



TEST REPORT

Applicant: Datalogic S.r.l.
Address: Via S. Vitalino 13, 40012 Lippo di Calderara di Reno
Italy
Equipment Type: DATALOGIC SMART PORTAL
Model Name: MGRWF
Brand Name: DATALOGIC
FCC ID: U4G-MGRWF
ISED Number: 3862E-MGRWF
Test Standard: 47 CFR Part 15 Subpart E
RSS-Gen Issue 5
RSS-247 Issue 4
(refer to section 3.1)
Sample Arrival Date: Feb. 04, 2026
Test Date: Mar. 13, 2026 - May 26, 2026
Date of Issue: Jun. 04, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Yang Wenxuan**Checked by:** Li Ganming**Approved by:** Tolan Tu
(Testing Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Jun. 04, 2026</u>	<u>Initial Issue</u>

TABLE OF CONTENTS

1 GENERAL INFORMATION	4
1.1 Test Laboratory	4
1.2 Test Location	4
2 PRODUCT INFORMATION	5
2.1 Applicant Information	5
2.2 Manufacturer Information	5
2.3 General Description for Equipment under Test (EUT)	5
2.4 Technical Information	6
2.5 Channel List	9
3 SUMMARY OF TEST RESULTS	13
3.1 Test Standards	13
3.2 Test Verdict	13
4 GENERAL TEST CONFIGURATIONS	14
4.1 Test Environments	14
4.2 Test Equipment List	14
4.3 Test Software List	14
4.4 Measurement Uncertainty	15
4.5 Description of Test Setup	15
5 TEST ITEMS	18
5.1 RF Output Power	18
5.2 Emission Bandwidth and 6 dB Bandwidth	20
5.3 Power Spectral density (PSD)	22
5.4 Conducted Emission	24
5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)	25

ANNEX A TEST RESULT	32
A.1 RF Output Power	32
A.2 Emission Bandwidth & 99% Bandwidth	73
A.3 6 dB Bandwidth	77
A.4 Power Spectral Density	78
A.5 Conducted Emissions	118
A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)	120
ANNEX B TEST SETUP PHOTOS	295
ANNEX C EUT EXTERNAL PHOTOS	295
ANNEX D EUT INTERNAL PHOTOS	295

1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☒ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The CAB identifier number is CN0030.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Datalogic S.r.l.
Address	Via S. Vitalino 13, 40012 Lippo di Calderara di Reno Italy

2.2 Manufacturer Information

Manufacturer	Datalogic S.r.l.
Address	Via S. Vitalino 13, 40012 Lippo di Calderara di Reno Italy

2.3 General Description for Equipment under Test (EUT)

EUT Name	DATALOGIC SMART PORTAL
Model Name Under Test	MGRWF
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	UYYM00001
Hardware Version	V1.2
Software Version	3.17.131.20260318 release-keys
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac and 802.11ax NFC
-----------------------------------	---

The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz	
Product Type	☒ Mobile ☐ Portable ☐ Fix Location Indoor for IC standard	
Modulation technology	OFDM, OFDMA	
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK	
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9 802.11ax up to 1201 Mbps	
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz, 160MHz 802.11ax: 20 MHz, 40 MHz, 80 MHz, 160MHz	
Maximum Output Power	U-NII-1: 135.26 mW U-NII-2A: 197.17 mW U-NII-2C: 245.59 mW U-NII-3: 439.56 mW	
Antenna System (eg., MIMO, Smart Antenna)	Cyclic Delay Diversity (CDD) for 802.11a Multi Input Multi Output (MIMO) for 802.11n/ac/ax	
Categorization as Correlated or Completely Uncorrelated	Categorization as Correlated for 802.11a Categorization as Uncorrelated for 802.11n/ac/ax	
Antenna Type	ANT0 ANT1	PIFA Antenna
Antenna Gain	ANT0	U-NII-1: 5150 MHz to 5250 MHz: 2.65 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.39 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.95 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.92 dBi
	ANT1	U-NII-1: 5150 MHz to 5250 MHz: 2.72 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.21 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.77 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.75 dBi
Total	For power	Correlated:

directional gain	spectral density (PSD) measurements	U-NII-1: 5150 MHz to 5250 MHz: 5.70 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.31 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.87 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.85 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / \text{NANT}]$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 2.69 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.30 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.86 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.84 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / \text{NANT}]$ dBi
	For power measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 5.70 dBi U-NII-2A: 5250 MHz to 5350 MHz: 5.31 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.87 dBi U-NII-3: 5725 MHz to 5850 MHz: 5.85 dBi Formulas: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / \text{NANT}]$ dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 2.69 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.30 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.86 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.84 dBi Formulas: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / \text{NANT}]$ dBi
About the Product		The equipment is DATALOGIC SMART PORTAL, intended for used with information technology equipment.

Mode	Antenna		
	Main Antenna	Aux. Antenna	MIMO
802.11a	√	√	√
802.11n20	√	√	√
802.11n40	√	√	√
802.11ac20	√	√	√
802.11ac40	√	√	√
802.11ac80	√	√	√
802.11ac160	√	√	√
802.11ax20	√	√	√
802.11ax40	√	√	√
802.11ax80	√	√	√
802.11ax160	√	√	√
Note: All the configurations were tested, but only the worst data was shown in this report.			

802.11ax RU configuration table							
Mode	Full RU (SU)	RU_26	RU_52	RU_106	RU_242	RU_484	RU_996
802.11ax20	√	--	--	--	--	--	--
802.11ax40	√	--	--	--	--	--	--
802.11ax80	√	--	--	--	--	--	--
802.11ax160	√	--	--	--	--	--	--

Note: The above EUT information in section 2.4 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.5 Channel List

20 MHz		40 MHz		80 MHz		160 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190	42	5210	50	5250
40	5200	46	5230	58	5290	114	5570
44	5220	54	5270	106	5530		
48	5240	62	5310	122	5610		
52	5260	102	5510	155	5775		
56	5280	110	5550				
60	5300	118	5590				
64	5320	126	5630				
100	5500	134	5670				
104	5520	151	5755				
108	5540	159	5795				
112	5560						
116	5580						
120	5600						
124	5620						
128	5640						
132	5660						
136	5680						
140	5700						
149	5745						
153	5765						
157	5785						
161	5805						
165	5825						

The Lowest frequency, the middle frequency and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11a/n(HT20)/ac(VHT20)/ax(HE20)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	52	Low	5260
44	Mid	5220	60	Mid	5300
48	High	5240	64	High	5320

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
100	Low	5500	149	Low	5745
116	Mid	5580	157	Mid	5785
140	High	5700	165	High	5825

For 802.11n(HT40)/ac(VHT40)/ax(HE40)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	54	Low	5270
46	High	5230	62	High	5310

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5590	159	High	5795
134	High	5670			

For 802.11ac(VHT80)/ax(HE80)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	58	Mid	5290

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
106	Low	5530	155	Mid	5775
122	High	5610			

For 802.11ac(VHT160)/ax(HE160)

U-NII-1 (5150 - 5250 MHz)			U-NII-2C (5470 - 5725 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
50	Mid	5250	114	Mid	5570

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
	11ac(160 MHz)	58.5		50	/	114	/
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
	11ax(80 MHz)	17		42	58	122/106	155
	11ax(160 MHz)	34		50	/	114	/
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
	11ac(160 MHz)	58.5		50	/	114	/
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
	11ax(80 MHz)	17		42	58	122/106	155
	11ax(160 MHz)	34		50	/	114	/
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155
	11ac(160 MHz)	58.5		N/A	N/A	N/A	/
	11ax(20 MHz)	4		N/A	N/A	N/A	165/157/149
	11ax(40 MHz)	8		N/A	N/A	N/A	159/151

	11ax(80 MHz)	17		N/A	N/A	N/A	155
	11ax(160 MHz)	34		N/A	N/A	N/A	/
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
	11ac(160 MHz)	58.5		50	/	114	/
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
	11ax(80 MHz)	17		42	58	122/106	155
	11ax(160 MHz)	34		50	/	114	/
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
	11ac(160 MHz)	58.5		50	/	114	/
	11ax(20 MHz)	4		48/44/36	64/60/52	140/116/100	165/157/149
	11ax(40 MHz)	8		46/38	62/54	134/118/102	159/151
	11ax(80 MHz)	17		42	58	122/106	155
	11ax(160 MHz)	34		50	/	114	/
Band Edge (Restricted-band d)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
	11ac(160 MHz)	58.5		50	/	114	/
	11ax(20 MHz)	4		48/36	64/52	140/100	165/149
	11ax(40 MHz)	8		46/38	62/54	134/102	159/151
	11ax(80 MHz)	17		42	58	122/106	155
	11ax(160 MHz)	34		50	/	114	/

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 4	Digital Transmission Systems, Frequency Hopping Systems and Licence Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands
4	KDB Publication 789033 D02v02r01☆	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
5	KDB Publication 662911 D01v02r01☆	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
6	ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-Gen, 6.8	--	Pass ^{Note1}
2	RF Output Power	15.407(a)	RSS-247, 7.3	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 7.3	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 7.3	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 7.3	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 7.3	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A ^{Note2}

Note¹: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note²: Only radio communication receivers operating in stand-alone mode within the U-NII-30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

Note³: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	42% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.3℃ to +25.7℃
Working Voltage of the EUT	NV (Normal Voltage)	12 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420186	2025.05.21	2026.05.20
				2026.05.11	2027.05.10
Power meter	R&S	NRP8S	101498	2025.07.07	2026.07.06
Spectrum Analyzer	R&S	FSV40	101544	2025.10.30	2026.10.29
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060127	2025.12.25	2026.12.24
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Test Antenna-Bi-Log	Schwarzbeck	VULB 9163	01414	2023.11.03	2026.11.02
Test Antenna-Horn	Schwarzbeck	BBHA 9120D	02459	2023.10.26	2026.10.25
Anechoic Chamber	YIHENG	C8-966	107	2024.05.12	2027.05.11
EMI Receiver	Keysight	N9038A	MY55330121	2025.12.26	2026.12.25
Filtering unit	balun	SU319F	LW-SZ19D0001 F01	N/A	N/A
Switching unit	BALUN	SU319	LW-SZ19D0001 S01	N/A	N/A
EMI Receiver	keysight	N9038B	MY61380132	2025.12.26	2026.12.25
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK8127	01009	2025.07.15	2026.07.14
Shielded Enclosure	YiHeng Electronic Co., Ltd	4.3m*2.9m*2.4 m	235	2024.11.05	2027.11.04
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V3.0.1.528	N/A	The section 4.5.1
BL410E	BALUN	V22.930	N/A	The section 4.5.2&4.5.3&4.5.4&4.5.5

4.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

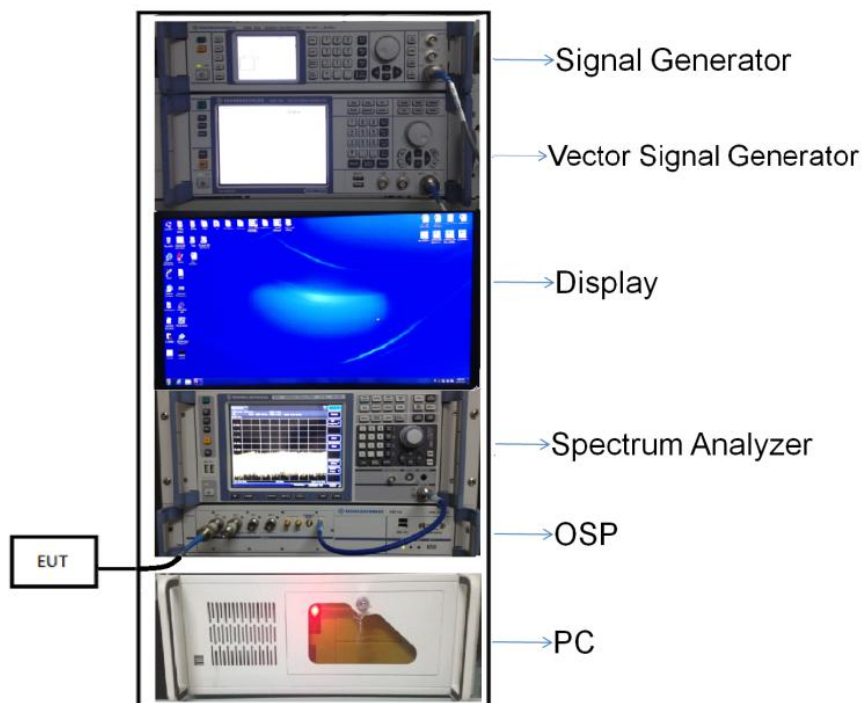
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

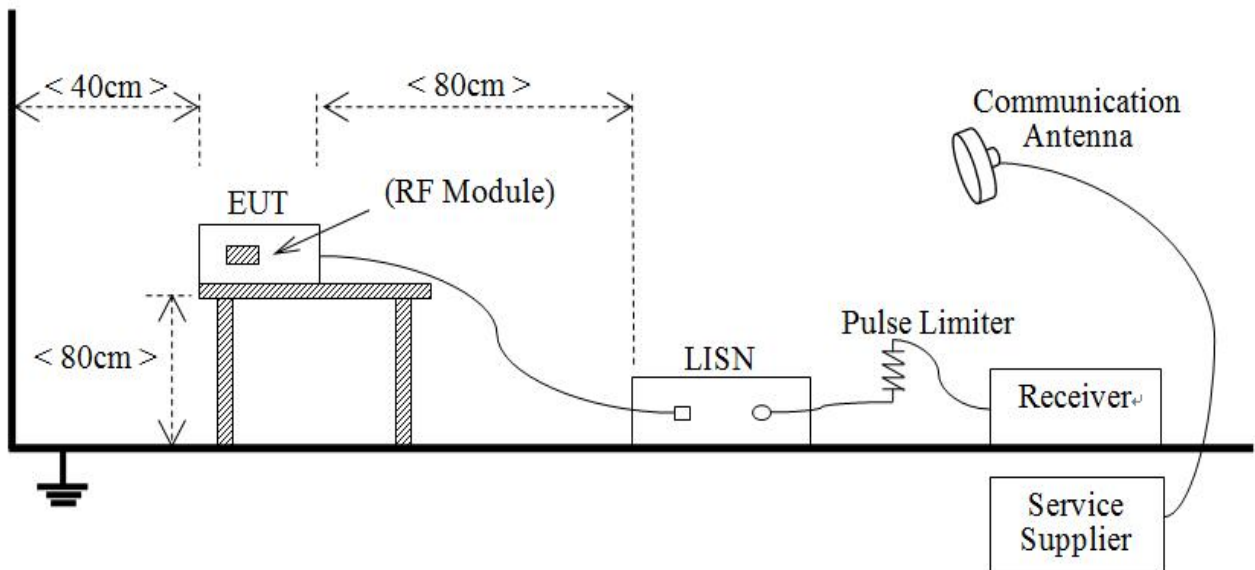
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



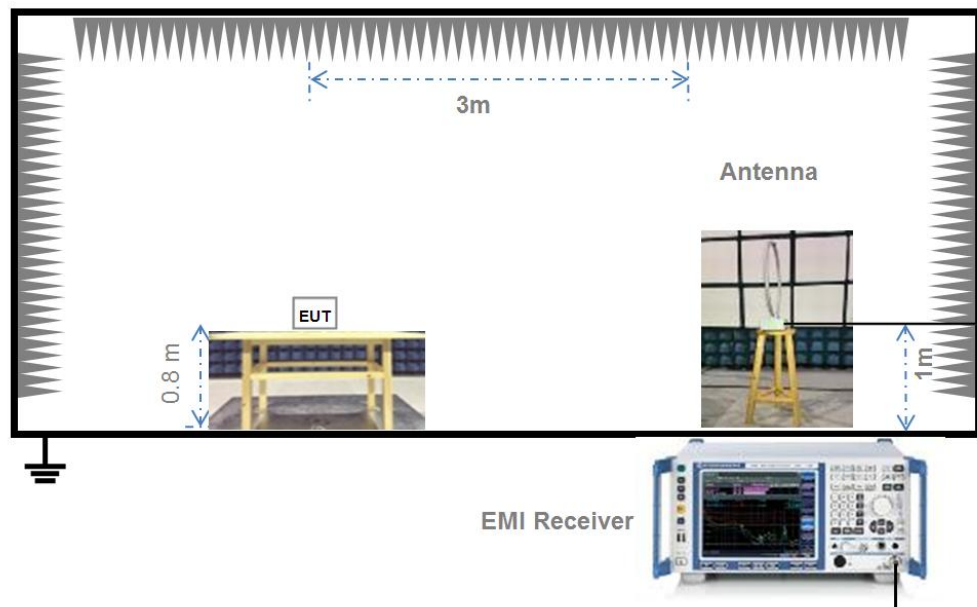
(Diagram 1)

4.5.2 For AC Power Supply Port Test



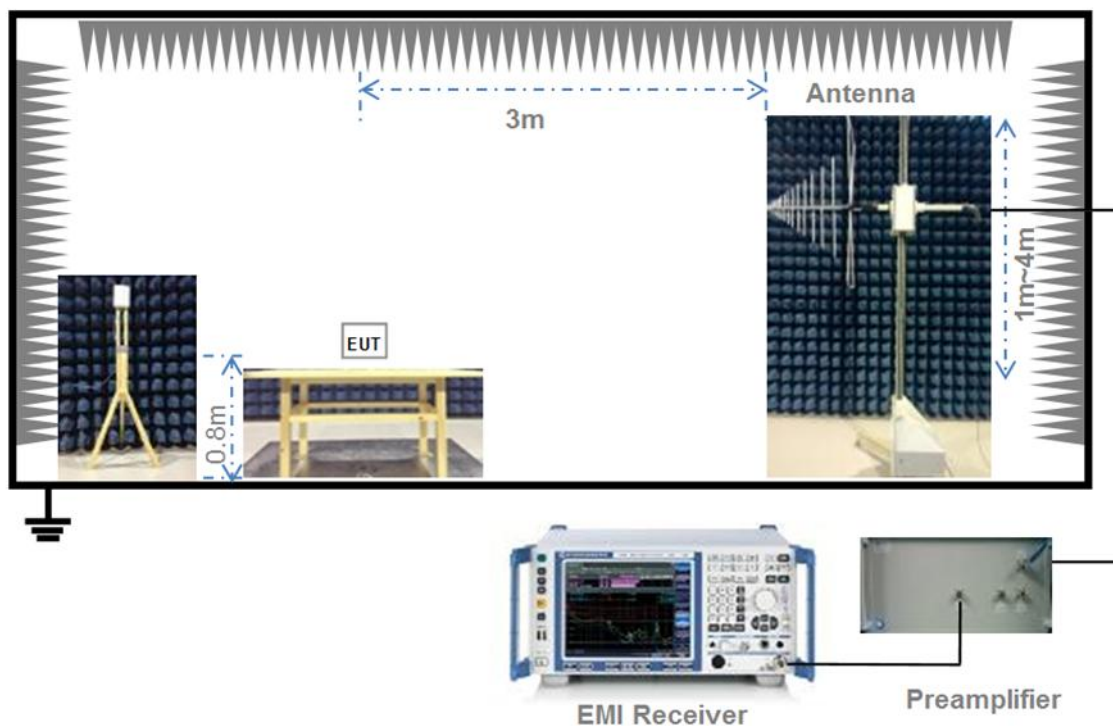
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



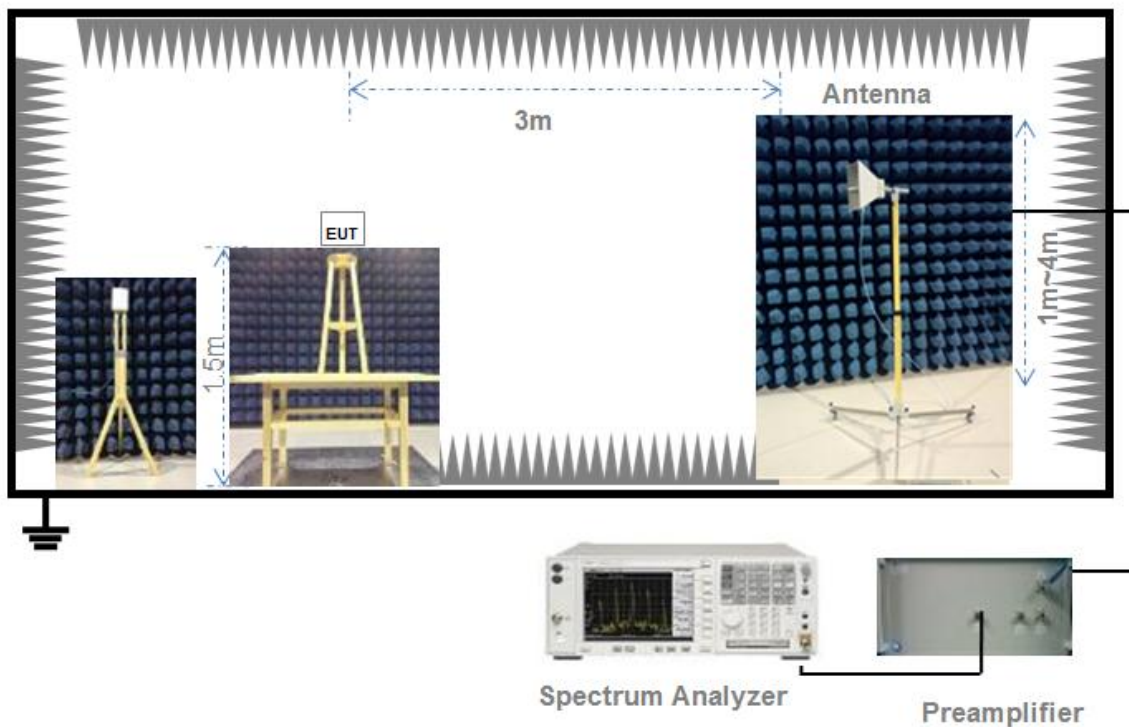
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

Frequency Band (MHz)	Limit
5150-5250	250 mW
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where "B" is the 26 dB emissions bandwidth in MHz.	

RSS-247, 7.3

The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where "B" is the 99% emissions bandwidth in MHz.	

The maximum e.i.r.p. shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
Note1: Where "B" is the 99% emissions bandwidth in MHz.	
Note2: EIRP= maximum conducted output power+ Antenna Gain.	

5.1.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Maximum conducted (average) output power

a) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.

- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.
- c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
- d) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle.

Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.

Set $VBW \geq RBW$. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.10 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 7.3

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.2.2 Test Setup

The test setup photo please refer to 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW $\geq$ RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Occupied Bandwidth

1. Set center frequency to the nominal EUT channel center frequency.
2. Set Span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1% to 5% of the OBW.
4. Set VBW $\geq 3 \times$ RBW.
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used. Use the 99% power bandwidth function of the instrument.
6. Use the 99% power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

6 dB bandwidth

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725–5.85 GHz. The following procedure shall be used for measuring this bandwidth:

1. Set RBW = 100 kHz,
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

Please refer to ANNEX A.2 and ANNEX A.3.

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	11 dBm/MHz
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

RSS-247, 7.3

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

The e.i.r.p. spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A
e.i.r.p. spectral density= maximum power spectral density+ Antenna Gain.	

5.3.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth:

1. Measure the duty cycle, x , of the transmitter output signal as described in II.B.
2. Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
3. Set RBW = 510 kHz/1 MHz.
4. Set VBW $\geq 3 \times$ VBW.
5. Number of points in sweep $\geq 2 \times$ span / RBW. (This ensures that bin-to-bin spacing is $\leq$ RBW/2, so that narrowband signals are not lost between frequency bins.)
6. Sweep time = auto.
7. Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
8. Do not use sweep triggering. Allow the sweep to "free run."
9. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.

10. Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.

1. 11. Add $10 \log (1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \log (1/0.25) = 6 \text{ dB}$ if the duty cycle is 25%.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

For an intentional radiator that 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 within the U-NII-150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.4.2 Test Setup

The section 4.5.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

5.4.4 Test Result

Please refer to ANNEX A.5.

5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

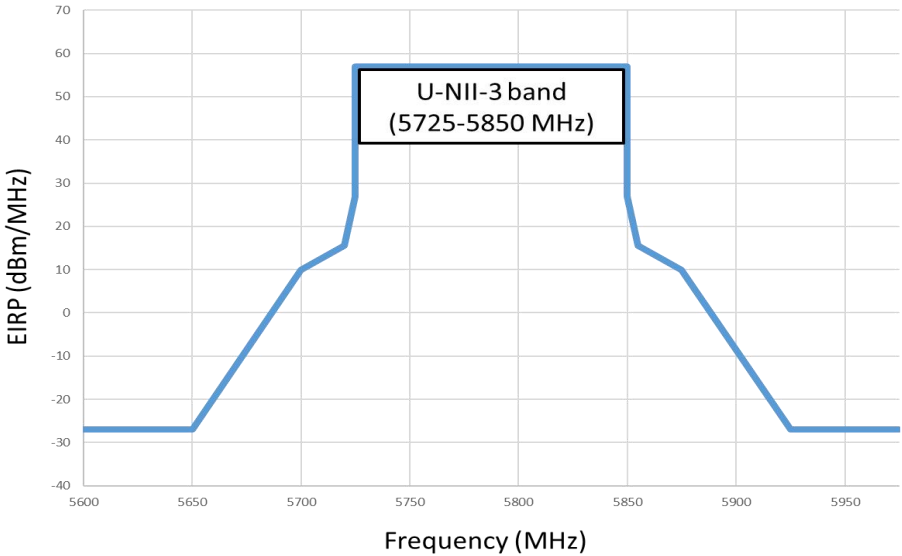
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 7.3

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note ¹: The Limit for radiated test was performed according to FCC Part 15C

Note ²: The tighter limit applies at the band edge.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5150 - 5250	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5250 - 5350	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5470 - 5725	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5725 - 5850	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. 

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field

strength.

5.5.2 Test Setup

The section 4.5.3-4.5.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

Radiated Spurious Emissions:

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20 \log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- f) Compare the resultant electric field strength level to the applicable limit.

- g) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle, x , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.

f) Averaging type = power (i.e., RMS).

1) As an alternative, the detector and averaging type may be set for linear voltage averaging.

2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.

g) Sweep time = auto.

h) Perform a trace average of at least 100 traces.

i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where x is the duty cycle.

3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Band Edge (Restricted-band):

If the EUT can be configured or modified to transmit continuously ($D \geq 98\%$), measured using the following method (with EUT transmitting continuously):

Use the following spectrum analyzer settings:

Set instrument center frequency to the frequency of the emission to be measured (must be within 2 MHz of the authorized band-edge).

RBW = 100 kHz.

VBW $\geq [3 \times \text{RBW}]$.

Detector = Power averaging (rms), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$.

Averaging type = power (i.e., rms):

As an alternative, the detector and averaging type may be set for linear voltage averaging.

Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.

Sweep time = auto.

Perform a trace average of at least 100 traces.

Compute the power by integrating the spectrum over 1 MHz using the analyzer's band-power measurement function with band limits set equal to the emission frequency (femission) ± 0.5 MHz. If the instrument does not have a band-power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by femission) ± 0.5 MHz.

If continuous transmission of the EUT ($D \geq 98\%$) cannot be achieved and the duty cycle is constant (duty cycle variations are less $\pm 2\%$), then the following procedure may be used to measure the average power of unwanted emissions within 2 MHz of the authorized band-edge:

RBW = 100 kHz.

VBW $\geq [3 \times \text{RBW}]$.

Detector = Power averaging (rms), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$.

Averaging type = power (i.e., rms):

Detector = Power averaging (rms), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$. Satisfying this condition might require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.

Averaging type = power (i.e., rms):

- 1) As an alternative, the detector and averaging type may be set for linear voltage averaging
- 2) Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.

Sweep time = auto.

Perform a trace average of at least 100 traces.

Compute the power by integrating the spectrum over 1 MHz using the instrument's band-power measurement function with band limits set equal to the emission frequency (femission) ± 0.5 MHz. If the spectrum analyzer does not have a band-power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by femission ± 0.5 MHz.

A correction factor shall be added to the measurement results prior to comparing with the emission limit to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

- 1) If power averaging (rms) mode was used in step f), then the applicable correction factor is $[10 \log (1 / D)]$, where D is the duty cycle.
- 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $[20 \log (1 / D)]$, where D is the duty cycle.
- 3) If a specific emission is demonstrated to be continuous ($D \geq 98\%$) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

Reduction of the measured emission amplitude levels to account for operational duty cycle is not permitted. Determining compliance is based on emission levels occurring during transmission—it is not based on an average across ON and OFF times of the transmitter.

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note¹: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note³: For IC standard, the U-NII-3 (5725 - 5850 MHz) maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle	Duty Factor
11a	2.09	2.11	99.00%	0.04
11n(HT20)/11ac(VHT20)	5.42	5.44	99.72%	0.01
11n(HT40)/11ac(VHT40)	5.42	5.44	99.58%	0.02
11ac(VHT80)	5.42	5.44	99.72%	0.01
11ac(VHT160)	5.42	5.44	99.58%	0.02
11ax(HE20)	5.44	5.46	99.58%	0.02
11ax(HE40)	5.45	5.46	99.73%	0.01
11ax(HE80)	5.44	5.45	99.72%	0.01
11ax(HE160)	5.44	5.46	99.58%	0.02

Test DataConducted PowerSISO-ANT0

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	16.34	43.09	250	Pass
11a	CH44	16.75	47.35	250	Pass
11a	CH48	16.66	46.38	250	Pass
11n(HT20)	CH36	16.55	45.21	250	Pass
11n(HT20)	CH44	16.70	46.79	250	Pass
11n(HT20)	CH48	16.76	47.45	250	Pass
11n(HT40)	CH38	18.91	77.78	250	Pass
11n(HT40)	CH46	19.33	85.67	250	Pass
11ac(VHT20)	CH36	16.90	49.00	250	Pass
11ac(VHT20)	CH44	16.70	46.79	250	Pass
11ac(VHT20)	CH48	16.77	47.56	250	Pass
11ac(VHT40)	CH38	19.16	82.38	250	Pass
11ac(VHT40)	CH46	19.33	85.67	250	Pass
11ac(VHT80)	CH42	20.24	105.68	250	Pass
11ac(VHT160)	CH50	19.15	82.19	250	Pass
11ax(HE20)(SU)	CH36	17.20	52.46	250	Pass
11ax(HE20)(SU)	CH44	16.99	49.98	250	Pass
11ax(HE20)(SU)	CH48	17.05	50.68	250	Pass
11ax(HE40)(SU)	CH38	18.38	68.90	250	Pass
11ax(HE40)(SU)	CH46	19.04	80.20	250	Pass
11ax(HE80)(SU)	CH42	20.17	103.99	250	Pass
11ax(HE160)(SU)	CH50	19.89	97.46	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	19.98	99.62	246	205	Pass
11a	CH60	20.59	114.64	246	205	Pass
11a	CH64	20.71	117.86	245	205	Pass
11n(HT20)	CH52	20.17	104.04	250	220	Pass
11n(HT20)	CH60	20.73	118.36	250	220	Pass
11n(HT20)	CH64	20.85	121.67	250	220	Pass
11n(HT40)	CH54	21.86	153.41	250	250	Pass
11n(HT40)	CH62	21.98	157.70	250	250	Pass
11ac(VHT20)	CH52	20.69	117.27	250	220	Pass
11ac(VHT20)	CH60	20.71	117.81	250	220	Pass
11ac(VHT20)	CH64	20.84	121.39	250	220	Pass
11ac(VHT40)	CH54	21.83	152.35	250	250	Pass
11ac(VHT40)	CH62	22.75	188.30	250	250	Pass
11ac(VHT80)	CH58	20.68	117.00	250	250	Pass
11ax(HE20)(SU)	CH52	21.02	126.42	250	237	Pass
11ax(HE20)(SU)	CH60	21.03	126.72	250	237	Pass
11ax(HE20)(SU)	CH64	21.14	129.97	250	237	Pass
11ax(HE40)(SU)	CH54	21.56	143.28	250	250	Pass
11ax(HE40)(SU)	CH62	21.01	126.24	250	250	Pass
11ax(HE80)(SU)	CH58	20.65	116.20	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	20.55	113.59	245	205	Pass
11a	CH116	20.55	113.59	244	205	Pass
11a	CH140	20.43	110.50	245	205	Pass
11n(HT20)	CH100	20.75	118.90	250	220	Pass
11n(HT20)	CH116	20.72	118.09	250	220	Pass
11n(HT20)	CH140	20.59	114.60	250	220	Pass
11n(HT40)	CH102	22.57	180.65	250	250	Pass
11n(HT40)	CH118	22.46	176.13	250	250	Pass
11n(HT40)	CH134	21.77	150.26	250	250	Pass
11ac(VHT20)	CH100	20.73	118.36	250	220	Pass
11ac(VHT20)	CH116	20.70	117.54	250	220	Pass
11ac(VHT20)	CH140	20.54	113.29	250	220	Pass
11ac(VHT40)	CH102	22.57	180.65	250	250	Pass
11ac(VHT40)	CH118	22.43	174.92	250	250	Pass
11ac(VHT40)	CH134	21.78	150.61	250	250	Pass
11ac(VHT80)	CH106	21.22	132.49	250	250	Pass
11ac(VHT80)	CH122	23.65	231.85	250	250	Pass
11ac(VHT160)	CH114	20.44	110.62	250	250	Pass
11ax(HE20)(SU)	CH100	21.02	126.42	250	237	Pass
11ax(HE20)(SU)	CH116	20.98	125.27	250	237	Pass
11ax(HE20)(SU)	CH140	20.84	121.29	250	237	Pass
11ax(HE40)(SU)	CH102	22.28	169.12	250	250	Pass
11ax(HE40)(SU)	CH118	22.12	163.00	250	250	Pass
11ax(HE40)(SU)	CH134	21.47	140.34	250	250	Pass
11ax(HE80)(SU)	CH106	21.14	130.08	250	250	Pass
11ax(HE80)(SU)	CH122	23.73	236.15	250	250	Pass
11ax(HE160)(SU)	CH114	19.96	99.05	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	23.78	238.97	1000	1000	Pass
11a	CH157	23.77	238.42	1000	1000	Pass
11a	CH165	23.96	249.09	1000	1000	Pass
11n(HT20)	CH149	23.38	217.87	1000	1000	Pass
11n(HT20)	CH157	23.39	218.37	1000	1000	Pass
11n(HT20)	CH165	23.59	228.66	1000	1000	Pass
11n(HT40)	CH151	23.58	227.95	1000	1000	Pass
11n(HT40)	CH159	23.60	229.00	1000	1000	Pass
11ac(VHT20)	CH149	23.37	217.37	1000	1000	Pass
11ac(VHT20)	CH157	23.38	217.87	1000	1000	Pass
11ac(VHT20)	CH165	23.59	228.66	1000	1000	Pass
11ac(VHT40)	CH151	23.57	227.43	1000	1000	Pass
11ac(VHT40)	CH159	23.62	230.06	1000	1000	Pass
11ac(VHT80)	CH155	23.48	222.95	1000	1000	Pass
11ax(HE20)(SU)	CH149	23.62	230.06	1000	1000	Pass
11ax(HE20)(SU)	CH157	23.60	229.00	1000	1000	Pass
11ax(HE20)(SU)	CH165	23.78	238.69	1000	1000	Pass
11ax(HE40)(SU)	CH151	23.58	228.14	1000	1000	Pass
11ax(HE40)(SU)	CH159	23.65	231.84	1000	1000	Pass
11ax(HE80)(SU)	CH155	23.38	217.87	1000	1000	Pass

SISO-ANT1

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	16.71	46.92	250	Pass
11a	CH44	16.51	44.81	250	Pass
11a	CH48	17.07	50.97	250	Pass
11n(HT20)	CH36	16.93	49.34	250	Pass
11n(HT20)	CH44	16.64	46.15	250	Pass
11n(HT20)	CH48	16.63	46.05	250	Pass
11n(HT40)	CH38	19.73	93.94	250	Pass
11n(HT40)	CH46	19.55	90.12	250	Pass
11ac(VHT20)	CH36	16.92	49.23	250	Pass
11ac(VHT20)	CH44	16.72	47.01	250	Pass
11ac(VHT20)	CH48	16.74	47.23	250	Pass
11ac(VHT40)	CH38	19.72	93.72	250	Pass
11ac(VHT40)	CH46	19.57	90.54	250	Pass
11ac(VHT80)	CH42	20.32	107.65	250	Pass
11ac(VHT160)	CH50	19.21	83.34	250	Pass
11ax(HE20)(SU)	CH36	17.16	51.98	250	Pass
11ax(HE20)(SU)	CH44	16.91	49.07	250	Pass
11ax(HE20)(SU)	CH48	16.85	48.40	250	Pass
11ax(HE40)(SU)	CH38	19.37	86.54	250	Pass
11ax(HE40)(SU)	CH46	19.72	93.80	250	Pass
11ax(HE80)(SU)	CH42	20.14	103.28	250	Pass
11ax(HE160)(SU)	CH50	19.24	83.91	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	20.43	110.50	246	205	Pass
11a	CH60	20.42	110.24	246	205	Pass
11a	CH64	20.41	109.99	245	205	Pass
11n(HT20)	CH52	19.96	99.13	250	220	Pass
11n(HT20)	CH60	20.25	105.97	250	220	Pass
11n(HT20)	CH64	20.87	122.24	250	220	Pass
11n(HT40)	CH54	22.82	191.36	250	250	Pass
11n(HT40)	CH62	22.95	197.17	250	250	Pass
11ac(VHT20)	CH52	20.74	118.63	250	220	Pass
11ac(VHT20)	CH60	20.85	121.67	250	220	Pass
11ac(VHT20)	CH64	20.87	122.24	250	220	Pass
11ac(VHT40)	CH54	22.29	169.37	250	250	Pass
11ac(VHT40)	CH62	22.39	173.32	250	250	Pass
11ac(VHT80)	CH58	20.57	114.08	250	250	Pass
11ax(HE20)(SU)	CH52	21.07	127.89	250	237	Pass
11ax(HE20)(SU)	CH60	21.13	129.67	250	237	Pass
11ax(HE20)(SU)	CH64	21.13	129.67	250	237	Pass
11ax(HE40)(SU)	CH54	21.56	143.28	250	250	Pass
11ax(HE40)(SU)	CH62	20.88	122.52	250	250	Pass
11ax(HE80)(SU)	CH58	20.46	111.22	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	20.54	113.33	245	205	Pass
11a	CH116	20.24	105.77	244	205	Pass
11a	CH140	19.96	99.16	245	205	Pass
11n(HT20)	CH100	21.01	126.24	250	220	Pass
11n(HT20)	CH116	20.72	118.09	250	220	Pass
11n(HT20)	CH140	20.44	110.71	250	220	Pass
11n(HT40)	CH102	22.11	162.50	250	250	Pass
11n(HT40)	CH118	22.28	168.98	250	250	Pass
11n(HT40)	CH134	22.07	161.01	250	250	Pass
11ac(VHT20)	CH100	21.03	126.82	250	220	Pass
11ac(VHT20)	CH116	20.71	117.81	250	220	Pass
11ac(VHT20)	CH140	20.44	110.71	250	220	Pass
11ac(VHT40)	CH102	22.14	163.62	250	250	Pass
11ac(VHT40)	CH118	22.23	167.05	250	250	Pass
11ac(VHT40)	CH134	22.06	160.64	250	250	Pass
11ac(VHT80)	CH106	21.63	145.61	250	250	Pass
11ac(VHT80)	CH122	23.27	212.42	250	250	Pass
11ac(VHT160)	CH114	20.16	103.71	250	250	Pass
11ax(HE20)(SU)	CH100	21.31	135.16	250	237	Pass
11ax(HE20)(SU)	CH116	21.08	128.18	250	237	Pass
11ax(HE20)(SU)	CH140	20.83	121.01	250	237	Pass
11ax(HE40)(SU)	CH102	22.24	167.57	250	250	Pass
11ax(HE40)(SU)	CH118	21.98	157.83	250	250	Pass
11ax(HE40)(SU)	CH134	21.80	151.42	250	250	Pass
11ax(HE80)(SU)	CH106	20.67	116.73	250	250	Pass
11ax(HE80)(SU)	CH122	23.39	218.37	250	250	Pass
11ax(HE160)(SU)	CH114	20.19	104.43	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	23.43	220.47	1000	1000	Pass
11a	CH157	23.34	215.95	1000	1000	Pass
11a	CH165	23.52	225.09	1000	1000	Pass
11n(HT20)	CH149	23.30	213.89	1000	1000	Pass
11n(HT20)	CH157	23.31	214.39	1000	1000	Pass
11n(HT20)	CH165	23.45	221.41	1000	1000	Pass
11n(HT40)	CH151	23.29	213.23	1000	1000	Pass
11n(HT40)	CH159	23.33	215.20	1000	1000	Pass
11ac(VHT20)	CH149	23.32	214.88	1000	1000	Pass
11ac(VHT20)	CH157	23.29	213.40	1000	1000	Pass
11ac(VHT20)	CH165	23.47	222.43	1000	1000	Pass
11ac(VHT40)	CH151	23.31	214.21	1000	1000	Pass
11ac(VHT40)	CH159	23.36	216.69	1000	1000	Pass
11ac(VHT80)	CH155	23.27	212.42	1000	1000	Pass
11ax(HE20)(SU)	CH149	23.09	203.63	1000	1000	Pass
11ax(HE20)(SU)	CH157	23.03	200.83	1000	1000	Pass
11ax(HE20)(SU)	CH165	23.16	206.93	1000	1000	Pass
11ax(HE40)(SU)	CH151	23.51	224.49	1000	1000	Pass
11ax(HE40)(SU)	CH159	23.52	225.01	1000	1000	Pass
11ax(HE80)(SU)	CH155	23.32	214.88	1000	1000	Pass

MIMO-ANT0

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	13.68	23.35	250	Pass
11a	CH44	13.49	22.35	250	Pass
11a	CH48	13.72	23.57	250	Pass
11n(HT20)	CH36	14.19	26.25	250	Pass
11n(HT20)	CH44	14.00	25.13	250	Pass
11n(HT20)	CH48	14.13	25.89	250	Pass
11n(HT40)	CH38	16.92	49.19	250	Pass
11n(HT40)	CH46	16.70	46.76	250	Pass
11ac(VHT20)	CH36	14.18	26.19	250	Pass
11ac(VHT20)	CH44	13.97	24.96	250	Pass
11ac(VHT20)	CH48	14.11	25.78	250	Pass
11ac(VHT40)	CH38	16.92	49.19	250	Pass
11ac(VHT40)	CH46	16.71	46.86	250	Pass
11ac(VHT80)	CH42	18.72	74.51	250	Pass
11ac(VHT160)	CH50	16.65	46.22	250	Pass
11ax(HE20)(SU)	CH36	14.45	27.85	250	Pass
11ax(HE20)(SU)	CH44	14.26	26.66	250	Pass
11ax(HE20)(SU)	CH48	14.41	27.60	250	Pass
11ax(HE40)(SU)	CH38	16.98	49.91	250	Pass
11ax(HE40)(SU)	CH46	16.78	47.66	250	Pass
11ax(HE80)(SU)	CH42	18.07	64.15	250	Pass
11ax(HE160)(SU)	CH50	16.75	47.30	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	17.73	59.34	246	205	Pass
11a	CH60	18.07	64.17	246	205	Pass
11a	CH64	18.20	66.12	245	205	Pass
11n(HT20)	CH52	17.75	59.59	250	220	Pass
11n(HT20)	CH60	18.28	67.33	250	220	Pass
11n(HT20)	CH64	18.39	69.06	250	220	Pass
11n(HT40)	CH54	19.31	85.28	250	250	Pass
11n(HT40)	CH62	19.55	90.12	250	250	Pass
11ac(VHT20)	CH52	18.17	65.64	250	220	Pass
11ac(VHT20)	CH60	18.27	67.17	250	220	Pass
11ac(VHT20)	CH64	18.39	69.06	250	220	Pass
11ac(VHT40)	CH54	19.31	85.28	250	250	Pass
11ac(VHT40)	CH62	19.57	90.54	250	250	Pass
11ac(VHT80)	CH58	17.79	60.14	250	250	Pass
11ax(HE20)(SU)	CH52	18.47	70.28	250	237	Pass
11ax(HE20)(SU)	CH60	18.57	71.92	250	237	Pass
11ax(HE20)(SU)	CH64	18.69	73.93	250	237	Pass
11ax(HE40)(SU)	CH54	19.06	80.57	250	250	Pass
11ax(HE40)(SU)	CH62	18.08	64.30	250	250	Pass
11ax(HE80)(SU)	CH58	17.76	59.73	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	17.75	59.61	245	205	Pass
11a	CH116	18.14	65.22	244	205	Pass
11a	CH140	17.68	58.66	245	205	Pass
11n(HT20)	CH100	17.87	61.26	250	220	Pass
11n(HT20)	CH116	18.06	64.00	250	220	Pass
11n(HT20)	CH140	17.59	57.44	250	220	Pass
11n(HT40)	CH102	19.47	88.48	250	250	Pass
11n(HT40)	CH118	19.65	92.22	250	250	Pass
11n(HT40)	CH134	19.49	88.89	250	250	Pass
11ac(VHT20)	CH100	17.88	61.40	250	220	Pass
11ac(VHT20)	CH116	18.04	63.71	250	220	Pass
11ac(VHT20)	CH140	17.59	57.44	250	220	Pass
11ac(VHT40)	CH102	19.53	89.71	250	250	Pass
11ac(VHT40)	CH118	19.70	93.29	250	250	Pass
11ac(VHT40)	CH134	19.53	89.71	250	250	Pass
11ac(VHT80)	CH106	17.97	62.69	250	250	Pass
11ac(VHT80)	CH122	20.61	115.13	250	250	Pass
11ac(VHT160)	CH114	16.80	47.85	250	250	Pass
11ax(HE20)(SU)	CH100	18.17	65.59	250	237	Pass
11ax(HE20)(SU)	CH116	18.37	68.68	250	237	Pass
11ax(HE20)(SU)	CH140	17.92	61.92	250	237	Pass
11ax(HE40)(SU)	CH102	19.29	84.96	250	250	Pass
11ax(HE40)(SU)	CH118	19.46	88.35	250	250	Pass
11ax(HE40)(SU)	CH134	19.25	84.18	250	250	Pass
11ax(HE80)(SU)	CH106	17.41	55.11	250	250	Pass
11ax(HE80)(SU)	CH122	21.21	132.19	250	250	Pass
11ax(HE160)(SU)	CH114	16.95	49.53	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	23.73	236.24	1000	1000	Pass
11a	CH157	23.70	234.61	1000	1000	Pass
11a	CH165	23.90	245.67	1000	1000	Pass
11n(HT20)	CH149	23.39	218.37	1000	1000	Pass
11n(HT20)	CH157	23.35	216.37	1000	1000	Pass
11n(HT20)	CH165	23.51	224.49	1000	1000	Pass
11n(HT40)	CH151	21.80	151.30	1000	1000	Pass
11n(HT40)	CH159	23.18	207.89	1000	1000	Pass
11ac(VHT20)	CH149	23.30	213.89	1000	1000	Pass
11ac(VHT20)	CH157	23.27	212.42	1000	1000	Pass
11ac(VHT20)	CH165	23.47	222.43	1000	1000	Pass
11ac(VHT40)	CH151	21.82	152.00	1000	1000	Pass
11ac(VHT40)	CH159	22.79	190.04	1000	1000	Pass
11ac(VHT80)	CH155	20.59	114.60	1000	1000	Pass
11ax(HE20)(SU)	CH149	23.59	228.47	1000	1000	Pass
11ax(HE20)(SU)	CH157	23.55	226.38	1000	1000	Pass
11ax(HE20)(SU)	CH165	23.75	237.05	1000	1000	Pass
11ax(HE40)(SU)	CH151	21.61	144.94	1000	1000	Pass
11ax(HE40)(SU)	CH159	22.10	162.25	1000	1000	Pass
11ax(HE80)(SU)	CH155	20.14	103.32	1000	1000	Pass

MIMO-ANT1

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	12.88	19.42	250	Pass
11a	CH44	12.79	19.03	250	Pass
11a	CH48	12.64	18.38	250	Pass
11n(HT20)	CH36	13.39	21.84	250	Pass
11n(HT20)	CH44	13.38	21.79	250	Pass
11n(HT20)	CH48	13.25	21.14	250	Pass
11n(HT40)	CH38	15.98	39.61	250	Pass
11n(HT40)	CH46	15.55	35.88	250	Pass
11ac(VHT20)	CH36	13.39	21.84	250	Pass
11ac(VHT20)	CH44	13.38	21.79	250	Pass
11ac(VHT20)	CH48	13.25	21.14	250	Pass
11ac(VHT40)	CH38	15.97	39.52	250	Pass
11ac(VHT40)	CH46	15.55	35.88	250	Pass
11ac(VHT80)	CH42	17.86	61.12	250	Pass
11ac(VHT160)	CH50	15.61	36.38	250	Pass
11ax(HE20)(SU)	CH36	13.70	23.43	250	Pass
11ax(HE20)(SU)	CH44	13.70	23.43	250	Pass
11ax(HE20)(SU)	CH48	13.56	22.69	250	Pass
11ax(HE40)(SU)	CH38	16.12	40.94	250	Pass
11ax(HE40)(SU)	CH46	15.77	37.77	250	Pass
11ax(HE80)(SU)	CH42	17.24	52.99	250	Pass
11ax(HE160)(SU)	CH50	15.67	36.88	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	16.48	44.50	246	205	Pass
11a	CH60	17.13	51.68	246	205	Pass
11a	CH64	17.20	52.52	245	205	Pass
11n(HT20)	CH52	16.65	46.26	250	220	Pass
11n(HT20)	CH60	17.30	53.73	250	220	Pass
11n(HT20)	CH64	17.37	54.60	250	220	Pass
11n(HT40)	CH54	18.30	67.58	250	250	Pass
11n(HT40)	CH62	18.51	70.93	250	250	Pass
11ac(VHT20)	CH52	17.16	52.02	250	220	Pass
11ac(VHT20)	CH60	17.30	53.73	250	220	Pass
11ac(VHT20)	CH64	17.37	54.60	250	220	Pass
11ac(VHT40)	CH54	18.30	67.58	250	250	Pass
11ac(VHT40)	CH62	18.51	70.93	250	250	Pass
11ac(VHT80)	CH58	16.86	48.55	250	250	Pass
11ax(HE20)(SU)	CH52	17.44	55.44	250	237	Pass
11ax(HE20)(SU)	CH60	17.58	57.26	250	237	Pass
11ax(HE20)(SU)	CH64	17.66	58.32	250	237	Pass
11ax(HE40)(SU)	CH54	18.01	63.27	250	250	Pass
11ax(HE40)(SU)	CH62	17.14	51.78	250	250	Pass
11ax(HE80)(SU)	CH58	16.84	48.33	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	17.05	50.74	245	205	Pass
11a	CH116	17.09	51.21	244	205	Pass
11a	CH140	16.81	48.01	245	205	Pass
11n(HT20)	CH100	17.16	52.02	250	220	Pass
11n(HT20)	CH116	17.14	51.78	250	220	Pass
11n(HT20)	CH140	16.93	49.34	250	220	Pass
11n(HT40)	CH102	18.94	78.31	250	250	Pass
11n(HT40)	CH118	18.86	76.88	250	250	Pass
11n(HT40)	CH134	18.66	73.42	250	250	Pass
11ac(VHT20)	CH100	17.16	52.02	250	220	Pass
11ac(VHT20)	CH116	17.14	51.78	250	220	Pass
11ac(VHT20)	CH140	16.93	49.34	250	220	Pass
11ac(VHT40)	CH102	18.92	77.95	250	250	Pass
11ac(VHT40)	CH118	18.84	76.53	250	250	Pass
11ac(VHT40)	CH134	18.65	73.26	250	250	Pass
11ac(VHT80)	CH106	17.57	57.17	250	250	Pass
11ac(VHT80)	CH122	20.04	100.97	250	250	Pass
11ac(VHT160)	CH114	16.11	40.82	250	250	Pass
11ax(HE20)(SU)	CH100	17.45	55.57	250	237	Pass
11ax(HE20)(SU)	CH116	17.42	55.19	250	237	Pass
11ax(HE20)(SU)	CH140	17.20	52.46	250	237	Pass
11ax(HE40)(SU)	CH102	18.59	72.31	250	250	Pass
11ax(HE40)(SU)	CH118	18.51	70.99	250	250	Pass
11ax(HE40)(SU)	CH134	18.34	68.26	250	250	Pass
11ax(HE80)(SU)	CH106	16.91	49.11	250	250	Pass
11ax(HE80)(SU)	CH122	20.57	114.08	250	250	Pass
11ax(HE160)(SU)	CH114	16.12	40.91	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	22.31	170.35	1000	1000	Pass
11a	CH157	22.42	174.72	1000	1000	Pass
11a	CH165	22.97	198.31	1000	1000	Pass
11n(HT20)	CH149	21.86	153.53	1000	1000	Pass
11n(HT20)	CH157	21.99	158.20	1000	1000	Pass
11n(HT20)	CH165	22.63	183.32	1000	1000	Pass
11n(HT40)	CH151	20.30	107.11	1000	1000	Pass
11n(HT40)	CH159	22.14	163.62	1000	1000	Pass
11ac(VHT20)	CH149	21.86	153.53	1000	1000	Pass
11ac(VHT20)	CH157	22.00	158.56	1000	1000	Pass
11ac(VHT20)	CH165	22.59	181.63	1000	1000	Pass
11ac(VHT40)	CH151	20.70	117.45	1000	1000	Pass
11ac(VHT40)	CH159	21.72	148.54	1000	1000	Pass
11ac(VHT80)	CH155	19.76	94.67	1000	1000	Pass
11ax(HE20)(SU)	CH149	22.13	163.24	1000	1000	Pass
11ax(HE20)(SU)	CH157	22.25	167.82	1000	1000	Pass
11ax(HE20)(SU)	CH165	22.79	190.03	1000	1000	Pass
11ax(HE40)(SU)	CH151	20.46	111.22	1000	1000	Pass
11ax(HE40)(SU)	CH159	20.89	122.80	1000	1000	Pass
11ax(HE80)(SU)	CH155	19.25	84.18	1000	1000	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	16.27	42.78	250	Pass
11a	CH44	16.12	41.38	250	Pass
11a	CH48	16.18	41.95	250	Pass
11n(HT20)	CH36	16.81	48.09	250	Pass
11n(HT20)	CH44	16.70	46.92	250	Pass
11n(HT20)	CH48	16.71	47.04	250	Pass
11n(HT40)	CH38	19.47	88.80	250	Pass
11n(HT40)	CH46	19.15	82.64	250	Pass
11ac(VHT20)	CH36	16.80	48.03	250	Pass
11ac(VHT20)	CH44	16.69	46.74	250	Pass
11ac(VHT20)	CH48	16.70	46.92	250	Pass
11ac(VHT40)	CH38	19.46	88.71	250	Pass
11ac(VHT40)	CH46	19.16	82.74	250	Pass
11ac(VHT80)	CH42	21.31	135.63	250	Pass
11ac(VHT160)	CH50	19.15	82.60	250	Pass
11ax(HE20)(SU)	CH36	17.08	51.28	250	Pass
11ax(HE20)(SU)	CH44	16.98	50.09	250	Pass
11ax(HE20)(SU)	CH48	17.00	50.29	250	Pass
11ax(HE40)(SU)	CH38	19.57	90.86	250	Pass
11ax(HE40)(SU)	CH46	19.30	85.44	250	Pass
11ax(HE80)(SU)	CH42	20.68	117.14	250	Pass
11ax(HE160)(SU)	CH50	19.23	84.18	250	Pass

U-NII-2A (5250 - 5350 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH52	20.12	103.84	246	205	Pass
11a	CH60	20.60	115.86	246	205	Pass
11a	CH64	20.70	118.65	245	205	Pass
11n(HT20)	CH52	20.24	105.85	250	220	Pass
11n(HT20)	CH60	20.82	121.06	250	220	Pass
11n(HT20)	CH64	20.91	123.66	250	220	Pass
11n(HT40)	CH54	21.82	152.86	250	250	Pass
11n(HT40)	CH62	22.05	161.06	250	250	Pass
11ac(VHT20)	CH52	20.69	117.67	250	220	Pass
11ac(VHT20)	CH60	20.81	120.90	250	220	Pass
11ac(VHT20)	CH64	20.91	123.66	250	220	Pass
11ac(VHT40)	CH54	21.82	152.86	250	250	Pass
11ac(VHT40)	CH62	22.06	161.47	250	250	Pass
11ac(VHT80)	CH58	20.35	108.70	250	250	Pass
11ax(HE20)(SU)	CH52	20.98	125.72	250	237	Pass
11ax(HE20)(SU)	CH60	21.09	129.17	250	237	Pass
11ax(HE20)(SU)	CH64	21.20	132.25	250	237	Pass
11ax(HE40)(SU)	CH54	21.57	143.84	250	250	Pass
11ax(HE40)(SU)	CH62	20.64	116.08	250	250	Pass
11ax(HE80)(SU)	CH58	20.32	108.06	250	250	Pass

U-NII-2C (5470 - 5725 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH100	20.38	110.35	245	205	Pass
11a	CH116	20.62	116.42	244	205	Pass
11a	CH140	20.24	106.67	245	205	Pass
11n(HT20)	CH100	20.53	113.29	250	220	Pass
11n(HT20)	CH116	20.62	115.79	250	220	Pass
11n(HT20)	CH140	20.27	106.78	250	220	Pass
11n(HT40)	CH102	22.20	166.79	250	250	Pass
11n(HT40)	CH118	22.26	169.11	250	250	Pass
11n(HT40)	CH134	22.09	162.31	250	250	Pass
11ac(VHT20)	CH100	20.54	113.43	250	220	Pass
11ac(VHT20)	CH116	20.61	115.49	250	220	Pass
11ac(VHT20)	CH140	20.27	106.78	250	220	Pass
11ac(VHT40)	CH102	22.23	167.66	250	250	Pass
11ac(VHT40)	CH118	22.28	169.82	250	250	Pass
11ac(VHT40)	CH134	22.10	162.97	250	250	Pass
11ac(VHT80)	CH106	20.77	119.86	250	250	Pass
11ac(VHT80)	CH122	23.33	216.10	250	250	Pass
11ac(VHT160)	CH114	19.46	88.66	250	250	Pass
11ax(HE20)(SU)	CH100	20.82	121.16	250	237	Pass
11ax(HE20)(SU)	CH116	20.91	123.87	250	237	Pass
11ax(HE20)(SU)	CH140	20.57	114.38	250	237	Pass
11ax(HE40)(SU)	CH102	21.95	157.27	250	250	Pass
11ax(HE40)(SU)	CH118	22.01	159.34	250	250	Pass
11ax(HE40)(SU)	CH134	21.82	152.44	250	250	Pass
11ax(HE80)(SU)	CH106	20.17	104.22	250	250	Pass
11ax(HE80)(SU)	CH122	23.90	246.27	250	250	Pass
11ax(HE160)(SU)	CH114	19.55	90.44	250	250	Pass

U-NII-3 (5725 - 5850 MHz)						
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	IC Limit (mW)	Verdict
11a	CH149	26.05	406.59	1000	1000	Pass
11a	CH157	26.08	409.33	1000	1000	Pass
11a	CH165	26.43	443.98	1000	1000	Pass
11n(HT20)	CH149	25.69	371.91	1000	1000	Pass
11n(HT20)	CH157	25.72	374.57	1000	1000	Pass
11n(HT20)	CH165	26.09	407.81	1000	1000	Pass
11n(HT40)	CH151	24.10	258.41	1000	1000	Pass
11n(HT40)	CH159	25.68	371.51	1000	1000	Pass
11ac(VHT20)	CH149	25.64	367.43	1000	1000	Pass
11ac(VHT20)	CH157	25.68	370.98	1000	1000	Pass
11ac(VHT20)	CH165	26.05	404.07	1000	1000	Pass
11ac(VHT40)	CH151	24.29	269.45	1000	1000	Pass
11ac(VHT40)	CH159	25.28	338.58	1000	1000	Pass
11ac(VHT80)	CH155	23.20	209.27	1000	1000	Pass
11ax(HE20)(SU)	CH149	25.91	391.71	1000	1000	Pass
11ax(HE20)(SU)	CH157	25.94	394.19	1000	1000	Pass
11ax(HE20)(SU)	CH165	26.29	427.08	1000	1000	Pass
11ax(HE40)(SU)	CH151	24.07	256.16	1000	1000	Pass
11ax(HE40)(SU)	CH159	24.54	285.05	1000	1000	Pass
11ax(HE80)(SU)	CH155	22.72	187.50	1000	1000	Pass

E.I.R.PSISO-ANT0

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	18.99	79.31	163	Pass
11a	CH44	19.40	87.17	163	Pass
11a	CH48	19.31	85.38	163	Pass
11n(HT20)	CH36	19.20	83.21	175	Pass
11n(HT20)	CH44	19.35	86.14	175	Pass
11n(HT20)	CH48	19.41	87.34	175	Pass
11n(HT40)	CH38	21.56	143.17	200	Pass
11n(HT40)	CH46	21.98	157.70	200	Pass
11ac(VHT20)	CH36	19.55	90.20	175	Pass
11ac(VHT20)	CH44	19.35	86.14	175	Pass
11ac(VHT20)	CH48	19.42	87.54	175	Pass
11ac(VHT40)	CH38	21.81	151.65	200	Pass
11ac(VHT40)	CH46	21.98	157.70	200	Pass
11ac(VHT80)	CH42	22.89	194.54	200	Pass
11ac(VHT160)	CH50	21.80	151.30	200	Pass
11ax(HE20)(SU)	CH36	19.85	96.57	189	Pass
11ax(HE20)(SU)	CH44	19.64	92.01	188	Pass
11ax(HE20)(SU)	CH48	19.70	93.29	188	Pass
11ax(HE40)(SU)	CH38	21.03	126.82	200	Pass
11ax(HE40)(SU)	CH46	21.69	147.64	200	Pass
11ax(HE80)(SU)	CH42	22.82	191.43	200	Pass
11ax(HE160)(SU)	CH50	22.54	179.40	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	22.37	172.72	816	Pass
11a	CH60	22.98	198.77	816	Pass
11a	CH64	23.10	204.34	816	Pass
11n(HT20)	CH52	22.56	180.38	875	Pass
11n(HT20)	CH60	23.12	205.21	875	Pass
11n(HT20)	CH64	23.24	210.96	876	Pass
11n(HT40)	CH54	24.25	265.97	1000	Pass
11n(HT40)	CH62	24.37	273.43	1000	Pass
11ac(VHT20)	CH52	23.08	203.33	875	Pass
11ac(VHT20)	CH60	23.10	204.27	875	Pass
11ac(VHT20)	CH64	23.23	210.47	875	Pass
11ac(VHT40)	CH54	24.22	264.14	1000	Pass
11ac(VHT40)	CH62	25.14	326.47	1000	Pass
11ac(VHT80)	CH58	23.07	202.86	1000	Pass
11ax(HE20)(SU)	CH52	23.41	219.20	944	Pass
11ax(HE20)(SU)	CH60	23.42	219.70	944	Pass
11ax(HE20)(SU)	CH64	23.53	225.34	944	Pass
11ax(HE40)(SU)	CH54	23.95	248.42	1000	Pass
11ax(HE40)(SU)	CH62	23.40	218.87	1000	Pass
11ax(HE80)(SU)	CH58	23.04	201.46	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	23.50	224.05	816	Pass
11a	CH116	23.50	224.05	816	Pass
11a	CH140	23.38	217.95	817	Pass
11n(HT20)	CH100	23.70	234.53	876	Pass
11n(HT20)	CH116	23.67	232.92	875	Pass
11n(HT20)	CH140	23.54	226.05	876	Pass
11n(HT40)	CH102	25.52	356.32	1000	Pass
11n(HT40)	CH118	25.41	347.41	1000	Pass
11n(HT40)	CH134	24.72	296.37	1000	Pass
11ac(VHT20)	CH100	23.68	233.45	875	Pass
11ac(VHT20)	CH116	23.65	231.85	875	Pass
11ac(VHT20)	CH140	23.49	223.46	876	Pass
11ac(VHT40)	CH102	25.52	356.32	1000	Pass
11ac(VHT40)	CH118	25.38	345.02	1000	Pass
11ac(VHT40)	CH134	24.73	297.06	1000	Pass
11ac(VHT80)	CH106	24.17	261.34	1000	Pass
11ac(VHT80)	CH122	26.60	457.30	1000	Pass
11ac(VHT160)	CH114	23.39	218.19	1000	Pass
11ax(HE20)(SU)	CH100	23.97	249.36	943	Pass
11ax(HE20)(SU)	CH116	23.93	247.08	944	Pass
11ax(HE20)(SU)	CH140	23.79	239.24	944	Pass
11ax(HE40)(SU)	CH102	25.23	333.58	1000	Pass
11ax(HE40)(SU)	CH118	25.07	321.51	1000	Pass
11ax(HE40)(SU)	CH134	24.42	276.82	1000	Pass
11ax(HE80)(SU)	CH106	24.09	256.56	1000	Pass
11ax(HE80)(SU)	CH122	26.68	465.80	1000	Pass
11ax(HE160)(SU)	CH114	22.91	195.36	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	26.70	468.11	Pass
11a	CH157	26.69	467.03	Pass
11a	CH165	26.88	487.92	Pass
11n(HT20)	CH149	26.30	426.78	Pass
11n(HT20)	CH157	26.31	427.76	Pass
11n(HT20)	CH165	26.51	447.92	Pass
11n(HT40)	CH151	26.50	446.52	Pass
11n(HT40)	CH159	26.52	448.58	Pass
11ac(VHT20)	CH149	26.29	425.79	Pass
11ac(VHT20)	CH157	26.30	426.78	Pass
11ac(VHT20)	CH165	26.51	447.92	Pass
11ac(VHT40)	CH151	26.49	445.49	Pass
11ac(VHT40)	CH159	26.54	450.65	Pass
11ac(VHT80)	CH155	26.40	436.72	Pass
11ax(HE20)(SU)	CH149	26.54	450.64	Pass
11ax(HE20)(SU)	CH157	26.52	448.57	Pass
11ax(HE20)(SU)	CH165	26.70	467.55	Pass
11ax(HE40)(SU)	CH151	26.50	446.88	Pass
11ax(HE40)(SU)	CH159	26.57	454.14	Pass
11ax(HE80)(SU)	CH155	26.30	426.77	Pass

SISO-ANT1

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	19.36	86.37	163	Pass
11a	CH44	19.16	82.48	163	Pass
11a	CH48	19.72	93.83	163	Pass
11n(HT20)	CH36	19.58	90.82	175	Pass
11n(HT20)	CH44	19.29	84.96	175	Pass
11n(HT20)	CH48	19.28	84.76	175	Pass
11n(HT40)	CH38	22.38	172.92	200	Pass
11n(HT40)	CH46	22.20	165.90	200	Pass
11ac(VHT20)	CH36	19.57	90.61	175	Pass
11ac(VHT20)	CH44	19.37	86.54	175	Pass
11ac(VHT20)	CH48	19.39	86.94	175	Pass
11ac(VHT40)	CH38	22.37	172.52	200	Pass
11ac(VHT40)	CH46	22.22	166.66	200	Pass
11ac(VHT80)	CH42	22.97	198.15	200	Pass
11ac(VHT160)	CH50	21.86	153.41	200	Pass
11ax(HE20)(SU)	CH36	19.81	95.68	189	Pass
11ax(HE20)(SU)	CH44	19.56	90.33	188	Pass
11ax(HE20)(SU)	CH48	19.50	89.09	188	Pass
11ax(HE40)(SU)	CH38	22.02	159.29	200	Pass
11ax(HE40)(SU)	CH46	22.37	172.66	200	Pass
11ax(HE80)(SU)	CH42	22.79	190.11	200	Pass
11ax(HE160)(SU)	CH50	21.89	154.47	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	22.82	191.58	816	Pass
11a	CH60	22.81	191.14	816	Pass
11a	CH64	22.80	190.70	816	Pass
11n(HT20)	CH52	22.35	171.87	875	Pass
11n(HT20)	CH60	22.64	183.74	875	Pass
11n(HT20)	CH64	23.26	211.93	876	Pass
11n(HT40)	CH54	25.21	331.77	1000	Pass
11n(HT40)	CH62	25.34	341.85	1000	Pass
11ac(VHT20)	CH52	23.13	205.68	875	Pass
11ac(VHT20)	CH60	23.24	210.96	875	Pass
11ac(VHT20)	CH64	23.26	211.93	875	Pass
11ac(VHT40)	CH54	24.68	293.66	1000	Pass
11ac(VHT40)	CH62	24.78	300.50	1000	Pass
11ac(VHT80)	CH58	22.96	197.79	1000	Pass
11ax(HE20)(SU)	CH52	23.46	221.73	944	Pass
11ax(HE20)(SU)	CH60	23.52	224.82	944	Pass
11ax(HE20)(SU)	CH64	23.52	224.82	944	Pass
11ax(HE40)(SU)	CH54	23.95	248.42	1000	Pass
11ax(HE40)(SU)	CH62	23.27	212.42	1000	Pass
11ax(HE80)(SU)	CH58	22.85	192.84	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	23.49	223.54	816	Pass
11a	CH116	23.19	208.62	816	Pass
11a	CH140	22.91	195.59	817	Pass
11n(HT20)	CH100	23.96	249.00	876	Pass
11n(HT20)	CH116	23.67	232.92	875	Pass
11n(HT20)	CH140	23.39	218.37	876	Pass
11n(HT40)	CH102	25.06	320.51	1000	Pass
11n(HT40)	CH118	25.23	333.30	1000	Pass
11n(HT40)	CH134	25.02	317.57	1000	Pass
11ac(VHT20)	CH100	23.98	250.15	875	Pass
11ac(VHT20)	CH116	23.66	232.38	875	Pass
11ac(VHT20)	CH140	23.39	218.37	876	Pass
11ac(VHT40)	CH102	25.09	322.73	1000	Pass
11ac(VHT40)	CH118	25.18	329.49	1000	Pass
11ac(VHT40)	CH134	25.01	316.84	1000	Pass
11ac(VHT80)	CH106	24.58	287.21	1000	Pass
11ac(VHT80)	CH122	26.22	418.99	1000	Pass
11ac(VHT160)	CH114	23.11	204.57	1000	Pass
11ax(HE20)(SU)	CH100	24.26	266.58	943	Pass
11ax(HE20)(SU)	CH116	24.03	252.83	944	Pass
11ax(HE20)(SU)	CH140	23.78	238.69	944	Pass
11ax(HE40)(SU)	CH102	25.19	330.52	1000	Pass
11ax(HE40)(SU)	CH118	24.93	311.31	1000	Pass
11ax(HE40)(SU)	CH134	24.75	298.67	1000	Pass
11ax(HE80)(SU)	CH106	23.62	230.25	1000	Pass
11ax(HE80)(SU)	CH122	26.34	430.72	1000	Pass
11ax(HE160)(SU)	CH114	23.14	205.98	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	26.35	431.87	Pass
11a	CH157	26.26	423.01	Pass
11a	CH165	26.44	440.91	Pass
11n(HT20)	CH149	26.22	418.99	Pass
11n(HT20)	CH157	26.23	419.95	Pass
11n(HT20)	CH165	26.37	433.71	Pass
11n(HT40)	CH151	26.21	417.68	Pass
11n(HT40)	CH159	26.25	421.54	Pass
11ac(VHT20)	CH149	26.24	420.92	Pass
11ac(VHT20)	CH157	26.21	418.02	Pass
11ac(VHT20)	CH165	26.39	435.71	Pass
11ac(VHT40)	CH151	26.23	419.60	Pass
11ac(VHT40)	CH159	26.28	424.46	Pass
11ac(VHT80)	CH155	26.19	416.10	Pass
11ax(HE20)(SU)	CH149	26.01	398.87	Pass
11ax(HE20)(SU)	CH157	25.95	393.40	Pass
11ax(HE20)(SU)	CH165	26.08	405.35	Pass
11ax(HE40)(SU)	CH151	26.43	439.74	Pass
11ax(HE40)(SU)	CH159	26.44	440.75	Pass
11ax(HE80)(SU)	CH155	26.24	420.92	Pass

MIMO-ANT0

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	16.33	42.99	163	Pass
11a	CH44	16.14	41.15	163	Pass
11a	CH48	16.37	43.39	163	Pass
11n(HT20)	CH36	16.84	48.33	175	Pass
11n(HT20)	CH44	16.65	46.26	175	Pass
11n(HT20)	CH48	16.78	47.66	175	Pass
11n(HT40)	CH38	19.57	90.54	200	Pass
11n(HT40)	CH46	19.35	86.07	200	Pass
11ac(VHT20)	CH36	16.83	48.22	175	Pass
11ac(VHT20)	CH44	16.62	45.94	175	Pass
11ac(VHT20)	CH48	16.76	47.45	175	Pass
11ac(VHT40)	CH38	19.57	90.54	200	Pass
11ac(VHT40)	CH46	19.36	86.27	200	Pass
11ac(VHT80)	CH42	21.37	137.15	200	Pass
11ac(VHT160)	CH50	19.30	85.08	200	Pass
11ax(HE20)(SU)	CH36	17.10	51.27	189	Pass
11ax(HE20)(SU)	CH44	16.91	49.07	188	Pass
11ax(HE20)(SU)	CH48	17.06	50.80	188	Pass
11ax(HE40)(SU)	CH38	19.63	91.87	200	Pass
11ax(HE40)(SU)	CH46	19.43	87.74	200	Pass
11ax(HE80)(SU)	CH42	20.72	118.09	200	Pass
11ax(HE160)(SU)	CH50	19.40	87.06	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	20.12	102.88	816	Pass
11a	CH60	20.46	111.26	816	Pass
11a	CH64	20.59	114.64	816	Pass
11n(HT20)	CH52	20.14	103.32	875	Pass
11n(HT20)	CH60	20.67	116.73	875	Pass
11n(HT20)	CH64	20.78	119.73	876	Pass
11n(HT40)	CH54	21.70	147.86	1000	Pass
11n(HT40)	CH62	21.94	156.26	1000	Pass
11ac(VHT20)	CH52	20.56	113.81	875	Pass
11ac(VHT20)	CH60	20.66	116.47	875	Pass
11ac(VHT20)	CH64	20.78	119.73	875	Pass
11ac(VHT40)	CH54	21.70	147.86	1000	Pass
11ac(VHT40)	CH62	21.96	156.98	1000	Pass
11ac(VHT80)	CH58	20.18	104.28	1000	Pass
11ax(HE20)(SU)	CH52	20.86	121.85	944	Pass
11ax(HE20)(SU)	CH60	20.96	124.69	944	Pass
11ax(HE20)(SU)	CH64	21.08	128.18	944	Pass
11ax(HE40)(SU)	CH54	21.45	139.70	1000	Pass
11ax(HE40)(SU)	CH62	20.47	111.48	1000	Pass
11ax(HE80)(SU)	CH58	20.15	103.56	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	20.70	117.58	816	Pass
11a	CH116	21.09	128.63	816	Pass
11a	CH140	20.63	115.70	817	Pass
11n(HT20)	CH100	20.82	120.84	876	Pass
11n(HT20)	CH116	21.01	126.24	875	Pass
11n(HT20)	CH140	20.54	113.29	876	Pass
11n(HT40)	CH102	22.42	174.52	1000	Pass
11n(HT40)	CH118	22.60	181.90	1000	Pass
11n(HT40)	CH134	22.44	175.32	1000	Pass
11ac(VHT20)	CH100	20.83	121.12	875	Pass
11ac(VHT20)	CH116	20.99	125.66	875	Pass
11ac(VHT20)	CH140	20.54	113.29	876	Pass
11ac(VHT40)	CH102	22.48	176.95	1000	Pass
11ac(VHT40)	CH118	22.65	184.01	1000	Pass
11ac(VHT40)	CH134	22.48	176.95	1000	Pass
11ac(VHT80)	CH106	20.92	123.65	1000	Pass
11ac(VHT80)	CH122	23.56	227.09	1000	Pass
11ac(VHT160)	CH114	19.75	94.37	1000	Pass
11ax(HE20)(SU)	CH100	21.12	129.37	943	Pass
11ax(HE20)(SU)	CH116	21.32	135.47	944	Pass
11ax(HE20)(SU)	CH140	20.87	122.13	944	Pass
11ax(HE40)(SU)	CH102	22.24	167.57	1000	Pass
11ax(HE40)(SU)	CH118	22.41	174.26	1000	Pass
11ax(HE40)(SU)	CH134	22.20	166.03	1000	Pass
11ax(HE80)(SU)	CH106	20.36	108.69	1000	Pass
11ax(HE80)(SU)	CH122	24.16	260.73	1000	Pass
11ax(HE160)(SU)	CH114	19.90	97.69	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	26.65	462.75	Pass
11a	CH157	26.62	459.57	Pass
11a	CH165	26.82	481.22	Pass
11n(HT20)	CH149	26.31	427.76	Pass
11n(HT20)	CH157	26.27	423.84	Pass
11n(HT20)	CH165	26.43	439.74	Pass
11n(HT40)	CH151	24.72	296.37	Pass
11n(HT40)	CH159	26.10	407.23	Pass
11ac(VHT20)	CH149	26.22	418.99	Pass
11ac(VHT20)	CH157	26.19	416.10	Pass
11ac(VHT20)	CH165	26.39	435.71	Pass
11ac(VHT40)	CH151	24.74	297.74	Pass
11ac(VHT40)	CH159	25.71	372.25	Pass
11ac(VHT80)	CH155	23.51	224.49	Pass
11ax(HE20)(SU)	CH149	26.51	447.54	Pass
11ax(HE20)(SU)	CH157	26.47	443.44	Pass
11ax(HE20)(SU)	CH165	26.67	464.34	Pass
11ax(HE40)(SU)	CH151	24.53	283.92	Pass
11ax(HE40)(SU)	CH159	25.02	317.83	Pass
11ax(HE80)(SU)	CH155	23.06	202.39	Pass

MIMO-ANT1

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	15.53	35.76	163	Pass
11a	CH44	15.44	35.02	163	Pass
11a	CH48	15.29	33.83	163	Pass
11n(HT20)	CH36	16.04	40.20	175	Pass
11n(HT20)	CH44	16.03	40.11	175	Pass
11n(HT20)	CH48	15.90	38.92	175	Pass
11n(HT40)	CH38	18.63	72.92	200	Pass
11n(HT40)	CH46	18.20	66.05	200	Pass
11ac(VHT20)	CH36	16.04	40.20	175	Pass
11ac(VHT20)	CH44	16.03	40.11	175	Pass
11ac(VHT20)	CH48	15.90	38.92	175	Pass
11ac(VHT40)	CH38	18.62	72.75	200	Pass
11ac(VHT40)	CH46	18.20	66.05	200	Pass
11ac(VHT80)	CH42	20.51	112.51	200	Pass
11ac(VHT160)	CH50	18.26	66.96	200	Pass
11ax(HE20)(SU)	CH36	16.35	43.14	189	Pass
11ax(HE20)(SU)	CH44	16.35	43.14	188	Pass
11ax(HE20)(SU)	CH48	16.21	41.77	188	Pass
11ax(HE40)(SU)	CH38	18.77	75.37	200	Pass
11ax(HE40)(SU)	CH46	18.42	69.53	200	Pass
11ax(HE80)(SU)	CH42	19.89	97.54	200	Pass
11ax(HE160)(SU)	CH50	18.32	67.89	200	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	18.87	77.15	816	Pass
11a	CH60	19.52	89.61	816	Pass
11a	CH64	19.59	91.06	816	Pass
11n(HT20)	CH52	19.04	80.20	875	Pass
11n(HT20)	CH60	19.69	93.15	875	Pass
11n(HT20)	CH64	19.76	94.67	876	Pass
11n(HT40)	CH54	20.69	117.18	1000	Pass
11n(HT40)	CH62	20.90	122.98	1000	Pass
11ac(VHT20)	CH52	19.55	90.20	875	Pass
11ac(VHT20)	CH60	19.69	93.15	875	Pass
11ac(VHT20)	CH64	19.76	94.67	875	Pass
11ac(VHT40)	CH54	20.69	117.18	1000	Pass
11ac(VHT40)	CH62	20.90	122.98	1000	Pass
11ac(VHT80)	CH58	19.25	84.18	1000	Pass
11ax(HE20)(SU)	CH52	19.83	96.12	944	Pass
11ax(HE20)(SU)	CH60	19.97	99.27	944	Pass
11ax(HE20)(SU)	CH64	20.05	101.12	944	Pass
11ax(HE40)(SU)	CH54	20.40	109.70	1000	Pass
11ax(HE40)(SU)	CH62	19.53	89.78	1000	Pass
11ax(HE80)(SU)	CH58	19.23	83.79	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	20.00	100.08	816	Pass
11a	CH116	20.04	101.01	816	Pass
11a	CH140	19.76	94.70	817	Pass
11n(HT20)	CH100	20.11	102.61	876	Pass
11n(HT20)	CH116	20.09	102.14	875	Pass
11n(HT20)	CH140	19.88	97.32	876	Pass
11n(HT40)	CH102	21.89	154.47	1000	Pass
11n(HT40)	CH118	21.81	151.65	1000	Pass
11n(HT40)	CH134	21.61	144.82	1000	Pass
11ac(VHT20)	CH100	20.11	102.61	875	Pass
11ac(VHT20)	CH116	20.09	102.14	875	Pass
11ac(VHT20)	CH140	19.88	97.32	876	Pass
11ac(VHT40)	CH102	21.87	153.76	1000	Pass
11ac(VHT40)	CH118	21.79	150.95	1000	Pass
11ac(VHT40)	CH134	21.60	144.49	1000	Pass
11ac(VHT80)	CH106	20.52	112.77	1000	Pass
11ac(VHT80)	CH122	22.99	199.16	1000	Pass
11ac(VHT160)	CH114	19.06	80.51	1000	Pass
11ax(HE20)(SU)	CH100	20.40	109.61	943	Pass
11ax(HE20)(SU)	CH116	20.37	108.85	944	Pass
11ax(HE20)(SU)	CH140	20.15	103.47	944	Pass
11ax(HE40)(SU)	CH102	21.54	142.62	1000	Pass
11ax(HE40)(SU)	CH118	21.46	140.02	1000	Pass
11ax(HE40)(SU)	CH134	21.29	134.65	1000	Pass
11ax(HE80)(SU)	CH106	19.86	96.87	1000	Pass
11ax(HE80)(SU)	CH122	23.52	225.01	1000	Pass
11ax(HE160)(SU)	CH114	19.07	80.69	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	25.23	333.69	Pass
11a	CH157	25.34	342.25	Pass
11a	CH165	25.89	388.46	Pass
11n(HT20)	CH149	24.78	300.75	Pass
11n(HT20)	CH157	24.91	309.88	Pass
11n(HT20)	CH165	25.55	359.09	Pass
11n(HT40)	CH151	23.22	209.82	Pass
11n(HT40)	CH159	25.06	320.51	Pass
11ac(VHT20)	CH149	24.78	300.75	Pass
11ac(VHT20)	CH157	24.92	310.60	Pass
11ac(VHT20)	CH165	25.51	355.79	Pass
11ac(VHT40)	CH151	23.62	230.06	Pass
11ac(VHT40)	CH159	24.64	290.96	Pass
11ac(VHT80)	CH155	22.68	185.44	Pass
11ax(HE20)(SU)	CH149	25.05	319.77	Pass
11ax(HE20)(SU)	CH157	25.17	328.72	Pass
11ax(HE20)(SU)	CH165	25.71	372.25	Pass
11ax(HE40)(SU)	CH151	23.38	217.87	Pass
11ax(HE40)(SU)	CH159	23.81	240.54	Pass
11ax(HE80)(SU)	CH155	22.17	164.89	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH36	18.96	78.74	163	Pass
11a	CH44	18.82	76.17	163	Pass
11a	CH48	18.88	77.22	163	Pass
11n(HT20)	CH36	19.47	88.53	175	Pass
11n(HT20)	CH44	19.36	86.36	175	Pass
11n(HT20)	CH48	19.37	86.59	175	Pass
11n(HT40)	CH38	22.13	163.46	250	Pass
11n(HT40)	CH46	21.82	152.11	250	Pass
11ac(VHT20)	CH36	19.47	88.41	175	Pass
11ac(VHT20)	CH44	19.35	86.05	175	Pass
11ac(VHT20)	CH48	19.36	86.37	175	Pass
11ac(VHT40)	CH38	22.13	163.29	250	Pass
11ac(VHT40)	CH46	21.83	152.31	250	Pass
11ac(VHT80)	CH42	23.97	249.66	250	Pass
11ac(VHT160)	CH50	21.82	152.05	250	Pass
11ax(HE20)(SU)	CH36	19.75	94.40	189	Pass
11ax(HE20)(SU)	CH44	19.65	92.21	188	Pass
11ax(HE20)(SU)	CH48	19.66	92.56	188	Pass
11ax(HE40)(SU)	CH38	22.23	167.24	250	Pass
11ax(HE40)(SU)	CH46	21.97	157.27	250	Pass
11ax(HE80)(SU)	CH42	23.34	215.63	250	Pass
11ax(HE160)(SU)	CH50	21.90	154.96	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH52	22.55	180.04	816	Pass
11a	CH60	23.03	200.87	816	Pass
11a	CH64	23.13	205.71	816	Pass
11n(HT20)	CH52	22.64	183.53	875	Pass
11n(HT20)	CH60	23.22	209.89	875	Pass
11n(HT20)	CH64	23.31	214.40	876	Pass
11n(HT40)	CH54	24.23	265.03	1000	Pass
11n(HT40)	CH62	24.46	279.24	1000	Pass
11ac(VHT20)	CH52	23.10	204.01	875	Pass
11ac(VHT20)	CH60	23.21	209.62	875	Pass
11ac(VHT20)	CH64	23.31	214.40	875	Pass
11ac(VHT40)	CH54	24.23	265.03	1000	Pass
11ac(VHT40)	CH62	24.47	279.96	1000	Pass
11ac(VHT80)	CH58	22.75	188.46	1000	Pass
11ax(HE20)(SU)	CH52	23.38	217.98	944	Pass
11ax(HE20)(SU)	CH60	23.50	223.96	944	Pass
11ax(HE20)(SU)	CH64	23.60	229.30	944	Pass
11ax(HE40)(SU)	CH54	23.97	249.40	1000	Pass
11ax(HE40)(SU)	CH62	23.04	201.26	1000	Pass
11ax(HE80)(SU)	CH58	22.73	187.35	1000	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH100	23.38	217.66	816	Pass
11a	CH116	23.61	229.64	816	Pass
11a	CH140	23.23	210.40	817	Pass
11n(HT20)	CH100	23.49	223.45	876	Pass
11n(HT20)	CH116	23.59	228.38	875	Pass
11n(HT20)	CH140	23.23	210.61	876	Pass
11n(HT40)	CH102	25.17	328.99	1000	Pass
11n(HT40)	CH118	25.23	333.55	1000	Pass
11n(HT40)	CH134	25.05	320.15	1000	Pass
11ac(VHT20)	CH100	23.50	223.73	875	Pass
11ac(VHT20)	CH116	23.58	227.80	875	Pass
11ac(VHT20)	CH140	23.23	210.61	876	Pass
11ac(VHT40)	CH102	25.19	330.70	1000	Pass
11ac(VHT40)	CH118	25.25	334.96	1000	Pass
11ac(VHT40)	CH134	25.07	321.44	1000	Pass
11ac(VHT80)	CH106	23.74	236.42	1000	Pass
11ac(VHT80)	CH122	26.30	426.25	1000	Pass
11ac(VHT160)	CH114	22.43	174.88	1000	Pass
11ax(HE20)(SU)	CH100	23.78	238.98	943	Pass
11ax(HE20)(SU)	CH116	23.88	244.32	944	Pass
11ax(HE20)(SU)	CH140	23.53	225.61	944	Pass
11ax(HE40)(SU)	CH102	24.92	310.19	1000	Pass
11ax(HE40)(SU)	CH118	24.97	314.28	1000	Pass
11ax(HE40)(SU)	CH134	24.78	300.68	1000	Pass
11ax(HE80)(SU)	CH106	23.13	205.56	1000	Pass
11ax(HE80)(SU)	CH122	26.86	485.74	1000	Pass
11ax(HE160)(SU)	CH114	22.51	178.38	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	29.01	796.45	Pass
11a	CH157	29.04	801.82	Pass
11a	CH165	29.39	869.69	Pass
11n(HT20)	CH149	28.62	728.50	Pass
11n(HT20)	CH157	28.66	733.72	Pass
11n(HT20)	CH165	29.02	798.83	Pass
11n(HT40)	CH151	27.04	506.19	Pass
11n(HT40)	CH159	28.62	727.74	Pass
11ac(VHT20)	CH149	28.57	719.73	Pass
11ac(VHT20)	CH157	28.61	726.70	Pass
11ac(VHT20)	CH165	28.98	791.51	Pass
11ac(VHT40)	CH151	27.22	527.80	Pass
11ac(VHT40)	CH159	28.22	663.22	Pass
11ac(VHT80)	CH155	26.13	409.93	Pass
11ax(HE20)(SU)	CH149	28.85	767.31	Pass
11ax(HE20)(SU)	CH157	28.88	772.16	Pass
11ax(HE20)(SU)	CH165	29.23	836.58	Pass
11ax(HE40)(SU)	CH151	27.01	501.79	Pass
11ax(HE40)(SU)	CH159	27.47	558.37	Pass
11ax(HE80)(SU)	CH155	25.65	367.28	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note ¹: Test plots please refer to the document “Annex No.: Ti-EE26030251-604 Data Part 1.pdf”.

Note ²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note ³: All antenna were pre tested, but only the worst case has been reported in this report.

Test Data

SISO-ANT0

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	19.59	16.28
11a	CH44	19.46	16.29
11a	CH48	19.58	16.27
11n(HT20)	CH36	20.61	17.47
11n(HT20)	CH44	20.44	17.48
11n(HT20)	CH48	20.54	17.47
11n(HT40)	CH38	40.70	35.91
11n(HT40)	CH46	39.96	35.85
11ac(VHT20)	CH36	20.47	17.45
11ac(VHT20)	CH44	20.61	17.47
11ac(VHT20)	CH48	20.70	17.45
11ac(VHT40)	CH38	40.14	35.95
11ac(VHT40)	CH46	40.00	35.91
11ac(VHT80)	CH42	82.07	75.13
11ac(VHT160)	CH50	166.20	154.42
11ax(HE20)(SU)	CH36	20.95	18.85
11ax(HE20)(SU)	CH44	21.13	18.83
11ax(HE20)(SU)	CH48	20.93	18.84
11ax(HE40)(SU)	CH38	40.69	37.59
11ax(HE40)(SU)	CH46	40.72	37.53
11ax(HE80)(SU)	CH42	82.25	76.93
11ax(HE160)(SU)	CH50	166.30	156.16

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	19.56	16.27
11a	CH60	19.55	16.28
11a	CH64	19.48	16.28
11n(HT20)	CH52	20.68	17.47
11n(HT20)	CH60	20.62	17.46
11n(HT20)	CH64	20.55	17.47
11n(HT40)	CH54	40.33	35.86
11n(HT40)	CH62	40.30	35.88
11ac(VHT20)	CH52	20.45	17.47
11ac(VHT20)	CH60	20.46	17.46
11ac(VHT20)	CH64	20.60	17.47
11ac(VHT40)	CH54	40.05	35.90
11ac(VHT40)	CH62	40.23	35.90
11ac(VHT80)	CH58	81.58	75.17
11ax(HE20)(SU)	CH52	20.91	18.84
11ax(HE20)(SU)	CH60	20.86	18.84
11ax(HE20)(SU)	CH64	20.99	18.83
11ax(HE40)(SU)	CH54	40.56	37.57
11ax(HE40)(SU)	CH62	40.61	37.58
11ax(HE80)(SU)	CH58	82.32	76.91

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	19.45	16.28
11a	CH116	19.41	16.27
11a	CH140	19.45	16.29
11n(HT20)	CH100	20.48	17.47
11n(HT20)	CH116	20.48	17.46
11n(HT20)	CH140	20.62	17.47
11n(HT40)	CH102	40.19	35.90
11n(HT40)	CH118	40.01	35.86
11n(HT40)	CH134	40.17	35.86
11ac(VHT20)	CH100	20.73	17.46
11ac(VHT20)	CH116	20.61	17.47
11ac(VHT20)	CH140	20.58	17.47
11ac(VHT40)	CH102	40.22	35.95
11ac(VHT40)	CH118	40.23	35.89
11ac(VHT40)	CH134	40.00	35.90
11ac(VHT80)	CH106	81.98	75.17
11ac(VHT80)	CH122	81.87	75.12
11ac(VHT160)	CH114	165.80	154.52
11ax(HE20)(SU)	CH100	21.31	18.82
11ax(HE20)(SU)	CH116	21.10	18.83
11ax(HE20)(SU)	CH140	20.93	18.84
11ax(HE40)(SU)	CH102	40.65	37.59
11ax(HE40)(SU)	CH118	40.49	37.52
11ax(HE40)(SU)	CH134	40.51	37.61
11ax(HE80)(SU)	CH106	82.19	76.90
11ax(HE80)(SU)	CH122	82.38	76.81
11ax(HE160)(SU)	CH114	166.90	156.26

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.65	16.33
11a	CH157	21.32	16.33
11a	CH165	20.53	16.35
11n(HT20)	CH149	20.59	17.49
11n(HT20)	CH157	20.29	17.47
11n(HT20)	CH165	20.77	17.50
11n(HT40)	CH151	40.44	35.90
11n(HT40)	CH159	40.55	35.87
11ac(VHT20)	CH149	20.59	17.49
11ac(VHT20)	CH157	20.73	17.48
11ac(VHT20)	CH165	20.81	17.48
11ac(VHT40)	CH151	40.23	35.90
11ac(VHT40)	CH159	40.47	35.88
11ac(VHT80)	CH155	81.51	75.06
11ax(HE20)(SU)	CH149	22.86	18.95
11ax(HE20)(SU)	CH157	25.84	18.94
11ax(HE20)(SU)	CH165	24.59	18.95
11ax(HE40)(SU)	CH151	40.47	37.60
11ax(HE40)(SU)	CH159	40.60	37.57
11ax(HE80)(SU)	CH155	82.12	76.84

A.3 6 dB Bandwidth

Note¹: Test plots please refer to the document “Annex No.: Ti-EE26030251-604 Data Part 2.pdf”.

Note²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Note³: All antenna were pre tested, but only the worst case has been reported in this report.

Test Data

SISO-ANT0

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	14.40	500.00	Pass
11a	CH157	15.20	500.00	Pass
11a	CH165	15.20	500.00	Pass
11n(HT20)	CH149	17.00	500.00	Pass
11n(HT20)	CH157	15.20	500.00	Pass
11n(HT20)	CH165	15.20	500.00	Pass
11n(HT40)	CH151	34.20	500.00	Pass
11n(HT40)	CH159	33.30	500.00	Pass
11ac(VHT20)	CH149	16.50	500.00	Pass
11ac(VHT20)	CH157	17.70	500.00	Pass
11ac(VHT20)	CH165	15.90	500.00	Pass
11ac(VHT40)	CH151	35.20	500.00	Pass
11ac(VHT40)	CH159	33.10	500.00	Pass
11ac(VHT80)	CH155	66.50	500.00	Pass
11ax(HE20)(SU)	CH149	16.40	500.00	Pass
11ax(HE20)(SU)	CH157	18.90	500.00	Pass
11ax(HE20)(SU)	CH165	17.00	500.00	Pass
11ax(HE40)(SU)	CH151	36.70	500.00	Pass
11ax(HE40)(SU)	CH159	34.10	500.00	Pass
11ax(HE80)(SU)	CH155	65.30	500.00	Pass

A.4 Power Spectral Density

Note ¹: Test plots please refer to the document “Annex No.: Ti-EE26030251-604 Data Part 3.pdf”.

Note ²: All the configurations were pre tested, only the worst configuration has been reported in this report.

Test Data

SISO-ANT0

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	6.17	0.04	6.21	11.00	Pass
11a	CH44	6.62	0.04	6.66	11.00	Pass
11a	CH48	6.58	0.04	6.63	11.00	Pass
11n(HT20)	CH36	6.19	0.01	6.20	11.00	Pass
11n(HT20)	CH44	6.42	0.01	6.43	11.00	Pass
11n(HT20)	CH48	6.48	0.01	6.49	11.00	Pass
11n(HT40)	CH38	5.80	0.02	5.82	11.00	Pass
11n(HT40)	CH46	6.31	0.02	6.33	11.00	Pass
11ac(VHT20)	CH36	6.61	0.01	6.62	11.00	Pass
11ac(VHT20)	CH44	6.35	0.01	6.36	11.00	Pass
11ac(VHT20)	CH48	6.48	0.01	6.49	11.00	Pass
11ac(VHT40)	CH38	6.09	0.02	6.11	11.00	Pass
11ac(VHT40)	CH46	6.24	0.02	6.26	11.00	Pass
11ac(VHT80)	CH42	6.29	0.01	6.30	11.00	Pass
11ac(VHT160)	CH50	0.67	0.02	0.69	11.00	Pass
11ax(HE20)(SU)	CH36	6.71	0.01	6.72	11.00	Pass
11ax(HE20)(SU)	CH44	6.52	0.01	6.53	11.00	Pass
11ax(HE20)(SU)	CH48	6.57	0.01	6.58	11.00	Pass
11ax(HE40)(SU)	CH38	5.17	0.02	5.19	11.00	Pass
11ax(HE40)(SU)	CH46	5.87	0.02	5.89	11.00	Pass
11ax(HE80)(SU)	CH42	6.30	0.01	6.31	11.00	Pass
11ax(HE160)(SU)	CH50	1.35	0.02	1.37	11.00	Pass

U-NII-2A (5250 - 5350 MHz)							
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH52	9.99	0.04	10.03	11.00	11.00	Pass
11a	CH60	10.49	0.04	10.53	11.00	11.00	Pass
11a	CH64	10.48	0.04	10.52	11.00	11.00	Pass
11n(HT20)	CH52	9.96	0.01	9.97	11.00	11.00	Pass
11n(HT20)	CH60	10.42	0.01	10.43	11.00	11.00	Pass
11n(HT20)	CH64	10.43	0.01	10.44	11.00	11.00	Pass
11n(HT40)	CH54	8.83	0.02	8.85	11.00	11.00	Pass
11n(HT40)	CH62	8.83	0.02	8.85	11.00	11.00	Pass
11ac(VHT20)	CH52	10.52	0.01	10.53	11.00	11.00	Pass
11ac(VHT20)	CH60	10.41	0.01	10.42	11.00	11.00	Pass
11ac(VHT20)	CH64	10.41	0.01	10.42	11.00	11.00	Pass
11ac(VHT40)	CH54	8.86	0.02	8.88	11.00	11.00	Pass
11ac(VHT40)	CH62	9.51	0.02	9.53	11.00	11.00	Pass
11ac(VHT80)	CH58	5.03	0.01	5.04	11.00	11.00	Pass
11ax(HE20)(SU)	CH52	10.60	0.02	10.62	11.00	11.00	Pass
11ax(HE20)(SU)	CH60	10.54	0.02	10.56	11.00	11.00	Pass
11ax(HE20)(SU)	CH64	10.57	0.02	10.59	11.00	11.00	Pass
11ax(HE40)(SU)	CH54	8.54	0.01	8.55	11.00	11.00	Pass
11ax(HE40)(SU)	CH62	7.62	0.01	7.63	11.00	11.00	Pass
11ax(HE80)(SU)	CH58	4.98	0.02	5.00	11.00	11.00	Pass

U-NII-2C (5470 - 5725 MHz)							
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH100	10.32	0.04	10.36	11.00	11.00	Pass
11a	CH116	10.28	0.04	10.32	11.00	11.00	Pass
11a	CH140	10.35	0.04	10.39	11.00	11.00	Pass
11n(HT20)	CH100	10.32	0.01	10.33	11.00	11.00	Pass
11n(HT20)	CH116	10.31	0.01	10.32	11.00	11.00	Pass
11n(HT20)	CH140	10.36	0.01	10.37	11.00	11.00	Pass
11n(HT40)	CH102	9.29	0.02	9.31	11.00	11.00	Pass
11n(HT40)	CH118	9.21	0.02	9.23	11.00	11.00	Pass
11n(HT40)	CH134	8.71	0.02	8.73	11.00	11.00	Pass
11ac(VHT20)	CH100	10.30	0.01	10.31	11.00	11.00	Pass
11ac(VHT20)	CH116	10.27	0.01	10.28	11.00	11.00	Pass
11ac(VHT20)	CH140	10.29	0.01	10.30	11.00	11.00	Pass
11ac(VHT40)	CH102	9.22	0.02	9.24	11.00	11.00	Pass
11ac(VHT40)	CH118	9.25	0.02	9.27	11.00	11.00	Pass
11ac(VHT40)	CH134	8.66	0.02	8.68	11.00	11.00	Pass
11ac(VHT80)	CH106	5.42	0.01	5.43	11.00	11.00	Pass
11ac(VHT80)	CH122	7.93	0.01	7.94	11.00	11.00	Pass
11ac(VHT160)	CH114	1.63	0.02	1.65	11.00	11.00	Pass
11ax(HE20)(SU)	CH100	10.38	0.02	10.40	11.00	11.00	Pass
11ax(HE20)(SU)	CH116	10.38	0.02	10.40	11.00	11.00	Pass
11ax(HE20)(SU)	CH140	10.41	0.02	10.43	11.00	11.00	Pass
11ax(HE40)(SU)	CH102	8.89	0.01	8.90	11.00	11.00	Pass
11ax(HE40)(SU)	CH118	8.80	0.01	8.81	11.00	11.00	Pass
11ax(HE40)(SU)	CH134	8.28	0.01	8.29	11.00	11.00	Pass
11ax(HE80)(SU)	CH106	5.36	0.01	5.37	11.00	11.00	Pass
11ax(HE80)(SU)	CH122	8.00	0.01	8.01	11.00	11.00	Pass
11ax(HE160)(SU)	CH114	1.01	0.02	1.03	11.00	11.00	Pass

U-NII-3 (5725 - 5850 MHz)							
Mode	Channel	Measured PSD (dBm/500 kHz)	Duty Factor	PSD (dBm/500 kHz)	FCC Limit (dBm/500 kHz)	IC Limit (dBm/500 kHz)	Verdict
11a	CH149	11.02	0.04	11.06	30.00	30.00	Pass
11a	CH157	10.96	0.04	11.00	30.00	30.00	Pass
11a	CH165	11.15	0.04	11.19	30.00	30.00	Pass
11n(HT20)	CH149	10.45	0.01	10.46	30.00	30.00	Pass
11n(HT20)	CH157	10.38	0.01	10.39	30.00	30.00	Pass
11n(HT20)	CH165	10.55	0.01	10.56	30.00	30.00	Pass
11n(HT40)	CH151	7.72	0.02	7.74	30.00	30.00	Pass
11n(HT40)	CH159	7.70	0.02	7.72	30.00	30.00	Pass
11ac(VHT20)	CH149	10.36	0.01	10.37	30.00	30.00	Pass
11ac(VHT20)	CH157	10.38	0.01	10.39	30.00	30.00	Pass
11ac(VHT20)	CH165	10.56	0.01	10.57	30.00	30.00	Pass
11ac(VHT40)	CH151	7.70	0.02	7.72	30.00	30.00	Pass
11ac(VHT40)	CH159	7.73	0.02	7.75	30.00	30.00	Pass
11ac(VHT80)	CH155	5.00	0.01	5.01	30.00	30.00	Pass
11ax(HE20)(SU)	CH149	10.42	0.02	10.44	30.00	30.00	Pass
11ax(HE20)(SU)	CH157	10.41	0.02	10.43	30.00	30.00	Pass
11ax(HE20)(SU)	CH165	10.53	0.02	10.55	30.00	30.00	Pass
11ax(HE40)(SU)	CH151	7.56	0.01	7.57	30.00	30.00	Pass
11ax(HE40)(SU)	CH159	7.70	0.01	7.71	30.00	30.00	Pass
11ax(HE80)(SU)	CH155	4.70	0.01	4.71	30.00	30.00	Pass

SISO-ANT1

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	6.55	0.04	6.59	11.00	Pass
11a	CH44	6.34	0.04	6.38	11.00	Pass
11a	CH48	6.95	0.04	6.99	11.00	Pass
11n(HT20)	CH36	6.63	0.01	6.64	11.00	Pass
11n(HT20)	CH44	6.37	0.01	6.38	11.00	Pass
11n(HT20)	CH48	6.42	0.01	6.43	11.00	Pass
11n(HT40)	CH38	6.54	0.02	6.56	11.00	Pass
11n(HT40)	CH46	6.45	0.02	6.46	11.00	Pass
11ac(VHT20)	CH36	6.52	0.01	6.53	11.00	Pass
11ac(VHT20)	CH44	6.42	0.01	6.43	11.00	Pass
11ac(VHT20)	CH48	6.47	0.01	6.48	11.00	Pass
11ac(VHT40)	CH38	6.55	0.02	6.57	11.00	Pass
11ac(VHT40)	CH46	6.42	0.02	6.44	11.00	Pass
11ac(VHT80)	CH42	6.04	0.01	6.05	11.00	Pass
11ac(VHT160)	CH50	0.87	0.02	0.89	11.00	Pass
11ax(HE20)(SU)	CH36	6.64	0.01	6.65	11.00	Pass
11ax(HE20)(SU)	CH44	6.43	0.01	6.44	11.00	Pass
11ax(HE20)(SU)	CH48	6.49	0.01	6.50	11.00	Pass
11ax(HE40)(SU)	CH38	6.04	0.02	6.06	11.00	Pass
11ax(HE40)(SU)	CH46	6.52	0.02	6.54	11.00	Pass
11ax(HE80)(SU)	CH42	5.18	0.01	5.19	11.00	Pass
11ax(HE160)(SU)	CH50	0.76	0.02	0.78	11.00	Pass

U-NII-2A (5250 - 5350 MHz)							
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH52	10.35	0.04	10.39	11.00	11.00	Pass
11a	CH60	10.26	0.04	10.30	11.00	11.00	Pass
11a	CH64	10.38	0.04	10.42	11.00	11.00	Pass
11n(HT20)	CH52	9.71	0.01	9.72	11.00	11.00	Pass
11n(HT20)	CH60	9.87	0.01	9.88	11.00	11.00	Pass
11n(HT20)	CH64	10.62	0.01	10.63	11.00	11.00	Pass
11n(HT40)	CH54	9.76	0.02	9.78	11.00	11.00	Pass
11n(HT40)	CH62	9.70	0.02	9.72	11.00	11.00	Pass
11ac(VHT20)	CH52	10.60	0.01	10.61	11.00	11.00	Pass
11ac(VHT20)	CH60	10.45	0.01	10.46	11.00	11.00	Pass
11ac(VHT20)	CH64	10.60	0.01	10.61	11.00	11.00	Pass
11ac(VHT40)	CH54	9.24	0.02	9.26	11.00	11.00	Pass
11ac(VHT40)	CH62	9.19	0.02	9.21	11.00	11.00	Pass
11ac(VHT80)	CH58	4.87	0.01	4.88	11.00	11.00	Pass
11ax(HE20)(SU)	CH52	10.61	0.02	10.63	11.00	11.00	Pass
11ax(HE20)(SU)	CH60	10.52	0.02	10.54	11.00	11.00	Pass
11ax(HE20)(SU)	CH64	10.68	0.02	10.70	11.00	11.00	Pass
11ax(HE40)(SU)	CH54	8.40	0.01	8.41	11.00	11.00	Pass
11ax(HE40)(SU)	CH62	7.54	0.01	7.55	11.00	11.00	Pass
11ax(HE80)(SU)	CH58	4.78	0.02	4.80	11.00	11.00	Pass

U-NII-2C (5470 - 5725 MHz)							
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH100	10.33	0.04	10.37	11.00	11.00	Pass
11a	CH116	10.09	0.04	10.13	11.00	11.00	Pass
11a	CH140	9.93	0.04	9.97	11.00	11.00	Pass
11n(HT20)	CH100	10.64	0.01	10.65	11.00	11.00	Pass
11n(HT20)	CH116	10.33	0.01	10.34	11.00	11.00	Pass
11n(HT20)	CH140	10.23	0.01	10.24	11.00	11.00	Pass
11n(HT40)	CH102	8.91	0.02	8.93	11.00	11.00	Pass
11n(HT40)	CH118	9.06	0.02	9.08	11.00	11.00	Pass
11n(HT40)	CH134	9.00	0.02	9.02	11.00	11.00	Pass
11ac(VHT20)	CH100	10.60	0.01	10.61	11.00	11.00	Pass
11ac(VHT20)	CH116	10.32	0.01	10.33	11.00	11.00	Pass
11ac(VHT20)	CH140	10.26	0.01	10.27	11.00	11.00	Pass
11ac(VHT40)	CH102	8.86	0.02	8.88	11.00	11.00	Pass
11ac(VHT40)	CH118	9.05	0.02	9.07	11.00	11.00	Pass
11ac(VHT40)	CH134	9.02	0.02	9.04	11.00	11.00	Pass
11ac(VHT80)	CH106	5.94	0.01	5.95	11.00	11.00	Pass
11ac(VHT80)	CH122	7.64	0.01	7.65	11.00	11.00	Pass
11ac(VHT160)	CH114	1.22	0.02	1.24	11.00	11.00	Pass
11ax(HE20)(SU)	CH100	10.65	0.02	10.67	11.00	11.00	Pass
11ax(HE20)(SU)	CH116	10.40	0.02	10.42	11.00	11.00	Pass
11ax(HE20)(SU)	CH140	10.34	0.02	10.36	11.00	11.00	Pass
11ax(HE40)(SU)	CH102	8.81	0.01	8.82	11.00	11.00	Pass
11ax(HE40)(SU)	CH118	8.56	0.01	8.57	11.00	11.00	Pass
11ax(HE40)(SU)	CH134	8.59	0.01	8.60	11.00	11.00	Pass
11ax(HE80)(SU)	CH106	4.90	0.01	4.91	11.00	11.00	Pass
11ax(HE80)(SU)	CH122	7.63	0.01	7.64	11.00	11.00	Pass
11ax(HE160)(SU)	CH114	1.25	0.02	1.27	11.00	11.00	Pass

U-NII-3 (5725 - 5850 MHz)							
Mode	Channel	Measured PSD (dBm/500 kHz)	Duty Factor	PSD (dBm/500 kHz)	FCC Limit (dBm/500 kHz)	IC Limit (dBm/500 kHz)	Verdict
11a	CH149	10.66	0.04	10.70	30.00	30.00	Pass
11a	CH157	10.49	0.04	10.53	30.00	30.00	Pass
11a	CH165	10.64	0.04	10.68	30.00	30.00	Pass
11n(HT20)	CH149	10.24	0.01	10.25	30.00	30.00	Pass
11n(HT20)	CH157	10.23	0.01	10.24	30.00	30.00	Pass
11n(HT20)	CH165	10.34	0.01	10.35	30.00	30.00	Pass
11n(HT40)	CH151	7.44	0.02	7.46	30.00	30.00	Pass
11n(HT40)	CH159	7.47	0.02	7.49	30.00	30.00	Pass
11ac(VHT20)	CH149	10.27	0.01	10.28	30.00	30.00	Pass
11ac(VHT20)	CH157	10.27	0.01	10.28	30.00	30.00	Pass
11ac(VHT20)	CH165	10.37	0.01	10.38	30.00	30.00	Pass
11ac(VHT40)	CH151	7.42	0.02	7.44	30.00	30.00	Pass
11ac(VHT40)	CH159	7.51	0.02	7.53	30.00	30.00	Pass
11ac(VHT80)	CH155	4.82	0.01	4.83	30.00	30.00	Pass
11ax(HE20)(SU)	CH149	9.90	0.02	9.92	30.00	30.00	Pass
11ax(HE20)(SU)	CH157	9.80	0.02	9.82	30.00	30.00	Pass
11ax(HE20)(SU)	CH165	9.88	0.02	9.90	30.00	30.00	Pass
11ax(HE40)(SU)	CH151	7.67	0.01	7.68	30.00	30.00	Pass
11ax(HE40)(SU)	CH159	7.58	0.01	7.59	30.00	30.00	Pass
11ax(HE80)(SU)	CH155	4.78	0.01	4.79	30.00	30.00	Pass

MIMO-ANT0

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	3.94	0.04	3.98	11.00	Pass
11a	CH44	3.78	0.04	3.82	11.00	Pass
11a	CH48	3.96	0.04	4.00	11.00	Pass
11n(HT20)	CH36	4.10	0.01	4.11	11.00	Pass
11n(HT20)	CH44	4.04	0.01	4.05	11.00	Pass
11n(HT20)	CH48	4.19	0.01	4.20	11.00	Pass
11n(HT40)	CH38	4.24	0.02	4.26	11.00	Pass
11n(HT40)	CH46	4.04	0.02	4.06	11.00	Pass
11ac(VHT20)	CH36	4.05	0.01	4.06	11.00	Pass
11ac(VHT20)	CH44	4.00	0.01	4.01	11.00	Pass
11ac(VHT20)	CH48	4.20	0.01	4.21	11.00	Pass
11ac(VHT40)	CH38	4.22	0.02	4.24	11.00	Pass
11ac(VHT40)	CH46	4.08	0.02	4.10	11.00	Pass
11ac(VHT80)	CH42	3.52	0.01	3.53	11.00	Pass
11ac(VHT160)	CH50	-1.57	0.02	-1.55	11.00	Pass
11ax(HE20)(SU)	CH36	4.04	0.01	4.05	11.00	Pass
11ax(HE20)(SU)	CH44	4.07	0.01	4.08	11.00	Pass
11ax(HE20)(SU)	CH48	4.20	0.01	4.21	11.00	Pass
11ax(HE40)(SU)	CH38	4.04	0.02	4.06	11.00	Pass
11ax(HE40)(SU)	CH46	3.91	0.02	3.93	11.00	Pass
11ax(HE80)(SU)	CH42	2.81	0.01	2.82	11.00	Pass
11ax(HE160)(SU)	CH50	-1.41	0.02	-1.39	11.00	Pass

U-NII-2A (5250 - 5350 MHz)							
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH52	7.94	0.04	7.98	11.00	11.00	Pass
11a	CH60	8.13	0.04	8.17	11.00	11.00	Pass
11a	CH64	8.11	0.04	8.15	11.00	11.00	Pass
11n(HT20)	CH52	7.79	0.01	7.80	11.00	11.00	Pass
11n(HT20)	CH60	8.17	0.01	8.18	11.00	11.00	Pass
11n(HT20)	CH64	8.11	0.01	8.12	11.00	11.00	Pass
11n(HT40)	CH54	6.60	0.02	6.62	11.00	11.00	Pass
11n(HT40)	CH62	6.48	0.02	6.50	11.00	11.00	Pass
11ac(VHT20)	CH52	8.25	0.01	8.26	11.00	11.00	Pass
11ac(VHT20)	CH60	8.16	0.01	8.17	11.00	11.00	Pass
11ac(VHT20)	CH64	8.10	0.01	8.11	11.00	11.00	Pass
11ac(VHT40)	CH54	6.59	0.02	6.61	11.00	11.00	Pass
11ac(VHT40)	CH62	6.50	0.02	6.52	11.00	11.00	Pass
11ac(VHT80)	CH58	2.42	0.01	2.43	11.00	11.00	Pass
11ax(HE20)(SU)	CH52	8.35	0.02	8.37	11.00	11.00	Pass
11ax(HE20)(SU)	CH60	8.26	0.02	8.28	11.00	11.00	Pass
11ax(HE20)(SU)	CH64	8.17	0.02	8.19	11.00	11.00	Pass
11ax(HE40)(SU)	CH54	6.19	0.01	6.20	11.00	11.00	Pass
11ax(HE40)(SU)	CH62	4.90	0.01	4.91	11.00	11.00	Pass
11ax(HE80)(SU)	CH58	2.38	0.02	2.40	11.00	11.00	Pass

U-NII-2C (5470 - 5725 MHz)							
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH100	7.77	0.04	7.81	11.00	11.00	Pass
11a	CH116	8.11	0.04	8.15	11.00	11.00	Pass
11a	CH140	7.79	0.04	7.83	11.00	11.00	Pass
11n(HT20)	CH100	7.76	0.01	7.77	11.00	11.00	Pass
11n(HT20)	CH116	8.02	0.01	8.03	11.00	11.00	Pass
11n(HT20)	CH140	7.68	0.01	7.69	11.00	11.00	Pass
11n(HT40)	CH102	6.54	0.02	6.56	11.00	11.00	Pass
11n(HT40)	CH118	6.78	0.02	6.80	11.00	11.00	Pass
11n(HT40)	CH134	6.69	0.02	6.71	11.00	11.00	Pass
11ac(VHT20)	CH100	7.80	0.01	7.81	11.00	11.00	Pass
11ac(VHT20)	CH116	7.99	0.01	8.00	11.00	11.00	Pass
11ac(VHT20)	CH140	7.66	0.01	7.67	11.00	11.00	Pass
11ac(VHT40)	CH102	6.62	0.02	6.64	11.00	11.00	Pass
11ac(VHT40)	CH118	6.75	0.02	6.77	11.00	11.00	Pass
11ac(VHT40)	CH134	6.61	0.02	6.63	11.00	11.00	Pass
11ac(VHT80)	CH106	2.58	0.01	2.59	11.00	11.00	Pass
11ac(VHT80)	CH122	5.10	0.01	5.11	11.00	11.00	Pass
11ac(VHT160)	CH114	-1.96	0.02	-1.94	11.00	11.00	Pass
11ax(HE20)(SU)	CH100	7.84	0.02	7.86	11.00	11.00	Pass
11ax(HE20)(SU)	CH116	8.11	0.02	8.13	11.00	11.00	Pass
11ax(HE20)(SU)	CH140	7.73	0.02	7.75	11.00	11.00	Pass
11ax(HE40)(SU)	CH102	6.30	0.01	6.31	11.00	11.00	Pass
11ax(HE40)(SU)	CH118	6.54	0.01	6.55	11.00	11.00	Pass
11ax(HE40)(SU)	CH134	6.28	0.01	6.29	11.00	11.00	Pass
11ax(HE80)(SU)	CH106	1.99	0.01	2.00	11.00	11.00	Pass
11ax(HE80)(SU)	CH122	5.80	0.01	5.81	11.00	11.00	Pass
11ax(HE160)(SU)	CH114	-1.66	0.02	-1.64	11.00	11.00	Pass

U-NII-3 (5725 - 5850 MHz)							
Mode	Channel	Measured PSD (dBm/500 kHz)	Duty Factor	PSD (dBm/500 kHz)	FCC Limit (dBm/500 kHz)	IC Limit (dBm/500 kHz)	Verdict
11a	CH149	11.22	0.04	11.26	30.00	30.00	Pass
11a	CH157	11.08	0.04	11.12	30.00	30.00	Pass
11a	CH165	11.11	0.04	11.15	30.00	30.00	Pass
11n(HT20)	CH149	10.57	0.01	10.58	30.00	30.00	Pass
11n(HT20)	CH157	10.57	0.01	10.58	30.00	30.00	Pass
11n(HT20)	CH165	10.76	0.01	10.77	30.00	30.00	Pass
11n(HT40)	CH151	6.12	0.02	6.14	30.00	30.00	Pass
11n(HT40)	CH159	7.48	0.02	7.50	30.00	30.00	Pass
11ac(VHT20)	CH149	10.55	0.01	10.56	30.00	30.00	Pass
11ac(VHT20)	CH157	10.48	0.01	10.49	30.00	30.00	Pass
11ac(VHT20)	CH165	10.65	0.01	10.66	30.00	30.00	Pass
11ac(VHT40)	CH151	6.22	0.02	6.24	30.00	30.00	Pass
11ac(VHT40)	CH159	7.12	0.02	7.14	30.00	30.00	Pass
11ac(VHT80)	CH155	2.14	0.01	2.15	30.00	30.00	Pass
11ax(HE20)(SU)	CH149	10.59	0.02	10.61	30.00	30.00	Pass
11ax(HE20)(SU)	CH157	10.39	0.02	10.41	30.00	30.00	Pass
11ax(HE20)(SU)	CH165	10.58	0.02	10.60	30.00	30.00	Pass
11ax(HE40)(SU)	CH151	5.83	0.01	5.84	30.00	30.00	Pass
11ax(HE40)(SU)	CH159	6.41	0.01	6.42	30.00	30.00	Pass
11ax(HE80)(SU)	CH155	1.75	0.01	1.76	30.00	30.00	Pass

MIMO-ANT1

U-NII-1 (5150 - 5250 MHz)						
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	2.91	0.04	2.95	11.00	Pass
11a	CH44	2.81	0.04	2.85	11.00	Pass
11a	CH48	2.65	0.04	2.70	11.00	Pass
11n(HT20)	CH36	3.13	0.01	3.14	11.00	Pass
11n(HT20)	CH44	3.15	0.01	3.16	11.00	Pass
11n(HT20)	CH48	3.07	0.01	3.08	11.00	Pass
11n(HT40)	CH38	2.96	0.02	2.97	11.00	Pass
11n(HT40)	CH46	2.54	0.02	2.56	11.00	Pass
11ac(VHT20)	CH36	3.15	0.01	3.16	11.00	Pass
11ac(VHT20)	CH44	3.18	0.01	3.19	11.00	Pass
11ac(VHT20)	CH48	3.08	0.01	3.09	11.00	Pass
11ac(VHT40)	CH38	2.99	0.02	3.01	11.00	Pass
11ac(VHT40)	CH46	2.60	0.02	2.62	11.00	Pass
11ac(VHT80)	CH42	2.34	0.01	2.35	11.00	Pass
11ac(VHT160)	CH50	-2.96	0.02	-2.94	11.00	Pass
11ax(HE20)(SU)	CH36	3.33	0.01	3.34	11.00	Pass
11ax(HE20)(SU)	CH44	3.37	0.01	3.38	11.00	Pass
11ax(HE20)(SU)	CH48	3.26	0.01	3.27	11.00	Pass
11ax(HE40)(SU)	CH38	3.00	0.02	3.02	11.00	Pass
11ax(HE40)(SU)	CH46	2.63	0.02	2.65	11.00	Pass
11ax(HE80)(SU)	CH42	1.68	0.01	1.69	11.00	Pass
11ax(HE160)(SU)	CH50	-2.87	0.02	-2.85	11.00	Pass

U-NII-2A (5250 - 5350 MHz)							
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH52	6.57	0.04	6.61	11.00	11.00	Pass
11a	CH60	7.08	0.04	7.12	11.00	11.00	Pass
11a	CH64	6.99	0.04	7.03	11.00	11.00	Pass
11n(HT20)	CH52	6.54	0.01	6.55	11.00	11.00	Pass
11n(HT20)	CH60	7.10	0.01	7.11	11.00	11.00	Pass
11n(HT20)	CH64	6.99	0.01	7.00	11.00	11.00	Pass
11n(HT40)	CH54	5.11	0.02	5.13	11.00	11.00	Pass
11n(HT40)	CH62	5.20	0.02	5.22	11.00	11.00	Pass
11ac(VHT20)	CH52	7.06	0.01	7.07	11.00	11.00	Pass
11ac(VHT20)	CH60	7.06	0.01	7.07	11.00	11.00	Pass
11ac(VHT20)	CH64	7.01	0.01	7.02	11.00	11.00	Pass
11ac(VHT40)	CH54	5.16	0.02	5.18	11.00	11.00	Pass
11ac(VHT40)	CH62	5.20	0.02	5.22	11.00	11.00	Pass
11ac(VHT80)	CH58	1.10	0.01	1.11	11.00	11.00	Pass
11ax(HE20)(SU)	CH52	7.17	0.02	7.19	11.00	11.00	Pass
11ax(HE20)(SU)	CH60	7.20	0.02	7.22	11.00	11.00	Pass
11ax(HE20)(SU)	CH64	7.13	0.02	7.15	11.00	11.00	Pass
11ax(HE40)(SU)	CH54	4.76	0.01	4.77	11.00	11.00	Pass
11ax(HE40)(SU)	CH62	3.80	0.01	3.81	11.00	11.00	Pass
11ax(HE80)(SU)	CH58	1.00	0.02	1.02	11.00	11.00	Pass

U-NII-2C (5470 - 5725 MHz)							
Mode	Channel	Measured PSD (dBm/MHz)	Duty Factor	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH100	6.85	0.04	6.89	11.00	11.00	Pass
11a	CH116	6.90	0.04	6.94	11.00	11.00	Pass
11a	CH140	6.86	0.04	6.90	11.00	11.00	Pass
11n(HT20)	CH100	6.77	0.01	6.78	11.00	11.00	Pass
11n(HT20)	CH116	6.76	0.01	6.77	11.00	11.00	Pass
11n(HT20)	CH140	6.83	0.01	6.84	11.00	11.00	Pass
11n(HT40)	CH102	5.68	0.02	5.70	11.00	11.00	Pass
11n(HT40)	CH118	5.52	0.02	5.54	11.00	11.00	Pass
11n(HT40)	CH134	5.54	0.02	5.56	11.00	11.00	Pass
11ac(VHT20)	CH100	6.76	0.01	6.77	11.00	11.00	Pass
11ac(VHT20)	CH116	6.81	0.01	6.82	11.00	11.00	Pass
11ac(VHT20)	CH140	6.79	0.01	6.80	11.00	11.00	Pass
11ac(VHT40)	CH102	5.64	0.02	5.66	11.00	11.00	Pass
11ac(VHT40)	CH118	5.55	0.02	5.57	11.00	11.00	Pass
11ac(VHT40)	CH134	5.51	0.02	5.53	11.00	11.00	Pass
11ac(VHT80)	CH106	1.84	0.01	1.85	11.00	11.00	Pass
11ac(VHT80)	CH122	4.59	0.01	4.60	11.00	11.00	Pass
11ac(VHT160)	CH114	-2.93	0.02	-2.91	11.00	11.00	Pass
11ax(HE20)(SU)	CH100	6.89	0.02	6.91	11.00	11.00	Pass
11ax(HE20)(SU)	CH116	6.89	0.02	6.91	11.00	11.00	Pass
11ax(HE20)(SU)	CH140	6.86	0.02	6.88	11.00	11.00	Pass
11ax(HE40)(SU)	CH102	5.16	0.01	5.17	11.00	11.00	Pass
11ax(HE40)(SU)	CH118	5.12	0.01	5.13	11.00	11.00	Pass
11ax(HE40)(SU)	CH134	5.14	0.01	5.15	11.00	11.00	Pass
11ax(HE80)(SU)	CH106	1.08	0.01	1.09	11.00	11.00	Pass
11ax(HE80)(SU)	CH122	4.60	0.01	4.61	11.00	11.00	Pass
11ax(HE160)(SU)	CH114	-2.97	0.02	-2.95	11.00	11.00	Pass

U-NII-3 (5725 - 5850 MHz)							
Mode	Channel	Measured PSD (dBm/500 kHz)	Duty Factor	PSD (dBm/500 kHz)	FCC Limit (dBm/500 kHz)	IC Limit (dBm/500 kHz)	Verdict
11a	CH149	9.60	0.04	9.64	30.00	30.00	Pass
11a	CH157	9.62	0.04	9.66	30.00	30.00	Pass
11a	CH165	10.14	0.04	10.18	30.00	30.00	Pass
11n(HT20)	CH149	8.95	0.01	8.96	30.00	30.00	Pass
11n(HT20)	CH157	9.02	0.01	9.03	30.00	30.00	Pass
11n(HT20)	CH165	9.61	0.01	9.62	30.00	30.00	Pass
11n(HT40)	CH151	5.01	0.02	5.03	30.00	30.00	Pass
11n(HT40)	CH159	6.13	0.02	6.15	30.00	30.00	Pass
11ac(VHT20)	CH149	8.89	0.01	8.90	30.00	30.00	Pass
11ac(VHT20)	CH157	9.01	0.01	9.02	30.00	30.00	Pass
11ac(VHT20)	CH165	9.58	0.01	9.59	30.00	30.00	Pass
11ac(VHT40)	CH151	4.80	0.02	4.82	30.00	30.00	Pass
11ac(VHT40)	CH159	5.78	0.02	5.80	30.00	30.00	Pass
11ac(VHT80)	CH155	1.19	0.01	1.20	30.00	30.00	Pass
11ax(HE20)(SU)	CH149	8.95	0.02	8.97	30.00	30.00	Pass
11ax(HE20)(SU)	CH157	9.09	0.02	9.11	30.00	30.00	Pass
11ax(HE20)(SU)	CH165	9.50	0.02	9.52	30.00	30.00	Pass
11ax(HE40)(SU)	CH151	4.43	0.01	4.44	30.00	30.00	Pass
11ax(HE40)(SU)	CH159	4.79	0.01	4.80	30.00	30.00	Pass
11ax(HE80)(SU)	CH155	0.72	0.01	0.73	30.00	30.00	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	6.46	11.00	Pass
11a	CH44	6.33	11.00	Pass
11a	CH48	6.36	11.00	Pass
11n(HT20)	CH36	6.65	11.00	Pass
11n(HT20)	CH44	6.63	11.00	Pass
11n(HT20)	CH48	6.67	11.00	Pass
11n(HT40)	CH38	6.65	11.00	Pass
11n(HT40)	CH46	6.37	11.00	Pass
11ac(VHT20)	CH36	6.63	11.00	Pass
11ac(VHT20)	CH44	6.62	11.00	Pass
11ac(VHT20)	CH48	6.69	11.00	Pass
11ac(VHT40)	CH38	6.66	11.00	Pass
11ac(VHT40)	CH46	6.41	11.00	Pass
11ac(VHT80)	CH42	5.98	11.00	Pass
11ac(VHT160)	CH50	0.80	11.00	Pass
11ax(HE20)(SU)	CH36	6.71	11.00	Pass
11ax(HE20)(SU)	CH44	6.74	11.00	Pass
11ax(HE20)(SU)	CH48	6.76	11.00	Pass
11ax(HE40)(SU)	CH38	6.56	11.00	Pass
11ax(HE40)(SU)	CH46	6.33	11.00	Pass
11ax(HE80)(SU)	CH42	5.29	11.00	Pass
11ax(HE160)(SU)	CH50	0.94	11.00	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH52	10.32	11.00	11.00	Pass
11a	CH60	10.64	11.00	11.00	Pass
11a	CH64	10.60	11.00	11.00	Pass
11n(HT20)	CH52	10.22	11.00	11.00	Pass
11n(HT20)	CH60	10.67	11.00	11.00	Pass
11n(HT20)	CH64	10.59	11.00	11.00	Pass
11n(HT40)	CH54	8.93	11.00	11.00	Pass
11n(HT40)	CH62	8.90	11.00	11.00	Pass
11ac(VHT20)	CH52	10.71	11.00	11.00	Pass
11ac(VHT20)	CH60	10.65	11.00	11.00	Pass
11ac(VHT20)	CH64	10.60	11.00	11.00	Pass
11ac(VHT40)	CH54	8.94	11.00	11.00	Pass
11ac(VHT40)	CH62	8.91	11.00	11.00	Pass
11ac(VHT80)	CH58	4.82	11.00	11.00	Pass
11ax(HE20)(SU)	CH52	10.81	11.00	11.00	Pass
11ax(HE20)(SU)	CH60	10.77	11.00	11.00	Pass
11ax(HE20)(SU)	CH64	10.69	11.00	11.00	Pass
11ax(HE40)(SU)	CH54	8.54	11.00	11.00	Pass
11ax(HE40)(SU)	CH62	7.40	11.00	11.00	Pass
11ax(HE80)(SU)	CH58	4.76	11.00	11.00	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)	Verdict
11a	CH100	10.34	11.00	11.00	Pass
11a	CH116	10.56	11.00	11.00	Pass
11a	CH140	10.36	11.00	11.00	Pass
11n(HT20)	CH100	10.31	11.00	11.00	Pass
11n(HT20)	CH116	10.45	11.00	11.00	Pass
11n(HT20)	CH140	10.28	11.00	11.00	Pass
11n(HT40)	CH102	9.14	11.00	11.00	Pass
11n(HT40)	CH118	9.20	11.00	11.00	Pass
11n(HT40)	CH134	9.16	11.00	11.00	Pass
11ac(VHT20)	CH100	10.32	11.00	11.00	Pass
11ac(VHT20)	CH116	10.45	11.00	11.00	Pass
11ac(VHT20)	CH140	10.25	11.00	11.00	Pass
11ac(VHT40)	CH102	9.17	11.00	11.00	Pass
11ac(VHT40)	CH118	9.20	11.00	11.00	Pass
11ac(VHT40)	CH134	9.10	11.00	11.00	Pass
11ac(VHT80)	CH106	5.23	11.00	11.00	Pass
11ac(VHT80)	CH122	7.86	11.00	11.00	Pass
11ac(VHT160)	CH114	0.59	11.00	11.00	Pass
11ax(HE20)(SU)	CH100	10.40	11.00	11.00	Pass
11ax(HE20)(SU)	CH116	10.55	11.00	11.00	Pass
11ax(HE20)(SU)	CH140	10.32	11.00	11.00	Pass
11ax(HE40)(SU)	CH102	8.78	11.00	11.00	Pass
11ax(HE40)(SU)	CH118	8.90	11.00	11.00	Pass
11ax(HE40)(SU)	CH134	8.76	11.00	11.00	Pass
11ax(HE80)(SU)	CH106	4.57	11.00	11.00	Pass
11ax(HE80)(SU)	CH122	8.25	11.00	11.00	Pass
11ax(HE160)(SU)	CH114	0.74	11.00	11.00	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	PSD (dBm/500kHz)	FCC Limit (dBm/500kHz)	IC Limit (dBm/500kHz)	Verdict
11a	CH149	13.50	30.00	30.00	Pass
11a	CH157	13.42	30.00	30.00	Pass
11a	CH165	13.66	30.00	30.00	Pass
11n(HT20)	CH149	12.85	30.00	30.00	Pass
11n(HT20)	CH157	12.87	30.00	30.00	Pass
11n(HT20)	CH165	13.23	30.00	30.00	Pass
11n(HT40)	CH151	8.61	30.00	30.00	Pass
11n(HT40)	CH159	9.87	30.00	30.00	Pass
11ac(VHT20)	CH149	12.81	30.00	30.00	Pass
11ac(VHT20)	CH157	12.82	30.00	30.00	Pass
11ac(VHT20)	CH165	13.15	30.00	30.00	Pass
11ac(VHT40)	CH151	8.58	30.00	30.00	Pass
11ac(VHT40)	CH159	9.51	30.00	30.00	Pass
11ac(VHT80)	CH155	4.70	30.00	30.00	Pass
11ax(HE20)(SU)	CH149	12.86	30.00	30.00	Pass
11ax(HE20)(SU)	CH157	12.80	30.00	30.00	Pass
11ax(HE20)(SU)	CH165	13.08	30.00	30.00	Pass
11ax(HE40)(SU)	CH151	8.19	30.00	30.00	Pass
11ax(HE40)(SU)	CH159	8.69	30.00	30.00	Pass
11ax(HE80)(SU)	CH155	4.27	30.00	30.00	Pass

E.I.R.PSISO-ANT0

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	8.86	10.00	Pass
11a	CH44	9.31	10.00	Pass
11a	CH48	9.28	10.00	Pass
11n(HT20)	CH36	8.85	10.00	Pass
11n(HT20)	CH44	9.08	10.00	Pass
11n(HT20)	CH48	9.14	10.00	Pass
11n(HT40)	CH38	8.47	10.00	Pass
11n(HT40)	CH46	8.98	10.00	Pass
11ac(VHT20)	CH36	9.27	10.00	Pass
11ac(VHT20)	CH44	9.01	10.00	Pass
11ac(VHT20)	CH48	9.14	10.00	Pass
11ac(VHT40)	CH38	8.76	10.00	Pass
11ac(VHT40)	CH46	8.91	10.00	Pass
11ac(VHT80)	CH42	8.95	10.00	Pass
11ac(VHT160)	CH50	3.34	10.00	Pass
11ax(HE20)(SU)	CH36	9.37	10.00	Pass
11ax(HE20)(SU)	CH44	9.18	10.00	Pass
11ax(HE20)(SU)	CH48	9.23	10.00	Pass
11ax(HE40)(SU)	CH38	7.84	10.00	Pass
11ax(HE40)(SU)	CH46	8.54	10.00	Pass
11ax(HE80)(SU)	CH42	8.96	10.00	Pass
11ax(HE160)(SU)	CH50	4.02	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH52	12.42	Pass
11a	CH60	12.92	Pass
11a	CH64	12.91	Pass
11n(HT20)	CH52	12.36	Pass
11n(HT20)	CH60	12.82	Pass
11n(HT20)	CH64	12.83	Pass
11n(HT40)	CH54	11.24	Pass
11n(HT40)	CH62	11.24	Pass
11ac(VHT20)	CH52	12.92	Pass
11ac(VHT20)	CH60	12.81	Pass
11ac(VHT20)	CH64	12.81	Pass
11ac(VHT40)	CH54	11.27	Pass
11ac(VHT40)	CH62	11.92	Pass
11ac(VHT80)	CH58	7.43	Pass
11ax(HE20)(SU)	CH52	13.01	Pass
11ax(HE20)(SU)	CH60	12.95	Pass
11ax(HE20)(SU)	CH64	12.98	Pass
11ax(HE40)(SU)	CH54	10.94	Pass
11ax(HE40)(SU)	CH62	10.02	Pass
11ax(HE80)(SU)	CH58	7.39	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH100	13.31	Pass
11a	CH116	13.27	Pass
11a	CH140	13.34	Pass
11n(HT20)	CH100	13.28	Pass
11n(HT20)	CH116	13.27	Pass
11n(HT20)	CH140	13.32	Pass
11n(HT40)	CH102	12.26	Pass
11n(HT40)	CH118	12.18	Pass
11n(HT40)	CH134	11.68	Pass
11ac(VHT20)	CH100	13.26	Pass
11ac(VHT20)	CH116	13.23	Pass
11ac(VHT20)	CH140	13.25	Pass
11ac(VHT40)	CH102	12.19	Pass
11ac(VHT40)	CH118	12.22	Pass
11ac(VHT40)	CH134	11.63	Pass
11ac(VHT80)	CH106	8.38	Pass
11ac(VHT80)	CH122	10.89	Pass
11ac(VHT160)	CH114	4.60	Pass
11ax(HE20)(SU)	CH100	13.35	Pass
11ax(HE20)(SU)	CH116	13.35	Pass
11ax(HE20)(SU)	CH140	13.38	Pass
11ax(HE40)(SU)	CH102	11.85	Pass
11ax(HE40)(SU)	CH118	11.76	Pass
11ax(HE40)(SU)	CH134	11.24	Pass
11ax(HE80)(SU)	CH106	8.32	Pass
11ax(HE80)(SU)	CH122	10.96	Pass
11ax(HE160)(SU)	CH114	3.98	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	13.98	Pass
11a	CH157	13.92	Pass
11a	CH165	14.11	Pass
11n(HT20)	CH149	13.38	Pass
11n(HT20)	CH157	13.31	Pass
11n(HT20)	CH165	13.48	Pass
11n(HT40)	CH151	10.66	Pass
11n(HT40)	CH159	10.64	Pass
11ac(VHT20)	CH149	13.29	Pass
11ac(VHT20)	CH157	13.31	Pass
11ac(VHT20)	CH165	13.49	Pass
11ac(VHT40)	CH151	10.64	Pass
11ac(VHT40)	CH159	10.67	Pass
11ac(VHT80)	CH155	7.93	Pass
11ax(HE20)(SU)	CH149	13.36	Pass
11ax(HE20)(SU)	CH157	13.35	Pass
11ax(HE20)(SU)	CH165	13.47	Pass
11ax(HE40)(SU)	CH151	10.49	Pass
11ax(HE40)(SU)	CH159	10.63	Pass
11ax(HE80)(SU)	CH155	7.63	Pass

SISO-ANT1

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	9.31	10.00	Pass
11a	CH44	9.10	10.00	Pass
11a	CH48	9.71	10.00	Pass
11n(HT20)	CH36	9.36	10.00	Pass
11n(HT20)	CH44	9.10	10.00	Pass
11n(HT20)	CH48	9.15	10.00	Pass
11n(HT40)	CH38	9.28	10.00	Pass
11n(HT40)	CH46	9.18	10.00	Pass
11ac(VHT20)	CH36	9.25	10.00	Pass
11ac(VHT20)	CH44	9.15	10.00	Pass
11ac(VHT20)	CH48	9.20	10.00	Pass
11ac(VHT40)	CH38	9.29	10.00	Pass
11ac(VHT40)	CH46	9.16	10.00	Pass
11ac(VHT80)	CH42	8.77	10.00	Pass
11ac(VHT160)	CH50	3.61	10.00	Pass
11ax(HE20)(SU)	CH36	9.37	10.00	Pass
11ax(HE20)(SU)	CH44	9.16	10.00	Pass
11ax(HE20)(SU)	CH48	9.22	10.00	Pass
11ax(HE40)(SU)	CH38	8.78	10.00	Pass
11ax(HE40)(SU)	CH46	9.26	10.00	Pass
11ax(HE80)(SU)	CH42	7.91	10.00	Pass
11ax(HE160)(SU)	CH50	3.50	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH52	12.60	Pass
11a	CH60	12.51	Pass
11a	CH64	12.63	Pass
11n(HT20)	CH52	11.93	Pass
11n(HT20)	CH60	12.09	Pass
11n(HT20)	CH64	12.84	Pass
11n(HT40)	CH54	11.99	Pass
11n(HT40)	CH62	11.93	Pass
11ac(VHT20)	CH52	12.82	Pass
11ac(VHT20)	CH60	12.67	Pass
11ac(VHT20)	CH64	12.82	Pass
11ac(VHT40)	CH54	11.47	Pass
11ac(VHT40)	CH62	11.42	Pass
11ac(VHT80)	CH58	7.09	Pass
11ax(HE20)(SU)	CH52	12.84	Pass
11ax(HE20)(SU)	CH60	12.75	Pass
11ax(HE20)(SU)	CH64	12.91	Pass
11ax(HE40)(SU)	CH54	10.62	Pass
11ax(HE40)(SU)	CH62	9.76	Pass
11ax(HE80)(SU)	CH58	7.01	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH100	13.14	Pass
11a	CH116	12.90	Pass
11a	CH140	12.74	Pass
11n(HT20)	CH100	13.42	Pass
11n(HT20)	CH116	13.11	Pass
11n(HT20)	CH140	13.01	Pass
11n(HT40)	CH102	11.70	Pass
11n(HT40)	CH118	11.85	Pass
11n(HT40)	CH134	11.79	Pass
11ac(VHT20)	CH100	13.38	Pass
11ac(VHT20)	CH116	13.10	Pass
11ac(VHT20)	CH140	13.04	Pass
11ac(VHT40)	CH102	11.65	Pass
11ac(VHT40)	CH118	11.84	Pass
11ac(VHT40)	CH134	11.81	Pass
11ac(VHT80)	CH106	8.72	Pass
11ac(VHT80)	CH122	10.42	Pass
11ac(VHT160)	CH114	4.01	Pass
11ax(HE20)(SU)	CH100	13.44	Pass
11ax(HE20)(SU)	CH116	13.19	Pass
11ax(HE20)(SU)	CH140	13.13	Pass
11ax(HE40)(SU)	CH102	11.59	Pass
11ax(HE40)(SU)	CH118	11.34	Pass
11ax(HE40)(SU)	CH134	11.37	Pass
11ax(HE80)(SU)	CH106	7.68	Pass
11ax(HE80)(SU)	CH122	10.41	Pass
11ax(HE160)(SU)	CH114	4.04	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	13.45	Pass
11a	CH157	13.28	Pass
11a	CH165	13.43	Pass
11n(HT20)	CH149	13.00	Pass
11n(HT20)	CH157	12.99	Pass
11n(HT20)	CH165	13.10	Pass
11n(HT40)	CH151	10.21	Pass
11n(HT40)	CH159	10.24	Pass
11ac(VHT20)	CH149	13.03	Pass
11ac(VHT20)	CH157	13.03	Pass
11ac(VHT20)	CH165	13.13	Pass
11ac(VHT40)	CH151	10.19	Pass
11ac(VHT40)	CH159	10.28	Pass
11ac(VHT80)	CH155	7.58	Pass
11ax(HE20)(SU)	CH149	12.67	Pass
11ax(HE20)(SU)	CH157	12.57	Pass
11ax(HE20)(SU)	CH165	12.65	Pass
11ax(HE40)(SU)	CH151	10.43	Pass
11ax(HE40)(SU)	CH159	10.34	Pass
11ax(HE80)(SU)	CH155	7.54	Pass

MIMO-ANT0

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	6.63	10.00	Pass
11a	CH44	6.47	10.00	Pass
11a	CH48	6.65	10.00	Pass
11n(HT20)	CH36	6.76	10.00	Pass
11n(HT20)	CH44	6.70	10.00	Pass
11n(HT20)	CH48	6.85	10.00	Pass
11n(HT40)	CH38	6.91	10.00	Pass
11n(HT40)	CH46	6.71	10.00	Pass
11ac(VHT20)	CH36	6.71	10.00	Pass
11ac(VHT20)	CH44	6.66	10.00	Pass
11ac(VHT20)	CH48	6.86	10.00	Pass
11ac(VHT40)	CH38	6.89	10.00	Pass
11ac(VHT40)	CH46	6.75	10.00	Pass
11ac(VHT80)	CH42	6.18	10.00	Pass
11ac(VHT160)	CH50	1.10	10.00	Pass
11ax(HE20)(SU)	CH36	6.70	10.00	Pass
11ax(HE20)(SU)	CH44	6.73	10.00	Pass
11ax(HE20)(SU)	CH48	6.86	10.00	Pass
11ax(HE40)(SU)	CH38	6.71	10.00	Pass
11ax(HE40)(SU)	CH46	6.58	10.00	Pass
11ax(HE80)(SU)	CH42	5.47	10.00	Pass
11ax(HE160)(SU)	CH50	1.26	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH52	10.37	Pass
11a	CH60	10.56	Pass
11a	CH64	10.54	Pass
11n(HT20)	CH52	10.19	Pass
11n(HT20)	CH60	10.57	Pass
11n(HT20)	CH64	10.51	Pass
11n(HT40)	CH54	9.01	Pass
11n(HT40)	CH62	8.89	Pass
11ac(VHT20)	CH52	10.65	Pass
11ac(VHT20)	CH60	10.56	Pass
11ac(VHT20)	CH64	10.50	Pass
11ac(VHT40)	CH54	9.00	Pass
11ac(VHT40)	CH62	8.91	Pass
11ac(VHT80)	CH58	4.82	Pass
11ax(HE20)(SU)	CH52	10.76	Pass
11ax(HE20)(SU)	CH60	10.67	Pass
11ax(HE20)(SU)	CH64	10.58	Pass
11ax(HE40)(SU)	CH54	8.59	Pass
11ax(HE40)(SU)	CH62	7.30	Pass
11ax(HE80)(SU)	CH58	4.79	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH100	10.76	Pass
11a	CH116	11.10	Pass
11a	CH140	10.78	Pass
11n(HT20)	CH100	10.72	Pass
11n(HT20)	CH116	10.98	Pass
11n(HT20)	CH140	10.64	Pass
11n(HT40)	CH102	9.51	Pass
11n(HT40)	CH118	9.75	Pass
11n(HT40)	CH134	9.66	Pass
11ac(VHT20)	CH100	10.76	Pass
11ac(VHT20)	CH116	10.95	Pass
11ac(VHT20)	CH140	10.62	Pass
11ac(VHT40)	CH102	9.59	Pass
11ac(VHT40)	CH118	9.72	Pass
11ac(VHT40)	CH134	9.58	Pass
11ac(VHT80)	CH106	5.54	Pass
11ac(VHT80)	CH122	8.06	Pass
11ac(VHT160)	CH114	1.01	Pass
11ax(HE20)(SU)	CH100	10.81	Pass
11ax(HE20)(SU)	CH116	11.08	Pass
11ax(HE20)(SU)	CH140	10.70	Pass
11ax(HE40)(SU)	CH102	9.26	Pass
11ax(HE40)(SU)	CH118	9.50	Pass
11ax(HE40)(SU)	CH134	9.24	Pass
11ax(HE80)(SU)	CH106	4.95	Pass
11ax(HE80)(SU)	CH122	8.76	Pass
11ax(HE160)(SU)	CH114	1.31	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	14.18	Pass
11a	CH157	14.04	Pass
11a	CH165	14.07	Pass
11n(HT20)	CH149	13.50	Pass
11n(HT20)	CH157	13.50	Pass
11n(HT20)	CH165	13.69	Pass
11n(HT40)	CH151	9.06	Pass
11n(HT40)	CH159	10.42	Pass
11ac(VHT20)	CH149	13.48	Pass
11ac(VHT20)	CH157	13.41	Pass
11ac(VHT20)	CH165	13.58	Pass
11ac(VHT40)	CH151	9.16	Pass
11ac(VHT40)	CH159	10.06	Pass
11ac(VHT80)	CH155	5.07	Pass
11ax(HE20)(SU)	CH149	13.53	Pass
11ax(HE20)(SU)	CH157	13.33	Pass
11ax(HE20)(SU)	CH165	13.52	Pass
11ax(HE40)(SU)	CH151	8.76	Pass
11ax(HE40)(SU)	CH159	9.34	Pass
11ax(HE80)(SU)	CH155	4.68	Pass

MIMO-ANT1

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	5.67	10.00	Pass
11a	CH44	5.57	10.00	Pass
11a	CH48	5.42	10.00	Pass
11n(HT20)	CH36	5.86	10.00	Pass
11n(HT20)	CH44	5.88	10.00	Pass
11n(HT20)	CH48	5.80	10.00	Pass
11n(HT40)	CH38	5.69	10.00	Pass
11n(HT40)	CH46	5.28	10.00	Pass
11ac(VHT20)	CH36	5.88	10.00	Pass
11ac(VHT20)	CH44	5.91	10.00	Pass
11ac(VHT20)	CH48	5.81	10.00	Pass
11ac(VHT40)	CH38	5.73	10.00	Pass
11ac(VHT40)	CH46	5.34	10.00	Pass
11ac(VHT80)	CH42	5.07	10.00	Pass
11ac(VHT160)	CH50	-0.22	10.00	Pass
11ax(HE20)(SU)	CH36	6.06	10.00	Pass
11ax(HE20)(SU)	CH44	6.10	10.00	Pass
11ax(HE20)(SU)	CH48	5.99	10.00	Pass
11ax(HE40)(SU)	CH38	5.74	10.00	Pass
11ax(HE40)(SU)	CH46	5.37	10.00	Pass
11ax(HE80)(SU)	CH42	4.41	10.00	Pass
11ax(HE160)(SU)	CH50	-0.13	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH52	8.82	Pass
11a	CH60	9.33	Pass
11a	CH64	9.24	Pass
11n(HT20)	CH52	8.76	Pass
11n(HT20)	CH60	9.32	Pass
11n(HT20)	CH64	9.21	Pass
11n(HT40)	CH54	7.34	Pass
11n(HT40)	CH62	7.43	Pass
11ac(VHT20)	CH52	9.28	Pass
11ac(VHT20)	CH60	9.28	Pass
11ac(VHT20)	CH64	9.23	Pass
11ac(VHT40)	CH54	7.39	Pass
11ac(VHT40)	CH62	7.43	Pass
11ac(VHT80)	CH58	3.32	Pass
11ax(HE20)(SU)	CH52	9.40	Pass
11ax(HE20)(SU)	CH60	9.43	Pass
11ax(HE20)(SU)	CH64	9.36	Pass
11ax(HE40)(SU)	CH54	6.98	Pass
11ax(HE40)(SU)	CH62	6.02	Pass
11ax(HE80)(SU)	CH58	3.23	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH100	9.66	Pass
11a	CH116	9.71	Pass
11a	CH140	9.67	Pass
11n(HT20)	CH100	9.55	Pass
11n(HT20)	CH116	9.54	Pass
11n(HT20)	CH140	9.61	Pass
11n(HT40)	CH102	8.47	Pass
11n(HT40)	CH118	8.31	Pass
11n(HT40)	CH134	8.33	Pass
11ac(VHT20)	CH100	9.54	Pass
11ac(VHT20)	CH116	9.59	Pass
11ac(VHT20)	CH140	9.57	Pass
11ac(VHT40)	CH102	8.43	Pass
11ac(VHT40)	CH118	8.34	Pass
11ac(VHT40)	CH134	8.30	Pass
11ac(VHT80)	CH106	4.62	Pass
11ac(VHT80)	CH122	7.37	Pass
11ac(VHT160)	CH114	-0.14	Pass
11ax(HE20)(SU)	CH100	9.68	Pass
11ax(HE20)(SU)	CH116	9.68	Pass
11ax(HE20)(SU)	CH140	9.65	Pass
11ax(HE40)(SU)	CH102	7.94	Pass
11ax(HE40)(SU)	CH118	7.90	Pass
11ax(HE40)(SU)	CH134	7.92	Pass
11ax(HE80)(SU)	CH106	3.86	Pass
11ax(HE80)(SU)	CH122	7.38	Pass
11ax(HE160)(SU)	CH114	-0.18	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	12.39	Pass
11a	CH157	12.41	Pass
11a	CH165	12.93	Pass
11n(HT20)	CH149	11.71	Pass
11n(HT20)	CH157	11.78	Pass
11n(HT20)	CH165	12.37	Pass
11n(HT40)	CH151	7.78	Pass
11n(HT40)	CH159	8.90	Pass
11ac(VHT20)	CH149	11.65	Pass
11ac(VHT20)	CH157	11.77	Pass
11ac(VHT20)	CH165	12.34	Pass
11ac(VHT40)	CH151	7.57	Pass
11ac(VHT40)	CH159	8.55	Pass
11ac(VHT80)	CH155	3.95	Pass
11ax(HE20)(SU)	CH149	11.72	Pass
11ax(HE20)(SU)	CH157	11.86	Pass
11ax(HE20)(SU)	CH165	12.27	Pass
11ax(HE40)(SU)	CH151	7.19	Pass
11ax(HE40)(SU)	CH159	7.55	Pass
11ax(HE80)(SU)	CH155	3.48	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	E.I.R.P PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	9.19	10.00	Pass
11a	CH44	9.06	10.00	Pass
11a	CH48	9.09	10.00	Pass
11n(HT20)	CH36	9.34	10.00	Pass
11n(HT20)	CH44	9.32	10.00	Pass
11n(HT20)	CH48	9.37	10.00	Pass
11n(HT40)	CH38	9.35	10.00	Pass
11n(HT40)	CH46	9.07	10.00	Pass
11ac(VHT20)	CH36	9.32	10.00	Pass
11ac(VHT20)	CH44	9.31	10.00	Pass
11ac(VHT20)	CH48	9.38	10.00	Pass
11ac(VHT40)	CH38	9.36	10.00	Pass
11ac(VHT40)	CH46	9.11	10.00	Pass
11ac(VHT80)	CH42	8.67	10.00	Pass
11ac(VHT160)	CH50	3.50	10.00	Pass
11ax(HE20)(SU)	CH36	9.40	10.00	Pass
11ax(HE20)(SU)	CH44	9.44	10.00	Pass
11ax(HE20)(SU)	CH48	9.45	10.00	Pass
11ax(HE40)(SU)	CH38	9.26	10.00	Pass
11ax(HE40)(SU)	CH46	9.03	10.00	Pass
11ax(HE80)(SU)	CH42	7.98	10.00	Pass
11ax(HE160)(SU)	CH50	3.63	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH52	12.68	Pass
11a	CH60	13.00	Pass
11a	CH64	12.95	Pass
11n(HT20)	CH52	12.55	Pass
11n(HT20)	CH60	13.00	Pass
11n(HT20)	CH64	12.92	Pass
11n(HT40)	CH54	11.27	Pass
11n(HT40)	CH62	11.23	Pass
11ac(VHT20)	CH52	13.03	Pass
11ac(VHT20)	CH60	12.98	Pass
11ac(VHT20)	CH64	12.92	Pass
11ac(VHT40)	CH54	11.28	Pass
11ac(VHT40)	CH62	11.25	Pass
11ac(VHT80)	CH58	7.14	Pass
11ax(HE20)(SU)	CH52	13.14	Pass
11ax(HE20)(SU)	CH60	13.10	Pass
11ax(HE20)(SU)	CH64	13.02	Pass
11ax(HE40)(SU)	CH54	10.87	Pass
11ax(HE40)(SU)	CH62	9.72	Pass
11ax(HE80)(SU)	CH58	7.09	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/MHz)	Verdict
11a	CH100	13.25	Pass
11a	CH116	13.47	Pass
11a	CH140	13.27	Pass
11n(HT20)	CH100	13.19	Pass
11n(HT20)	CH116	13.33	Pass
11n(HT20)	CH140	13.16	Pass
11n(HT40)	CH102	12.03	Pass
11n(HT40)	CH118	12.10	Pass
11n(HT40)	CH134	12.06	Pass
11ac(VHT20)	CH100	13.20	Pass
11ac(VHT20)	CH116	13.33	Pass
11ac(VHT20)	CH140	13.13	Pass
11ac(VHT40)	CH102	12.06	Pass
11ac(VHT40)	CH118	12.10	Pass
11ac(VHT40)	CH134	11.99	Pass
11ac(VHT80)	CH106	8.11	Pass
11ac(VHT80)	CH122	10.74	Pass
11ac(VHT160)	CH114	3.48	Pass
11ax(HE20)(SU)	CH100	13.29	Pass
11ax(HE20)(SU)	CH116	13.45	Pass
11ax(HE20)(SU)	CH140	13.21	Pass
11ax(HE40)(SU)	CH102	11.66	Pass
11ax(HE40)(SU)	CH118	11.78	Pass
11ax(HE40)(SU)	CH134	11.64	Pass
11ax(HE80)(SU)	CH106	7.45	Pass
11ax(HE80)(SU)	CH122	11.13	Pass
11ax(HE160)(SU)	CH114	3.64	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	E.I.R.P PSD (dBm/500kHz)	Verdict
11a	CH149	16.39	Pass
11a	CH157	16.31	Pass
11a	CH165	16.55	Pass
11n(HT20)	CH149	15.71	Pass
11n(HT20)	CH157	15.73	Pass
11n(HT20)	CH165	16.09	Pass
11n(HT40)	CH151	11.48	Pass
11n(HT40)	CH159	12.74	Pass
11ac(VHT20)	CH149	15.67	Pass
11ac(VHT20)	CH157	15.68	Pass
11ac(VHT20)	CH165	16.01	Pass
11ac(VHT40)	CH151	11.45	Pass
11ac(VHT40)	CH159	12.38	Pass
11ac(VHT80)	CH155	7.56	Pass
11ax(HE20)(SU)	CH149	15.73	Pass
11ax(HE20)(SU)	CH157	15.66	Pass
11ax(HE20)(SU)	CH165	15.95	Pass
11ax(HE40)(SU)	CH151	11.05	Pass
11ax(HE40)(SU)	CH159	11.55	Pass
11ax(HE80)(SU)	CH155	7.13	Pass

A.5 Conducted Emissions

Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

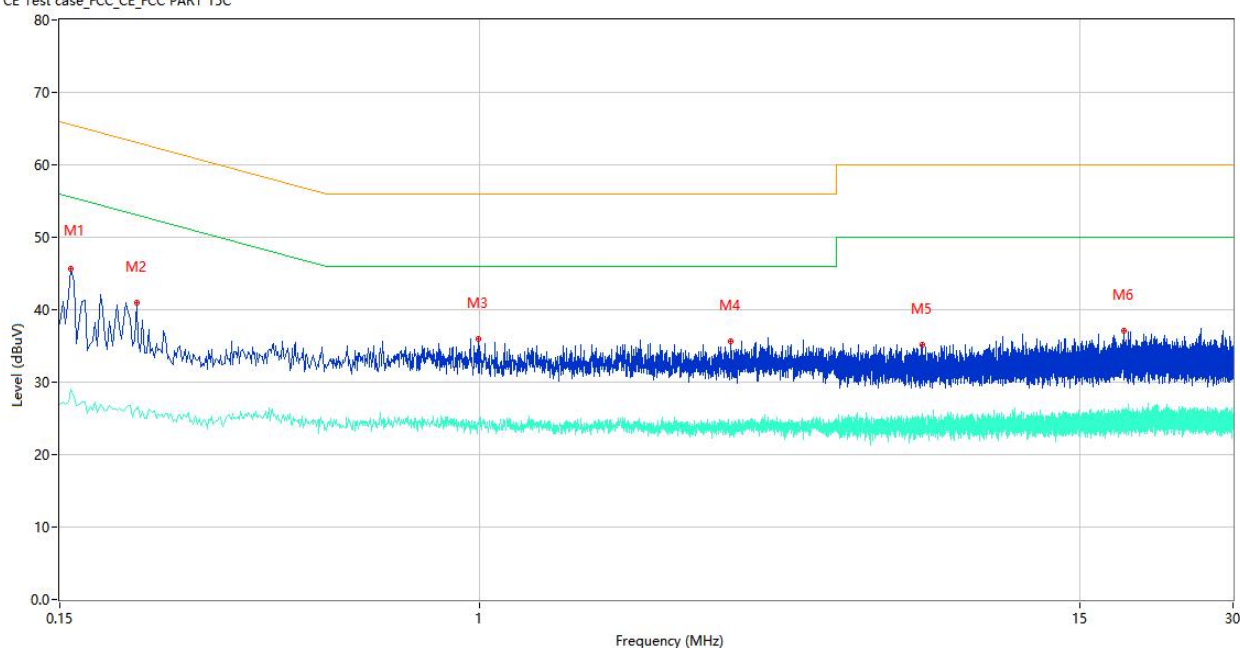
Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

Test Data and Plots

PHASE L

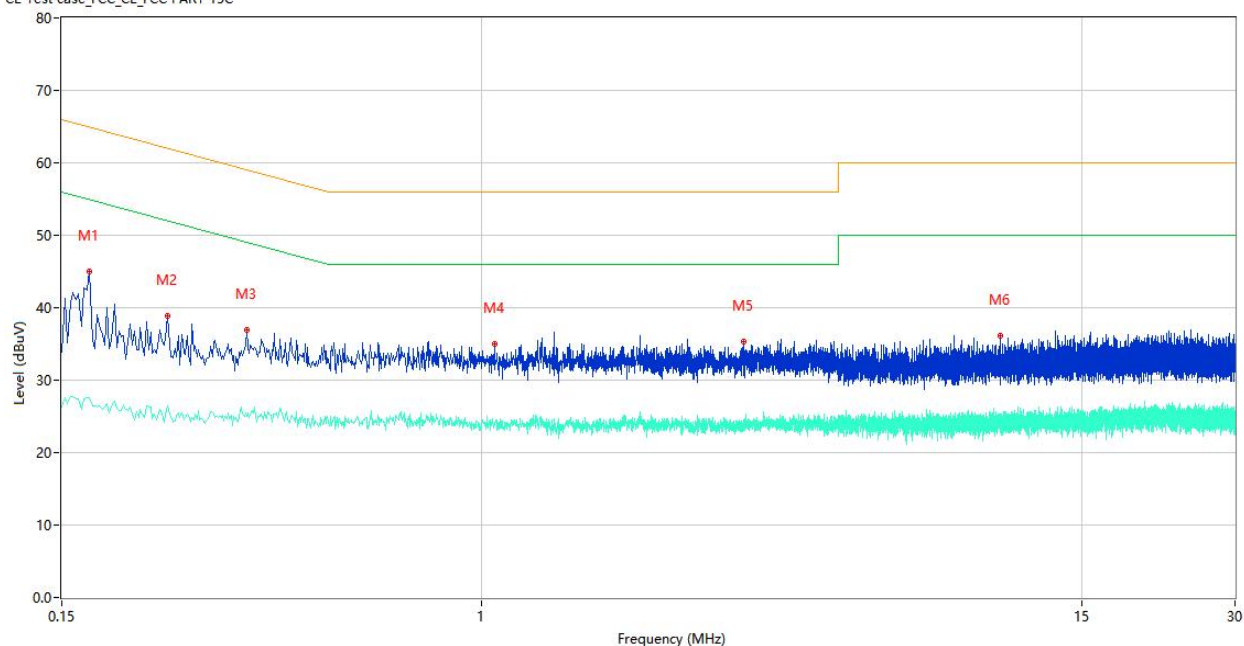
CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.158	45.59	9.86	65.57	19.98	Peak	L	Pass
1**	0.158	29.04	9.86	55.57	26.53	AV	L	Pass
2	0.212	40.93	9.83	63.13	22.20	Peak	L	Pass
2**	0.212	26.27	9.83	53.13	26.86	AV	L	Pass
3	0.994	36.05	10.04	56.00	19.95	Peak	L	Pass
3**	0.994	24.13	10.04	46.00	21.87	AV	L	Pass
4	3.110	35.59	9.93	56.00	20.41	Peak	L	Pass
4**	3.110	23.54	9.93	46.00	22.46	AV	L	Pass
5	7.392	35.11	10.27	60.00	24.89	Peak	L	Pass
5**	7.392	25.59	10.27	50.00	24.41	AV	L	Pass
6	18.314	37.04	10.97	60.00	22.96	Peak	L	Pass
6**	18.314	25.11	10.97	50.00	24.89	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.170	44.99	9.85	64.96	19.97	Peak	N	Pass
1**	0.170	27.60	9.85	54.96	27.36	AV	N	Pass
2	0.242	38.93	9.83	62.03	23.10	Peak	N	Pass
2**	0.242	26.48	9.83	52.03	25.55	AV	N	Pass
3	0.346	36.88	10.74	59.06	22.18	Peak	N	Pass
3**	0.346	24.97	10.74	49.06	24.09	AV	N	Pass
4	1.058	35.01	10.20	56.00	20.99	Peak	N	Pass
4**	1.058	24.18	10.20	46.00	21.82	AV	N	Pass
5	3.254	35.32	10.14	56.00	20.68	Peak	N	Pass
5**	3.254	24.51	10.14	46.00	21.49	AV	N	Pass
6	10.412	36.10	10.57	60.00	23.90	Peak	N	Pass
6**	10.412	25.35	10.57	50.00	24.65	AV	N	Pass