ac_40MHz BW UNII 3 BAND PSD



■ 802.11ac_80MHz BW

■ TEST RESULTS

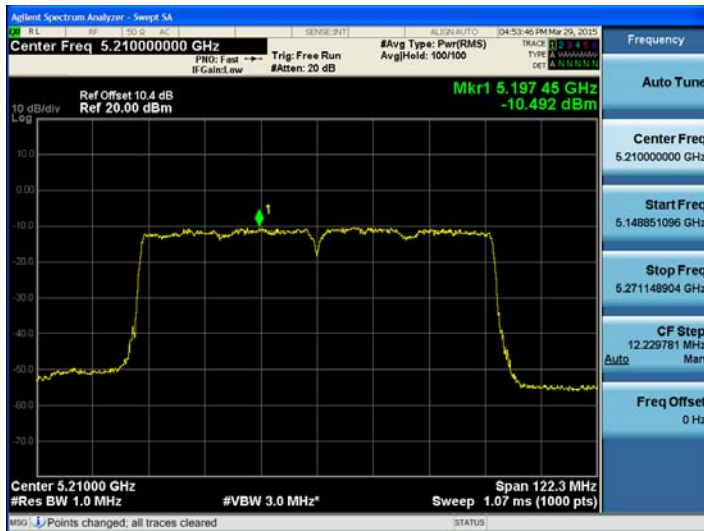
Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result				
			Measured Power Density (dBm)	Duty Cycle Factor (dB)	Measured Power Density(dBm) + Duty Cycle Factor	Limit (dBm)	Pass/Fail
5210	42	802.11ac 80MHz BW	-10.492	3.868	-6.624	4	Pass
5290	58		-8.745	2.831	-5.914	11	Pass
5530	106		-9.410	3.457	-5.953	11	Pass
5690	138		-8.442	2.831	-5.611	11	Pass
5775	155		-0.068	3.457	3.389	11	Pass

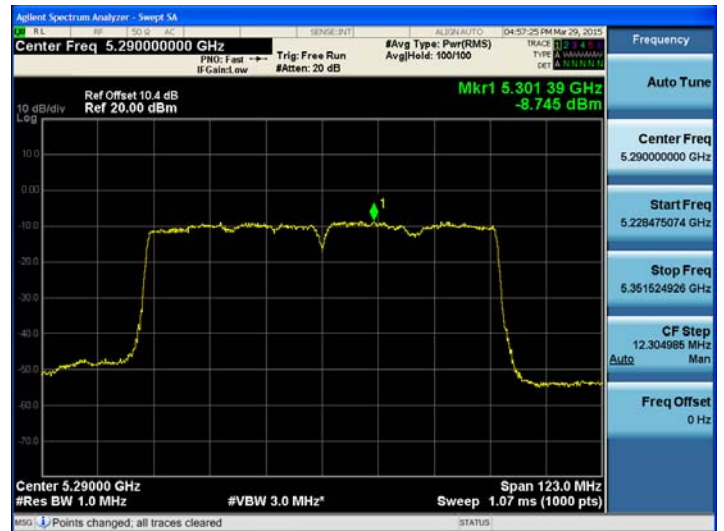
Note : In case of UNII 1 band, we applied IC limit instead of FCC limit because IC limit is worst case.

■ TEST Plot for 802.11ac_80MHz BW(FCC)

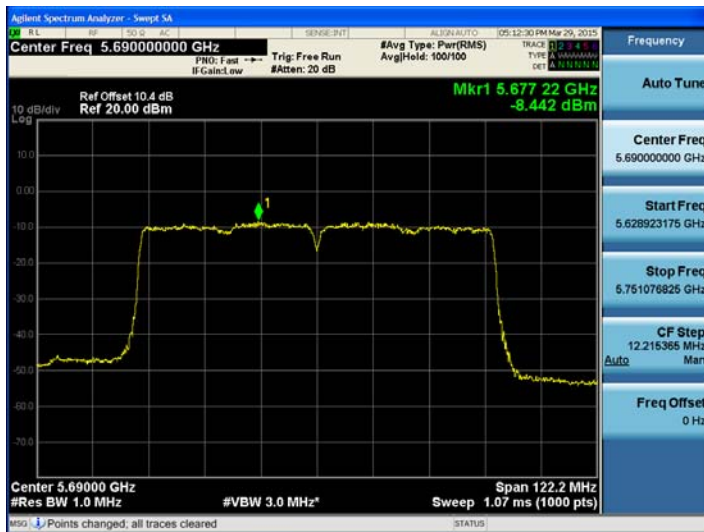
802.11ac_80MHz BW UNII 1 BAND PSD



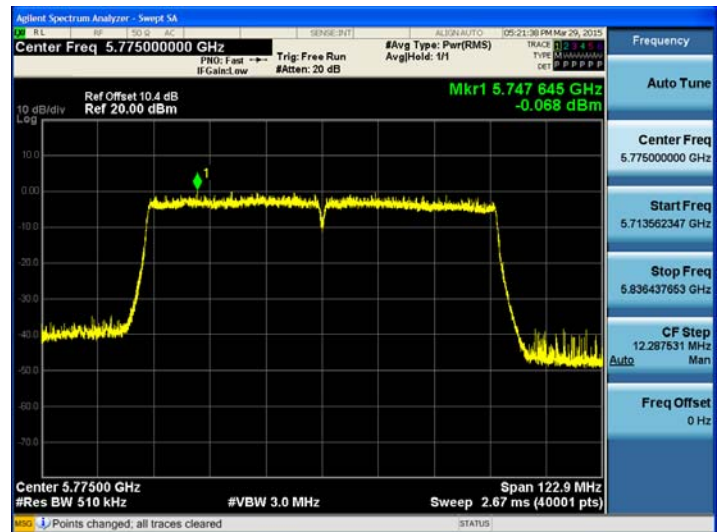
802.11ac_80MHz BW UNII 2A BAND PSD



802.11ac_80MHz BW UNII 2C BAND PSD



802.11ac_80MHz BW UNII 3 BAND PSD



802.11ac_80MHz BW

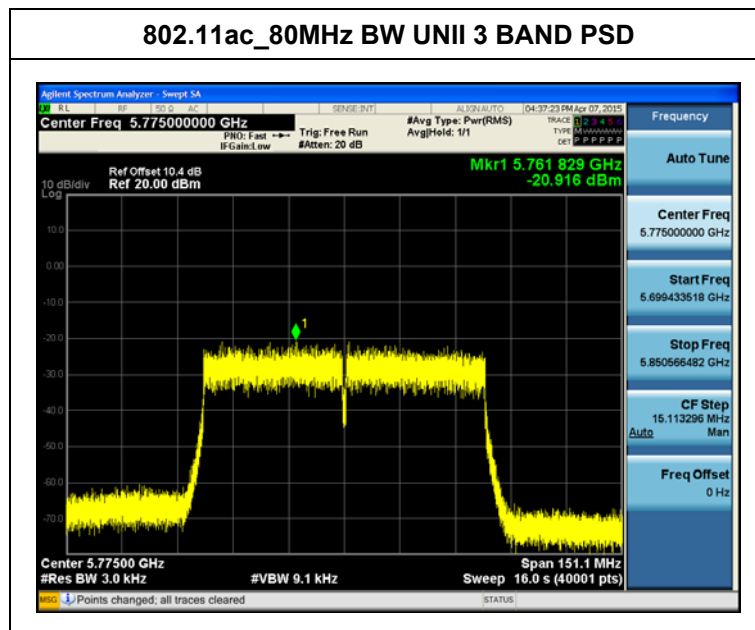
ADDITIONAL TEST RESULTS for IC

Conducted Power Density Measurements

Frequency (MHz)	Channel No.	Mode	Test Result		
			Measured Power Density (dBm)	Limit (dBm)	Pass/Fail
5775	155	802.11n 40MHz BW	-20.916	8	Pass

80MHz BW

TEST RESULTS



8.6 OUT OF BAND EMISSIONS AT THE BAND EDGE/ CONDUCTED SPURIOUS EMISSIONS

Test Requirements and limit, RSS-210-i8 A8.5(Only for UNII3 of IC)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under Section A8.4(4), the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in RSS-Gen is not required.

■ TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. (Procedure 11.0 in KDB 558074, issued 06/05/2014)

RBW = 100 kHz

VBW $\geq 3 \times$ RBW

Set span to encompass the spectrum to be examined

Detector = Peak

Trace Mode = max hold

Sweep time = auto couple

Ensure that the number of measurement points $\geq$ Span/RBW

Allow trace to fully stabilize.

Use peak marker function to determine the maximum amplitude level.

Measurements are made over the 30 MHz to 10th harmonic range with the transmitter set to the lowest, middle, and highest channels.

Note :

1. The band edge results in plot is already including the actual values of loss for the attenuator and cable combination.
2. Spectrum offset = Attenuator loss + Cable loss
3. We apply to the offset in the UNII3 band that was rounded off to the closest tenth dB.

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

Band	Loss(dB)
UNII 1, 3	10.4

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

4. In case of conducted spurious emissions test, please check factors blow table.

5. In order to simplify the report, attached plots were only the worst case channel and data rate.

■ FACTORS FOR FREQUENCY

Freq(MHz)	Factor(dB)
30	9.95
100	10.01
200	10.03
300	10.04
400	10.05
500	10.04
600	10.03
700	10.09
800	10.10
900	10.08
1000	10.11
2000	10.25
3000	10.27
4000	10.22
5000	10.48
5700*	10.42
5800*	10.48
6000	10.48
7000	10.57
8000	10.45
9000	10.50
10000	10.64
11000	10.69
12000	10.75
13000	10.92
14000	11.90
15000	11.00
16000	11.03
17000	10.93
18000	10.96
19000	10.85

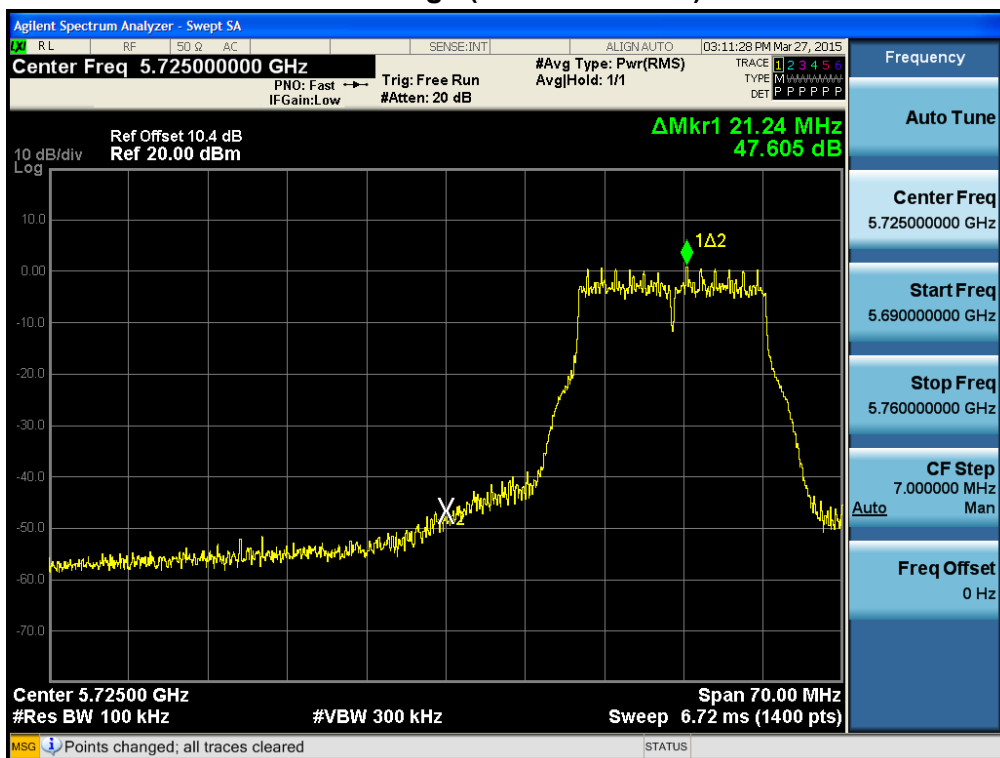
20000	12.11
21000	11.17
22000	10.99
23000	11.12
24000	11.10
25000	11.42
26000	11.28
27000	10.83
28000	11.03
29000	10.99
30000	12.08
31000	10.99
32000	11.32
33000	11.33
34000	12.62
35000	14.85
36000	14.78
37000	15.73
38000	15.81
39000	13.47
40000	14.89

Note : 1. '*' is fundamental frequency range.

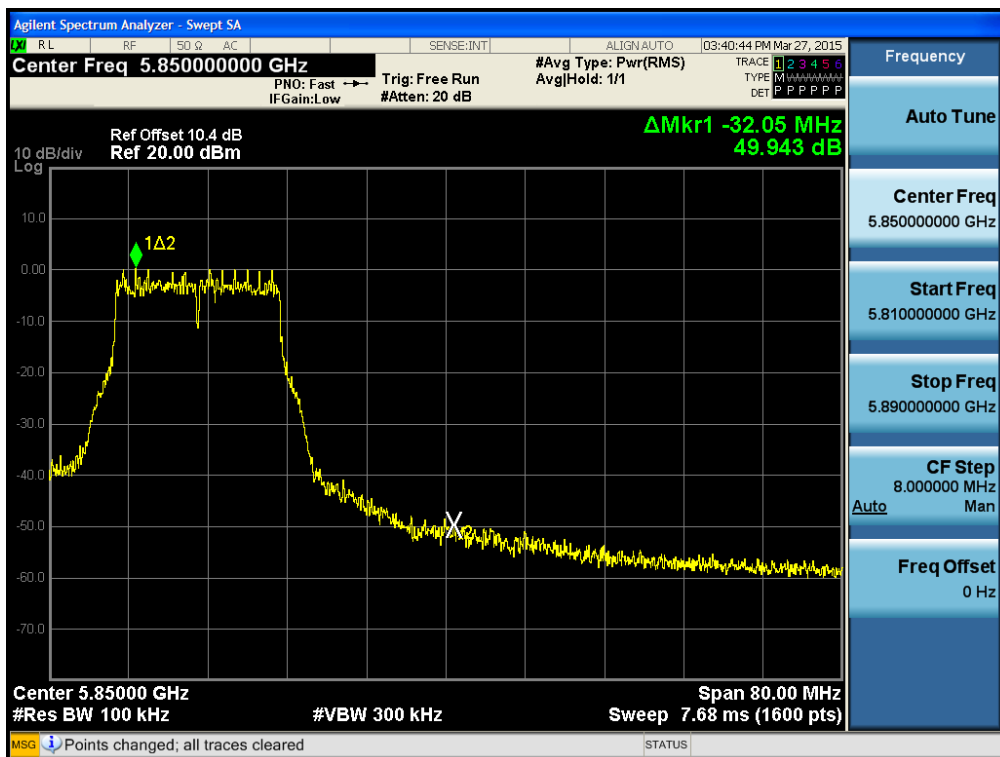
2. Factor = Cable loss + Attenuator loss

■ RESULT PLOTS

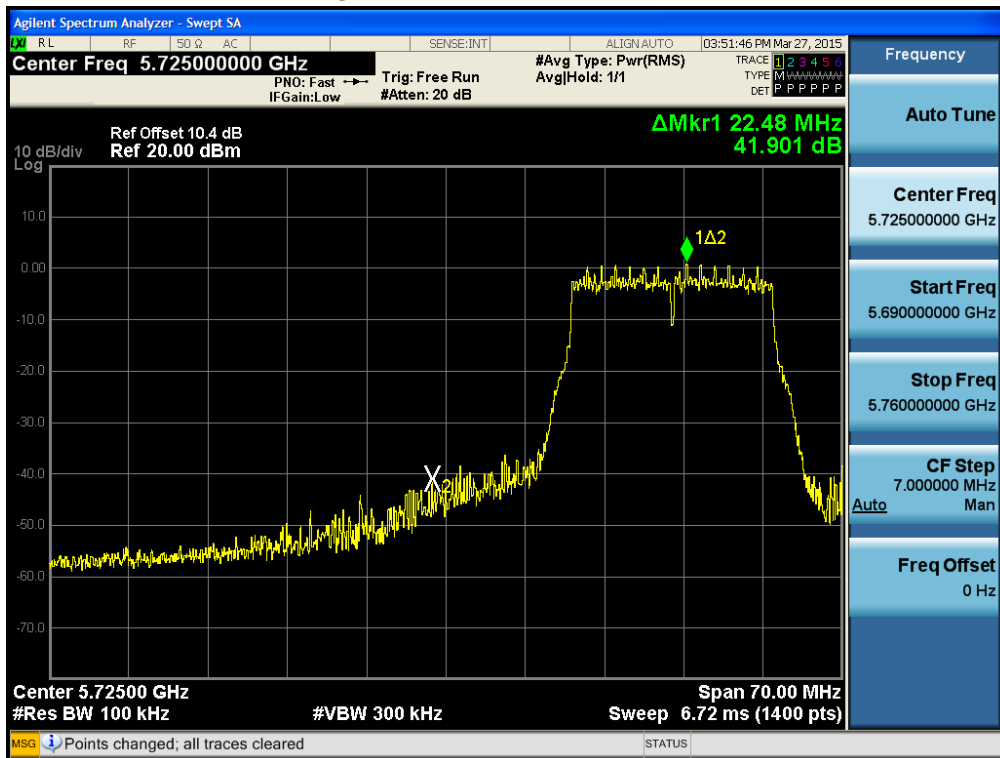
BandEdge (802.11a-CH 149)



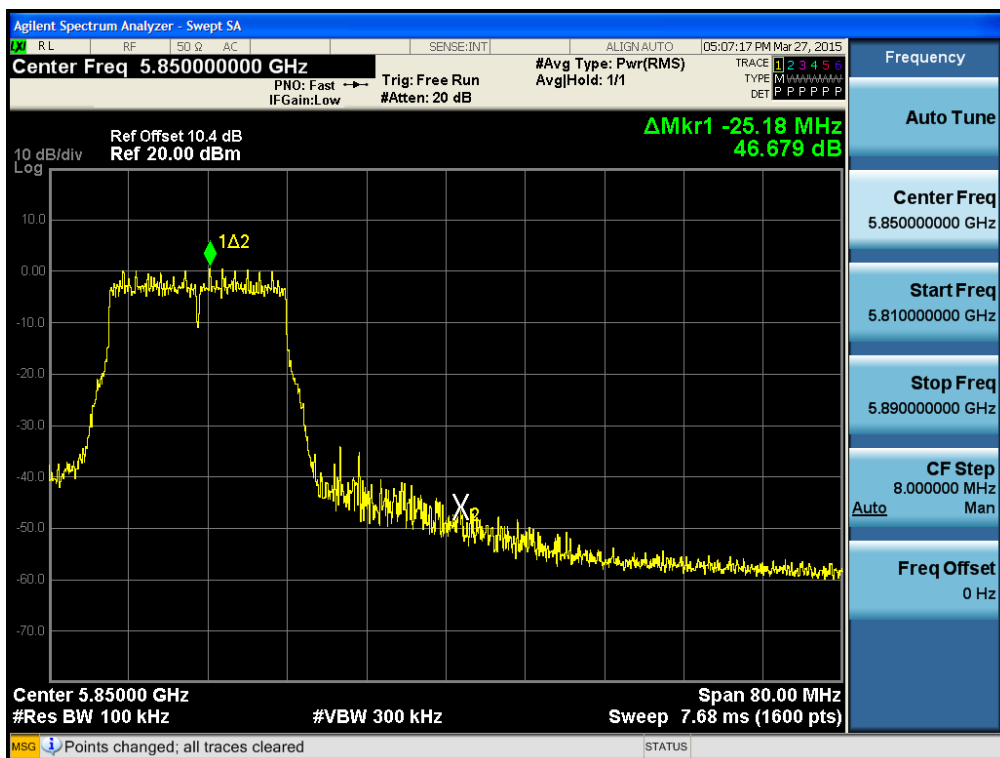
BandEdge (802.11a-CH 165)



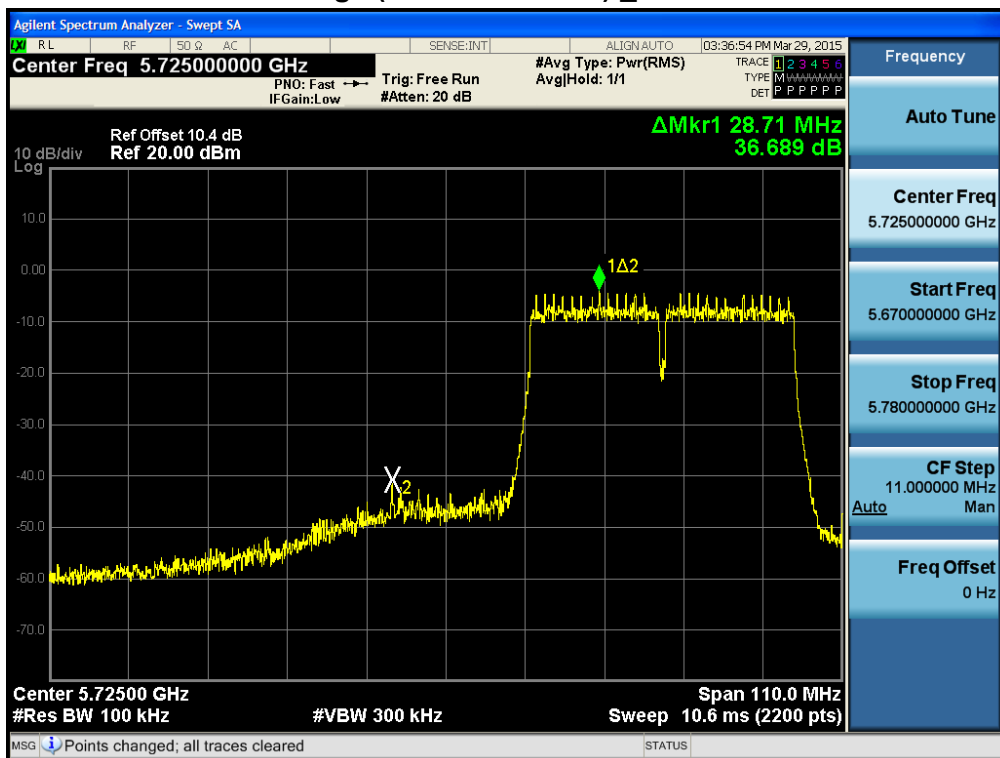
BandEdge (802.11n-CH 149) _20 MHz BW



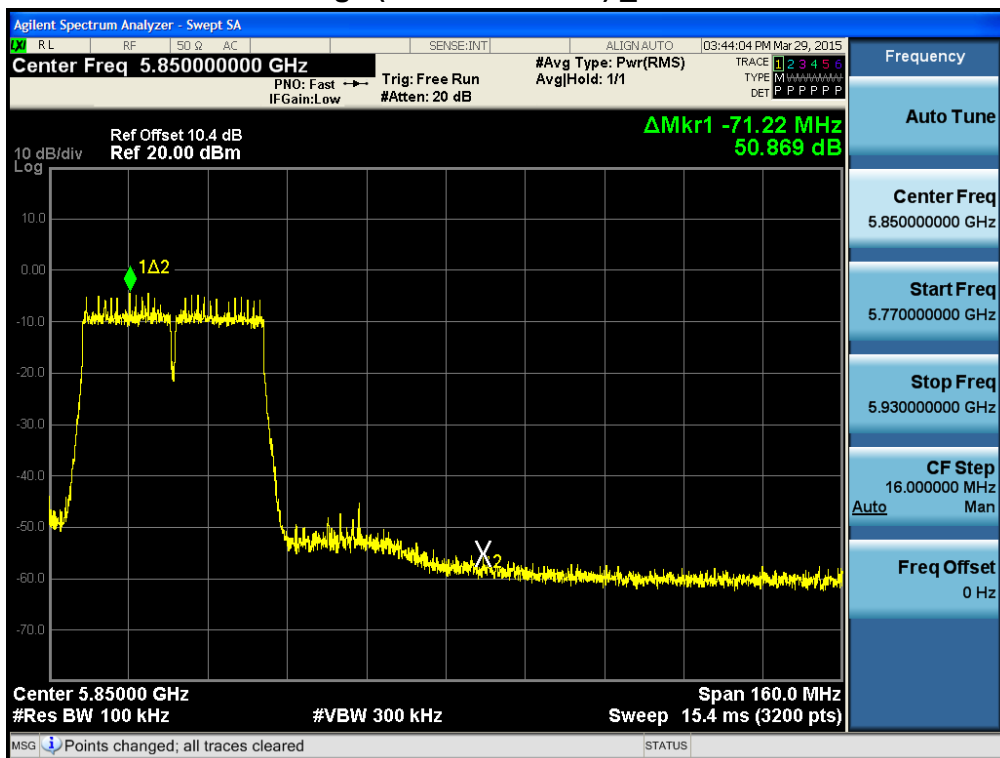
BandEdge (802.11n-CH 165) _20 MHz BW



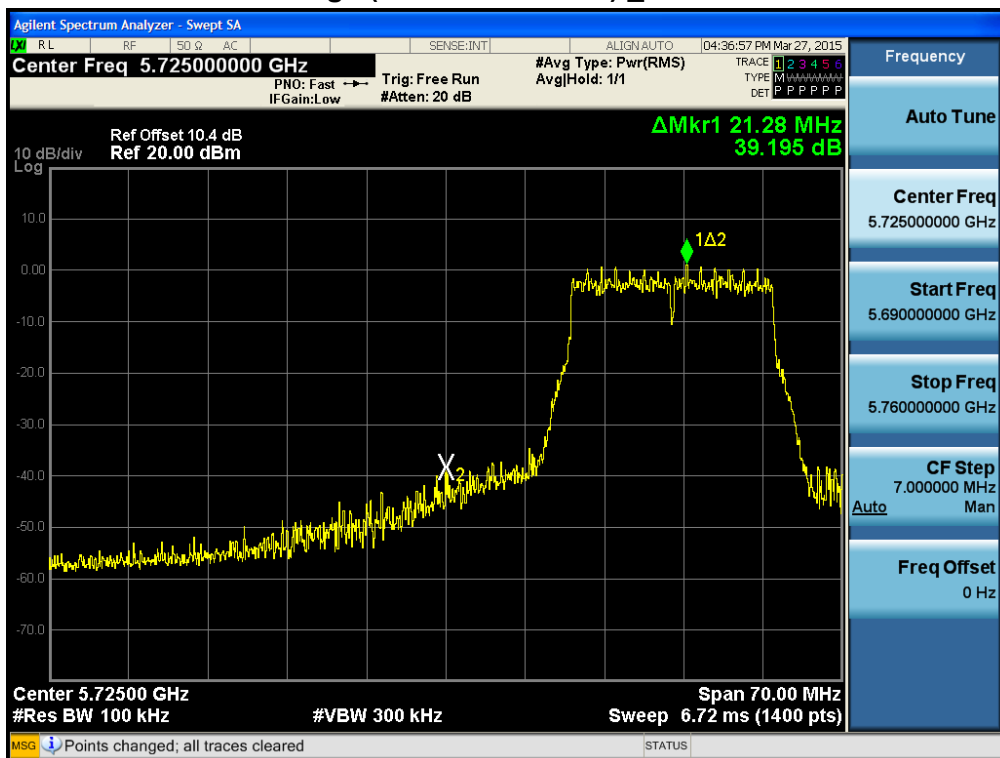
BandEdge (802.11n-CH 151) _40 MHz BW



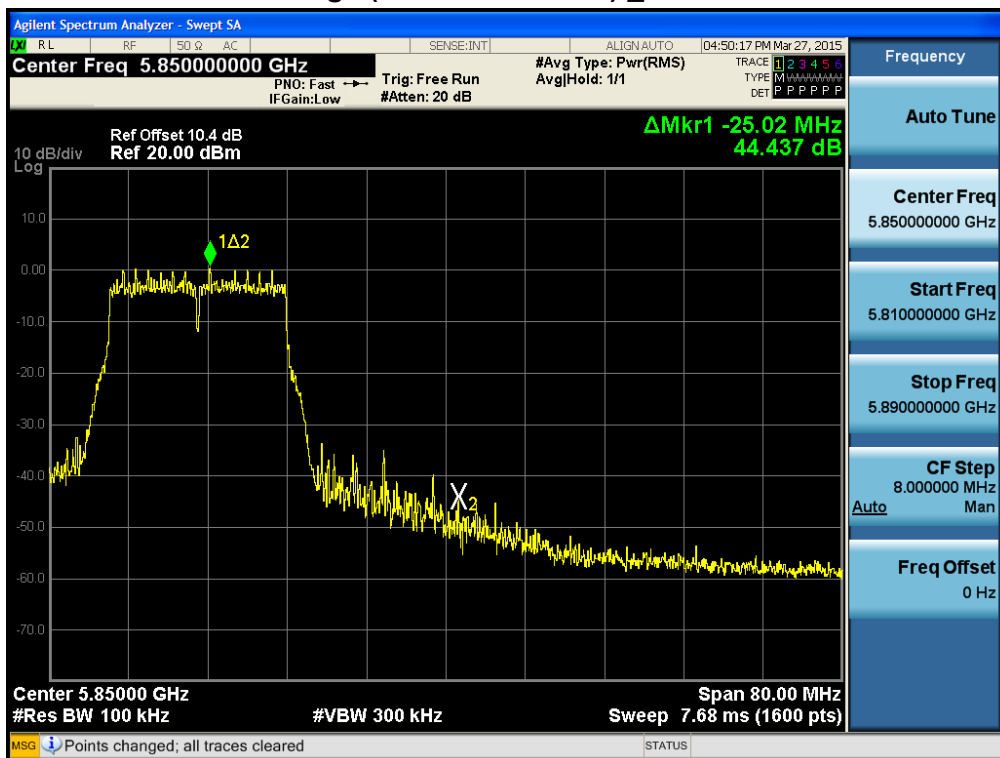
BandEdge (802.11n-CH 159) _40 MHz BW



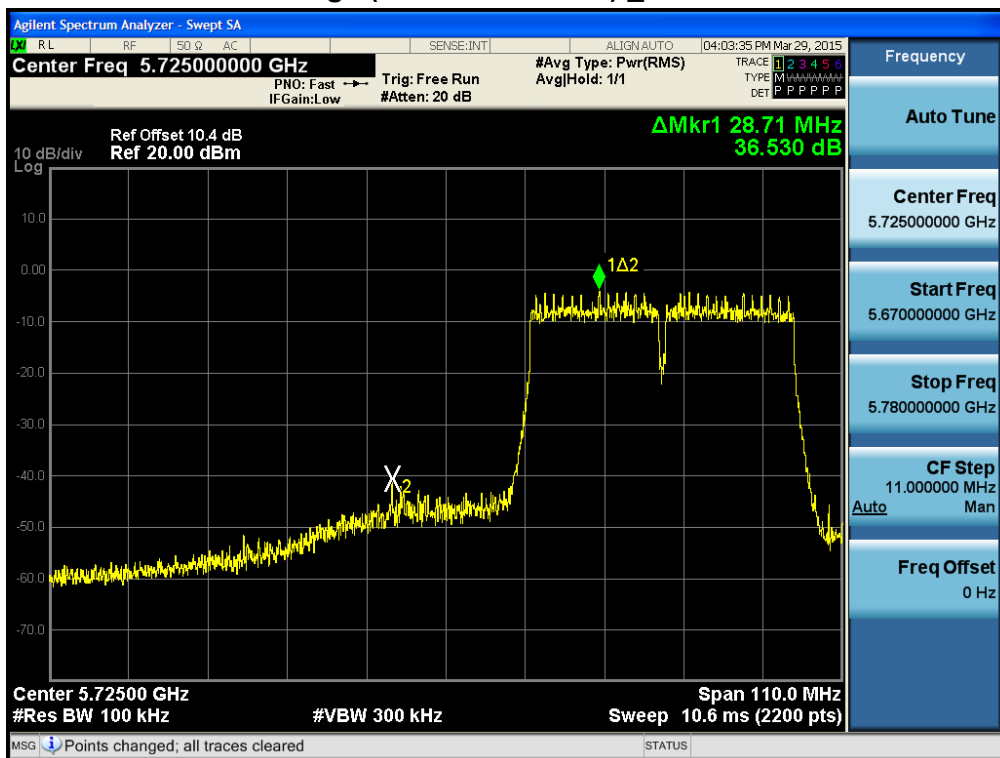
BandEdge (802.11ac-CH 149) _20 MHz BW



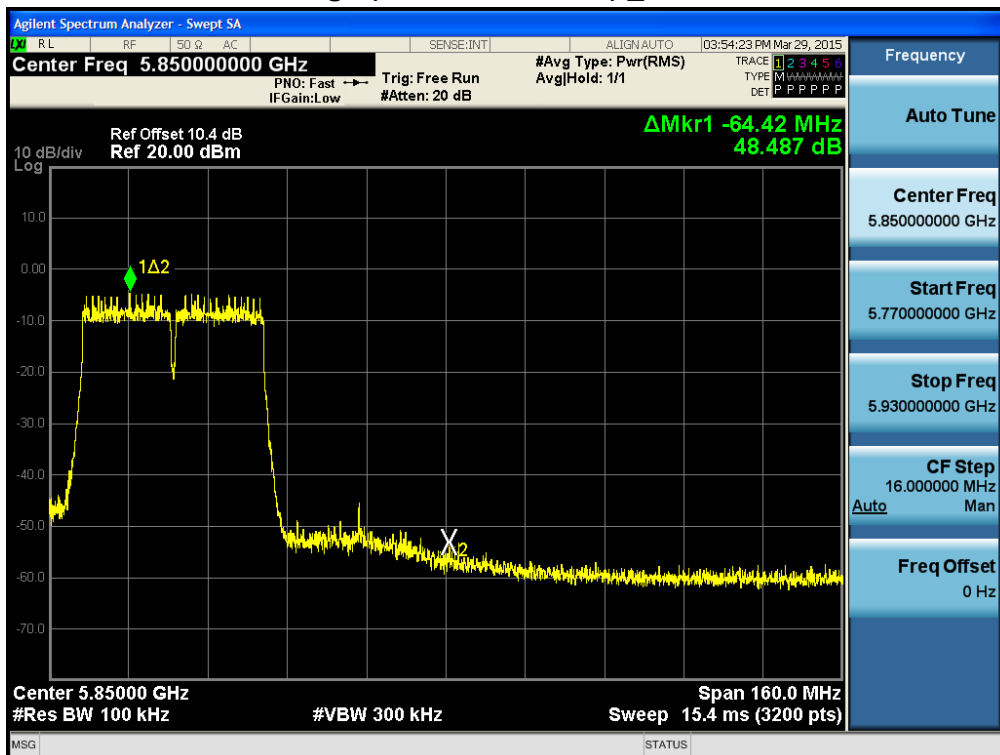
BandEdge (802.11ac-CH 165) _20 MHz BW



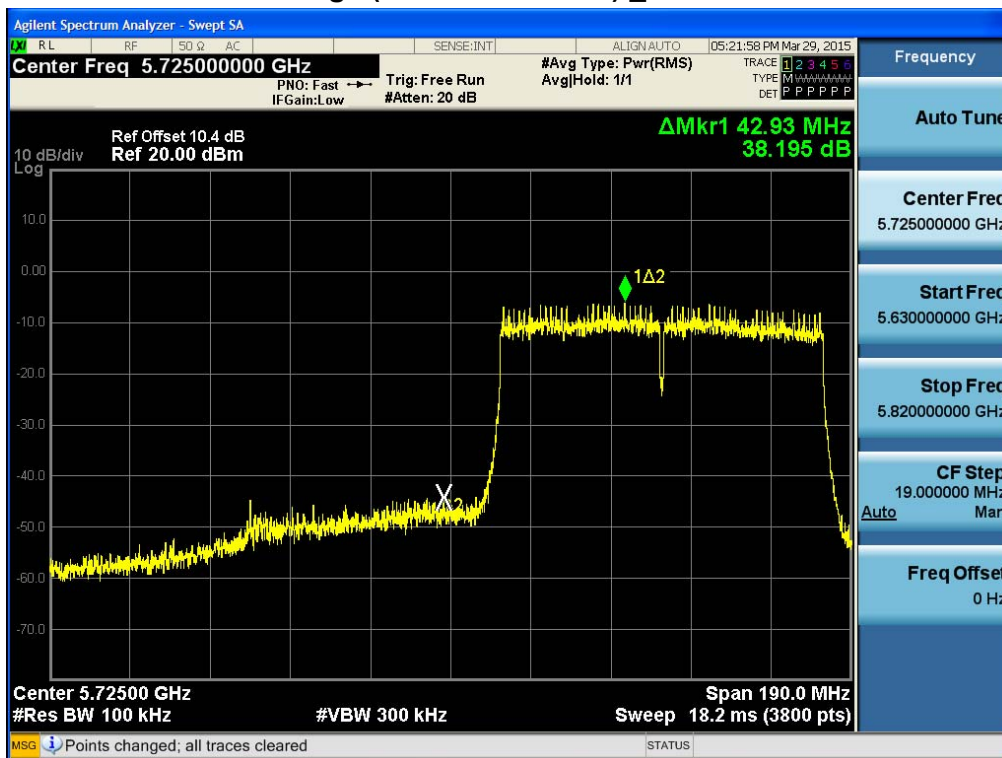
BandEdge (802.11ac-CH 151) _40 MHz BW



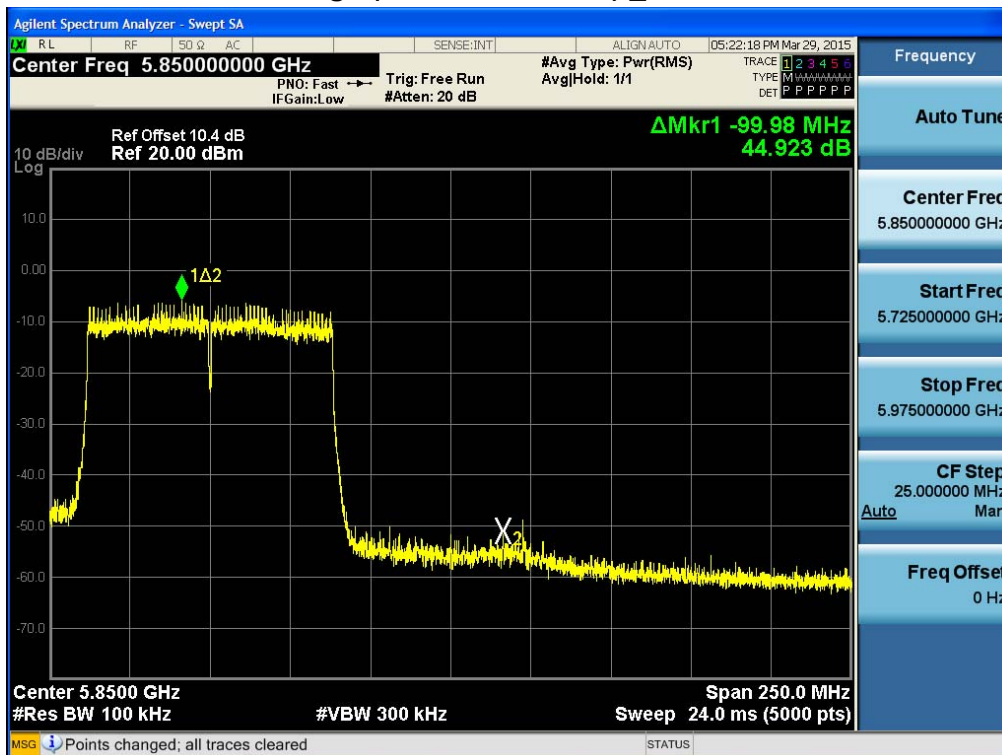
BandEdge (802.11ac-CH 159) _40 MHz BW



BandEdge (802.11ac-CH 155) _80 MHz BW



BandEdge (802.11ac-CH 155) _80 MHz BW



8.7 FREQUENCY STABILITY.

The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between -30 °C and 50 °C. The temperature was incremented by 10 °C intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.

20 MHz BW

OPERATING BAND:	UNII Band 1
OPERATING FREQUENCY:	5,180,000,000 Hz
CHANNEL:	36
REFERENCE VOLTAGE:	3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5179986.50	-13.50
100%		-30	5179968.50	-31.50
100%		-20	5179972.60	-27.40
100%		-10	5179976.00	-24.00
100%		0	5179979.90	-20.10
100%		+10	5179983.30	-16.70
100%		+30	5179990.20	-9.80
100%		+40	5179994.70	-5.30
100%		+50	5179998.80	-1.20
Batt. Endpoint	3.27	+20	5179982.50	-17.50

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A

OPERATING FREQUENCY: 5,260,000,000 Hz

CHANNEL: 52

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5259982.30	-17.70
100%		-30	5259965.50	-34.50
100%		-20	5259969.00	-31
100%		-10	5259972.40	-27.6
100%		0	5259975.90	-24.1
100%		+10	5259979.50	-20.5
100%		+30	5259986.70	-13.3
100%		+40	5259990.30	-9.7
100%		+50	5259994.40	-5.60
Batt. Endpoint	3.27	+20	5259978.50	-21.5

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,500,000,000 Hz

CHANNEL: 100

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5499981.50	-18.50
100%		-30	5499964.60	-35.40
100%		-20	5499968.80	-31.2
100%		-10	5499971.10	-28.9
100%		0	5499974.40	-25.6
100%		+10	5499977.90	-22.1
100%		+30	5499985.60	-14.4
100%		+40	5499989.40	-10.6
100%		+50	5499993.20	-6.80
Batt. Endpoint	3.27	+20	5499977.90	-22.1

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,745,000,000 Hz

CHANNEL: 149

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5499980.30	-19.70
100%		-30	5499961.80	-38.20
100%		-20	5499964.40	-35.6
100%		-10	5499968.90	-31.1
100%		0	5499972.50	-27.5
100%		+10	5499976.90	-23.1
100%		+30	5499984.50	-15.5
100%		+40	5499988.80	-11.2
100%		+50	5499991.60	-8.40
Batt. Endpoint	3.27	+20	5499975.90	-24.1

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

40 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,190,000,000 Hz

CHANNEL: 38

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5189982.50	-17.50
100%		-30	5189964.70	-35.30
100%		-20	5189968.10	-31.90
100%		-10	5189971.80	-28.20
100%		0	5189975.40	-24.60
100%		+10	5189978.90	-21.10
100%		+30	5189985.90	-14.10
100%		+40	5189989.20	-10.80
100%		+50	5189993.50	-6.50
Batt. Endpoint	3.27	+20	5189977.90	-22.10

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,270,000,000 Hz
 CHANNEL: 54
 REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5269982.30	-17.70
100%		-30	5269965.60	-34.40
100%		-20	5269968.80	-31.2
100%		-10	5269972.10	-27.9
100%		0	5269975.70	-24.3
100%		+10	5269979.00	-21
100%		+30	5269985.50	-14.5
100%		+40	5269989.20	-10.8
100%		+50	5269994.90	-5.10
Batt. Endpoint	3.27	+20	5269979.90	-20.1

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,510,000,000 Hz

CHANNEL: 100

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5509980.80	-19.20
100%		-30	5509962.80	-37.20
100%		-20	5509965.70	-34.3
100%		-10	5509969.90	-30.1
100%		0	5509972.60	-27.4
100%		+10	5509976.50	-23.5
100%		+30	5509984.60	-15.4
100%		+40	5509988.40	-11.6
100%		+50	5509991.50	-8.50
Batt. Endpoint	3.27	+20	5509976.50	-23.5

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,755,000,000 Hz

CHANNEL: 151

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5509979.70	-20.30
100%		-30	5509962.10	-37.90
100%		-20	5509964.50	-35.5
100%		-10	5509968.70	-31.3
100%		0	5509972.20	-27.8
100%		+10	5509975.90	-24.1
100%		+30	5509983.30	-16.7
100%		+40	5509986.20	-13.8
100%		+50	5509989.50	-10.50
Batt. Endpoint	3.27	+20	5509975.50	-24.5

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

80 MHz BW

OPERATING BAND: UNII Band 1

OPERATING FREQUENCY: 5,210,000,000 Hz

CHANNEL: 42

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5209981.70	-18.30
100%		-30	5209964.90	-35.10
100%		-20	5209967.40	-32.60
100%		-10	5209971.60	-28.40
100%		0	5209975.70	-24.30
100%		+10	5209978.50	-21.50
100%		+30	5209985.10	-14.90
100%		+40	5209989.30	-10.70
100%		+50	5209993.70	-6.30
Batt. Endpoint	3.27	+20	5209977.40	-22.60

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5289981.20	-18.80
100%		-30	5289964.30	-35.70
100%		-20	5289968.40	-31.6
100%		-10	5289971.90	-28.1
100%		0	5289975.10	-24.9
100%		+10	5289977.60	-22.4
100%		+30	5289985.80	-14.2
100%		+40	5289990.00	-10
100%		+50	5289994.10	-5.90
Batt. Endpoint	3.27	+20	5289977.70	-22.3

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2C

OPERATING FREQUENCY: 5,530,000,000 Hz

CHANNEL: 106

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5529979.30	-20.70
100%		-30	5529962.50	-37.50
100%		-20	5529965.30	-34.7
100%		-10	5529969.70	-30.3
100%		0	5529972.40	-27.6
100%		+10	5529975.90	-24.1
100%		+30	5529985.40	-14.6
100%		+40	5529989.20	-10.8
100%		+50	5529993.30	-6.70
Batt. Endpoint	3.27	+20	5529974.30	-25.7

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3

OPERATING FREQUENCY: 5,775,000,000 Hz

CHANNEL: 155

REFERENCE VOLTAGE: 3.85 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.85	+20(Ref)	5529978.50	-21.50
100%		-30	5529962.20	-37.80
100%		-20	5529965.30	-34.7
100%		-10	5529969.80	-30.2
100%		0	5529972.40	-27.6
100%		+10	5529974.90	-25.1
100%		+30	5529982.10	-17.9
100%		+40	5529986.50	-13.5
100%		+50	5529989.70	-10.30
Batt. Endpoint	3.27	+20	5529975.70	-24.3

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

8.8 RADIATED MEASUREMENT

8.8.1 RADIATED SPURIOUS EMISSIONS.

Test Requirements and limit, §15.205, §15.209, §15.407

Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

■ §15.407, KDB 789033 D02

All harmonics that do not lie in a restricted band are subject to a peak limit of -27 dBm/MHz. At a distance of 3 meters the field strength limit in dBµV/m can be determined by adding a “conversion” factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions of 68.2 dBµV/m.

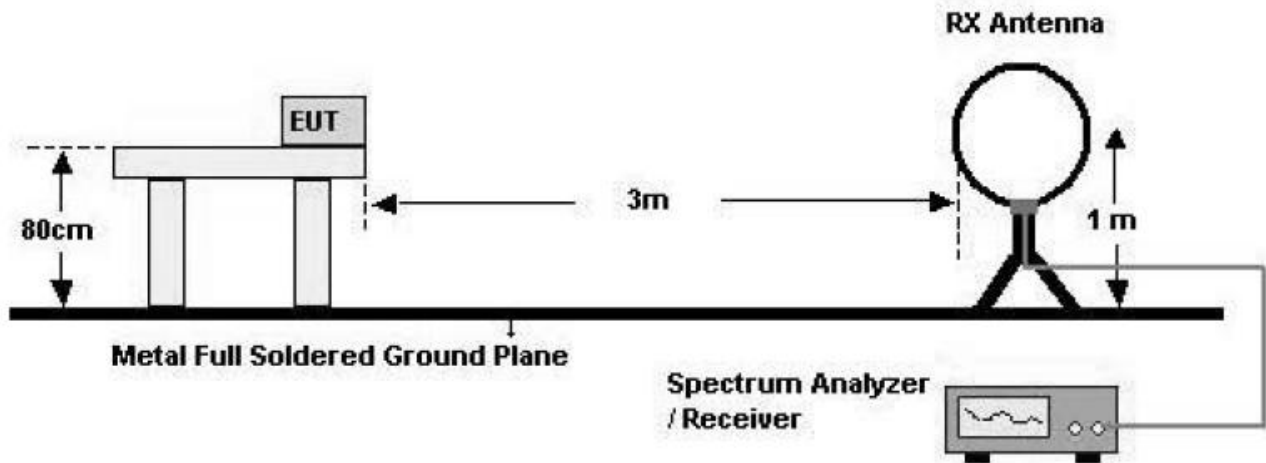
Especially, for transmitter operating in the 5725 Mhz – 5850 MHz : all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequency 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Test Mode

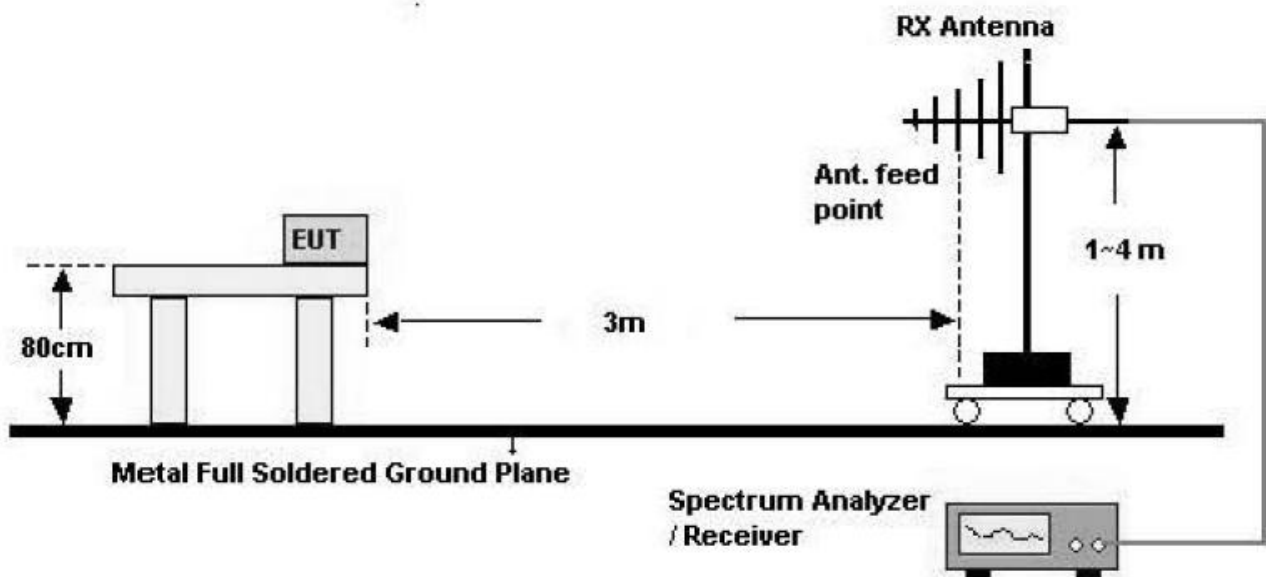
- Standalone with normal cover
- Standalone with wireless charging cover (open)
- Standalone with wireless charging cover (close)
- With wireless charging pad

Test Configuration

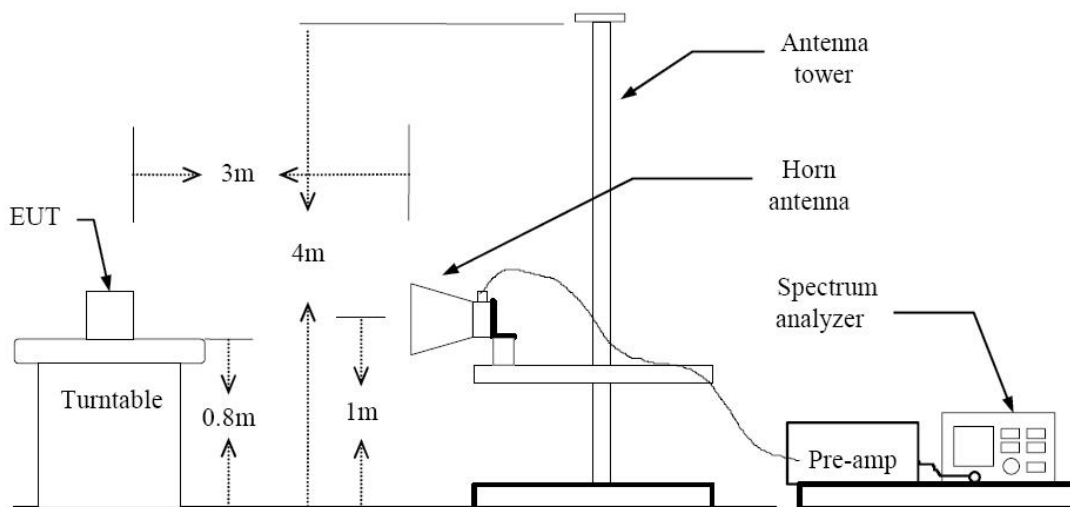
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



TEST PROCEDURE USED

ANSI C63.4(2003)

Method H)5) in KDB 789033, issued 06/06/2014 (Peak)

Method H)6)d) in KDB 789033, issued 06/06/2014 (Average)

. Spectrum setting:

- Peak.

1. RBW = 1 MHz

2. VBW $\geq$ 3 MHz

3. Detector = Peak

4. Sweep Time = auto

5. Trace mode = max hold

6. Allow sweeps to continue until the trace stabilizes.

7. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately $1/x$, where x is the duty cycle.

- Average (Method VB :Averaging using reduced video bandwidth)

1. RBW = 1 MHz

2. VBW

2.1. If the EUT is configured to transmit with duty cycle $\geq$ 98 percent, set $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz.

2.2. If the EUT duty cycle is $<$ 98 percent, set $VBW \geq 1/T$, where T is the minimum transmission duration.

3. The analyzer is set to linear detector mode.

4. Detector = Peak.
5. Sweep time = auto.
6. Trace mode = max hold.
7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle.

Note :

1. We used the case 2 for 802.11a/n_20/n_40/ac_20/ac_40/ac_80 to perform the average field strength measurements for RSE and radiated band edge test.
2. The actual setting value of VBW for 802.11a/n_20/n_40/ac_20/ac_40/ac_80.

Mode	Worst Data rate (Mbps)	T _{on} (ms)	T _{total} (ms)	Duty Cycle (%)	VBW(1/T) (Hz)	The actual setting value of VBW (Hz)
a	6	2.058	2.167	94.97	486	1000
n_20	6.5	1.910	2.020	94.55	524	3000
n_40	13.5	0.942	1.046	90.06	1062	3000
ac_20	6.5	1.921	2.034	94.44	521	1000
ac_40	13.5	0.950	1.054	90.13	1053	3000
ac_80	29.3	0.458	0.561	81.64	2183	3000

TEST RESULTS

9 kHz – 30MHz

Operation Mode: Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB μ V	dB /m	dB	(H/V)	dB μ V/m	dB μ V/m	dB
No Critical peaks found							

Notes:

1. Measuring frequencies from 9 kHz to the 30MHz.
2. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
3. Distance extrapolation factor = 40 log (specific distance / test distance) (dB)
4. Limit line = specific Limits (dBuV) + Distance extrapolation factor
5. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

TEST RESULTS**Below 1 GHz****Operation Mode:** Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	$\text{dB}\mu\text{V}$	dB /m	dB	(H/V)	$\text{dB}\mu\text{V/m}$	$\text{dB}\mu\text{V/m}$	dB
No Critical peaks found							

Notes:

1. Measuring frequencies from 30 MHz to the 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Above 1 GHz

Standalone with normal cover

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	63.01	-6.51	V	56.50	68.20	11.70	PK
15540	64.81	-6.42	V	58.39	73.98	15.59	PK
15540	51.36	-6.42	V	44.94	53.98	9.04	AV
10360	62.85	-6.51	H	56.34	68.20	11.86	PK
15540	63.12	-6.42	H	56.70	73.98	17.28	PK
15540	49.23	-6.42	H	42.81	53.98	11.17	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	62.87	-6.49	V	56.38	68.20	11.82	PK
15600	64.53	-7.15	V	57.38	73.98	16.60	PK
15600	51.18	-7.15	V	44.03	53.98	9.95	AV
10400	62.76	-6.49	H	56.27	68.20	11.93	PK
15600	63.09	-7.15	H	55.94	73.98	18.04	PK
15600	48.76	-7.15	H	41.61	53.98	12.37	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	62.75	-6.96	V	55.79	68.20	12.41	PK
15720	64.28	-6.62	V	57.66	73.98	16.32	PK
15720	50.82	-6.62	V	44.20	53.98	9.78	AV
10480	62.83	-6.96	H	55.87	68.20	12.33	PK
15720	63.19	-6.96	H	56.23	73.98	17.75	PK
15720	48.63	-6.62	H	42.01	53.98	11.97	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	63.14	-6.51	V	56.63	68.20	11.57	PK
15540	64.58	-6.42	V	58.16	73.98	15.82	PK
15540	51.36	-6.42	V	44.94	53.98	9.04	AV
10360	62.85	-6.51	H	56.34	68.20	11.86	PK
15540	63.12	-6.42	H	56.70	73.98	17.28	PK
15540	49.23	-6.42	H	42.81	53.98	11.17	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	62.87	-6.49	V	56.38	68.20	11.82	PK
15600	64.38	-7.15	V	57.23	73.98	16.75	PK
15600	51.28	-7.15	V	44.13	53.98	9.85	AV
10400	62.59	-6.49	H	56.10	68.20	12.10	PK
15600	63.05	-7.15	H	55.90	73.98	18.08	PK
15600	49.16	-7.15	H	42.01	53.98	11.97	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	63.28	-6.96	V	56.32	68.20	11.88	PK
15720	64.13	-6.62	V	57.51	73.98	16.47	PK
15720	51.10	-6.62	V	44.48	53.98	9.50	AV
10480	63.02	-6.96	H	56.06	68.20	12.14	PK
15720	62.87	-6.96	H	55.91	73.98	18.07	PK
15720	49.53	-6.62	H	42.91	53.98	11.07	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	63.25	-6.51	V	56.74	68.20	11.46	PK
15540	64.63	-6.42	V	58.21	73.98	15.77	PK
15540	51.05	-6.42	V	44.63	53.98	9.35	AV
10360	62.37	-6.51	H	55.86	68.20	12.34	PK
15540	63.64	-6.42	H	57.22	73.98	16.76	PK
15540	49.32	-6.42	H	42.90	53.98	11.08	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	62.91	-6.49	V	56.42	68.20	11.78	PK
15600	64.57	-7.15	V	57.42	73.98	16.56	PK
15600	50.83	-7.15	V	43.68	53.98	10.30	AV
10400	62.58	-6.49	H	56.09	68.20	12.11	PK
15600	63.13	-7.15	H	55.98	73.98	18.00	PK
15600	49.16	-7.15	H	42.01	53.98	11.97	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	63.03	-6.96	V	56.07	68.20	12.13	PK
15720	64.19	-6.62	V	57.57	73.98	16.41	PK
15720	50.58	-6.62	V	43.96	53.98	10.02	AV
10480	62.71	-6.96	H	55.75	68.20	12.45	PK
15720	63.38	-6.96	H	56.42	73.98	17.56	PK
15720	49.53	-6.62	H	42.91	53.98	11.07	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	62.59	-5.38	V	57.21	68.20	10.99	PK
15570	63.11	-6.41	V	56.70	73.98	17.28	PK
15570	49.25	-6.41	V	42.84	53.98	11.14	AV
10380	62.34	-5.38	H	56.96	68.20	11.24	PK
15570	62.67	-6.41	H	56.26	73.98	17.72	PK
15570	49.13	-6.41	H	42.72	53.98	11.26	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	63.37	-6.88	V	56.49	68.20	11.71	PK
15690	63.08	-6.64	V	56.44	73.98	17.54	PK
15690	49.92	-6.64	V	43.28	53.98	10.70	AV
10460	63.19	-6.88	H	56.31	68.20	11.89	PK
15690	62.83	-6.64	H	56.19	73.98	17.79	PK
15690	49.61	-6.64	H	42.97	53.98	11.01	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	62.58	-5.38	V	57.20	68.20	11.00	PK
15570	62.94	-6.41	V	56.53	73.98	17.45	PK
15570	49.25	-6.41	V	42.84	53.98	11.14	AV
10380	62.76	-5.38	H	57.38	68.20	10.82	PK
15570	63.13	-6.41	H	56.72	73.98	17.26	PK
15570	49.62	-6.41	H	43.21	53.98	10.77	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	63.28	-6.88	V	56.40	68.20	11.80	PK
15690	63.34	-6.64	V	56.70	73.98	17.28	PK
15690	49.51	-6.64	V	42.87	53.98	11.11	AV
10460	62.96	-6.88	H	56.08	68.20	12.12	PK
15690	63.15	-6.64	H	56.51	73.98	17.47	PK
15690	49.74	-6.64	H	43.10	53.98	10.88	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 1
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	64.28	-6.32	V	57.96	68.20	10.24	PK
15630	63.57	-7.14	V	56.43	73.98	17.55	PK
15630	49.38	-7.14	V	42.24	53.98	11.74	AV
10420	63.71	-6.32	H	57.39	68.20	10.81	PK
15630	63.24	-7.14	H	56.10	73.98	17.88	PK
15630	49.25	-7.14	H	42.11	53.98	11.87	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	62.74	-6.52	V	56.22	68.20	11.98	PK
15780	63.22	-6.67	V	56.55	73.98	17.43	PK
15780	49.88	-6.67	V	43.21	53.98	10.77	AV
10520	62.59	-6.52	H	56.07	68.20	12.13	PK
15780	63.08	-6.67	H	56.41	73.98	17.57	PK
15780	49.37	-6.67	H	42.70	53.98	11.28	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	62.91	-6.72	V	56.19	73.98	17.79	PK
10600	49.44	-6.72	V	42.72	53.98	11.26	AV
15900	63.12	-7.00	V	56.12	73.98	17.86	PK
15900	49.85	-7.00	V	42.85	53.98	11.13	AV
10600	62.78	-6.72	H	56.06	73.98	17.92	PK
10600	49.18	-6.72	H	42.46	53.98	11.52	AV
15900	63.19	-7.00	H	56.19	73.98	17.79	PK
15900	49.56	-7.00	H	42.56	53.98	11.42	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	63.08	-6.43	V	56.65	73.98	17.33	PK
10640	49.25	-6.43	V	42.82	53.98	11.16	AV
15960	63.21	-6.93	V	56.28	73.98	17.70	PK
15960	49.76	-6.93	V	42.83	53.98	11.15	AV
10640	62.98	-6.43	H	56.55	73.98	17.43	PK
10640	49.35	-6.43	H	42.92	53.98	11.06	AV
15960	63.14	-6.93	H	56.21	73.98	17.77	PK
15960	49.83	-6.93	H	42.90	53.98	11.08	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2A
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	62.85	-6.52	V	56.33	68.20	11.87	PK
15780	63.52	-6.67	V	56.85	73.98	17.13	PK
15780	49.70	-6.67	V	43.03	53.98	10.95	AV
10520	62.77	-6.52	H	56.25	68.20	11.95	PK
15780	63.69	-6.67	H	57.02	73.98	16.96	PK
15780	49.62	-6.67	H	42.95	53.98	11.03	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	62.59	-6.72	V	55.87	73.98	18.11	PK
10600	49.45	-6.72	V	42.73	53.98	11.25	AV
15900	63.28	-7.00	V	56.28	73.98	17.70	PK
15900	49.66	-7.00	V	42.66	53.98	11.32	AV
10600	62.31	-6.72	H	55.59	73.98	18.39	PK
10600	49.30	-6.72	H	42.58	53.98	11.40	AV
15900	63.13	-7.00	H	56.13	73.98	17.85	PK
15900	49.57	-7.00	H	42.57	53.98	11.41	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	62.59	-6.43	V	56.16	73.98	17.82	PK
10640	49.29	-6.43	V	42.86	53.98	11.12	AV
15960	63.11	-6.93	V	56.18	73.98	17.80	PK
15960	49.73	-6.93	V	42.80	53.98	11.18	AV
10640	62.75	-6.43	H	56.32	73.98	17.66	PK
10640	49.16	-6.43	H	42.73	53.98	11.25	AV
15960	63.20	-6.93	H	56.27	73.98	17.71	PK
15960	49.31	-6.93	H	42.38	53.98	11.60	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5260MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	63.05	-6.52	V	56.53	68.20	11.67	PK
15780	63.08	-6.67	V	56.41	73.98	17.57	PK
15780	49.15	-6.67	V	42.48	53.98	11.50	AV
10520	63.03	-6.52	H	56.51	68.20	11.69	PK
15780	62.85	-6.67	H	56.18	73.98	17.80	PK
15780	49.52	-6.67	H	42.85	53.98	11.13	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	63.11	-6.72	V	56.39	73.98	17.59	PK
10600	49.08	-6.72	V	42.36	53.98	11.62	AV
15900	62.95	-7.00	V	55.95	73.98	18.03	PK
15900	49.34	-7.00	V	42.34	53.98	11.64	AV
10600	63.39	-6.72	H	56.67	73.98	17.31	PK
10600	49.19	-6.72	H	42.47	53.98	11.51	AV
15900	63.05	-7.00	H	56.05	73.98	17.93	PK
15900	49.27	-7.00	H	42.27	53.98	11.71	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	62.92	-6.43	V	56.49	73.98	17.49	PK
10640	49.18	-6.43	V	42.75	53.98	11.23	AV
15960	62.58	-6.93	V	55.65	73.98	18.33	PK
15960	49.59	-6.93	V	42.66	53.98	11.32	AV
10640	62.17	-6.43	H	55.74	73.98	18.24	PK
10640	49.52	-6.43	H	43.09	53.98	10.89	AV
15960	63.08	-6.93	H	56.15	73.98	17.83	PK
15960	49.25	-6.93	H	42.32	53.98	11.66	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	63.10	-5.77	V	57.33	68.20	10.87	PK
15810	63.24	-7.47	V	55.77	73.98	18.21	PK
15810	49.73	-7.47	V	42.26	53.98	11.72	AV
10540	62.59	-5.77	H	56.82	68.20	11.38	PK
15810	63.19	-7.47	H	55.72	73.98	18.26	PK
15810	49.54	-7.47	H	42.07	53.98	11.91	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	63.15	-6.36	V	56.79	73.98	17.19	PK
10620	49.13	-6.36	V	42.77	53.98	11.21	AV
15930	63.57	-6.77	V	56.80	73.98	17.18	PK
15930	49.21	-6.77	V	42.44	53.98	11.54	AV
10620	63.02	-6.36	H	56.66	73.98	17.32	PK
10620	49.20	-6.36	H	42.84	53.98	11.14	AV
15930	63.28	-6.77	H	56.51	73.98	17.47	PK
15930	49.52	-6.77	H	42.75	53.98	11.23	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	62.81	-5.77	V	57.04	68.20	11.16	PK
15810	63.12	-7.47	V	55.65	73.98	18.33	PK
15810	49.58	-7.47	V	42.11	53.98	11.87	AV
10540	63.08	-5.77	H	57.31	68.20	10.89	PK
15810	63.47	-7.47	H	56.00	73.98	17.98	PK
15810	49.42	-7.47	H	41.95	53.98	12.03	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	63.06	-6.36	V	56.70	73.98	17.28	PK
10620	49.16	-6.36	V	42.80	53.98	11.18	AV
15930	63.34	-6.77	V	56.57	73.98	17.41	PK
15930	49.73	-6.77	V	42.96	53.98	11.02	AV
10620	62.84	-6.36	H	56.48	73.98	17.50	PK
10620	49.18	-6.36	H	42.82	53.98	11.16	AV
15930	63.17	-6.77	H	56.40	73.98	17.58	PK
15930	49.40	-6.77	H	42.63	53.98	11.35	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2A
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	63.32	-5.70	V	57.62	68.20	10.58	PK
15870	63.08	-7.27	V	55.81	73.98	18.17	PK
15870	49.87	-7.27	V	42.60	53.98	11.38	AV
10580	63.06	-5.70	H	57.36	68.20	10.84	PK
15870	63.13	-7.27	H	55.86	73.98	18.12	PK
15870	49.71	-7.27	H	42.44	53.98	11.54	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	62.72	-5.06	V	57.66	73.98	16.32	PK
11000	49.24	-5.06	V	44.18	53.98	9.80	AV
16500	63.55	-4.35	V	59.20	68.20	9.00	PK
11000	62.52	-5.06	H	57.46	73.98	16.52	PK
11000	49.12	-5.06	H	44.06	53.98	9.92	AV
16500	63.27	-4.35	H	58.92	68.20	9.28	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	62.54	-5.55	V	56.99	73.98	16.99	PK
11160	49.31	-5.55	V	43.76	53.98	10.22	AV
16740	63.28	-3.73	V	59.55	68.20	8.65	PK
11160	62.90	-5.55	H	57.35	73.98	16.63	PK
11160	49.51	-5.55	H	43.96	53.98	10.02	AV
16740	63.14	-3.73	H	59.41	68.20	8.79	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5600 MHz
Channel No.	120 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11200	62.87	-6.05	V	56.82	73.98	17.16	PK
11200	49.15	-6.05	V	43.10	53.98	10.88	AV
16800	63.11	-2.56	V	60.55	68.20	7.65	PK
11200	62.62	-6.05	H	56.57	73.98	17.41	PK
11200	48.87	-6.05	H	42.82	53.98	11.16	AV
16800	63.38	-2.56	H	60.82	68.20	7.38	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2C
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	62.27	-5.06	V	57.21	73.98	16.77	PK
11000	49.05	-5.06	V	43.99	53.98	9.99	AV
16500	63.03	-4.35	V	58.68	68.20	9.52	PK
11000	62.69	-5.06	H	57.63	73.98	16.35	PK
11000	48.96	-5.06	H	43.90	53.98	10.08	AV
16500	62.16	-4.35	H	57.81	68.20	10.39	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	62.84	-5.55	V	57.29	73.98	16.69	PK
11160	48.96	-5.55	V	43.41	53.98	10.57	AV
16740	63.10	-3.73	V	59.37	68.20	8.83	PK
11160	62.58	-5.55	H	57.03	73.98	16.95	PK
11160	49.11	-5.55	H	43.56	53.98	10.42	AV
16740	62.76	-3.73	H	59.03	68.20	9.17	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	62.87	-6.08	V	56.79	73.98	17.19	PK
11400	48.59	-6.08	V	42.51	53.98	11.47	AV
17100	62.52	-0.85	V	61.67	68.20	6.53	PK
11400	63.16	-6.08	H	57.08	73.98	16.90	PK
11400	48.24	-6.08	H	42.16	53.98	11.82	AV
17100	62.28	-0.85	H	61.43	68.20	6.77	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5500MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	63.05	-5.06	V	57.99	73.98	15.99	PK
11000	49.18	-5.06	V	44.12	53.98	9.86	AV
16500	63.39	-4.35	V	59.04	68.20	9.16	PK
11000	63.29	-5.06	H	58.23	73.98	15.75	PK
11000	49.23	-5.06	H	44.17	53.98	9.81	AV
16500	63.43	-4.35	H	59.08	68.20	9.12	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	62.88	-5.55	V	57.33	73.98	16.65	PK
11160	49.34	-5.55	V	43.79	53.98	10.19	AV
16740	63.10	-3.73	V	59.37	68.20	8.83	PK
11160	62.57	-5.55	H	57.02	73.98	16.96	PK
11160	49.12	-5.55	H	43.57	53.98	10.41	AV
16740	62.73	-3.73	H	59.00	68.20	9.20	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	62.58	-6.08	V	56.50	73.98	17.48	PK
11400	48.72	-6.08	V	42.64	53.98	11.34	AV
17100	62.53	-0.85	V	61.68	68.20	6.52	PK
11400	63.19	-6.08	H	57.11	73.98	16.87	PK
11400	48.95	-6.08	H	42.87	53.98	11.11	AV
17100	62.10	-0.85	H	61.25	68.20	6.95	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	63.14	-5.86	V	57.28	73.98	16.70	PK
11020	48.73	-5.86	V	42.87	53.98	11.11	AV
16530	62.92	-3.75	V	59.17	68.20	9.03	PK
11020	62.87	-5.86	H	57.01	73.98	16.97	PK
11020	48.65	-5.86	H	42.79	53.98	11.19	AV
16530	62.83	-3.75	H	59.08	68.20	9.12	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5670 MHz
Channel No.	134 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11340	63.17	-5.10	V	58.07	73.98	15.91	PK
11340	48.86	-5.10	V	43.76	53.98	10.22	AV
17010	62.82	-1.27	V	61.55	68.20	6.65	PK
11340	63.34	-5.10	H	58.24	73.98	15.74	PK
11340	49.11	-5.10	H	44.01	53.98	9.97	AV
17010	62.57	-1.27	H	61.30	68.20	6.90	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	63.03	-5.86	V	57.17	73.98	16.81	PK
11020	48.59	-5.86	V	42.73	53.98	11.25	AV
16530	63.37	-3.75	V	59.62	68.20	8.58	PK
11020	62.82	-5.86	H	56.96	73.98	17.02	PK
11020	48.37	-5.86	H	42.51	53.98	11.47	AV
16530	63.18	-3.75	H	59.43	68.20	8.77	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	63.13	-6.07	V	57.06	73.98	16.92	PK
11420	48.82	-6.07	V	42.75	53.98	11.23	AV
17130	62.30	-0.81	V	61.49	68.20	6.71	PK
11420	62.70	-6.07	H	56.63	73.98	17.35	PK
11420	48.64	-6.07	H	42.57	53.98	11.41	AV
17130	62.24	-0.81	H	61.43	68.20	6.77	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2C
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	62.14	-6.21	V	55.93	73.98	18.05	PK
11060	48.58	-6.21	V	42.37	53.98	11.61	AV
16590	62.72	-3.20	V	59.52	68.20	8.68	PK
11060	62.52	-6.21	H	56.31	73.98	17.67	PK
11060	48.27	-6.21	H	42.06	53.98	11.92	AV
16590	62.38	-3.20	H	59.18	68.20	9.02	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5690 MHz
Channel No.	138 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	62.65	-5.59	V	57.06	73.98	16.92	PK
11380	48.62	-5.59	V	43.03	53.98	10.95	AV
17070	63.38	-1.32	V	62.06	68.20	6.14	PK
11380	62.31	-5.59	H	56.72	73.98	17.26	PK
11380	48.34	-5.59	H	42.75	53.98	11.23	AV
17070	62.85	-1.32	H	61.53	68.20	6.67	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	63.20	-6.10	V	57.10	73.98	16.88	PK
11490	49.44	-6.10	V	43.34	53.98	10.64	AV
17235	62.76	-1.35	V	61.41	68.20	6.79	PK
11490	63.08	-6.10	H	56.98	73.98	17.00	PK
11490	49.25	-6.10	H	43.15	53.98	10.83	AV
17235	62.54	-1.35	H	61.19	68.20	7.01	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	63.10	-5.57	V	57.53	73.98	16.45	PK
11570	49.38	-5.57	V	43.81	53.98	10.17	AV
17355	63.13	-0.39	V	62.74	68.20	5.46	PK
11570	63.37	-5.57	H	57.80	73.98	16.18	PK
11570	49.15	-5.57	H	43.58	53.98	10.40	AV
17355	62.82	-0.39	H	62.43	68.20	5.77	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	62.68	-6.63	V	56.05	73.98	17.93	PK
11650	49.13	-6.63	V	42.50	53.98	11.48	AV
17475	63.05	0.29	V	63.34	68.20	4.86	PK
11650	63.14	-6.63	H	56.51	73.98	17.47	PK
11650	49.06	-6.63	H	42.43	53.98	11.55	AV
17475	63.27	0.29	H	63.56	68.20	4.64	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 3
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	63.08	-6.10	V	56.98	73.98	17.00	PK
11490	49.29	-6.10	V	43.19	53.98	10.79	AV
17235	62.74	-1.35	V	61.39	68.20	6.81	PK
11490	63.15	-6.10	H	57.05	73.98	16.93	PK
11490	49.12	-6.10	H	43.02	53.98	10.96	AV
17235	62.58	-1.35	H	61.23	68.20	6.97	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	63.12	-5.57	V	57.55	73.98	16.43	PK
11570	49.52	-5.57	V	43.95	53.98	10.03	AV
17355	63.29	-0.39	V	62.90	68.20	5.30	PK
11570	63.18	-5.57	H	57.61	73.98	16.37	PK
11570	49.34	-5.57	H	43.77	53.98	10.21	AV
17355	62.94	-0.39	H	62.55	68.20	5.65	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	62.92	-6.63	V	56.29	73.98	17.69	PK
11650	49.08	-6.63	V	42.45	53.98	11.53	AV
17475	62.94	0.29	V	63.23	68.20	4.97	PK
11650	63.03	-6.63	H	56.40	73.98	17.58	PK
11650	49.27	-6.63	H	42.64	53.98	11.34	AV
17475	62.81	0.29	H	63.10	68.20	5.10	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	63.02	-6.10	V	56.92	73.98	17.06	PK
11490	49.05	-6.10	V	42.95	53.98	11.03	AV
17235	63.19	-1.35	V	61.84	68.20	6.36	PK
11490	63.28	-6.10	H	57.18	73.98	16.80	PK
11490	48.76	-6.10	H	42.66	53.98	11.32	AV
17235	63.02	-1.35	H	61.67	68.20	6.53	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	63.18	-5.57	V	57.61	73.98	16.37	PK
11570	49.05	-5.57	V	43.48	53.98	10.50	AV
17355	63.29	-0.39	V	62.90	68.20	5.30	PK
11570	63.11	-5.57	H	57.54	73.98	16.44	PK
11570	49.03	-5.57	H	43.46	53.98	10.52	AV
17355	62.97	-0.39	H	62.58	68.20	5.62	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	63.32	-6.63	V	56.69	73.98	17.29	PK
11650	49.29	-6.63	V	42.66	53.98	11.32	AV
17475	62.50	0.29	V	62.79	68.20	5.41	PK
11650	62.93	-6.63	H	56.30	73.98	17.68	PK
11650	48.70	-6.63	H	42.07	53.98	11.91	AV
17475	62.84	0.29	H	63.13	68.20	5.07	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII3
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	63.12	-6.26	V	56.86	73.98	17.12	PK
11510	49.43	-6.26	V	43.17	53.98	10.81	AV
17265	62.92	-1.10	V	61.82	68.20	6.38	PK
11510	62.85	-6.26	H	56.59	73.98	17.39	PK
11510	49.28	-6.26	H	43.02	53.98	10.96	AV
17265	62.80	-1.10	H	61.70	68.20	6.50	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	63.87	-5.92	V	57.95	73.98	16.03	PK
11590	49.51	-5.92	V	43.59	53.98	10.39	AV
17385	62.38	-0.24	V	62.14	68.20	6.06	PK
11590	63.50	-5.92	H	57.58	73.98	16.40	PK
11590	49.23	-5.92	H	43.31	53.98	10.67	AV
17385	62.54	-0.24	H	62.30	68.20	5.90	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	63.10	-6.26	V	56.84	73.98	17.14	PK
11510	49.25	-6.26	V	42.99	53.98	10.99	AV
17265	63.28	-1.10	V	62.18	68.20	6.02	PK
11510	63.14	-6.26	H	56.88	73.98	17.10	PK
11510	49.13	-6.26	H	42.87	53.98	11.11	AV
17265	63.32	-1.10	H	62.22	68.20	5.98	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	63.37	-5.92	V	57.45	73.98	16.53	PK
11590	49.45	-5.92	V	43.53	53.98	10.45	AV
17385	62.83	-0.24	V	62.59	68.20	5.61	PK
11590	63.12	-5.92	H	57.20	73.98	16.78	PK
11590	49.20	-5.92	H	43.28	53.98	10.70	AV
17385	62.58	-0.24	H	62.34	68.20	5.86	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 3
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	63.24	-5.97	V	57.27	73.98	16.71	PK
11550	49.41	-5.97	V	43.44	53.98	10.54	AV
17325	62.45	-0.24	V	62.21	68.20	5.99	PK
11550	63.02	-5.97	H	57.05	73.98	16.93	PK
11550	49.11	-5.97	H	43.14	53.98	10.84	AV
17325	62.70	-0.24	H	62.46	68.20	5.74	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Above 1 GHz

Standalone with wireless charging cover (open)

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	63.00	-6.51	V	56.49	68.20	11.71	PK
15540	65.46	-6.42	V	59.04	73.98	14.94	PK
15540	50.53	-6.42	V	44.11	53.98	9.87	AV
10360	62.42	-6.51	H	55.91	68.20	12.29	PK
15540	62.77	-6.42	H	56.35	73.98	17.63	PK
15540	49.42	-6.42	H	43.00	53.98	10.98	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	63.78	-6.49	V	57.29	68.20	10.91	PK
15600	64.36	-7.15	V	57.21	73.98	16.77	PK
15600	50.91	-7.15	V	43.76	53.98	10.22	AV
10400	63.45	-6.49	H	56.96	68.20	11.24	PK
15600	63.78	-7.15	H	56.63	73.98	17.35	PK
15600	49.79	-7.15	H	42.64	53.98	11.34	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	63.39	-6.96	V	56.43	68.20	11.77	PK
15720	64.26	-6.62	V	57.64	73.98	16.34	PK
15720	50.43	-6.62	V	43.81	53.98	10.17	AV
10480	63.17	-6.96	H	56.21	68.20	11.99	PK
15720	63.39	-6.96	H	56.43	73.98	17.55	PK
15720	49.82	-6.62	H	43.20	53.98	10.78	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	62.42	-6.51	V	55.91	68.20	12.29	PK
15540	64.84	-6.42	V	58.42	73.98	15.56	PK
15540	50.30	-6.42	V	43.88	53.98	10.10	AV
10360	61.97	-6.51	H	55.46	68.20	12.74	PK
15540	63.98	-6.42	H	57.56	73.98	16.42	PK
15540	49.41	-6.42	H	42.99	53.98	10.99	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	62.95	-6.49	V	56.46	68.20	11.74	PK
15600	64.71	-7.15	V	57.56	73.98	16.42	PK
15600	51.05	-7.15	V	43.90	53.98	10.08	AV
10400	62.68	-6.49	H	56.19	68.20	12.01	PK
15600	63.42	-7.15	H	56.27	73.98	17.71	PK
15600	50.00	-7.15	H	42.85	53.98	11.13	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	63.44	-6.96	V	56.48	68.20	11.72	PK
15720	64.11	-6.62	V	57.49	73.98	16.49	PK
15720	50.41	-6.62	V	43.79	53.98	10.19	AV
10480	63.15	-6.96	H	56.19	68.20	12.01	PK
15720	63.48	-6.96	H	56.52	73.98	17.46	PK
15720	49.83	-6.62	H	43.21	53.98	10.77	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	63.12	-6.51	V	56.61	68.20	11.59	PK
15540	64.41	-6.42	V	57.99	73.98	15.99	PK
15540	50.28	-6.42	V	43.86	53.98	10.12	AV
10360	62.45	-6.51	H	55.94	68.20	12.26	PK
15540	63.57	-6.42	H	57.15	73.98	16.83	PK
15540	49.49	-6.42	H	43.07	53.98	10.91	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	62.88	-6.49	V	56.39	68.20	11.81	PK
15600	64.38	-7.15	V	57.23	73.98	16.75	PK
15600	51.01	-7.15	V	43.86	53.98	10.12	AV
10400	62.72	-6.49	H	56.23	68.20	11.97	PK
15600	62.38	-7.15	H	55.23	73.98	18.75	PK
15600	49.98	-7.15	H	42.83	53.98	11.15	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	63.35	-6.96	V	56.39	68.20	11.81	PK
15720	64.21	-6.62	V	57.59	73.98	16.39	PK
15720	50.38	-6.62	V	43.76	53.98	10.22	AV
10480	62.98	-6.96	H	56.02	68.20	12.18	PK
15720	63.35	-6.96	H	56.39	73.98	17.59	PK
15720	49.85	-6.62	H	43.23	53.98	10.75	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	62.38	-5.38	V	57.00	68.20	11.20	PK
15570	62.98	-6.41	V	56.57	73.98	17.41	PK
15570	49.90	-6.41	V	43.49	53.98	10.49	AV
10380	62.57	-5.38	H	57.19	68.20	11.01	PK
15570	63.11	-6.41	H	56.70	73.98	17.28	PK
15570	49.89	-6.41	H	43.48	53.98	10.50	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	63.54	-6.88	V	56.66	68.20	11.54	PK
15690	63.66	-6.64	V	57.02	73.98	16.96	PK
15690	49.95	-6.64	V	43.31	53.98	10.67	AV
10460	63.48	-6.88	H	56.60	68.20	11.60	PK
15690	62.97	-6.64	H	56.33	73.98	17.65	PK
15690	49.93	-6.64	H	43.29	53.98	10.69	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	62.32	-5.38	V	56.94	68.20	11.26	PK
15570	63.01	-6.41	V	56.60	73.98	17.38	PK
15570	49.87	-6.41	V	43.46	53.98	10.52	AV
10380	62.54	-5.38	H	57.16	68.20	11.04	PK
15570	63.21	-6.41	H	56.80	73.98	17.18	PK
15570	49.85	-6.41	H	43.44	53.98	10.54	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	63.48	-6.88	V	56.60	68.20	11.60	PK
15690	63.54	-6.64	V	56.90	73.98	17.08	PK
15690	49.91	-6.64	V	43.27	53.98	10.71	AV
10460	62.98	-6.88	H	56.10	68.20	12.10	PK
15690	63.02	-6.64	H	56.38	73.98	17.60	PK
15690	49.89	-6.64	H	43.25	53.98	10.73	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 1
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	64.16	-6.32	V	57.84	68.20	10.36	PK
15630	63.42	-7.14	V	56.28	73.98	17.70	PK
15630	49.66	-7.14	V	42.52	53.98	11.46	AV
10420	63.84	-6.32	H	57.52	68.20	10.68	PK
15630	63.43	-7.14	H	56.29	73.98	17.69	PK
15630	49.59	-7.14	H	42.45	53.98	11.53	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	62.99	-6.52	V	56.47	68.20	11.73	PK
15780	63.13	-6.67	V	56.46	73.98	17.52	PK
15780	49.48	-6.67	V	42.81	53.98	11.17	AV
10520	63.12	-6.52	H	56.60	68.20	11.60	PK
15780	63.50	-6.67	H	56.83	73.98	17.15	PK
15780	49.37	-6.67	H	42.70	53.98	11.28	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	63.33	-6.72	V	56.61	73.98	17.37	PK
10600	49.43	-6.72	V	42.71	53.98	11.27	AV
15900	63.39	-7.00	V	56.39	73.98	17.59	PK
15900	49.62	-7.00	V	42.62	53.98	11.36	AV
10600	63.15	-6.72	H	56.43	73.98	17.55	PK
10600	49.40	-6.72	H	42.68	53.98	11.30	AV
15900	63.68	-7.00	H	56.68	73.98	17.30	PK
15900	49.73	-7.00	H	42.73	53.98	11.25	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	63.53	-6.43	V	57.10	73.98	16.88	PK
10640	49.38	-6.43	V	42.95	53.98	11.03	AV
15960	63.32	-6.93	V	56.39	73.98	17.59	PK
15960	49.12	-6.93	V	42.19	53.98	11.79	AV
10640	63.49	-6.43	H	57.06	73.98	16.92	PK
10640	49.28	-6.43	H	42.85	53.98	11.13	AV
15960	63.48	-6.93	H	56.55	73.98	17.43	PK
15960	49.08	-6.93	H	42.15	53.98	11.83	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	62.97	-6.52	V	56.45	68.20	11.75	PK
15780	63.28	-6.67	V	56.61	73.98	17.37	PK
15780	49.41	-6.67	V	42.74	53.98	11.24	AV
10520	62.88	-6.52	H	56.36	68.20	11.84	PK
15780	62.87	-6.67	H	56.20	73.98	17.78	PK
15780	49.51	-6.67	H	42.84	53.98	11.14	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	63.38	-6.72	V	56.66	73.98	17.32	PK
10600	49.40	-6.72	V	42.68	53.98	11.30	AV
15900	63.29	-7.00	V	56.29	73.98	17.69	PK
15900	49.58	-7.00	V	42.58	53.98	11.40	AV
10600	62.98	-6.72	H	56.26	73.98	17.72	PK
10600	49.38	-6.72	H	42.66	53.98	11.32	AV
15900	63.48	-7.00	H	56.48	73.98	17.50	PK
15900	49.68	-7.00	H	42.68	53.98	11.30	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	63.15	-6.43	V	56.72	73.98	17.26	PK
10640	49.34	-6.43	V	42.91	53.98	11.07	AV
15960	62.27	-6.93	V	55.34	73.98	18.64	PK
15960	49.08	-6.93	V	42.15	53.98	11.83	AV
10640	63.24	-6.43	H	56.81	73.98	17.17	PK
10640	49.31	-6.43	H	42.88	53.98	11.10	AV
15960	63.33	-6.93	H	56.40	73.98	17.58	PK
15960	49.11	-6.93	H	42.18	53.98	11.80	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5260MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	63.15	-6.52	V	56.63	68.20	11.57	PK
15780	63.11	-6.67	V	56.44	73.98	17.54	PK
15780	49.40	-6.67	V	42.73	53.98	11.25	AV
10520	63.12	-6.52	H	56.60	68.20	11.60	PK
15780	62.97	-6.67	H	56.30	73.98	17.68	PK
15780	49.49	-6.67	H	42.82	53.98	11.16	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	63.23	-6.72	V	56.51	73.98	17.47	PK
10600	49.38	-6.72	V	42.66	53.98	11.32	AV
15900	62.97	-7.00	V	55.97	73.98	18.01	PK
15900	49.57	-7.00	V	42.57	53.98	11.41	AV
10600	63.14	-6.72	H	56.42	73.98	17.56	PK
10600	49.37	-6.72	H	42.65	53.98	11.33	AV
15900	63.22	-7.00	H	56.22	73.98	17.76	PK
15900	49.65	-7.00	H	42.65	53.98	11.33	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	63.01	-6.43	V	56.58	73.98	17.40	PK
10640	49.32	-6.43	V	42.89	53.98	11.09	AV
15960	62.37	-6.93	V	55.44	73.98	18.54	PK
15960	49.08	-6.93	V	42.15	53.98	11.83	AV
10640	62.34	-6.43	H	55.91	73.98	18.07	PK
10640	49.29	-6.43	H	42.86	53.98	11.12	AV
15960	63.21	-6.93	H	56.28	73.98	17.70	PK
15960	49.10	-6.93	H	42.17	53.98	11.81	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	62.45	-5.77	V	56.68	68.20	11.52	PK
15810	63.17	-7.47	V	55.70	73.98	18.28	PK
15810	49.78	-7.47	V	42.31	53.98	11.67	AV
10540	63.07	-5.77	H	57.30	68.20	10.90	PK
15810	63.32	-7.47	H	55.85	73.98	18.13	PK
15810	49.75	-7.47	H	42.28	53.98	11.70	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	63.00	-6.36	V	56.64	73.98	17.34	PK
10620	49.25	-6.36	V	42.89	53.98	11.09	AV
15930	63.70	-6.77	V	56.93	73.98	17.05	PK
15930	49.56	-6.77	V	42.79	53.98	11.19	AV
10620	63.09	-6.36	H	56.73	73.98	17.25	PK
10620	49.24	-6.36	H	42.88	53.98	11.10	AV
15930	63.37	-6.77	H	56.60	73.98	17.38	PK
15930	49.56	-6.77	H	42.79	53.98	11.19	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	63.11	-5.77	V	57.34	68.20	10.86	PK
15810	62.97	-7.47	V	55.50	73.98	18.48	PK
15810	49.76	-7.47	V	42.29	53.98	11.69	AV
10540	62.99	-5.77	H	57.22	68.20	10.98	PK
15810	63.28	-7.47	H	55.81	73.98	18.17	PK
15810	49.72	-7.47	H	42.25	53.98	11.73	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	63.12	-6.36	V	56.76	73.98	17.22	PK
10620	49.23	-6.36	V	42.87	53.98	11.11	AV
15930	63.54	-6.77	V	56.77	73.98	17.21	PK
15930	49.54	-6.77	V	42.77	53.98	11.21	AV
10620	62.87	-6.36	H	56.51	73.98	17.47	PK
10620	49.21	-6.36	H	42.85	53.98	11.13	AV
15930	63.11	-6.77	H	56.34	73.98	17.64	PK
15930	49.53	-6.77	H	42.76	53.98	11.22	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2A
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	63.17	-5.70	V	57.47	68.20	10.73	PK
15870	63.15	-7.27	V	55.88	73.98	18.10	PK
15870	49.66	-7.27	V	42.39	53.98	11.59	AV
10580	63.24	-5.70	H	57.54	68.20	10.66	PK
15870	63.11	-7.27	H	55.84	73.98	18.14	PK
15870	49.61	-7.27	H	42.34	53.98	11.64	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	63.33	-5.06	V	58.27	73.98	15.71	PK
11000	49.04	-5.06	V	43.98	53.98	10.00	AV
16500	63.21	-4.35	V	58.86	68.20	9.34	PK
11000	63.34	-5.06	H	58.28	73.98	15.70	PK
11000	49.19	-5.06	H	44.13	53.98	9.85	AV
16500	63.14	-4.35	H	58.79	68.20	9.41	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	62.81	-5.55	V	57.26	73.98	16.72	PK
11160	49.24	-5.55	V	43.69	53.98	10.29	AV
16740	63.04	-3.73	V	59.31	68.20	8.89	PK
11160	62.78	-5.55	H	57.23	73.98	16.75	PK
11160	49.18	-5.55	H	43.63	53.98	10.35	AV
16740	62.99	-3.73	H	59.26	68.20	8.94	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	62.24	-6.08	V	56.16	73.98	17.82	PK
11400	48.77	-6.08	V	42.69	53.98	11.29	AV
17100	62.38	-0.85	V	61.53	68.20	6.67	PK
11400	62.05	-6.08	H	55.97	73.98	18.01	PK
11400	48.69	-6.08	H	42.61	53.98	11.37	AV
17100	62.41	-0.85	H	61.56	68.20	6.64	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	62.89	-5.06	V	57.83	73.98	16.15	PK
11000	49.18	-5.06	V	44.12	53.98	9.86	AV
16500	63.36	-4.35	V	59.01	68.20	9.19	PK
11000	63.22	-5.06	H	58.16	73.98	15.82	PK
11000	49.02	-5.06	H	43.96	53.98	10.02	AV
16500	63.43	-4.35	H	59.08	68.20	9.12	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	62.99	-5.55	V	57.44	73.98	16.54	PK
11160	49.22	-5.55	V	43.67	53.98	10.31	AV
16740	62.94	-3.73	V	59.21	68.20	8.99	PK
11160	62.70	-5.55	H	57.15	73.98	16.83	PK
11160	49.20	-5.55	H	43.65	53.98	10.33	AV
16740	63.11	-3.73	H	59.38	68.20	8.82	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	62.22	-6.08	V	56.14	73.98	17.84	PK
11400	48.76	-6.08	V	42.68	53.98	11.30	AV
17100	62.54	-0.85	V	61.69	68.20	6.51	PK
11400	62.37	-6.08	H	56.29	73.98	17.69	PK
11400	48.65	-6.08	H	42.57	53.98	11.41	AV
17100	62.28	-0.85	H	61.43	68.20	6.77	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5500MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	63.13	-5.06	V	58.07	73.98	15.91	PK
11000	49.16	-5.06	V	44.10	53.98	9.88	AV
16500	63.28	-4.35	V	58.93	68.20	9.27	PK
11000	63.38	-5.06	H	58.32	73.98	15.66	PK
11000	49.01	-5.06	H	43.95	53.98	10.03	AV
16500	63.51	-4.35	H	59.16	68.20	9.04	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	62.97	-5.55	V	57.42	73.98	16.56	PK
11160	49.20	-5.55	V	43.65	53.98	10.33	AV
16740	63.02	-3.73	V	59.29	68.20	8.91	PK
11160	62.65	-5.55	H	57.10	73.98	16.88	PK
11160	49.18	-5.55	H	43.63	53.98	10.35	AV
16740	62.85	-3.73	H	59.12	68.20	9.08	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	62.76	-6.08	V	56.68	73.98	17.30	PK
11400	48.74	-6.08	V	42.66	53.98	11.32	AV
17100	62.84	-0.85	V	61.99	68.20	6.21	PK
11400	63.25	-6.08	H	57.17	73.98	16.81	PK
11400	48.63	-6.08	H	42.55	53.98	11.43	AV
17100	62.37	-0.85	H	61.52	68.20	6.68	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	62.71	-5.86	V	56.85	73.98	17.13	PK
11020	48.89	-5.86	V	43.03	53.98	10.95	AV
16530	62.80	-3.75	V	59.05	68.20	9.15	PK
11020	63.24	-5.86	H	57.38	73.98	16.60	PK
11020	48.87	-5.86	H	43.01	53.98	10.97	AV
16530	62.87	-3.75	H	59.12	68.20	9.08	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5670 MHz
Channel No.	134 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11340	63.01	-5.10	V	57.91	73.98	16.07	PK
11340	48.88	-5.10	V	43.78	53.98	10.20	AV
17010	61.77	-1.27	V	60.50	68.20	7.70	PK
11340	63.22	-5.10	H	58.12	73.98	15.86	PK
11340	48.87	-5.10	H	43.77	53.98	10.21	AV
17010	62.18	-1.27	H	60.91	68.20	7.29	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	62.87	-5.86	V	57.01	73.98	16.97	PK
11020	48.88	-5.86	V	43.02	53.98	10.96	AV
16530	62.78	-3.75	V	59.03	68.20	9.17	PK
11020	62.97	-5.86	H	57.11	73.98	16.87	PK
11020	48.85	-5.86	H	42.99	53.98	10.99	AV
16530	63.05	-3.75	H	59.30	68.20	8.90	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	62.93	-6.07	V	56.86	73.98	17.12	PK
11420	48.85	-6.07	V	42.78	53.98	11.20	AV
17130	62.05	-0.81	V	61.24	68.20	6.96	PK
11420	62.87	-6.07	H	56.80	73.98	17.18	PK
11420	48.82	-6.07	H	42.75	53.98	11.23	AV
17130	62.14	-0.81	H	61.33	68.20	6.87	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	62.08	-6.21	V	55.87	73.98	18.11	PK
11060	48.41	-6.21	V	42.20	53.98	11.78	AV
16590	62.60	-3.20	V	59.40	68.20	8.80	PK
11060	62.28	-6.21	H	56.07	73.98	17.91	PK
11060	48.37	-6.21	H	42.16	53.98	11.82	AV
16590	62.54	-3.20	H	59.34	68.20	8.86	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 2C
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5690 MHz
Channel No.	138 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	62.69	-5.59	V	57.10	73.98	16.88	PK
11380	48.59	-5.59	V	43.00	53.98	10.98	AV
17070	63.24	-1.32	V	61.92	68.20	6.28	PK
11380	62.44	-5.59	H	56.85	73.98	17.13	PK
11380	48.54	-5.59	H	42.95	53.98	11.03	AV
17070	63.31	-1.32	H	61.99	68.20	6.21	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	62.97	-6.10	V	56.87	73.98	17.11	PK
11490	49.41	-6.10	V	43.31	53.98	10.67	AV
17235	63.14	-1.35	V	61.79	68.20	6.41	PK
11490	63.62	-6.10	H	57.52	73.98	16.46	PK
11490	49.37	-6.10	H	43.27	53.98	10.71	AV
17235	62.42	-1.35	H	61.07	68.20	7.13	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	62.27	-5.57	V	56.70	73.98	17.28	PK
11570	49.24	-5.57	V	43.67	53.98	10.31	AV
17355	63.11	-0.39	V	62.72	68.20	5.48	PK
11570	62.95	-5.57	H	57.38	73.98	16.60	PK
11570	49.26	-5.57	H	43.69	53.98	10.29	AV
17355	62.81	-0.39	H	62.42	68.20	5.78	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	63.90	-6.63	V	57.27	73.98	16.71	PK
11650	49.57	-6.63	V	42.94	53.98	11.04	AV
17475	62.07	0.29	V	62.36	68.20	5.84	PK
11650	63.47	-6.63	H	56.84	73.98	17.14	PK
11650	49.53	-6.63	H	42.90	53.98	11.08	AV
17475	62.25	0.29	H	62.54	68.20	5.66	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	63.13	-6.10	V	57.03	73.98	16.95	PK
11490	49.38	-6.10	V	43.28	53.98	10.70	AV
17235	63.27	-1.35	V	61.92	68.20	6.28	PK
11490	63.87	-6.10	H	57.77	73.98	16.21	PK
11490	49.36	-6.10	H	43.26	53.98	10.72	AV
17235	62.29	-1.35	H	60.94	68.20	7.26	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	63.07	-5.57	V	57.50	73.98	16.48	PK
11570	49.21	-5.57	V	43.64	53.98	10.34	AV
17355	62.97	-0.39	V	62.58	68.20	5.62	PK
11570	63.01	-5.57	H	57.44	73.98	16.54	PK
11570	49.31	-5.57	H	43.74	53.98	10.24	AV
17355	62.86	-0.39	H	62.47	68.20	5.73	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	63.28	-6.63	V	56.65	73.98	17.33	PK
11650	49.51	-6.63	V	42.88	53.98	11.10	AV
17475	62.48	0.29	V	62.77	68.20	5.43	PK
11650	62.89	-6.63	H	56.26	73.98	17.72	PK
11650	49.54	-6.63	H	42.91	53.98	11.07	AV
17475	62.54	0.29	H	62.83	68.20	5.37	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	63.21	-6.10	V	57.11	73.98	16.87	PK
11490	49.35	-6.10	V	43.25	53.98	10.73	AV
17235	63.43	-1.35	V	62.08	68.20	6.12	PK
11490	63.48	-6.10	H	57.38	73.98	16.60	PK
11490	49.35	-6.10	H	43.25	53.98	10.73	AV
17235	62.76	-1.35	H	61.41	68.20	6.79	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	63.05	-5.57	V	57.48	73.98	16.50	PK
11570	49.19	-5.57	V	43.62	53.98	10.36	AV
17355	63.13	-0.39	V	62.74	68.20	5.46	PK
11570	63.21	-5.57	H	57.64	73.98	16.34	PK
11570	49.29	-5.57	H	43.72	53.98	10.26	AV
17355	62.97	-0.39	H	62.58	68.20	5.62	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	63.11	-6.63	V	56.48	73.98	17.50	PK
11650	49.49	-6.63	V	42.86	53.98	11.12	AV
17475	62.79	0.29	V	63.08	68.20	5.12	PK
11650	63.11	-6.63	H	56.48	73.98	17.50	PK
11650	49.52	-6.63	H	42.89	53.98	11.09	AV
17475	62.48	0.29	H	62.77	68.20	5.43	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII3
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	63.25	-6.26	V	56.99	73.98	16.99	PK
11510	49.51	-6.26	V	43.25	53.98	10.73	AV
17265	62.86	-1.10	V	61.76	68.20	6.44	PK
11510	62.97	-6.26	H	56.71	73.98	17.27	PK
11510	49.49	-6.26	H	43.23	53.98	10.75	AV
17265	62.88	-1.10	H	61.78	68.20	6.42	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	63.90	-5.92	V	57.98	73.98	16.00	PK
11590	49.21	-5.92	V	43.29	53.98	10.69	AV
17385	62.19	-0.24	V	61.95	68.20	6.25	PK
11590	63.87	-5.92	H	57.95	73.98	16.03	PK
11590	49.18	-5.92	H	43.26	53.98	10.72	AV
17385	62.37	-0.24	H	62.13	68.20	6.07	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	63.08	-6.26	V	56.82	73.98	17.16	PK
11510	49.48	-6.26	V	43.22	53.98	10.76	AV
17265	62.93	-1.10	V	61.83	68.20	6.37	PK
11510	63.03	-6.26	H	56.77	73.98	17.21	PK
11510	49.45	-6.26	H	43.19	53.98	10.79	AV
17265	63.21	-1.10	H	62.11	68.20	6.09	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	63.74	-5.92	V	57.82	73.98	16.16	PK
11590	49.17	-5.92	V	43.25	53.98	10.73	AV
17385	62.35	-0.24	V	62.11	68.20	6.09	PK
11590	63.43	-5.92	H	57.51	73.98	16.47	PK
11590	49.11	-5.92	H	43.19	53.98	10.79	AV
17385	62.64	-0.24	H	62.40	68.20	5.80	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Band :	UNII 3
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	62.91	-5.97	V	56.94	73.98	17.04	PK
11550	49.31	-5.97	V	43.34	53.98	10.64	AV
17325	62.11	-0.24	V	61.87	68.20	6.33	PK
11550	63.11	-5.97	H	57.14	73.98	16.84	PK
11550	49.23	-5.97	H	43.26	53.98	10.72	AV
17325	62.47	-0.24	H	62.23	68.20	5.97	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. We were attached the results of standalone with wireless charging cover (open). Because the results of open condition is higher than close condition.

Above 1 GHz

With wireless Charging Pad

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	63.02	-6.51	V	56.51	68.20	11.69	PK
15540	63.97	-6.42	V	57.55	73.98	16.43	PK
15540	50.12	-6.42	V	43.70	53.98	10.28	AV
10360	63.60	-6.51	H	57.09	68.20	11.11	PK
15540	64.07	-6.42	H	57.65	73.98	16.33	PK
15540	49.45	-6.42	H	43.03	53.98	10.95	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	63.17	-6.49	V	56.68	68.20	11.52	PK
15600	64.17	-7.15	V	57.02	73.98	16.96	PK
15600	50.28	-7.15	V	43.13	53.98	10.85	AV
10400	62.79	-6.49	H	56.30	68.20	11.90	PK
15600	63.77	-7.15	H	56.62	73.98	17.36	PK
15600	49.99	-7.15	H	42.84	53.98	11.14	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	63.28	-6.96	V	56.32	68.20	11.88	PK
15720	64.21	-6.62	V	57.59	73.98	16.39	PK
15720	50.41	-6.62	V	43.79	53.98	10.19	AV
10480	63.15	-6.96	H	56.19	68.20	12.01	PK
15720	63.41	-6.96	H	56.45	73.98	17.53	PK
15720	49.79	-6.62	H	43.17	53.98	10.81	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	62.43	-6.51	V	55.92	68.20	12.28	PK
15540	63.52	-6.42	V	57.10	73.98	16.88	PK
15540	49.84	-6.42	V	43.42	53.98	10.56	AV
10360	61.99	-6.51	H	55.48	68.20	12.72	PK
15540	63.89	-6.42	H	57.47	73.98	16.51	PK
15540	49.42	-6.42	H	43.00	53.98	10.98	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	62.84	-6.49	V	56.35	68.20	11.85	PK
15600	63.45	-7.15	V	56.30	73.98	17.68	PK
15600	50.11	-7.15	V	42.96	53.98	11.02	AV
10400	62.71	-6.49	H	56.22	68.20	11.98	PK
15600	63.29	-7.15	H	56.14	73.98	17.84	PK
15600	50.02	-7.15	H	42.87	53.98	11.11	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	63.54	-6.96	V	56.58	68.20	11.62	PK
15720	63.87	-6.62	V	57.25	73.98	16.73	PK
15720	49.98	-6.62	V	43.36	53.98	10.62	AV
10480	63.13	-6.96	H	56.17	68.20	12.03	PK
15720	63.45	-6.96	H	56.49	73.98	17.49	PK
15720	49.84	-6.62	H	43.22	53.98	10.76	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	63.31	-6.51	V	56.80	68.20	11.40	PK
15540	63.92	-6.42	V	57.50	73.98	16.48	PK
15540	49.81	-6.42	V	43.39	53.98	10.59	AV
10360	62.54	-6.51	H	56.03	68.20	12.17	PK
15540	63.51	-6.42	H	57.09	73.98	16.89	PK
15540	49.47	-6.42	H	43.05	53.98	10.93	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	62.93	-6.49	V	56.44	68.20	11.76	PK
15600	63.01	-7.15	V	55.86	73.98	18.12	PK
15600	50.11	-7.15	V	42.96	53.98	11.02	AV
10400	62.68	-6.49	H	56.19	68.20	12.01	PK
15600	62.46	-7.15	H	55.31	73.98	18.67	PK
15600	50.04	-7.15	H	42.89	53.98	11.09	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	63.12	-6.96	V	56.16	68.20	12.04	PK
15720	64.19	-6.62	V	57.57	73.98	16.41	PK
15720	50.21	-6.62	V	43.59	53.98	10.39	AV
10480	63.00	-6.96	H	56.04	68.20	12.16	PK
15720	63.21	-6.96	H	56.25	73.98	17.73	PK
15720	49.91	-6.62	H	43.29	53.98	10.69	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	62.41	-5.38	V	57.03	68.20	11.17	PK
15570	63.03	-6.41	V	56.62	73.98	17.36	PK
15570	50.06	-6.41	V	43.65	53.98	10.33	AV
10380	62.54	-5.38	H	57.16	68.20	11.04	PK
15570	63.08	-6.41	H	56.67	73.98	17.31	PK
15570	50.01	-6.41	H	43.60	53.98	10.38	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	63.48	-6.88	V	56.60	68.20	11.60	PK
15690	63.59	-6.64	V	56.95	73.98	17.03	PK
15690	49.94	-6.64	V	43.30	53.98	10.68	AV
10460	63.41	-6.88	H	56.53	68.20	11.67	PK
15690	63.15	-6.64	H	56.51	73.98	17.47	PK
15690	49.97	-6.64	H	43.33	53.98	10.65	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	62.34	-5.38	V	56.96	68.20	11.24	PK
15570	62.98	-6.41	V	56.57	73.98	17.41	PK
15570	49.84	-6.41	V	43.43	53.98	10.55	AV
10380	62.48	-5.38	H	57.10	68.20	11.10	PK
15570	63.18	-6.41	H	56.77	73.98	17.21	PK
15570	49.88	-6.41	H	43.47	53.98	10.51	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	63.24	-6.88	V	56.36	68.20	11.84	PK
15690	63.48	-6.64	V	56.84	73.98	17.14	PK
15690	49.90	-6.64	V	43.26	53.98	10.72	AV
10460	63.02	-6.88	H	56.14	68.20	12.06	PK
15690	63.13	-6.64	H	56.49	73.98	17.49	PK
15690	49.88	-6.64	H	43.24	53.98	10.74	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 1
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	63.89	-6.32	V	57.57	68.20	10.63	PK
15630	63.41	-7.14	V	56.27	73.98	17.71	PK
15630	49.68	-7.14	V	42.54	53.98	11.44	AV
10420	63.74	-6.32	H	57.42	68.20	10.78	PK
15630	63.29	-7.14	H	56.15	73.98	17.83	PK
15630	49.61	-7.14	H	42.47	53.98	11.51	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	63.01	-6.52	V	56.49	68.20	11.71	PK
15780	63.11	-6.67	V	56.44	73.98	17.54	PK
15780	49.45	-6.67	V	42.78	53.98	11.20	AV
10520	63.21	-6.52	H	56.69	68.20	11.51	PK
15780	63.58	-6.67	H	56.91	73.98	17.07	PK
15780	49.34	-6.67	H	42.67	53.98	11.31	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	63.48	-6.72	V	56.76	73.98	17.22	PK
10600	49.40	-6.72	V	42.68	53.98	11.30	AV
15900	63.77	-7.00	V	56.77	73.98	17.21	PK
15900	49.60	-7.00	V	42.60	53.98	11.38	AV
10600	63.20	-6.72	H	56.48	73.98	17.50	PK
10600	49.38	-6.72	H	42.66	53.98	11.32	AV
15900	63.58	-7.00	H	56.58	73.98	17.40	PK
15900	49.71	-7.00	H	42.71	53.98	11.27	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	63.76	-6.43	V	57.33	73.98	16.65	PK
10640	49.41	-6.43	V	42.98	53.98	11.00	AV
15960	63.54	-6.93	V	56.61	73.98	17.37	PK
15960	49.11	-6.93	V	42.18	53.98	11.80	AV
10640	63.55	-6.43	H	57.12	73.98	16.86	PK
10640	49.30	-6.43	H	42.87	53.98	11.11	AV
15960	63.47	-6.93	H	56.54	73.98	17.44	PK
15960	49.05	-6.93	H	42.12	53.98	11.86	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2A
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	62.78	-6.52	V	56.26	68.20	11.94	PK
15780	62.89	-6.67	V	56.22	73.98	17.76	PK
15780	49.43	-6.67	V	42.76	53.98	11.22	AV
10520	62.74	-6.52	H	56.22	68.20	11.98	PK
15780	62.77	-6.67	H	56.10	73.98	17.88	PK
15780	49.49	-6.67	H	42.82	53.98	11.16	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	63.43	-6.72	V	56.71	73.98	17.27	PK
10600	49.37	-6.72	V	42.65	53.98	11.33	AV
15900	63.45	-7.00	V	56.45	73.98	17.53	PK
15900	49.59	-7.00	V	42.59	53.98	11.39	AV
10600	63.01	-6.72	H	56.29	73.98	17.69	PK
10600	49.36	-6.72	H	42.64	53.98	11.34	AV
15900	63.25	-7.00	H	56.25	73.98	17.73	PK
15900	49.57	-7.00	H	42.57	53.98	11.41	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	63.00	-6.43	V	56.57	73.98	17.41	PK
10640	49.31	-6.43	V	42.88	53.98	11.10	AV
15960	62.87	-6.93	V	55.94	73.98	18.04	PK
15960	49.12	-6.93	V	42.19	53.98	11.79	AV
10640	63.18	-6.43	H	56.75	73.98	17.23	PK
10640	49.28	-6.43	H	42.85	53.98	11.13	AV
15960	63.45	-6.93	H	56.52	73.98	17.46	PK
15960	49.09	-6.93	H	42.16	53.98	11.82	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5260MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	63.11	-6.52	V	56.59	68.20	11.61	PK
15780	63.21	-6.67	V	56.54	73.98	17.44	PK
15780	49.38	-6.67	V	42.71	53.98	11.27	AV
10520	63.08	-6.52	H	56.56	68.20	11.64	PK
15780	63.05	-6.67	H	56.38	73.98	17.60	PK
15780	49.44	-6.67	H	42.77	53.98	11.21	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	62.99	-6.72	V	56.27	73.98	17.71	PK
10600	49.37	-6.72	V	42.65	53.98	11.33	AV
15900	63.01	-7.00	V	56.01	73.98	17.97	PK
15900	49.51	-7.00	V	42.51	53.98	11.47	AV
10600	63.28	-6.72	H	56.56	73.98	17.42	PK
10600	49.41	-6.72	H	42.69	53.98	11.29	AV
15900	63.17	-7.00	H	56.17	73.98	17.81	PK
15900	49.61	-7.00	H	42.61	53.98	11.37	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	63.07	-6.43	V	56.64	73.98	17.34	PK
10640	49.35	-6.43	V	42.92	53.98	11.06	AV
15960	62.42	-6.93	V	55.49	73.98	18.49	PK
15960	49.11	-6.93	V	42.18	53.98	11.80	AV
10640	62.37	-6.43	H	55.94	73.98	18.04	PK
10640	49.27	-6.43	H	42.84	53.98	11.14	AV
15960	63.11	-6.93	H	56.18	73.98	17.80	PK
15960	49.04	-6.93	H	42.11	53.98	11.87	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	62.84	-5.77	V	57.07	68.20	11.13	PK
15810	63.04	-7.47	V	55.57	73.98	18.41	PK
15810	49.88	-7.47	V	42.41	53.98	11.57	AV
10540	63.11	-5.77	H	57.34	68.20	10.86	PK
15810	63.18	-7.47	H	55.71	73.98	18.27	PK
15810	49.81	-7.47	H	42.34	53.98	11.64	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	63.03	-6.36	V	56.67	73.98	17.31	PK
10620	49.26	-6.36	V	42.90	53.98	11.08	AV
15930	63.74	-6.77	V	56.97	73.98	17.01	PK
15930	49.59	-6.77	V	42.82	53.98	11.16	AV
10620	63.05	-6.36	H	56.69	73.98	17.29	PK
10620	49.18	-6.36	H	42.82	53.98	11.16	AV
15930	63.28	-6.77	H	56.51	73.98	17.47	PK
15930	49.54	-6.77	H	42.77	53.98	11.21	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	63.05	-5.77	V	57.28	68.20	10.92	PK
15810	62.87	-7.47	V	55.40	73.98	18.58	PK
15810	49.77	-7.47	V	42.30	53.98	11.68	AV
10540	63.01	-5.77	H	57.24	68.20	10.96	PK
15810	63.22	-7.47	H	55.75	73.98	18.23	PK
15810	49.68	-7.47	H	42.21	53.98	11.77	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	63.21	-6.36	V	56.85	73.98	17.13	PK
10620	49.13	-6.36	V	42.77	53.98	11.21	AV
15930	63.58	-6.77	V	56.81	73.98	17.17	PK
15930	49.51	-6.77	V	42.74	53.98	11.24	AV
10620	62.84	-6.36	H	56.48	73.98	17.50	PK
10620	49.14	-6.36	H	42.78	53.98	11.20	AV
15930	63.13	-6.77	H	56.36	73.98	17.62	PK
15930	49.51	-6.77	H	42.74	53.98	11.24	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2A
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	63.24	-5.70	V	57.54	68.20	10.66	PK
15870	63.19	-7.27	V	55.92	73.98	18.06	PK
15870	49.68	-7.27	V	42.41	53.98	11.57	AV
10580	63.26	-5.70	H	57.56	68.20	10.64	PK
15870	63.08	-7.27	H	55.81	73.98	18.17	PK
15870	49.59	-7.27	H	42.32	53.98	11.66	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	63.41	-5.06	V	58.35	73.98	15.63	PK
11000	49.01	-5.06	V	43.95	53.98	10.03	AV
16500	63.32	-4.35	V	58.97	68.20	9.23	PK
11000	63.43	-5.06	H	58.37	73.98	15.61	PK
11000	49.15	-5.06	H	44.09	53.98	9.89	AV
16500	63.21	-4.35	H	58.86	68.20	9.34	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	62.77	-5.55	V	57.22	73.98	16.76	PK
11160	49.23	-5.55	V	43.68	53.98	10.30	AV
16740	62.87	-3.73	V	59.14	68.20	9.06	PK
11160	62.81	-5.55	H	57.26	73.98	16.72	PK
11160	49.16	-5.55	H	43.61	53.98	10.37	AV
16740	63.01	-3.73	H	59.28	68.20	8.92	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	62.22	-6.08	V	56.14	73.98	17.84	PK
11400	48.68	-6.08	V	42.60	53.98	11.38	AV
17100	62.37	-0.85	V	61.52	68.20	6.68	PK
11400	62.03	-6.08	H	55.95	73.98	18.03	PK
11400	48.65	-6.08	H	42.57	53.98	11.41	AV
17100	62.29	-0.85	H	61.44	68.20	6.76	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2C
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	62.97	-5.06	V	57.91	73.98	16.07	PK
11000	49.21	-5.06	V	44.15	53.98	9.83	AV
16500	63.29	-4.35	V	58.94	68.20	9.26	PK
11000	63.38	-5.06	H	58.32	73.98	15.66	PK
11000	49.04	-5.06	H	43.98	53.98	10.00	AV
16500	63.55	-4.35	H	59.20	68.20	9.00	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	63.13	-5.55	V	57.58	73.98	16.40	PK
11160	49.34	-5.55	V	43.79	53.98	10.19	AV
16740	63.21	-3.73	V	59.48	68.20	8.72	PK
11160	63.02	-5.55	H	57.47	73.98	16.51	PK
11160	49.21	-5.55	H	43.66	53.98	10.32	AV
16740	62.97	-3.73	H	59.24	68.20	8.96	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	62.29	-6.08	V	56.21	73.98	17.77	PK
11400	48.81	-6.08	V	42.73	53.98	11.25	AV
17100	62.64	-0.85	V	61.79	68.20	6.41	PK
11400	62.44	-6.08	H	56.36	73.98	17.62	PK
11400	48.71	-6.08	H	42.63	53.98	11.35	AV
17100	62.37	-0.85	H	61.52	68.20	6.68	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5500MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	63.49	-5.06	V	58.43	73.98	15.55	PK
11000	49.13	-5.06	V	44.07	53.98	9.91	AV
16500	63.25	-4.35	V	58.90	68.20	9.30	PK
11000	63.34	-5.06	H	58.28	73.98	15.70	PK
11000	49.07	-5.06	H	44.01	53.98	9.97	AV
16500	63.44	-4.35	H	59.09	68.20	9.11	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	63.01	-5.55	V	57.46	73.98	16.52	PK
11160	49.21	-5.55	V	43.66	53.98	10.32	AV
16740	63.00	-3.73	V	59.27	68.20	8.93	PK
11160	62.55	-5.55	H	57.00	73.98	16.98	PK
11160	49.15	-5.55	H	43.60	53.98	10.38	AV
16740	62.96	-3.73	H	59.23	68.20	8.97	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	62.81	-6.08	V	56.73	73.98	17.25	PK
11400	48.75	-6.08	V	42.67	53.98	11.31	AV
17100	62.81	-0.85	V	61.96	68.20	6.24	PK
11400	63.22	-6.08	H	57.14	73.98	16.84	PK
11400	48.61	-6.08	H	42.53	53.98	11.45	AV
17100	62.46	-0.85	H	61.61	68.20	6.59	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	62.97	-5.86	V	57.11	73.98	16.87	PK
11020	49.01	-5.86	V	43.15	53.98	10.83	AV
16530	62.77	-3.75	V	59.02	68.20	9.18	PK
11020	63.26	-5.86	H	57.40	73.98	16.58	PK
11020	48.92	-5.86	H	43.06	53.98	10.92	AV
16530	62.91	-3.75	H	59.16	68.20	9.04	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5670 MHz
Channel No.	134 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11340	63.05	-5.10	V	57.95	73.98	16.03	PK
11340	48.91	-5.10	V	43.81	53.98	10.17	AV
17010	62.03	-1.27	V	60.76	68.20	7.44	PK
11340	62.94	-5.10	H	57.84	73.98	16.14	PK
11340	48.84	-5.10	H	43.74	53.98	10.24	AV
17010	62.15	-1.27	H	60.88	68.20	7.32	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	62.94	-5.86	V	57.08	73.98	16.90	PK
11020	48.77	-5.86	V	42.91	53.98	11.07	AV
16530	62.86	-3.75	V	59.11	68.20	9.09	PK
11020	63.05	-5.86	H	57.19	73.98	16.79	PK
11020	48.81	-5.86	H	42.95	53.98	11.03	AV
16530	62.97	-3.75	H	59.22	68.20	8.98	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	62.96	-6.07	V	56.89	73.98	17.09	PK
11420	48.87	-6.07	V	42.80	53.98	11.18	AV
17130	62.11	-0.81	V	61.30	68.20	6.90	PK
11420	62.91	-6.07	H	56.84	73.98	17.14	PK
11420	48.77	-6.07	H	42.70	53.98	11.28	AV
17130	62.17	-0.81	H	61.36	68.20	6.84	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2C
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	62.13	-6.21	V	55.92	73.98	18.06	PK
11060	48.39	-6.21	V	42.18	53.98	11.80	AV
16590	62.74	-3.20	V	59.54	68.20	8.66	PK
11060	62.38	-6.21	H	56.17	73.98	17.81	PK
11060	48.41	-6.21	H	42.20	53.98	11.78	AV
16590	62.61	-3.20	H	59.41	68.20	8.79	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5690 MHz
Channel No.	138 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	62.54	-5.59	V	56.95	73.98	17.03	PK
11380	48.62	-5.59	V	43.03	53.98	10.95	AV
17070	63.18	-1.32	V	61.86	68.20	6.34	PK
11380	62.39	-5.59	H	56.80	73.98	17.18	PK
11380	48.56	-5.59	H	42.97	53.98	11.01	AV
17070	63.39	-1.32	H	62.07	68.20	6.13	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	63.01	-6.10	V	56.91	73.98	17.07	PK
11490	49.38	-6.10	V	43.28	53.98	10.70	AV
17235	63.15	-1.35	V	61.80	68.20	6.40	PK
11490	63.67	-6.10	H	57.57	73.98	16.41	PK
11490	49.35	-6.10	H	43.25	53.98	10.73	AV
17235	62.38	-1.35	H	61.03	68.20	7.17	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	62.78	-5.57	V	57.21	73.98	16.77	PK
11570	49.21	-5.57	V	43.64	53.98	10.34	AV
17355	63.21	-0.39	V	62.82	68.20	5.38	PK
11570	63.10	-5.57	H	57.53	73.98	16.45	PK
11570	49.22	-5.57	H	43.65	53.98	10.33	AV
17355	62.89	-0.39	H	62.50	68.20	5.70	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	64.10	-6.63	V	57.47	73.98	16.51	PK
11650	49.53	-6.63	V	42.90	53.98	11.08	AV
17475	62.11	0.29	V	62.40	68.20	5.80	PK
11650	63.51	-6.63	H	56.88	73.98	17.10	PK
11650	49.51	-6.63	H	42.88	53.98	11.10	AV
17475	62.23	0.29	H	62.52	68.20	5.68	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 3
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	63.11	-6.10	V	57.01	73.98	16.97	PK
11490	49.44	-6.10	V	43.34	53.98	10.64	AV
17235	63.25	-1.35	V	61.90	68.20	6.30	PK
11490	63.99	-6.10	H	57.89	73.98	16.09	PK
11490	49.42	-6.10	H	43.32	53.98	10.66	AV
17235	62.31	-1.35	H	60.96	68.20	7.24	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	63.09	-5.57	V	57.52	73.98	16.46	PK
11570	49.22	-5.57	V	43.65	53.98	10.33	AV
17355	62.99	-0.39	V	62.60	68.20	5.60	PK
11570	63.13	-5.57	H	57.56	73.98	16.42	PK
11570	49.29	-5.57	H	43.72	53.98	10.26	AV
17355	62.89	-0.39	H	62.50	68.20	5.70	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	63.31	-6.63	V	56.68	73.98	17.30	PK
11650	49.53	-6.63	V	42.90	53.98	11.08	AV
17475	62.54	0.29	V	62.83	68.20	5.37	PK
11650	62.97	-6.63	H	56.34	73.98	17.64	PK
11650	49.61	-6.63	H	42.98	53.98	11.00	AV
17475	62.58	0.29	H	62.87	68.20	5.33	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_20 MHz BW. Worst case is 6.5 Mbps in 802.11n_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	63.32	-6.10	V	57.22	73.98	16.76	PK
11490	49.34	-6.10	V	43.24	53.98	10.74	AV
17235	63.45	-1.35	V	62.10	68.20	6.10	PK
11490	63.44	-6.10	H	57.34	73.98	16.64	PK
11490	49.32	-6.10	H	43.22	53.98	10.76	AV
17235	62.81	-1.35	H	61.46	68.20	6.74	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	63.02	-5.57	V	57.45	73.98	16.53	PK
11570	49.25	-5.57	V	43.68	53.98	10.30	AV
17355	63.21	-0.39	V	62.82	68.20	5.38	PK
11570	63.18	-5.57	H	57.61	73.98	16.37	PK
11570	49.31	-5.57	H	43.74	53.98	10.24	AV
17355	63.05	-0.39	H	62.66	68.20	5.54	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	63.37	-6.63	V	56.74	73.98	17.24	PK
11650	49.52	-6.63	V	42.89	53.98	11.09	AV
17475	62.91	0.29	V	63.20	68.20	5.00	PK
11650	63.18	-6.63	H	56.55	73.98	17.43	PK
11650	49.54	-6.63	H	42.91	53.98	11.07	AV
17475	62.57	0.29	H	62.86	68.20	5.34	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_20 MHz BW. Worst case is 6.5 Mbps in 802.11ac_20 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII3
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	63.41	-6.26	V	57.15	73.98	16.83	PK
11510	49.55	-6.26	V	43.29	53.98	10.69	AV
17265	63.01	-1.10	V	61.91	68.20	6.29	PK
11510	63.03	-6.26	H	56.77	73.98	17.21	PK
11510	49.52	-6.26	H	43.26	53.98	10.72	AV
17265	62.96	-1.10	H	61.86	68.20	6.34	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	63.87	-5.92	V	57.95	73.98	16.03	PK
11590	49.18	-5.92	V	43.26	53.98	10.72	AV
17385	62.31	-0.24	V	62.07	68.20	6.13	PK
11590	63.76	-5.92	H	57.84	73.98	16.14	PK
11590	49.21	-5.92	H	43.29	53.98	10.69	AV
17385	62.43	-0.24	H	62.19	68.20	6.01	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_40 MHz BW. Worst case is 13.5 Mbps in 802.11n_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	63.21	-6.26	V	56.95	73.98	17.03	PK
11510	49.51	-6.26	V	43.25	53.98	10.73	AV
17265	63.17	-1.10	V	62.07	68.20	6.13	PK
11510	62.91	-6.26	H	56.65	73.98	17.33	PK
11510	49.48	-6.26	H	43.22	53.98	10.76	AV
17265	63.16	-1.10	H	62.06	68.20	6.14	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	63.68	-5.92	V	57.76	73.98	16.22	PK
11590	49.21	-5.92	V	43.29	53.98	10.69	AV
17385	62.41	-0.24	V	62.17	68.20	6.03	PK
11590	63.41	-5.92	H	57.49	73.98	16.49	PK
11590	49.13	-5.92	H	43.21	53.98	10.77	AV
17385	62.73	-0.24	H	62.49	68.20	5.71	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_40 MHz BW. Worst case is 13.5 Mbps in 802.11ac_40 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 3
Operation Mode:	802.11ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	62.97	-5.97	V	57.00	73.98	16.98	PK
11550	49.29	-5.97	V	43.32	53.98	10.66	AV
17325	62.13	-0.24	V	61.89	68.20	6.31	PK
11550	63.08	-5.97	H	57.11	73.98	16.87	PK
11550	49.31	-5.97	H	43.34	53.98	10.64	AV
17325	62.44	-0.24	H	62.20	68.20	6.00	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_80 MHz BW. Worst case is 29.3 Mbps in 802.11ac_80 MHz BW.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

8.8.2 RADIATED RESTRICTED BAND EDGE MEASUREMENTS

Test Requirements and limit, §15.247(d) §15.205, §15.209

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a) (See section 15.205(c)).

Stand alone with normal cover

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	50.09	8.79	H	58.88	73.98	15.10	PK
5150	37.61	8.79	H	46.40	53.98	7.58	AV
5150	49.47	8.79	V	58.26	73.98	15.72	PK
5150	36.94	8.79	V	45.73	53.98	8.25	AV

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	50.53	8.79	H	59.32	73.98	14.66	PK
5150	37.20	8.79	H	45.99	53.98	7.99	AV
5150	49.75	8.79	V	58.54	73.98	15.44	PK
5150	36.93	8.79	V	45.72	53.98	8.26	AV

Band :	UNII 1
Operation Mode:	802.11 ac_20Mz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	50.29	8.79	H	59.08	73.98	14.90	PK
5150	37.43	8.79	H	46.22	53.98	7.76	AV
5150	49.97	8.79	V	58.76	73.98	15.22	PK
5150	36.96	8.79	V	45.75	53.98	8.23	AV

Band :	UNII 1
Operation Mode:	802.11 n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	56.67	8.79	H	65.46	73.98	8.52	PK
5150	41.36	8.79	H	50.15	53.98	3.83	AV
5150	55.90	8.79	V	64.69	73.98	9.29	PK
5150	40.39	8.79	V	49.18	53.98	4.80	AV

Band : UNII 1
 Operation Mode: 802.11 ac_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5190 MHz
 Channel No. 38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	57.50	8.79	H	66.29	73.98	7.69	PK
5150	41.22	8.79	H	50.01	53.98	3.97	AV
5150	56.50	8.79	V	65.29	73.98	8.69	PK
5150	40.64	8.79	V	49.43	53.98	4.55	AV

Band : UNII 1
 Operation Mode: 802.11 ac_80 MHz BW
 Transfer Rate: 29.3 Mbps
 Operating Frequency 5210 MHz
 Channel No. 42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	55.53	8.79	H	64.32	73.98	9.66	PK
5150	41.64	8.79	H	50.43	53.98	3.55	AV
5150	54.48	8.79	V	63.27	73.98	10.71	PK
5150	40.59	8.79	V	49.38	53.98	4.60	AV

Band : UNII 2A
 Operation Mode: 802.11 a
 Transfer Rate: 6 Mbps
 Operating Frequency 5320 MHz
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	50.89	9.28	H	60.17	73.98	13.81	PK
5350	37.43	9.28	H	46.71	53.98	7.27	AV
5350	49.05	9.28	V	58.33	73.98	15.65	PK
5350	36.27	9.28	V	45.55	53.98	8.43	AV

Band : UNII 2A
 Operation Mode: 802.11 n_20 MHz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5320 MHz
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	50.83	9.28	H	60.11	73.98	13.87	PK
5350	37.45	9.28	H	46.73	53.98	7.25	AV
5350	49.27	9.28	V	58.55	73.98	15.43	PK
5350	36.20	9.28	V	45.48	53.98	8.50	AV

Band : UNII 2A
 Operation Mode: 802.11 ac_20Mz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5320 MHz
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	50.67	9.28	H	59.95	73.98	14.03	PK
5350	37.47	9.28	H	46.75	53.98	7.23	AV
5350	49.61	9.28	V	58.89	73.98	15.09	PK
5350	36.37	9.28	V	45.65	53.98	8.33	AV

Band : UNII 2A
 Operation Mode: 802.11 n_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5310 MHz
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	55.32	9.28	H	64.60	73.98	9.38	PK
5350	40.47	9.28	H	49.75	53.98	4.23	AV
5350	54.85	9.28	V	64.13	73.98	9.85	PK
5350	39.19	9.28	V	48.47	53.98	5.51	AV

Band : UNII 2A
 Operation Mode: 802.11 ac_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5310 MHz
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	55.48	9.28	H	64.76	73.98	9.22	PK
5350	40.78	9.28	H	50.06	53.98	3.92	AV
5350	54.09	9.28	V	63.37	73.98	10.61	PK
5350	39.37	9.28	V	48.65	53.98	5.33	AV

Band : UNII 1
 Operation Mode: 802.11 ac_80 MHz BW
 Transfer Rate: 29.3 Mbps
 Operating Frequency 5290 MHz
 Channel No. 58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	52.50	9.28	H	61.78	73.98	12.20	PK
5350	39.05	9.28	H	48.33	53.98	5.65	AV
5350	51.04	9.28	V	60.32	73.98	13.66	PK
5350	38.06	9.28	V	47.34	53.98	6.64	AV

Band : UNII 2C
 Operation Mode: 802.11 a
 Transfer Rate: 6 Mbps
 Operating Frequency 5500 MHz
 Channel No. 100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	50.21	10.08	H	60.29	73.98	13.69	PK
5460	36.17	10.08	H	46.25	53.98	7.73	AV
*5470	51.39	9.95	H	61.34	68.20	6.86	PK
5460	49.90	10.08	V	59.98	73.98	14.00	PK
5460	35.94	10.08	V	46.02	53.98	7.96	AV
*5470	51.23	9.95	V	61.18	68.20	7.02	PK

Band : UNII 2C
 Operation Mode: 802.11 n_20MHz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5500 MHz
 Channel No. 100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	50.07	10.08	H	60.15	73.98	13.83	PK
5460	36.00	10.08	H	46.08	53.98	7.90	AV
*5470	50.12	9.95	H	60.07	68.20	8.13	PK
5460	49.85	10.08	V	59.93	73.98	14.05	PK
5460	35.94	10.08	V	46.02	53.98	7.96	AV
*5470	49.91	9.95	V	59.86	68.20	8.34	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.87	10.08	H	59.95	73.98	14.03	PK
5460	36.12	10.08	H	46.2	53.98	7.78	AV
*5470	50.66	9.95	H	60.61	68.20	7.59	PK
5460	49.79	10.08	V	59.87	73.98	14.11	PK
5460	36.96	10.08	V	47.04	53.98	6.94	AV
*5470	50.10	9.95	V	60.05	68.20	8.15	PK

Band :	UNII 2C
Operation Mode:	802.11 n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	52.29	10.08	H	62.37	73.98	11.61	PK
5460	37.07	10.08	H	47.15	53.98	6.83	AV
*5470	53.60	9.95	H	63.55	68.20	4.65	PK
5460	52.07	10.08	V	62.15	73.98	11.83	PK
5460	36.91	10.08	V	46.99	53.98	6.99	AV
*5470	53.46	9.95	V	63.41	68.20	4.79	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	52.62	10.08	H	62.70	73.98	11.28	PK
5460	36.96	10.08	H	47.04	53.98	6.94	AV
*5470	54.78	9.95	H	64.73	68.20	3.47	PK
5460	52.53	10.08	V	62.61	73.98	11.37	PK
5460	36.80	10.08	V	46.88	53.98	7.10	AV
*5470	54.11	9.95	V	64.06	68.20	4.14	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.49	10.08	H	61.57	73.98	12.41	PK
5460	38.34	10.08	H	48.42	53.98	5.56	AV
*5470	51.94	9.95	H	61.89	68.20	6.31	PK
5460	51.37	10.08	V	61.45	73.98	12.53	PK
5460	37.96	10.08	V	48.04	53.98	5.94	AV
*5470	51.79	9.95	V	61.74	68.20	6.46	PK

Band : UNII 3
 Operation Mode: 802.11 a
 Transfer Rate: 6 Mbps
 Operating Frequency 5825 MHz
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	48.34	11.37	H	59.71	78.20	18.49	PK
*5850	48.27	11.37	V	59.64	78.20	18.56	PK
*5860	48.17	11.37	H	59.54	68.20	8.66	PK
*5860	48.14	11.37	V	59.51	68.20	8.69	PK

Band : UNII 3
 Operation Mode: 802.11 n_20MHz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5825 MHz
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	48.46	11.37	H	59.83	78.20	18.37	PK
*5850	48.27	11.37	V	59.64	78.20	18.56	PK
*5860	48.02	11.37	H	59.39	68.20	8.81	PK
*5860	47.77	11.37	V	59.14	68.20	9.06	PK

Band :	UNII 3
Operation Mode:	802.11 ac_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	48.63	11.37	H	60.00	78.20	18.20	PK
*5850	48.51	11.37	V	59.88	78.20	18.32	AV
*5860	48.16	11.37	H	59.53	68.20	8.67	PK
*5860	47.92	11.37	V	59.29	68.20	8.91	AV

Band :	UNII 3
Operation Mode:	802.11 n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	48.35	11.37	H	59.72	78.20	18.48	PK
*5850	48.16	11.37	V	59.53	78.20	18.67	PK
*5860	47.38	11.37	H	58.75	68.20	9.45	PK
*5860	47.28	11.37	V	58.65	68.20	9.55	PK

Band :	UNII 3
Operation Mode:	802.11 ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	48.18	11.37	H	59.55	78.20	18.65	PK
*5850	48.09	11.37	V	59.46	78.20	18.74	AV
*5860	48.59	11.37	H	59.96	68.20	8.24	PK
*5860	48.27	11.37	V	59.64	68.20	8.56	AV

Band :	UNII 3
Operation Mode:	802.11 ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5755 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	48.34	11.37	H	59.71	78.20	18.49	PK
*5850	48.06	11.37	V	59.43	78.20	18.77	PK
*5860	47.92	11.37	H	59.29	68.20	8.91	PK
5860	47.63	11.37	V	59	68.20	9.20	PK

Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. “*” is radiated band edge test frequency.(not restricted band emissions)

Standardalone with wireless charging cover (open)

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.25	8.79	H	63.04	73.98	10.94	PK
5150	40.79	8.79	H	49.58	53.98	4.40	AV
5150	53.82	8.79	V	62.61	73.98	11.37	PK
5150	40.13	8.79	V	48.92	53.98	5.06	AV

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.02	8.79	H	62.81	73.98	11.17	PK
5150	41.11	8.79	H	49.9	53.98	4.08	AV
5150	53.24	8.79	V	62.03	73.98	11.95	PK
5150	40.87	8.79	V	49.66	53.98	4.32	AV

Band : UNII 1
 Operation Mode: 802.11 ac_20Mz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5180 MHz
 Channel No. 36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.24	8.79	H	63.03	73.98	10.95	PK
5150	40.86	8.79	H	49.65	53.98	4.33	AV
5150	53.73	8.79	V	62.52	73.98	11.46	PK
5150	40.27	8.79	V	49.06	53.98	4.92	AV

Band : UNII 1
 Operation Mode: 802.11 n_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5190 MHz
 Channel No. 38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	53.80	8.79	H	62.59	73.98	11.39	PK
5150	41.38	8.79	H	50.17	53.98	3.81	AV
5150	52.57	8.79	V	61.36	73.98	12.62	PK
5150	40.74	8.79	V	49.53	53.98	4.45	AV

Band : UNII 1
 Operation Mode: 802.11 ac_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5190 MHz
 Channel No. 38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.18	8.79	H	62.97	73.98	11.01	PK
5150	41.54	8.79	H	50.33	53.98	3.65	AV
5150	53.76	8.79	V	62.55	73.98	11.43	PK
5150	41.21	8.79	V	50	53.98	3.98	AV

Band : UNII 1
 Operation Mode: 802.11 ac_80 MHz BW
 Transfer Rate: 29.3 Mbps
 Operating Frequency 5210 MHz
 Channel No. 42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.86	8.79	H	63.65	73.98	10.33	PK
5150	41.88	8.79	H	50.67	53.98	3.31	AV
5150	54.22	8.79	V	63.01	73.98	10.97	PK
5150	41.57	8.79	V	50.36	53.98	3.62	AV

Band : UNII 2A
 Operation Mode: 802.11 a
 Transfer Rate: 6 Mbps
 Operating Frequency 5320 MHz
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.62	9.28	H	62.90	73.98	11.08	PK
5350	40.66	9.28	H	49.94	53.98	4.04	AV
5350	53.06	9.28	V	62.34	73.98	11.64	PK
5350	39.87	9.28	V	49.15	53.98	4.83	AV

Band : UNII 2A
 Operation Mode: 802.11 n_20 MHz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5320 MHz
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.32	9.28	H	63.60	73.98	10.38	PK
5350	40.57	9.28	H	49.85	53.98	4.13	AV
5350	53.89	9.28	V	63.17	73.98	10.81	PK
5350	40.15	9.28	V	49.43	53.98	4.55	AV

Band : UNII 2A

Operation Mode: 802.11 ac_20Mz BW

Transfer Rate: 6.5 Mbps

Operating Frequency 5320 MHz

Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.55	9.28	H	63.83	73.98	10.15	PK
5350	40.65	9.28	H	49.93	53.98	4.05	AV
5350	53.82	9.28	V	63.1	73.98	10.88	PK
5350	40.14	9.28	V	49.42	53.98	4.56	AV

Band : UNII 2A

Operation Mode: 802.11 n_40 MHz BW

Transfer Rate: 13.5 Mbps

Operating Frequency 5310 MHz

Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.17	9.28	H	63.45	73.98	10.53	PK
5350	41.14	9.28	H	50.42	53.98	3.56	AV
5350	52.65	9.28	V	61.93	73.98	12.05	PK
5350	40.85	9.28	V	50.13	53.98	3.85	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.72	9.28	H	64.00	73.98	9.98	PK
5350	41.13	9.28	H	50.41	53.98	3.57	AV
5350	53.82	9.28	V	63.1	73.98	10.88	PK
5350	40.68	9.28	V	49.96	53.98	4.02	AV

Band :	UNII 1
Operation Mode:	802.11 ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.95	9.28	H	63.23	73.98	10.75	PK
5350	41.25	9.28	H	50.53	53.98	3.45	AV
5350	53.31	9.28	V	62.59	73.98	11.39	PK
5350	40.83	9.28	V	50.11	53.98	3.87	AV

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.71	10.08	H	63.79	73.98	10.19	PK
5460	40.50	10.08	H	50.58	53.98	3.40	AV
*5470	54.18	9.95	H	64.13	68.20	4.07	PK
5460	53.16	10.08	V	63.24	73.98	10.74	PK
5460	40.11	10.08	V	50.19	53.98	3.79	AV
*5470	53.40	9.95	V	63.35	68.20	4.85	PK

Band :	UNII 2C
Operation Mode:	802.11 n_20MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.56	10.08	H	63.64	73.98	10.34	PK
5460	40.33	10.08	H	50.41	53.98	3.57	AV
*5470	54.13	9.95	H	64.08	68.20	4.12	PK
5460	53.20	10.08	V	63.28	73.98	10.70	PK
5460	39.86	10.08	V	49.94	53.98	4.04	AV
*5470	53.57	9.95	V	63.52	68.20	4.68	PK

Band : UNII 2C

Operation Mode: 802.11 ac_20 MHz BW

Transfer Rate: 6.5 Mbps

Operating Frequency 5500 MHz

Channel No. 100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.62	10.08	H	63.70	73.98	10.28	PK
5460	40.45	10.08	H	50.53	53.98	3.45	AV
*5470	54.16	9.95	H	64.11	68.20	4.09	PK
5460	53.08	10.08	V	63.16	73.98	10.82	PK
5460	39.82	10.08	V	49.9	53.98	4.08	AV
*5470	53.49	9.95	V	63.44	68.20	4.76	PK

Band : UNII 2C

Operation Mode: 802.11 n_40 MHz BW

Transfer Rate: 13.5 Mbps

Operating Frequency 5510 MHz

Channel No. 102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.28	10.08	H	64.36	73.98	9.62	PK
5460	40.48	10.08	H	50.56	53.98	3.42	AV
*5470	53.70	9.95	H	63.65	68.20	4.55	PK
5460	53.73	10.08	V	63.81	73.98	10.17	PK
5460	39.88	10.08	V	49.96	53.98	4.02	AV
*5470	53.20	9.95	V	63.15	68.20	5.05	PK

Band : UNII 2C
 Operation Mode: 802.11 ac_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5510 MHz
 Channel No. 102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.75	10.08	H	63.83	73.98	10.15	PK
5460	40.48	10.08	H	50.56	53.98	3.42	AV
*5470	54.37	9.95	H	64.32	68.20	3.88	PK
5460	53.24	10.08	V	63.32	73.98	10.66	PK
5460	39.84	10.08	V	49.92	53.98	4.06	AV
*5470	53.92	9.95	V	63.87	68.20	4.33	PK

Band : UNII 2C
 Operation Mode: 802.11 ac_80 MHz BW
 Transfer Rate: 29.3 Mbps
 Operating Frequency 5530 MHz
 Channel No. 106 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.89	10.08	H	63.97	73.98	10.01	PK
5460	40.46	10.08	H	50.54	53.98	3.44	AV
*5470	54.31	9.95	H	64.26	68.20	3.94	PK
5460	53.54	10.08	V	63.62	73.98	10.36	PK
5460	40.02	10.08	V	50.1	53.98	3.88	AV
*5470	53.87	9.95	V	63.82	68.20	4.38	PK

Band : UNII 3
 Operation Mode: 802.11 a
 Transfer Rate: 6 Mbps
 Operating Frequency 5825 MHz
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	47.73	11.37	H	59.10	78.20	19.10	PK
*5850	47.53	11.37	V	58.90	78.20	19.30	PK
*5860	47.98	11.37	H	59.35	68.20	8.85	PK
*5860	47.72	11.37	V	59.09	68.20	9.11	PK

Band : UNII 3
 Operation Mode: 802.11 n_20MHz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5825 MHz
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	47.31	11.37	H	58.68	78.20	19.52	PK
*5850	47.13	11.37	V	58.50	78.20	19.70	PK
*5860	47.29	11.37	H	58.66	68.20	9.54	PK
*5860	47.05	11.37	V	58.42	68.20	9.78	PK

Band : UNII 3
 Operation Mode: 802.11 ac_20 MHz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5825 MHz
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	47.95	11.37	H	59.32	78.20	18.88	PK
*5850	47.71	11.37	V	59.08	78.20	19.12	AV
*5860	47.24	11.37	H	58.61	68.20	9.59	PK
*5860	47.03	11.37	V	58.4	68.20	9.80	AV

Band : UNII 3
 Operation Mode: 802.11 n_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5795 MHz
 Channel No. 159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	47.56	11.37	H	58.93	78.20	19.27	PK
*5850	47.21	11.37	V	58.58	78.20	19.62	PK
*5860	47.05	11.37	H	58.42	68.20	9.78	PK
*5860	46.92	11.37	V	58.29	68.20	9.91	PK

Band :	UNII 3
Operation Mode:	802.11 ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	47.92	11.37	H	59.29	78.20	18.91	PK
*5850	47.54	11.37	V	58.91	78.20	19.29	AV
*5860	47.58	11.37	H	58.95	68.20	9.25	PK
*5860	47.14	11.37	V	58.51	68.20	9.69	AV

Band :	UNII 3
Operation Mode:	802.11 ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5755 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	47.96	11.37	H	59.33	78.20	18.87	PK
*5850	47.64	11.37	V	59.01	78.20	19.19	PK
*5860	47.27	11.37	H	58.64	68.20	9.56	PK
5860	47.05	11.37	V	58.42	68.20	9.78	PK

Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. “*” is radiated band edge test frequency.(not restricted band emissions)

With wireless Charging Pad

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	50.55	8.79	H	59.34	73.98	14.64	PK
5150	37.36	8.79	H	46.15	53.98	7.83	AV
5150	49.74	8.79	V	58.53	73.98	15.45	PK
5150	36.96	8.79	V	45.75	53.98	8.23	AV

Band :	UNII 1
Operation Mode:	802.11 n_20 MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	50.72	8.79	H	59.51	73.98	14.47	PK
5150	38.01	8.79	H	46.8	53.98	7.18	AV
5150	50.43	8.79	V	59.22	73.98	14.76	PK
5150	37.64	8.79	V	46.43	53.98	7.55	AV

Band :	UNII 1
Operation Mode:	802.11 ac_20Mz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	50.08	8.79	H	58.87	73.98	15.11	PK
5150	37.93	8.79	H	46.72	53.98	7.26	AV
5150	49.88	8.79	V	58.67	73.98	15.31	PK
5150	37.58	8.79	V	46.37	53.98	7.61	AV

Band :	UNII 1
Operation Mode:	802.11 n_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	52.18	8.79	H	60.97	73.98	13.01	PK
5150	40.15	8.79	H	48.94	53.98	5.04	AV
5150	51.79	8.79	V	60.58	73.98	13.40	PK
5150	39.84	8.79	V	48.63	53.98	5.35	AV

Band : UNII 1
 Operation Mode: 802.11 ac_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5190 MHz
 Channel No. 38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.89	8.79	H	63.68	73.98	10.30	PK
5150	40.05	8.79	H	48.84	53.98	5.14	AV
5150	54.58	8.79	V	63.37	73.98	10.61	PK
5150	39.68	8.79	V	48.47	53.98	5.51	AV

Band : UNII 1
 Operation Mode: 802.11 ac_80 MHz BW
 Transfer Rate: 29.3 Mbps
 Operating Frequency 5210 MHz
 Channel No. 42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	53.61	8.79	H	62.40	73.98	11.58	PK
5150	40.46	8.79	H	49.25	53.98	4.73	AV
5150	52.98	8.79	V	61.77	73.98	12.21	PK
5150	40.12	8.79	V	48.91	53.98	5.07	AV

Band : UNII 2A

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5320 MHz

Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	49.57	9.28	H	58.85	73.98	15.13	PK
5350	36.76	9.28	H	46.04	53.98	7.94	AV
5350	49.42	9.28	V	58.7	73.98	15.28	PK
5350	36.16	9.28	V	45.44	53.98	8.54	AV

Band : UNII 2A

Operation Mode: 802.11 n_20 MHz BW

Transfer Rate: 6.5 Mbps

Operating Frequency 5320 MHz

Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	50.16	9.28	H	59.44	73.98	14.54	PK
5350	36.92	9.28	H	46.2	53.98	7.78	AV
5350	49.87	9.28	V	59.15	73.98	14.83	PK
5350	36.76	9.28	V	46.04	53.98	7.94	AV

Band : UNII 2A
 Operation Mode: 802.11 ac_20Mz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5320 MHz
 Channel No. 64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	49.40	9.28	H	58.68	73.98	15.30	PK
5350	36.73	9.28	H	46.01	53.98	7.97	AV
5350	49.21	9.28	V	58.49	73.98	15.49	PK
5350	36.44	9.28	V	45.72	53.98	8.26	AV

Band : UNII 2A
 Operation Mode: 802.11 n_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5310 MHz
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	51.67	9.28	H	60.95	73.98	13.03	PK
5350	38.10	9.28	H	47.38	53.98	6.60	AV
5350	51.21	9.28	V	60.49	73.98	13.49	PK
5350	37.81	9.28	V	47.09	53.98	6.89	AV

Band : UNII 2A
 Operation Mode: 802.11 ac_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5310 MHz
 Channel No. 62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	52.53	9.28	H	61.81	73.98	12.17	PK
5350	38.07	9.28	H	47.35	53.98	6.63	AV
5350	52.11	9.28	V	61.39	73.98	12.59	PK
5350	37.67	9.28	V	46.95	53.98	7.03	AV

Band : UNII 1
 Operation Mode: 802.11 ac_80 MHz BW
 Transfer Rate: 29.3 Mbps
 Operating Frequency 5290 MHz
 Channel No. 58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	50.41	9.28	H	59.69	73.98	14.29	PK
5350	37.07	9.28	H	46.35	53.98	7.63	AV
5350	50.31	9.28	V	59.59	73.98	14.39	PK
5350	36.76	9.28	V	46.04	53.98	7.94	AV

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.48	10.08	H	59.56	73.98	14.42	PK
5460	36.13	10.08	H	46.21	53.98	7.77	AV
*5470	50.03	9.95	H	59.98	68.20	8.22	PK
5460	49.10	10.08	V	59.18	73.98	14.80	PK
5460	36.04	10.08	V	46.12	53.98	7.86	AV
*5470	48.77	9.95	V	58.72	68.20	9.48	PK

Band :	UNII 2C
Operation Mode:	802.11 n_20MHz BW
Transfer Rate:	6.5 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.34	10.08	H	59.42	73.98	14.56	PK
5460	36.02	10.08	H	46.1	53.98	7.88	AV
*5470	50.73	9.95	H	60.68	68.20	7.52	PK
5460	49.11	10.08	V	59.19	73.98	14.79	PK
5460	35.67	10.08	V	45.75	53.98	8.23	AV
*5470	50.43	9.95	V	60.38	68.20	7.82	PK

Band : UNII 2C
 Operation Mode: 802.11 ac_20 MHz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5500 MHz
 Channel No. 100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.32	10.08	H	59.40	73.98	14.58	PK
5460	36.09	10.08	H	46.17	53.98	7.81	AV
*5470	49.48	9.95	H	59.43	68.20	8.77	PK
5460	49.11	10.08	V	59.19	73.98	14.79	PK
5460	35.68	10.08	V	45.76	53.98	8.22	AV
*5470	49.26	9.95	V	59.21	68.20	8.99	PK

Band : UNII 2C
 Operation Mode: 802.11 n_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5510 MHz
 Channel No. 102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.25	10.08	H	59.33	73.98	14.65	PK
5460	36.10	10.08	H	46.18	53.98	7.80	AV
*5470	51.84	9.95	H	61.79	68.20	6.41	PK
5460	49.10	10.08	V	59.18	73.98	14.80	PK
5460	35.78	10.08	V	45.86	53.98	8.12	AV
*5470	51.76	9.95	V	61.71	68.20	6.49	PK

Band : UNII 2C
 Operation Mode: 802.11 ac_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5510 MHz
 Channel No. 102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.31	10.08	H	59.39	73.98	14.59	PK
5460	36.07	10.08	H	46.15	53.98	7.83	AV
*5470	51.31	9.95	H	61.26	68.20	6.94	PK
5460	49.17	10.08	V	59.25	73.98	14.73	PK
5460	35.76	10.08	V	45.84	53.98	8.14	AV
*5470	50.89	9.95	V	60.84	68.20	7.36	PK

Band : UNII 2C
 Operation Mode: 802.11 ac_80 MHz BW
 Transfer Rate: 29.3 Mbps
 Operating Frequency 5530 MHz
 Channel No. 106 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.74	10.08	H	59.82	73.98	14.16	PK
5460	36.51	10.08	H	46.59	53.98	7.39	AV
*5470	50.95	9.95	H	60.9	68.20	7.30	PK
5460	49.36	10.08	V	59.44	73.98	14.54	PK
5460	36.27	10.08	V	46.35	53.98	7.63	AV
*5470	50.76	9.95	V	60.71	68.20	7.49	PK

Band : UNII 3
 Operation Mode: 802.11 a
 Transfer Rate: 6 Mbps
 Operating Frequency 5825 MHz
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	48.18	11.37	H	59.55	78.20	18.65	PK
*5850	47.69	11.37	V	59.06	78.20	19.14	PK
*5860	47.42	11.37	H	58.79	68.20	9.41	PK
*5860	47.22	11.37	V	58.59	68.20	9.61	PK

Band : UNII 3
 Operation Mode: 802.11 n_20MHz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5825 MHz
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	47.99	11.37	H	59.36	78.20	18.84	PK
*5850	47.68	11.37	V	59.05	78.20	19.15	PK
*5860	47.03	11.37	H	58.40	68.20	9.80	PK
*5860	46.87	11.37	V	58.24	68.20	9.96	PK

Band : UNII 3
 Operation Mode: 802.11 ac_20 MHz BW
 Transfer Rate: 6.5 Mbps
 Operating Frequency 5825 MHz
 Channel No. 165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	47.65	11.37	H	59.02	78.20	19.18	PK
*5850	47.26	11.37	V	58.63	78.20	19.57	AV
*5860	47.20	11.37	H	58.57	68.20	9.63	PK
*5860	47.11	11.37	V	58.48	68.20	9.72	AV

Band : UNII 3
 Operation Mode: 802.11 n_40 MHz BW
 Transfer Rate: 13.5 Mbps
 Operating Frequency 5795 MHz
 Channel No. 159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	47.30	11.37	H	58.67	78.20	19.53	PK
*5850	47.13	11.37	V	58.50	78.20	19.70	PK
*5860	47.28	11.37	H	58.65	68.20	9.55	PK
*5860	47.25	11.37	V	58.62	68.20	9.58	PK

Band :	UNII 3
Operation Mode:	802.11 ac_40 MHz BW
Transfer Rate:	13.5 Mbps
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	48.14	11.37	H	59.51	78.20	18.69	PK
*5850	47.88	11.37	V	59.25	78.20	18.95	AV
*5860	47.38	11.37	H	58.75	68.20	9.45	PK
*5860	47.26	11.37	V	58.63	68.20	9.57	AV

Band :	UNII 3
Operation Mode:	802.11 ac_80 MHz BW
Transfer Rate:	29.3 Mbps
Operating Frequency	5755 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
*5850	47.96	11.37	H	59.33	78.20	18.87	PK
*5850	47.58	11.37	V	58.95	78.20	19.25	PK
*5860	47.69	11.37	H	59.06	68.20	9.14	PK
5860	47.69	11.37	V	59.06	68.20	9.14	PK

Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. “*” is radiated band edge test frequency.(not restricted band emissions)

8.8.3 RECEIVER SPURIOUS EMISSIONS

IC Rule(s) RSS-GEN
Test Requirements: Below the table
Operating conditions: Under normal test conditions
Method of testing: Radiated

S/A. Settings: F < 1 GHz: RBW: 120 kHz, VBW: 300 kHz (Quasi Peak)
 F > 1 GHz: RBW: 1 MHz, VBW: 1 MHz (Peak)
Mode of operation: Receive

Frequency (MHz)	Field Strength (microvolts/m at 3 meters)
30 – 88	100
88 - 216	150
216 – 960	200
Above 960	500

Operation Mode: Receive:

30 MHz ~ 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB μ V	dB /m	dB	(H/V)	dB μ V/m	dB μ V/m	dB
No Critical peaks found							

Above 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB μ V	dB /m	dB	(H/V)	dB μ V/m	dB μ V/m	dB
No Critical peaks found							

8.9 POWERLINE CONDUCTED EMISSIONS

Test Requirements and limit, §15.207

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

TEST PROCEDURE

1. The EUT is placed on a wooden table 80 cm above the reference groundplane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.
5. We are performed the AC Power Line Conducted Emission test for 58.5 Mbps, Ch.140 and 802.11n_20 MHz BW mode in UNII 2C. Because the mode in UNII 2C is worst case.

RESULT PLOTS

Standalone

Conducted Emissions (Line 1)

EMI Auto Test(2)

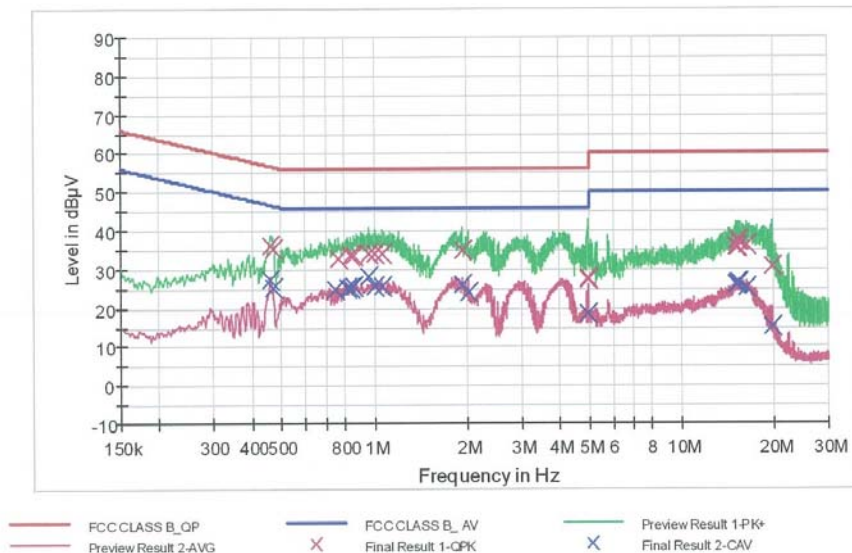
1 / 2

HCT TEST Report

Common Information

EUT: LG-H815
 Manufacturer: LG
 Test Site: SHIELD ROOM
 Operating Conditions: WLAN MODE(5 G)
 Operator Name: KS KANG

FCC CLASS B



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.460000	36.4	9.000	Off	N	9.7	20.3	56.7
0.468000	35.5	9.000	Off	N	9.7	21.0	56.5
0.764000	33.0	9.000	Off	N	9.7	23.0	56.0
0.836000	33.8	9.000	Off	N	9.7	22.2	56.0
0.856000	33.7	9.000	Off	N	9.7	22.3	56.0
0.860000	33.9	9.000	Off	N	9.7	22.1	56.0
0.958000	34.0	9.000	Off	N	9.7	22.0	56.0
1.008000	34.1	9.000	Off	N	9.7	21.9	56.0
1.060000	34.2	9.000	Off	N	9.7	21.8	56.0
1.938000	35.0	9.000	Off	N	9.8	21.0	56.0
4.932000	27.9	9.000	Off	N	9.9	28.1	56.0
4.946000	27.6	9.000	Off	N	9.9	28.4	56.0
15.060000	35.9	9.000	Off	N	10.2	24.1	60.0
15.192000	37.4	9.000	Off	N	10.2	22.6	60.0
15.248000	35.7	9.000	Off	N	10.2	24.3	60.0
15.390000	37.3	9.000	Off	N	10.2	22.7	60.0

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EMI Auto Test(2)

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Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
16.368000	36.4	9.000	Off	N	10.2	23.6	60.0
19.768000	30.9	9.000	Off	N	10.3	29.1	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.460000	27.3	9.000	Off	N	9.7	19.4	46.7
0.468000	25.4	9.000	Off	N	9.7	21.1	46.5
0.746000	24.9	9.000	Off	N	9.7	21.1	46.0
0.822000	25.3	9.000	Off	N	9.7	20.7	46.0
0.836000	25.3	9.000	Off	N	9.7	20.7	46.0
0.860000	25.5	9.000	Off	N	9.7	20.5	46.0
0.958000	28.1	9.000	Off	N	9.7	17.9	46.0
1.008000	25.8	9.000	Off	N	9.7	20.2	46.0
1.060000	25.8	9.000	Off	N	9.7	20.2	46.0
1.938000	26.0	9.000	Off	N	9.8	20.0	46.0
2.028000	23.9	9.000	Off	N	9.8	22.1	46.0
4.946000	18.5	9.000	Off	N	9.9	27.5	46.0
15.060000	26.0	9.000	Off	N	10.2	24.0	50.0
15.192000	26.4	9.000	Off	N	10.2	23.6	50.0
15.238000	26.2	9.000	Off	N	10.2	23.8	50.0
15.390000	26.4	9.000	Off	N	10.2	23.6	50.0
16.370000	25.4	9.000	Off	N	10.2	24.6	50.0
19.768000	15.2	9.000	Off	N	10.3	34.8	50.0

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Conducted Emissions (Line 2)

EMI Auto Test(2)

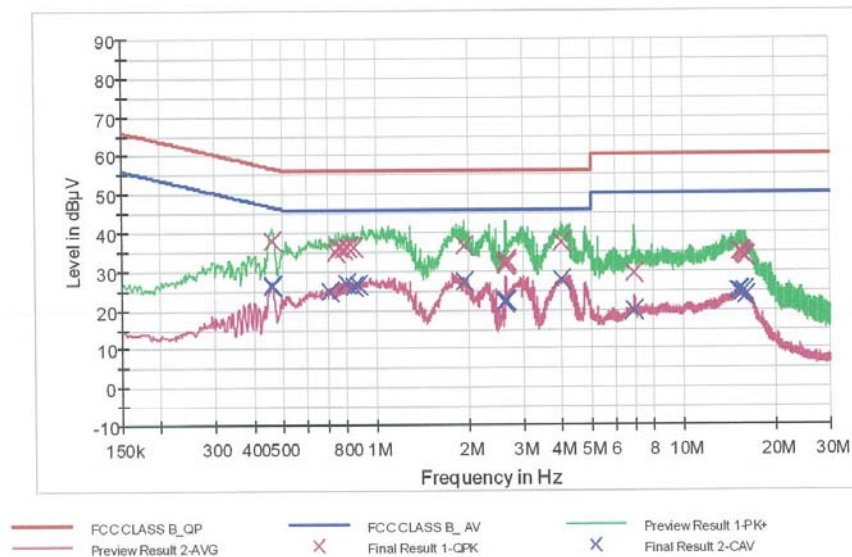
1 / 2

HCT TEST Report

Common Information

EUT: LG-H815
 Manufacturer: LG
 Test Site: SHIELD ROOM
 Operating Conditions: WLAN MODE(5 G)
 Operator Name: KS KANG

FCC CLASS B



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.460000	37.9	9.000	Off	L1	9.7	18.8	56.7
0.740000	34.9	9.000	Off	L1	9.7	21.1	56.0
0.756000	36.1	9.000	Off	L1	9.7	19.9	56.0
0.784000	36.0	9.000	Off	L1	9.7	20.0	56.0
0.806000	36.0	9.000	Off	L1	9.7	20.0	56.0
0.852000	36.2	9.000	Off	L1	9.7	19.8	56.0
1.930000	36.7	9.000	Off	L1	9.8	19.4	56.0
2.640000	31.5	9.000	Off	L1	9.8	24.5	56.0
2.644000	32.6	9.000	Off	L1	9.8	23.4	56.0
2.648000	32.7	9.000	Off	L1	9.8	23.3	56.0
2.654000	32.0	9.000	Off	L1	9.8	24.0	56.0
4.018000	37.3	9.000	Off	L1	9.9	18.7	56.0
6.924000	29.6	9.000	Off	L1	9.9	30.4	60.0
15.200000	35.1	9.000	Off	L1	10.2	24.9	60.0
15.336000	34.9	9.000	Off	L1	10.2	25.1	60.0
15.508000	34.6	9.000	Off	L1	10.2	25.4	60.0

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EMI Auto Test(2)

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Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
15.658000	34.3	9.000	Off	L1	10.2	25.7	60.0
15.888000	33.9	9.000	Off	L1	10.2	26.1	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.458000	26.5	9.000	Off	L1	9.7	20.2	46.7
0.462000	26.2	9.000	Off	L1	9.7	20.5	46.7
0.706000	24.7	9.000	Off	L1	9.7	21.3	46.0
0.804000	27.1	9.000	Off	L1	9.7	18.9	46.0
0.852000	26.2	9.000	Off	L1	9.7	19.8	46.0
0.878000	26.6	9.000	Off	L1	9.7	19.4	46.0
1.930000	27.4	9.000	Off	L1	9.8	18.6	46.0
2.640000	22.0	9.000	Off	L1	9.8	24.0	46.0
2.644000	22.4	9.000	Off	L1	9.8	23.6	46.0
2.648000	22.5	9.000	Off	L1	9.8	23.5	46.0
2.654000	22.4	9.000	Off	L1	9.8	23.6	46.0
4.018000	28.0	9.000	Off	L1	9.9	18.0	46.0
6.924000	20.0	9.000	Off	L1	9.9	30.0	50.0
15.100000	24.7	9.000	Off	L1	10.2	25.3	50.0
15.200000	24.9	9.000	Off	L1	10.2	25.1	50.0
15.508000	24.3	9.000	Off	L1	10.2	25.7	50.0
15.658000	24.9	9.000	Off	L1	10.2	25.1	50.0
15.888000	23.7	9.000	Off	L1	10.2	26.3	50.0

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Note : The Worst case of Conducted Emission is standalone mode.

With wireless Charging pad

Conducted Emissions (Line 1)

EMI Auto Test(2)

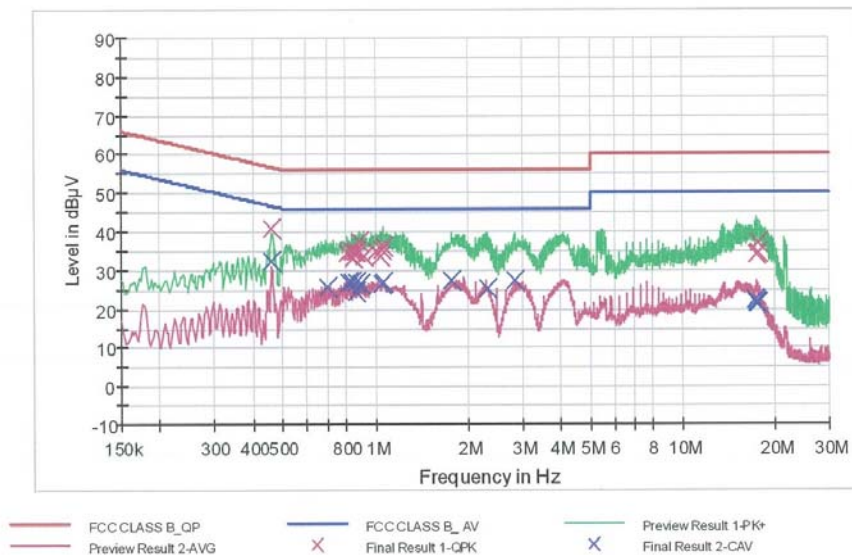
1 / 2

HCT TEST Report

Common Information

EUT: LG-H815
Manufacturer: LG
Test Site: SHIELD ROOM
Operating Conditions: WLAN MODE(5 G)_WIRELESS CHARGING
Operator Name: KS KANG

FCC CLASS B



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.462000	40.7	9.000	Off	N	9.7	16.0	56.7
0.808000	34.5	9.000	Off	N	9.7	21.5	56.0
0.838000	34.8	9.000	Off	N	9.7	21.2	56.0
0.846000	33.3	9.000	Off	N	9.7	22.7	56.0
0.854000	34.8	9.000	Off	N	9.7	21.2	56.0
0.868000	35.0	9.000	Off	N	9.7	21.0	56.0
0.884000	37.6	9.000	Off	N	9.7	18.4	56.0
0.918000	33.7	9.000	Off	N	9.7	22.3	56.0
1.002000	34.8	9.000	Off	N	9.7	21.2	56.0
1.044000	33.9	9.000	Off	N	9.7	22.1	56.0
1.048000	35.2	9.000	Off	N	9.7	20.8	56.0
1.064000	36.0	9.000	Off	N	9.7	20.0	56.0
17.360000	34.2	9.000	Off	N	10.2	25.8	60.0
17.398000	34.2	9.000	Off	N	10.2	25.8	60.0
17.432000	34.2	9.000	Off	N	10.2	25.8	60.0
17.442000	34.3	9.000	Off	N	10.2	25.7	60.0

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EMI Auto Test(2)

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Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
17.564000	34.4	9.000	Off	N	10.2	25.6	60.0
17.570000	36.9	9.000	Off	N	10.2	23.1	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.462000	32.4	9.000	Off	N	9.7	14.3	46.7
0.702000	25.8	9.000	Off	N	9.7	20.2	46.0
0.820000	27.0	9.000	Off	N	9.7	19.0	46.0
0.834000	26.9	9.000	Off	N	9.7	19.1	46.0
0.864000	27.0	9.000	Off	N	9.7	19.0	46.0
0.870000	24.5	9.000	Off	N	9.7	21.5	46.0
0.896000	26.4	9.000	Off	N	9.7	19.6	46.0
1.046000	26.5	9.000	Off	N	9.7	19.5	46.0
1.064000	26.9	9.000	Off	N	9.7	19.1	46.0
1.772000	27.4	9.000	Off	N	9.8	18.6	46.0
2.310000	25.2	9.000	Off	N	9.8	20.8	46.0
2.832000	27.3	9.000	Off	N	9.8	18.7	46.0
17.322000	22.2	9.000	Off	N	10.2	27.8	50.0
17.360000	21.9	9.000	Off	N	10.2	28.1	50.0
17.398000	21.6	9.000	Off	N	10.2	28.4	50.0
17.440000	21.6	9.000	Off	N	10.2	28.4	50.0
17.492000	21.7	9.000	Off	N	10.2	28.3	50.0
17.564000	21.6	9.000	Off	N	10.2	28.4	50.0

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Conducted Emissions (Line 2)

EMI Auto Test(2)

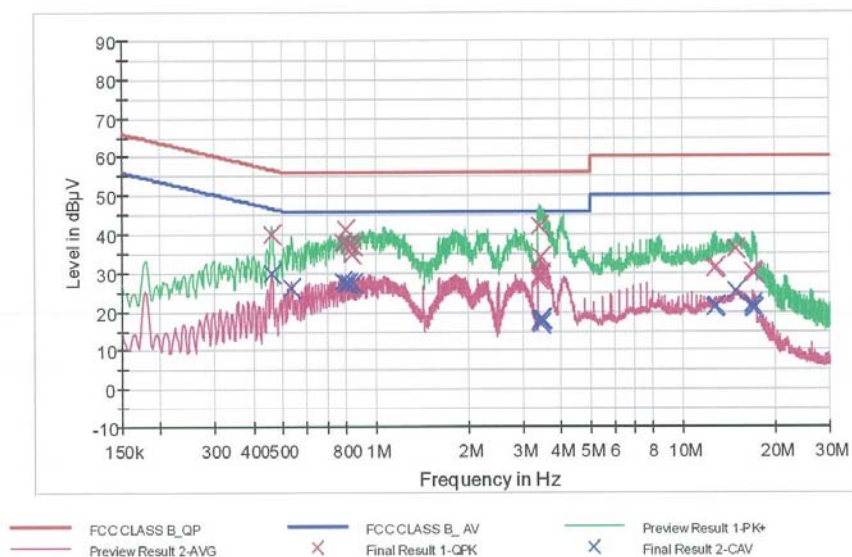
1 / 2

HCT TEST Report

Common Information

EUT: LG-H815
 Manufacturer: LG
 Test Site: SHIELD ROOM
 Operating Conditions: WLAN MODE(5 G)_WIRELESS CHARGING
 Operator Name: KS KANG

FCC CLASS B



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.460000	40.0	9.000	Off	L1	9.7	16.7	56.7
0.786000	37.9	9.000	Off	L1	9.7	18.1	56.0
0.800000	41.2	9.000	Off	L1	9.7	14.8	56.0
0.816000	37.5	9.000	Off	L1	9.7	18.5	56.0
0.836000	34.9	9.000	Off	L1	9.7	21.1	56.0
0.846000	37.2	9.000	Off	L1	9.7	18.8	56.0
3.406000	28.4	9.000	Off	L1	9.8	27.6	56.0
3.420000	29.0	9.000	Off	L1	9.8	27.0	56.0
3.426000	29.3	9.000	Off	L1	9.8	26.7	56.0
3.432000	41.9	9.000	Off	L1	9.8	14.1	56.0
3.440000	34.1	9.000	Off	L1	9.8	21.9	56.0
3.444000	30.1	9.000	Off	L1	9.8	25.9	56.0
12.674000	31.0	9.000	Off	L1	10.1	29.0	60.0
12.812000	31.5	9.000	Off	L1	10.1	28.5	60.0
12.872000	31.8	9.000	Off	L1	10.1	28.2	60.0
14.888000	36.1	9.000	Off	L1	10.2	23.9	60.0

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EMI Auto Test(2)

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Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
16.878000	30.5	9.000	Off	L1	10.2	29.5	60.0
16.978000	30.1	9.000	Off	L1	10.2	29.9	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.460000	30.0	9.000	Off	L1	9.7	16.7	46.7
0.536000	26.1	9.000	Off	L1	9.7	19.9	46.0
0.786000	28.0	9.000	Off	L1	9.7	18.0	46.0
0.802000	27.6	9.000	Off	L1	9.7	18.4	46.0
0.816000	27.4	9.000	Off	L1	9.7	18.6	46.0
0.846000	27.2	9.000	Off	L1	9.7	18.8	46.0
3.424000	17.1	9.000	Off	L1	9.8	28.9	46.0
3.430000	17.5	9.000	Off	L1	9.8	28.5	46.0
3.442000	18.3	9.000	Off	L1	9.8	27.7	46.0
3.446000	17.8	9.000	Off	L1	9.8	28.2	46.0
3.450000	17.0	9.000	Off	L1	9.8	29.0	46.0
3.478000	18.1	9.000	Off	L1	9.8	27.9	46.0
12.674000	21.0	9.000	Off	L1	10.1	29.0	50.0
12.812000	21.3	9.000	Off	L1	10.1	28.7	50.0
14.886000	25.1	9.000	Off	L1	10.2	24.9	50.0
16.870000	22.1	9.000	Off	L1	10.2	27.9	50.0
16.878000	21.1	9.000	Off	L1	10.2	28.9	50.0
16.978000	20.7	9.000	Off	L1	10.2	29.3	50.0

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9. LIST OF TEST EQUIPMENT

9.1 LIST OF TEST EQUIPMENT(Conducted Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216/ LISN	01/13/2015	Annual	100073
Agilent	E4440A/ Spectrum Analyzer	03/18/2015	Annual	US45303008
Agilent	N9020A/ SIGNAL ANALYZER	05/23/2014	Annual	MY51110063
Agilent	N1911A/Power Meter	01/15/2015	Annual	MY45100523
Agilent	N1921A /POWER SENSOR	07/09/2014	Annual	MY45241059
Agilent	87300B/Directional Coupler	12/08/2014	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	05/19/2014	Annual	11275
ITECH	IT6720 / DC POWER SUPPLY	11/04/2014	Annual	010002156287001199
Agilent	8493C / Attenuator(10 dB)	07/21/2014	Annual	76649

9.2 LIST OF TEST EQUIPMENT(Radiated Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Schwarzbeck	VULB 9160/ TRILOG Antenna	10/10/2014	Biennial	3368
HD	MA240/ Antenna Position Tower	N/A	N/A	556
EMCO	1050/ Turn Table	N/A	N/A	114
HD GmbH	HD 100/ Controller	N/A	N/A	13
HD GmbH	KMS 560/ SlideBar	N/A	N/A	12
Rohde & Schwarz	SCU-18/ Signal Conditioning Unit	09/04/2014	Annual	10094
CERNEX	CBL18265035 / POWER AMP	07/23/2014	Annual	22966
Schwarzbeck	BBHA 9120D/ Horn Antenna	07/05/2013	Biennial	1151
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	07/05/2013	Biennial	BBHA9170541
Rohde & Schwarz	FSP / Spectrum Analyzer	10/23/2014	Annual	836650/016
Wainwright Instrument	WHF3.0/18G-10EF / High Pass Filter	06/23/2014	Annual	8
Wainwright Instrument	WHNX7.0/18G-8SS / High Pass Filter	08/04/2014	Annual	5
Wainwright Instrument	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/29/2015	Annual	2
Wainwright Instrument	WRCJ2400/2483.5-2370/2520-60/14SS / Band Reject Filter	06/17/2014	Annual	1
Rohde & Schwarz	LOOP ANTENNA	09/03/2014	Biennial	1513-175
CERNEX	CBL06185030 / POWER AMP	07/21/2014	Annual	22965
CERNEX	CBLU1183540 / POWER AMP	07/21/2014	Annual	22964
Wireless charging pad	WCD-110	-	-	FCC ID : BEJWCD110