TEST REPORT

Applicant:	Samsung Electronics Co., Ltd.
Address:	Samsung R5, Maetan dong 129, Samsung ro Youngtong gu, Suwon city 443 742, Korea
Equipment Type:	Notebook PC
Model Name:	NP750XGL (refer to section 2.3)
Brand Name:	Samsung
FCC ID:	ZCANP750XGL
ISED Number:	25314-NP750XGL
Test Standard:	47 CFR Part 15 Subpart E RSS-Gen Issue 5 RSS-247 Issue 3 (refer to section 3.1)
Sample Arrival Date:	Oct. 23, 2023
Test Date:	Oct. 26, 2023 - Nov. 08, 2023
Date of Issue:	Jan. 15, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Si Xiao

Checked by: Ye Hongji

Approved by: Liao Jianming

(Technical Director)

Revision History

Version	Issue Date	Revisions
Rev. 01	Nov. 27, 2023	Initial Issue
Rev. 02	Jan. 15, 2024	1. Removed Conducted Emission and Radiated test data 2. Updated EUT name and hardware version

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☑ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
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 recognition numbers of test site are 11524A and Conformity Assessment Body Identifier are CN0030.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Samsung Electronics Co., Ltd.
Address	Samsung R5, Maetan dong 129, Samsung ro Youngtong gu, Suwon city 443 742, Korea

2.2 Manufacturer Information

Manufacturer	Samsung Electronics Co., Ltd.
Address	Samsung R5, Maetan dong 129, Samsung ro Youngtong gu, Suwon city 443 742, Korea

2.3 General Description for Equipment under Test (EUT)

EUT Name	Notebook PC
Model Name Under Test	NP750XGL
Series Model Name	NP750XGK, NP754XGK, NP751XGK, NP750XGQ, NP751XGQ, NP754XGQ, NP750XGP, NP751XGL, NP751XGP, NP754XGL, NP754XGP
Description of Model name differentiation	Only differences are model names for trading purpose. (this information provided by the applicant)
Serial Number	HQ8899YW90002NJ, HQ8899YW900008J
Hardware Version	REV1.0
Software Version	Windows 11
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

Antenna Information:

Antenna Port	Model Name	Antenna Manufacturer	Antenna Type	Antenna Gain (dBi)				
				2.4 GHz	5.15-5.25 GHz	5.25-5.35 GHz	5.47-5.725 GHz	5.725-5.85 GHz
Main Antenna	AYP6Y-200082	AWAN	PIFA	1.80	**1.70**	1.70	**2.80**	1.30
Auxiliary Antenna	AYP6Y-200082		PIFA	1.70	1.30	1.20	0.80	1.00
Main Antenna	F001C7713190001	Innowave	PIFA	1.30	1.61	**2.04**	1.69	**1.55**
Auxiliary Antenna	F001C7713190001		PIFA	1.71	**1.91**	**1.91**	**2.20**	**2.20**
Note: The report only shown the antenna which matches the antenna with the highest antenna gain.								

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n, 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160), 802.11ax(HE20/40/80/160), U-NII-1/2A/2C/3

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
Modulation technology		OFDM, OFDMA
Modulation Type		1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK
Product Type		Indoor for IC standard Portable for FCC standard
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: 15.76 mW U-NII-2A: 15.59 mW U-NII-2C: 15.78 mW U-NII-3: 15.65 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	SISO-Main Antenna	PIFA Antenna
	SISO-Aux. Antenna	
Antenna Gain	SISO-Main Antenna	U-NII-1: 5150 MHz to 5250 MHz: 1.70 dBi U-NII-2A: 5250 MHz to 5350 MHz: 2.04 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.80 dBi U-NII-3: 5725 MHz to 5850 MHz: 1.55 dBi
	SISO-Aux.	U-NII-1: 5150 MHz to 5250 MHz: 1.91 dBi

	Antenna	U-NII-2A: 5250 MHz to 5350 MHz: 1.91 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.20 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.20 dBi
Total directional gain	For power spectral density(PSD) measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 4.82 dBi U-NII-2A: 5250 MHz to 5350 MHz: 4.99 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.52 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.89 dBi Formulas: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2$ /NANT] dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 1.81 dBi U-NII-2A: 5250 MHz to 5350 MHz: 1.98 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.51 dBi U-NII-3: 5725 MHz to 5850 MHz: 1.89 dBi Formulas: Directional gain = 10 log[$(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})$/NANT] dBi
	For power measurements	Correlated: U-NII-1: 5150 MHz to 5250 MHz: 4.82 dBi U-NII-2A: 5250 MHz to 5350 MHz: 4.99 dBi U-NII-2C: 5470 MHz to 5725 MHz: 5.52 dBi U-NII-3: 5725 MHz to 5850 MHz: 4.89 dBi Formulas: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2$ /NANT] dBi Uncorrelated: U-NII-1: 5150 MHz to 5250 MHz: 1.81 dBi U-NII-2A: 5250 MHz to 5350 MHz: 1.98 dBi U-NII-2C: 5470 MHz to 5725 MHz: 2.51 dBi U-NII-3: 5725 MHz to 5850 MHz: 1.89 dBi Formulas: Directional gain = 10 log[$(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})$/NANT] dBi
About the Product		The equipment is Galaxy Book4, intended for used with information technology equipment.

Mode	Antenna		
	SISO-Main Antenna	SISO-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.			

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**	**138**	**5690**		
56	5280	**110**	**5550**	**155**	**5775**		
60	**5300**	118	5590				
64	**5320**	126	5630				
100	**5500**	134	5670				
104	5520	**142**	**5710**				
108	5540	**151**	**5755**				
112	5560	**159**	**5795**				
116	**5580**						
120	5600						
124	5620						
128	5640						
132	5660						
136	5680						
140	**5700**						
144	**5720**						
149	**5745**						
153	5765						
157	**5785**						
161	5805						
165	**5825**						

Note: This report equipment will not transmit in the 5600-5650 MHz frequency band when used in Canada. This restriction is to protect weather radars operating in this frequency band.

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	144	--	5720
116	Mid	5580	149	Low	5745
140	High	5700	157	Mid	5785
144	--	5720	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	142	--	5710
110	Mid	5550	151	Low	5755
134	High	5670	159	High	5795
142	--	5710	--	--	--

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	138	--	5690
122	High	5610	155	Mid	5775
138	--	5690	--	--	--

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	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/110/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/110/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
	11ac(160 MHz)	58.5		50	N/A	114	N/A
	11ax(20 MHz)	4		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ax(40 MHz)	8		46/38	62/54	142/134/110/102	159/151/142
	11ax(80 MHz)	17		42	58	138/122/106	155/138
	11ax(160 MHz)	34		50	N/A	114	N/A
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/110/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/110/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
	11ac(160 MHz)	58.5		50	N/A	114	N/A
	11ax(20 MHz)	4		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ax(40 MHz)	8		46/38	62/54	142/134/110/102	159/151/142
	11ax(80 MHz)	17		42	58	138/122/106	155/138
	11ax(160 MHz)	34		50	N/A	114	N/A
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149/144
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149/144
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151/142
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149/144
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151/142
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155/138
	11ac(160 MHz)	58.5		50	N/A	114	N/A
	11ax(20 MHz)	4		N/A	N/A	N/A	165/157/149/144
	11ax(40 MHz)	8		N/A	N/A	N/A	159/151/142
	11ax(80 MHz)	17		N/A	N/A	N/A	155/138
	11ax(160 MHz)	34		50	N/A	114	N/A
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/110/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/110/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
	11ac(160 MHz)	58.5		50	N/A	114	N/A

	11ax(20 MHz)	4		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ax(40 MHz)	8		46/38	62/54	142/134/110/102	159/151/142
	11ax(80 MHz)	17		42	58	138/122/106	155/138
	11ax(160 MHz)	34		50	N/A	114	N/A
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/110/102	159/151/142
	11ac(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/110/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
	11ac(160 MHz)	58.5		50	N/A	114	N/A
	11ax(20 MHz)	4		48/44/36	64/60/52	144/140/116/100	165/157/149/144
	11ax(40 MHz)	8		46/38	62/54	142/134/110/102	159/151/142
	11ax(80 MHz)	17		42	58	138/122/106	155/138
	11ax(160 MHz)	34		50	N/A	114	N/A
Band Edge (Restricted -band)	11a	6	BPSK	48/36	64/52	144/140/100	165/149/144
	11n(20 MHz)	6.5		48/36	64/52	144/140/100	165/149/144
	11n(40 MHz)	13.5		46/38	62/54	142/134/102	159/151/142
	11ac(20 MHz)	6.5		48/36	64/52	144/140/100	165/149/144
	11ac(40 MHz)	13.5		46/38	62/54	142/134/102	159/151/142
	11ac(80 MHz)	29.3		42	58	138/122/106	155/138
	11ac(160 MHz)	58.5		50	N/A	114	N/A
	11ax(20 MHz)	4		48/36	64/52	144/140/100	165/149/144
	11ax(40 MHz)	8		46/38	62/54	142/134/102	159/151/142
	11ax(80 MHz)	17		42	58	138/122/106	155/138
	11ax(160 MHz)	34		50	N/A	114	N/A

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 3	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices
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 C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	RSS Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-247, 6.2	--	Pass[Note1]
2	RF Output Power	15.407(a)	RSS-247, 6.2	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	RSS-247, 6.2	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	RSS-247, 6.2	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	RSS-247, 6.2	ANNEX A.4	Pass
6	Conducted Emission	15.207	RSS-GEN, 8.8	ANNEX A.5	N/A[Note4]
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	RSS-247, 6.2	ANNEX A.6	N/A[Note4]
8	Receiver Spurious Emissions	--	RSS-Gen, 7.1.2	--	N/A[Note2]

Note [1]: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note [2]: 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.

Note [3]: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

Note [4]: Based on the client requirement, this case is not tested in this report.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	46% to 68%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.6℃ to +25.8℃
Working Voltage of the EUT	NV (Normal Voltage)	15.4 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY56060183	2023.09.05	2024.09.04
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2023.05.16	2024.05.15
Spectrum Analyzer	KEYSIGHT	N9020A	MY46471071	2023.07.25	2024.07.24
Power Sensor	KEYSIGHT	U2063XA	MY58000251	2023.07.12	2024.07.11

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V2.1.1.488	N/A	The section 4.5.1

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.

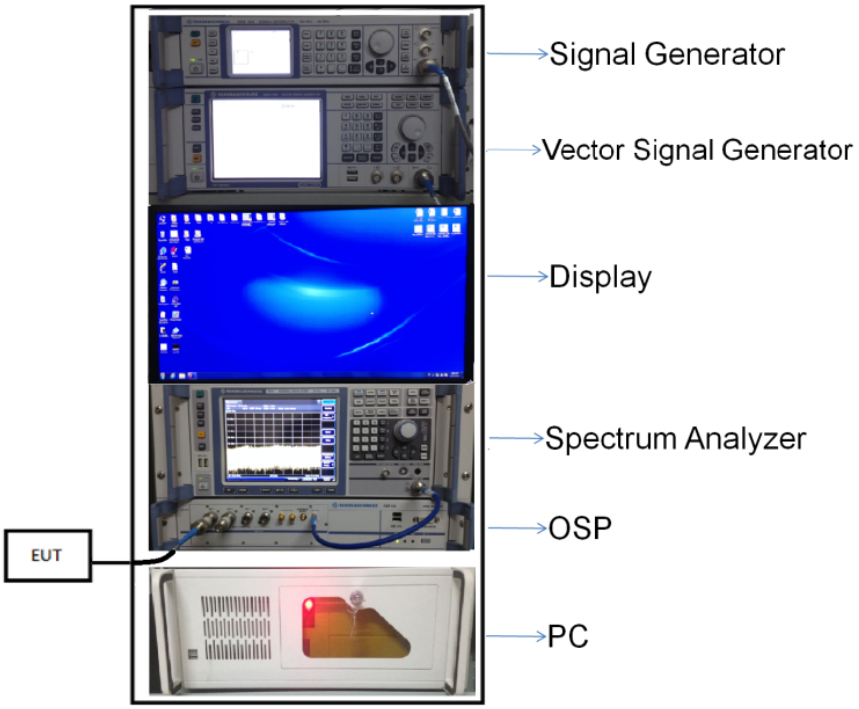
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

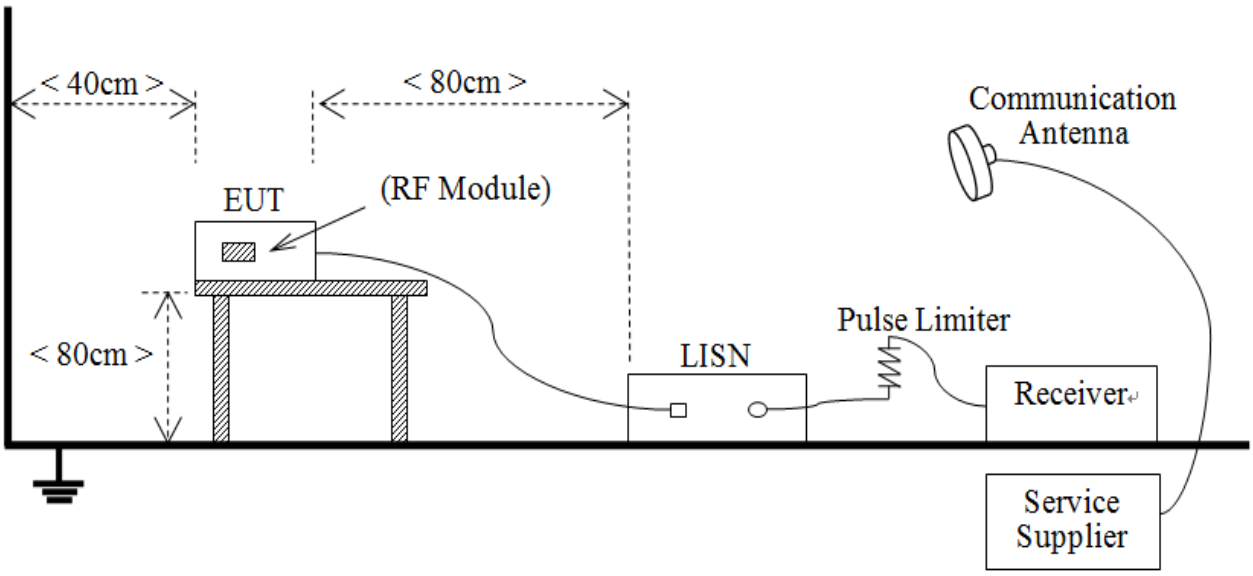
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

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



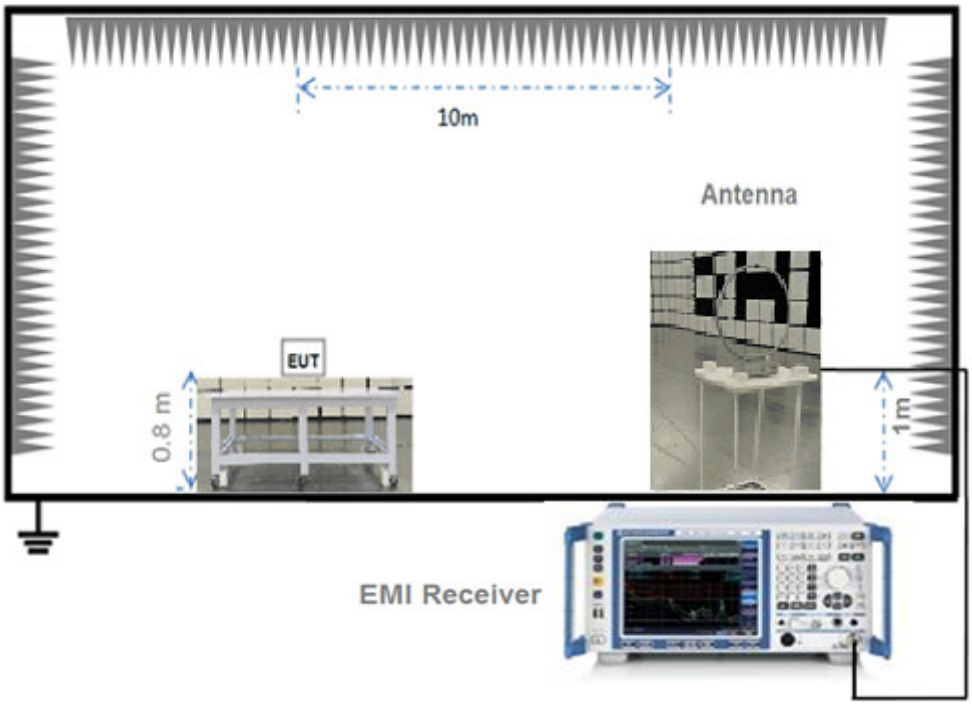
(Diagram 1)

4.5.2For AC Power Supply Port Test



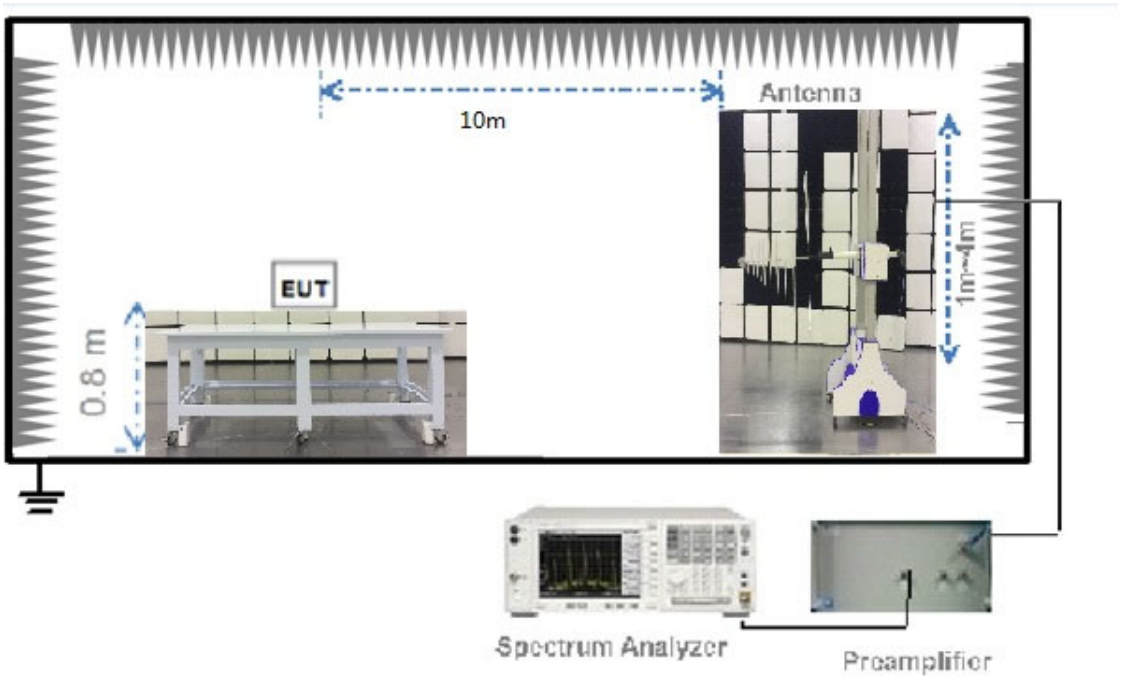
(Diagram 2)

4.5.3For Radiated Test (Below 30 MHz)



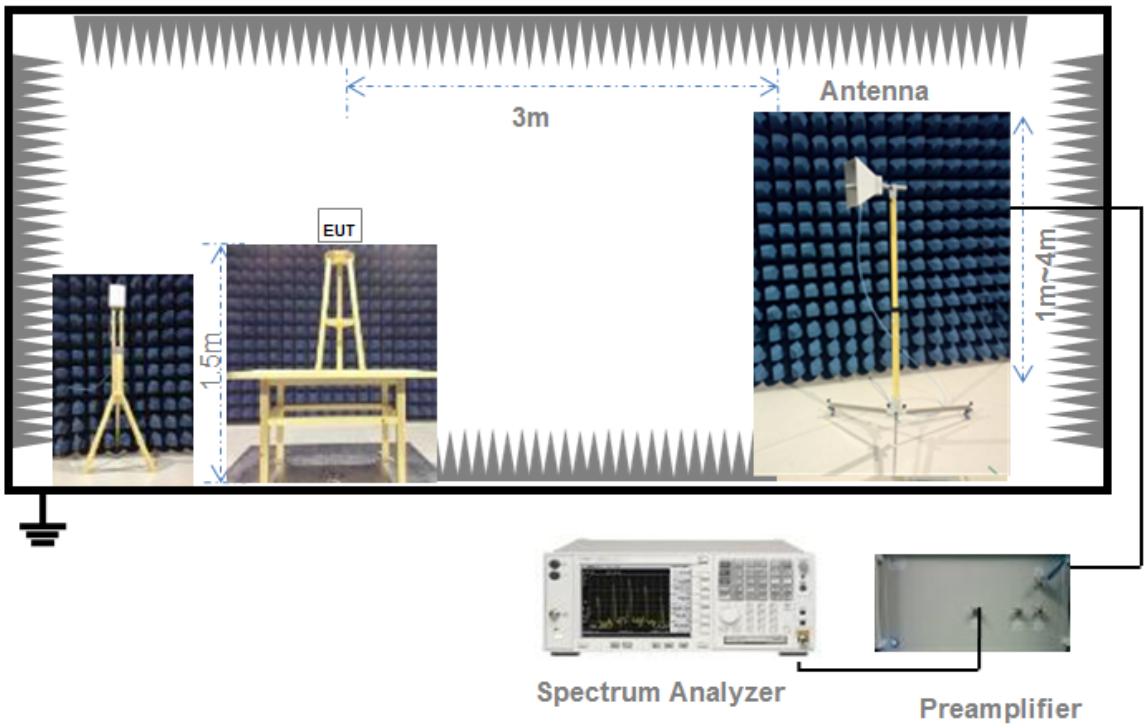
(Diagram 3)

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, 6.2

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
Note: Where “B” is the 99% emissions bandwidth in MHz.	

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

The maximum peak conducted output power may be measured using a broadband Average RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 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, 6.2

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 ≥ 3*RBW,

3. Detector = Peak.

4. Trace mode = Max hold.

5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW

2. Set RBW = 1% to 5% of the OBW.

3. Set VBW ≥ 3*RBW, Detector = Peak.

4. Trace mode = Max hold.

5. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.

2. Detector = Peak.Trace mode = Max hold.

3. Allow the trace to stabilize.

4. 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, 6.2

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

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. Set RBW = 510 kHz/1 MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

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 50μH/50Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dBμV)	
	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)

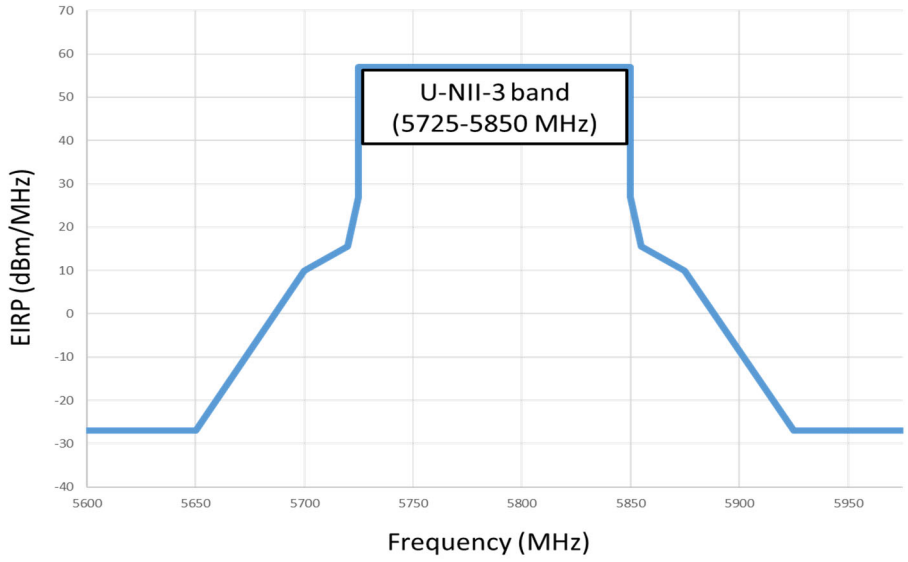
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength (μV/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

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 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).

c) 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).

d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

E = EIRP – 20log D + 104.8

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

f) 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 ≥ 3 x 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 ≥ 3 x RBW.

e) Detector = RMS, if span/(# of points in sweep) ≤ (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 ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note [1]: 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.

Note [2]: 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.

Note [3]: All the configurations were tested, but only the worst data was shown in this report.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle
11a	2.09	2.17	96.14%
11n (HT20)/11ac (VHT20)	7.93	8.01	98.96%
11n (HT40)/11ac (VHT40)	7.89	8.00	98.61%
11ac (VHT80)	7.93	8.01	99.00%
11ac (VHT160)	5.51	5.60	98.38%
11ax (HE20)	7.94	8.03	98.87%
11ax (HE40)	7.93	8.02	98.88%
11ax (HE80)	7.94	8.03	98.88%
11ax (HE160)	4.51	4.60	98.11%

Test Data

Conducted Power

SISO-Main Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	11.57	14.36	250	Pass
11a	CH44	11.54	14.26	250	Pass
11a	CH48	11.65	14.63	250	Pass
11n(HT20)	CH36	11.53	14.21	250	Pass
11n(HT20)	CH44	11.57	14.34	250	Pass
11n(HT20)	CH48	11.54	14.24	250	Pass
11n(HT40)	CH38	11.74	14.93	250	Pass
11n(HT40)	CH46	11.65	14.62	250	Pass
11ac(VHT20)	CH36	11.56	14.31	250	Pass
11ac(VHT20)	CH44	11.98	15.76	250	Pass
11ac(VHT20)	CH48	11.56	14.31	250	Pass
11ac(VHT40)	CH38	11.94	15.63	250	Pass
11ac(VHT40)	CH46	11.71	14.83	250	Pass
11ac(VHT80)	CH42	11.89	15.47	250	Pass
11ac(VHT160)	CH50	11.67	14.69	250	Pass
11ax(HE20)	CH36	11.86	15.34	250	Pass
11ax(HE20)	CH44	11.76	15.00	250	Pass
11ax(HE20)	CH48	11.84	15.27	250	Pass
11ax(HE40)	CH38	11.61	14.48	250	Pass
11ax(HE40)	CH46	11.94	15.63	250	Pass
11ax(HE80)	CH42	11.68	14.72	250	Pass
11ax(HE160)	CH50	11.55	14.30	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	11.57	14.36	250	Pass
11a	CH60	11.45	13.97	250	Pass
11a	CH64	11.57	14.36	250	Pass
11n(HT20)	CH52	11.48	14.05	250	Pass
11n(HT20)	CH60	11.43	13.88	250	Pass
11n(HT20)	CH64	11.42	13.85	250	Pass
11n(HT40)	CH54	11.80	15.14	250	Pass
11n(HT40)	CH62	11.61	14.49	250	Pass
11ac(VHT20)	CH52	11.53	14.21	250	Pass
11ac(VHT20)	CH60	11.83	15.22	250	Pass
11ac(VHT20)	CH64	11.71	14.81	250	Pass
11ac(VHT40)	CH54	11.69	14.76	250	Pass
11ac(VHT40)	CH62	11.52	14.19	250	Pass
11ac(VHT80)	CH58	11.70	14.80	250	Pass
11ax(HE20)	CH52	11.76	15.00	250	Pass
11ax(HE20)	CH60	11.66	14.65	250	Pass
11ax(HE20)	CH64	11.55	14.29	250	Pass
11ax(HE40)	CH54	11.93	15.59	250	Pass
11ax(HE40)	CH62	11.78	15.06	250	Pass
11ax(HE80)	CH58	11.47	14.02	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	11.83	15.24	250	Pass
11a	CH116	11.56	14.33	250	Pass
11a	CH140	11.59	14.42	250	Pass
11n (HT20)	CH100	11.78	15.05	250	Pass
11n (HT20)	CH116	11.59	14.41	250	Pass
11n (HT20)	CH140	11.63	14.54	250	Pass
11n (HT40)	CH102	11.60	14.46	250	Pass
11n (HT40)	CH110	11.70	14.79	250	Pass
11n (HT40)	CH134	11.80	15.14	250	Pass
11ac (VHT20)	CH100	11.84	15.26	250	Pass
11ac (VHT20)	CH116	11.57	14.34	250	Pass
11ac (VHT20)	CH140	11.54	14.24	250	Pass
11ac (VHT40)	CH102	11.60	14.46	250	Pass
11ac (VHT40)	CH110	11.79	15.10	250	Pass
11ac (VHT40)	CH134	11.77	15.03	250	Pass
11ac (VHT80)	CH106	11.83	15.25	250	Pass
11ac (VHT80)	CH122	11.97	15.75	250	Pass
11ac (VHT160)	CH114	11.69	14.76	250	Pass
11ax(HE20)	CH100	11.63	14.55	250	Pass
11ax(HE20)	CH116	11.92	15.56	250	Pass
11ax(HE20)	CH140	11.44	13.93	250	Pass
11ax(HE40)	CH102	11.83	15.24	250	Pass
11ax(HE40)	CH110	11.92	15.56	250	Pass
11ax(HE40)	CH134	11.60	14.45	250	Pass
11ax(HE80)	CH106	11.54	14.25	250	Pass
11ax(HE80)	CH122	11.66	14.65	250	Pass
11ax(HE160)	CH114	11.67	14.70	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	11.69	14.76	1000	Pass
11a	CH157	11.52	14.19	1000	Pass
11a	CH165	11.73	14.90	1000	Pass
11n(HT20)	CH149	11.67	14.67	1000	Pass
11n(HT20)	CH157	11.61	14.47	1000	Pass
11n(HT20)	CH165	11.51	14.14	1000	Pass
11n(HT40)	CH151	11.91	15.53	1000	Pass
11n(HT40)	CH159	11.87	15.38	1000	Pass
11ac(VHT20)	CH149	11.71	14.81	1000	Pass
11ac(VHT20)	CH157	11.52	14.18	1000	Pass
11ac(VHT20)	CH165	11.52	14.18	1000	Pass
11ac(VHT40)	CH151	11.86	15.35	1000	Pass
11ac(VHT40)	CH159	11.80	15.14	1000	Pass
11ac(VHT80)	CH155	11.78	15.08	1000	Pass
11ax(HE20)	CH149	11.62	14.52	1000	Pass
11ax(HE20)	CH157	11.92	15.56	1000	Pass
11ax(HE20)	CH165	11.81	15.17	1000	Pass
11ax(HE40)	CH151	11.63	14.55	1000	Pass
11ax(HE40)	CH159	11.59	14.42	1000	Pass
11ax(HE80)	CH155	11.65	14.62	1000	Pass

U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	11.63	14.55	211	Pass
11n (HT20)	CH144	11.61	14.49	215	Pass
11n (HT40)	CH142	11.85	15.31	250	Pass
11ac (VHT20)	CH144	11.70	14.79	215	Pass
11ac (VHT40)	CH142	11.67	14.69	250	Pass
11ac (VHT80)	CH138	11.47	14.03	250	Pass
11ax(HE20)	CH144	11.79	15.10	212	Pass
11ax(HE40)	CH142	11.54	14.25	250	Pass
11ax(HE80)	CH138	11.75	14.96	250	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	11.63	14.55	1000	Pass
11n (HT20)	CH144	11.61	14.49	1000	Pass
11n (HT40)	CH142	11.85	15.31	1000	Pass
11ac (VHT20)	CH144	11.70	14.79	1000	Pass
11ac (VHT40)	CH142	11.67	14.69	1000	Pass
11ac (VHT80)	CH138	11.47	14.03	1000	Pass
11ax(HE20)	CH144	11.79	15.10	1000	Pass
11ax(HE40)	CH142	11.54	14.25	1000	Pass
11ax(HE80)	CH138	11.75	14.96	1000	Pass

SISO-Aux. Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	11.64	14.59	250	Pass
11a	CH44	11.71	14.83	250	Pass
11a	CH48	11.85	15.31	250	Pass
11n(HT20)	CH36	11.57	14.34	250	Pass
11n(HT20)	CH44	11.73	14.88	250	Pass
11n(HT20)	CH48	11.77	15.01	250	Pass
11n(HT40)	CH38	11.62	14.52	250	Pass
11n(HT40)	CH46	11.44	13.93	250	Pass
11ac(VHT20)	CH36	11.61	14.47	250	Pass
11ac(VHT20)	CH44	11.81	15.15	250	Pass
11ac(VHT20)	CH48	11.76	14.98	250	Pass
11ac(VHT40)	CH38	11.61	14.49	250	Pass
11ac(VHT40)	CH46	11.45	13.97	250	Pass
11ac(VHT80)	CH42	11.70	14.80	250	Pass
11ac(VHT160)	CH50	11.85	15.31	250	Pass
11ax(HE20)	CH36	11.81	15.17	250	Pass
11ax(HE20)	CH44	11.50	14.12	250	Pass
11ax(HE20)	CH48	11.53	14.22	250	Pass
11ax(HE40)	CH38	11.74	14.92	250	Pass
11ax(HE40)	CH46	11.60	14.45	250	Pass
11ax(HE80)	CH42	11.96	15.70	250	Pass
11ax(HE160)	CH50	11.85	15.32	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	11.92	15.56	250	Pass
11a	CH60	11.82	15.21	250	Pass
11a	CH64	11.71	14.83	250	Pass
11n(HT20)	CH52	11.73	14.88	250	Pass
11n(HT20)	CH60	11.67	14.67	250	Pass
11n(HT20)	CH64	11.63	14.54	250	Pass
11n(HT40)	CH54	11.54	14.26	250	Pass
11n(HT40)	CH62	11.53	14.23	250	Pass
11ac(VHT20)	CH52	11.73	14.88	250	Pass
11ac(VHT20)	CH60	11.79	15.08	250	Pass
11ac(VHT20)	CH64	11.70	14.77	250	Pass
11ac(VHT40)	CH54	11.43	13.90	250	Pass
11ac(VHT40)	CH62	11.91	15.53	250	Pass
11ac(VHT80)	CH58	11.53	14.24	250	Pass
11ax(HE20)	CH52	11.51	14.16	250	Pass
11ax(HE20)	CH60	11.44	13.93	250	Pass
11ax(HE20)	CH64	11.46	13.99	250	Pass
11ax(HE40)	CH54	11.60	14.45	250	Pass
11ax(HE40)	CH62	11.56	14.32	250	Pass
11ax(HE80)	CH58	11.78	15.06	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	11.84	15.28	250	Pass
11a	CH116	11.70	14.79	250	Pass
11a	CH140	11.98	15.78	250	Pass
11n (HT20)	CH100	11.84	15.26	250	Pass
11n (HT20)	CH116	11.64	14.57	250	Pass
11n (HT20)	CH140	11.80	15.12	250	Pass
11n (HT40)	CH102	11.63	14.56	250	Pass
11n (HT40)	CH110	11.69	14.76	250	Pass
11n (HT40)	CH134	11.46	14.00	250	Pass
11ac (VHT20)	CH100	11.85	15.29	250	Pass
11ac (VHT20)	CH116	11.69	14.74	250	Pass
11ac (VHT20)	CH140	11.81	15.15	250	Pass
11ac (VHT40)	CH102	11.61	14.49	250	Pass
11ac (VHT40)	CH110	11.68	14.73	250	Pass
11ac (VHT40)	CH134	11.44	13.93	250	Pass
11ac (VHT80)	CH106	11.77	15.04	250	Pass
11ac (VHT80)	CH122	11.53	14.24	250	Pass
11ac (VHT160)	CH114	11.65	14.63	250	Pass
11ax(HE20)	CH100	11.63	14.55	250	Pass
11ax(HE20)	CH116	11.91	15.52	250	Pass
11ax(HE20)	CH140	11.68	14.72	250	Pass
11ax(HE40)	CH102	11.77	15.03	250	Pass
11ax(HE40)	CH110	11.84	15.27	250	Pass
11ax(HE40)	CH134	11.61	14.48	250	Pass
11ax(HE80)	CH106	11.59	14.42	250	Pass
11ax(HE80)	CH122	11.79	15.10	250	Pass
11ax(HE160)	CH114	11.66	14.67	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	11.81	15.17	1000	Pass
11a	CH157	11.55	14.29	1000	Pass
11a	CH165	11.58	14.39	1000	Pass
11n(HT20)	CH149	11.77	15.01	1000	Pass
11n(HT20)	CH157	11.92	15.54	1000	Pass
11n(HT20)	CH165	11.95	15.65	1000	Pass
11n(HT40)	CH151	11.55	14.29	1000	Pass
11n(HT40)	CH159	11.70	14.79	1000	Pass
11ac(VHT20)	CH149	11.76	14.98	1000	Pass
11ac(VHT20)	CH157	11.47	14.01	1000	Pass
11ac(VHT20)	CH165	11.51	14.14	1000	Pass
11ac(VHT40)	CH151	11.51	14.16	1000	Pass
11ac(VHT40)	CH159	11.65	14.62	1000	Pass
11ac(VHT80)	CH155	11.82	15.22	1000	Pass
11ax(HE20)	CH149	11.58	14.39	1000	Pass
11ax(HE20)	CH157	11.60	14.45	1000	Pass
11ax(HE20)	CH165	11.78	15.06	1000	Pass
11ax(HE40)	CH151	11.70	14.79	1000	Pass
11ax(HE40)	CH159	11.88	15.41	1000	Pass
11ax(HE80)	CH155	11.52	14.19	1000	Pass

U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	11.90	15.49	210	Pass
11n (HT20)	CH144	11.84	15.28	215	Pass
11n (HT40)	CH142	11.59	14.42	250	Pass
11ac (VHT20)	CH144	11.79	15.10	212	Pass
11ac (VHT40)	CH142	11.44	13.93	250	Pass
11ac (VHT80)	CH138	11.83	15.24	250	Pass
11ax(HE20)	CH144	11.67	14.69	216	Pass
11ax(HE40)	CH142	11.78	15.06	250	Pass
11ax(HE80)	CH138	11.51	14.15	250	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH144	11.90	15.49	1000	Pass
11n (HT20)	CH144	11.84	15.28	1000	Pass
11n (HT40)	CH142	11.59	14.42	1000	Pass
11ac (VHT20)	CH144	11.79	15.10	1000	Pass
11ac (VHT40)	CH142	11.44	13.93	1000	Pass
11ac (VHT80)	CH138	11.83	15.24	1000	Pass
11ax(HE20)	CH144	11.67	14.69	1000	Pass
11ax(HE40)	CH142	11.78	15.06	1000	Pass
11ax(HE80)	CH138	11.51	14.15	1000	Pass

MIMO-Main Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH36	8.96	7.86	250	Pass
11n(HT20)	CH44	8.75	7.49	250	Pass
11n(HT20)	CH48	8.84	7.65	250	Pass
11n(HT40)	CH38	8.97	7.89	250	Pass
11n(HT40)	CH46	8.93	7.82	250	Pass
11ac(VHT20)	CH36	8.95	7.84	250	Pass
11ac(VHT20)	CH44	8.90	7.75	250	Pass
11ac(VHT20)	CH48	8.96	7.86	250	Pass
11ac(VHT40)	CH38	8.96	7.87	250	Pass
11ac(VHT40)	CH46	8.92	7.80	250	Pass
11ac(VHT80)	CH42	8.63	7.30	250	Pass
11ac(VHT160)	CH50	8.76	7.52	250	Pass
11ax(HE20)	CH36	8.63	7.29	250	Pass
11ax(HE20)	CH44	8.66	7.34	250	Pass
11ax(HE20)	CH48	8.76	7.52	250	Pass
11ax(HE40)	CH38	8.57	7.19	250	Pass
11ax(HE40)	CH46	8.54	7.14	250	Pass
11ax(HE80)	CH42	8.85	7.67	250	Pass
11ax(HE160)	CH50	8.75	7.50	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH52	8.91	7.77	250	Pass
11n(HT20)	CH60	8.67	7.35	250	Pass
11n(HT20)	CH64	8.65	7.32	250	Pass
11n(HT40)	CH54	8.85	7.67	250	Pass
11n(HT40)	CH62	8.72	7.45	250	Pass
11ac(VHT20)	CH52	8.81	7.59	250	Pass
11ac(VHT20)	CH60	8.72	7.44	250	Pass
11ac(VHT20)	CH64	8.61	7.25	250	Pass
11ac(VHT40)	CH54	8.93	7.82	250	Pass
11ac(VHT40)	CH62	8.76	7.52	250	Pass
11ac(VHT80)	CH58	8.49	7.07	250	Pass
11ax(HE20)	CH52	8.65	7.33	250	Pass
11ax(HE20)	CH60	8.93	7.82	250	Pass
11ax(HE20)	CH64	8.85	7.67	250	Pass
11ax(HE40)	CH54	8.57	7.19	250	Pass
11ax(HE40)	CH62	8.95	7.85	250	Pass
11ax(HE80)	CH58	8.74	7.48	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH100	8.68	7.37	250	Pass
11n (HT20)	CH116	8.45	6.99	250	Pass
11n (HT20)	CH140	8.46	7.01	250	Pass
11n (HT40)	CH102	8.77	7.53	250	Pass
11n (HT40)	CH110	8.89	7.75	250	Pass
11n (HT40)	CH134	8.59	7.23	250	Pass
11ac (VHT20)	CH100	8.68	7.37	250	Pass
11ac (VHT20)	CH116	8.87	7.70	250	Pass
11ac (VHT20)	CH140	8.45	6.99	250	Pass
11ac (VHT40)	CH102	8.71	7.43	250	Pass
11ac (VHT40)	CH110	8.93	7.82	250	Pass
11ac (VHT40)	CH134	8.52	7.11	250	Pass
11ac (VHT80)	CH106	8.63	7.30	250	Pass
11ac (VHT80)	CH122	8.77	7.54	250	Pass
11ac (VHT160)	CH114	8.93	7.82	250	Pass
11ax(HE20)	CH100	8.45	7.00	250	Pass
11ax(HE20)	CH116	8.64	7.31	250	Pass
11ax(HE20)	CH140	8.77	7.53	250	Pass
11ax(HE40)	CH102	8.95	7.85	250	Pass
11ax(HE40)	CH110	8.52	7.11	250	Pass
11ax(HE40)	CH134	8.54	7.14	250	Pass
11ax(HE80)	CH106	8.77	7.53	250	Pass
11ax(HE80)	CH122	8.89	7.74	250	Pass
11ax(HE160)	CH114	8.78	7.56	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH149	8.58	7.20	1000	Pass
11n(HT20)	CH157	8.91	7.77	1000	Pass
11n(HT20)	CH165	8.89	7.74	1000	Pass
11n(HT40)	CH151	8.64	7.31	1000	Pass
11n(HT40)	CH159	8.67	7.36	1000	Pass
11ac(VHT20)	CH149	8.62	7.27	1000	Pass
11ac(VHT20)	CH157	8.91	7.77	1000	Pass
11ac(VHT20)	CH165	8.85	7.67	1000	Pass
11ac(VHT40)	CH151	8.59	7.23	1000	Pass
11ac(VHT40)	CH159	8.57	7.20	1000	Pass
11ac(VHT80)	CH155	8.69	7.40	1000	Pass
11ax(HE20)	CH149	8.85	7.67	1000	Pass
11ax(HE20)	CH157	8.63	7.29	1000	Pass
11ax(HE20)	CH165	8.56	7.18	1000	Pass
11ax(HE40)	CH151	8.82	7.62	1000	Pass
11ax(HE40)	CH159	8.71	7.43	1000	Pass
11ax(HE80)	CH155	8.93	7.81	1000	Pass

U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH144	8.55	7.16	215	Pass
11n (HT40)	CH142	8.60	7.24	250	Pass
11ac (VHT20)	CH144	8.39	6.90	215	Pass
11ac (VHT40)	CH142	8.54	7.14	250	Pass
11ac (VHT80)	CH138	8.78	7.55	250	Pass
11ax(HE20)	CH144	8.70	7.41	212	Pass
11ax(HE40)	CH142	8.67	7.36	250	Pass
11ax(HE80)	CH138	8.98	7.90	250	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH144	8.55	7.16	1000	Pass
11n (HT40)	CH142	8.60	7.24	1000	Pass
11ac (VHT20)	CH144	8.39	6.90	1000	Pass
11ac (VHT40)	CH142	8.54	7.14	1000	Pass
11ac (VHT80)	CH138	8.78	7.55	1000	Pass
11ax(HE20)	CH144	8.70	7.41	1000	Pass
11ax(HE40)	CH142	8.67	7.36	1000	Pass
11ax(HE80)	CH138	8.98	7.90	1000	Pass

MIMO-Aux. Antenna

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH36	8.61	7.25	250	Pass
11n(HT20)	CH44	8.85	7.67	250	Pass
11n(HT20)	CH48	8.84	7.65	250	Pass
11n(HT40)	CH38	8.78	7.55	250	Pass
11n(HT40)	CH46	8.49	7.06	250	Pass
11ac(VHT20)	CH36	8.66	7.34	250	Pass
11ac(VHT20)	CH44	8.77	7.53	250	Pass
11ac(VHT20)	CH48	8.86	7.68	250	Pass
11ac(VHT40)	CH38	8.81	7.60	250	Pass
11ac(VHT40)	CH46	8.49	7.06	250	Pass
11ac(VHT80)	CH42	8.76	7.52	250	Pass
11ac(VHT160)	CH50	8.98	7.91	250	Pass
11ax(HE20)	CH36	8.96	7.87	250	Pass
11ax(HE20)	CH44	8.57	7.19	250	Pass
11ax(HE20)	CH48	8.62	7.28	250	Pass
11ax(HE40)	CH38	8.64	7.31	250	Pass
11ax(HE40)	CH46	8.67	7.36	250	Pass
11ax(HE80)	CH42	8.93	7.81	250	Pass
11ax(HE160)	CH50	8.84	7.66	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH52	8.77	7.53	250	Pass
11n(HT20)	CH60	8.73	7.46	250	Pass
11n(HT20)	CH64	8.74	7.47	250	Pass
11n(HT40)	CH54	8.52	7.11	250	Pass
11n(HT40)	CH62	8.50	7.08	250	Pass
11ac(VHT20)	CH52	8.83	7.63	250	Pass
11ac(VHT20)	CH60	8.83	7.63	250	Pass
11ac(VHT20)	CH64	8.75	7.49	250	Pass
11ac(VHT40)	CH54	8.52	7.11	250	Pass
11ac(VHT40)	CH62	8.50	7.08	250	Pass
11ac(VHT80)	CH58	8.61	7.27	250	Pass
11ax(HE20)	CH52	8.64	7.31	250	Pass
11ax(HE20)	CH60	8.66	7.34	250	Pass
11ax(HE20)	CH64	8.58	7.21	250	Pass
11ax(HE40)	CH54	8.82	7.62	250	Pass
11ax(HE40)	CH62	8.78	7.55	250	Pass
11ax(HE80)	CH58	8.84	7.65	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH100	8.94	7.83	250	Pass
11n (HT20)	CH116	8.74	7.47	250	Pass
11n (HT20)	CH140	8.92	7.79	250	Pass
11n (HT40)	CH102	8.61	7.26	250	Pass
11n (HT40)	CH110	8.76	7.52	250	Pass
11n (HT40)	CH134	8.54	7.15	250	Pass
11ac (VHT20)	CH100	8.90	7.75	250	Pass
11ac (VHT20)	CH116	8.73	7.46	250	Pass
11ac (VHT20)	CH140	8.98	7.90	250	Pass
11ac (VHT40)	CH102	8.65	7.33	250	Pass
11ac (VHT40)	CH110	8.77	7.53	250	Pass
11ac (VHT40)	CH134	8.51	7.10	250	Pass
11ac (VHT80)	CH106	8.90	7.77	250	Pass
11ac (VHT80)	CH122	8.68	7.39	250	Pass
11ac (VHT160)	CH114	8.76	7.52	250	Pass
11ax(HE20)	CH100	8.79	7.57	250	Pass
11ax(HE20)	CH116	8.55	7.16	250	Pass
11ax(HE20)	CH140	8.79	7.57	250	Pass
11ax(HE40)	CH102	8.89	7.74	250	Pass
11ax(HE40)	CH110	8.92	7.80	250	Pass
11ax(HE40)	CH134	8.81	7.60	250	Pass
11ax(HE80)	CH106	8.59	7.23	250	Pass
11ax(HE80)	CH122	8.78	7.55	250	Pass
11ax(HE160)	CH114	8.66	7.35	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH149	8.90	7.75	1000	Pass
11n(HT20)	CH157	8.45	6.99	1000	Pass
11n(HT20)	CH165	8.53	7.12	1000	Pass
11n(HT40)	CH151	8.55	7.16	1000	Pass
11n(HT40)	CH159	8.79	7.57	1000	Pass
11ac(VHT20)	CH149	8.87	7.70	1000	Pass
11ac(VHT20)	CH157	8.55	7.15	1000	Pass
11ac(VHT20)	CH165	8.58	7.20	1000	Pass
11ac(VHT40)	CH151	8.62	7.28	1000	Pass
11ac(VHT40)	CH159	8.77	7.53	1000	Pass
11ac(VHT80)	CH155	8.90	7.77	1000	Pass
11ax(HE20)	CH149	8.68	7.38	1000	Pass
11ax(HE20)	CH157	8.86	7.69	1000	Pass
11ax(HE20)	CH165	8.84	7.66	1000	Pass
11ax(HE40)	CH151	8.82	7.62	1000	Pass
11ax(HE40)	CH159	8.97	7.89	1000	Pass
11ax(HE80)	CH155	8.56	7.18	1000	Pass

U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH144	8.82	7.62	215	Pass
11n (HT40)	CH142	8.67	7.36	250	Pass
11ac (VHT20)	CH144	8.98	7.91	212	Pass
11ac (VHT40)	CH142	8.63	7.29	250	Pass
11ac (VHT80)	CH138	8.88	7.73	250	Pass
11ax(HE20)	CH144	8.75	7.50	216	Pass
11ax(HE40)	CH142	8.86	7.69	250	Pass
11ax(HE80)	CH138	8.59	7.23	250	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH144	8.94	7.83	1000	Pass
11n (HT40)	CH142	8.78	7.55	1000	Pass
11ac (VHT20)	CH144	9.10	8.13	1000	Pass
11ac (VHT40)	CH142	8.74	7.48	1000	Pass
11ac (VHT80)	CH138	9.01	7.96	1000	Pass
11ax(HE20)	CH144	8.75	7.50	1000	Pass
11ax(HE40)	CH142	8.86	7.69	1000	Pass
11ax(HE80)	CH138	8.59	7.23	1000	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH36	11.79	15.11	250	Pass
11n(HT20)	CH44	11.81	15.16	250	Pass
11n(HT20)	CH48	11.85	15.30	250	Pass
11n(HT40)	CH38	11.89	15.44	250	Pass
11n(HT40)	CH46	11.73	14.88	250	Pass
11ac(VHT20)	CH36	11.81	15.18	250	Pass
11ac(VHT20)	CH44	11.84	15.28	250	Pass
11ac(VHT20)	CH48	11.92	15.54	250	Pass
11ac(VHT40)	CH38	11.90	15.48	250	Pass
11ac(VHT40)	CH46	11.72	14.86	250	Pass
11ac(VHT80)	CH42	11.71	14.82	250	Pass
11ac(VHT160)	CH50	11.88	15.43	250	Pass
11ax(HE20)	CH36	11.81	15.16	250	Pass
11ax(HE20)	CH44	11.63	14.54	250	Pass
11ax(HE20)	CH48	11.70	14.79	250	Pass
11ax(HE40)	CH38	11.61	14.50	250	Pass
11ax(HE40)	CH46	11.61	14.50	250	Pass
11ax(HE80)	CH42	11.90	15.49	250	Pass
11ax(HE160)	CH50	11.81	15.17	250	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH52	11.85	15.30	250	Pass
11n(HT20)	CH60	11.71	14.81	250	Pass
11n(HT20)	CH64	11.70	14.79	250	Pass
11n(HT40)	CH54	11.70	14.79	250	Pass
11n(HT40)	CH62	11.62	14.53	250	Pass
11ac(VHT20)	CH52	11.83	15.22	250	Pass
11ac(VHT20)	CH60	11.78	15.07	250	Pass
11ac(VHT20)	CH64	11.69	14.74	250	Pass
11ac(VHT40)	CH54	11.74	14.93	250	Pass
11ac(VHT40)	CH62	11.64	14.60	250	Pass
11ac(VHT80)	CH58	11.56	14.34	250	Pass
11ax(HE20)	CH52	11.65	14.64	250	Pass
11ax(HE20)	CH60	11.81	15.16	250	Pass
11ax(HE20)	CH64	11.73	14.88	250	Pass
11ax(HE40)	CH54	11.71	14.81	250	Pass
11ax(HE40)	CH62	11.88	15.40	250	Pass
11ax(HE80)	CH58	11.80	15.13	250	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH100	11.82	15.20	250	Pass
11n (HT20)	CH116	11.60	14.46	250	Pass
11n (HT20)	CH140	11.70	14.80	250	Pass
11n (HT40)	CH102	11.70	14.80	250	Pass
11n (HT40)	CH110	11.84	15.26	250	Pass
11n (HT40)	CH134	11.58	14.37	250	Pass
11ac (VHT20)	CH100	11.80	15.12	250	Pass
11ac (VHT20)	CH116	11.81	15.16	250	Pass
11ac (VHT20)	CH140	11.73	14.89	250	Pass
11ac (VHT40)	CH102	11.69	14.76	250	Pass
11ac (VHT40)	CH110	11.86	15.35	250	Pass
11ac (VHT40)	CH134	11.53	14.21	250	Pass
11ac (VHT80)	CH106	11.78	15.07	250	Pass
11ac (VHT80)	CH122	11.74	14.92	250	Pass
11ac (VHT160)	CH114	11.86	15.34	250	Pass
11ax(HE20)	CH100	11.63	14.57	250	Pass
11ax(HE20)	CH116	11.61	14.47	250	Pass
11ax(HE20)	CH140	11.79	15.10	250	Pass
11ax(HE40)	CH102	11.93	15.59	250	Pass
11ax(HE40)	CH110	11.73	14.91	250	Pass
11ax(HE40)	CH134	11.69	14.74	250	Pass
11ax(HE80)	CH106	11.69	14.76	250	Pass
11ax(HE80)	CH122	11.84	15.29	250	Pass
11ax(HE160)	CH114	11.73	14.91	250	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n(HT20)	CH149	11.75	14.96	1000	Pass
11n(HT20)	CH157	11.69	14.76	1000	Pass
11n(HT20)	CH165	11.72	14.86	1000	Pass
11n(HT40)	CH151	11.61	14.48	1000	Pass
11n(HT40)	CH159	11.74	14.93	1000	Pass
11ac(VHT20)	CH149	11.75	14.97	1000	Pass
11ac(VHT20)	CH157	11.74	14.93	1000	Pass
11ac(VHT20)	CH165	11.72	14.87	1000	Pass
11ac(VHT40)	CH151	11.62	14.51	1000	Pass
11ac(VHT40)	CH159	11.68	14.73	1000	Pass
11ac(VHT80)	CH155	11.81	15.17	1000	Pass
11ax(HE20)	CH149	11.78	15.05	1000	Pass
11ax(HE20)	CH157	11.76	14.98	1000	Pass
11ax(HE20)	CH165	11.71	14.83	1000	Pass
11ax(HE40)	CH151	11.83	15.24	1000	Pass
11ax(HE40)	CH159	11.85	15.32	1000	Pass
11ax(HE80)	CH155	11.76	14.99	1000	Pass

U-NII-2C straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH144	11.70	14.78	215	Pass
11n (HT40)	CH142	11.65	14.61	250	Pass
11ac (VHT20)	CH144	11.71	14.81	212	Pass
11ac (VHT40)	CH142	11.60	14.44	250	Pass
11ac (VHT80)	CH138	11.84	15.28	250	Pass
11ax(HE20)	CH144	11.73	14.91	212	Pass
11ax(HE40)	CH142	11.78	15.05	250	Pass
11ax(HE80)	CH138	11.80	15.13	250	Pass

U-NII-3 straddle channel					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH144	11.76	15.00	1000	Pass
11n (HT40)	CH142	11.70	14.80	1000	Pass
11ac (VHT20)	CH144	11.77	15.03	1000	Pass
11ac (VHT40)	CH142	11.65	14.63	1000	Pass
11ac (VHT80)	CH138	11.91	15.51	1000	Pass
11ax(HE20)	CH144	11.73	14.91	1000	Pass
11ax(HE40)	CH142	11.78	15.05	1000	Pass
11ax(HE80)	CH138	11.80	15.13	1000	Pass

E.I.R.P

SISO-Main Antenna

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	13.27	21.24	167	Pass
11a	CH44	13.24	21.09	167	Pass
11a	CH48	13.35	21.63	167	Pass
11n(HT20)	CH36	13.23	21.01	178	Pass
11n(HT20)	CH44	13.27	21.21	178	Pass
11n(HT20)	CH48	13.24	21.06	178	Pass
11n(HT40)	CH38	13.44	22.08	200	Pass
11n(HT40)	CH46	13.35	21.63	200	Pass
11ac(VHT20)	CH36	13.26	21.16	178	Pass
11ac(VHT20)	CH44	13.68	23.31	178	Pass
11ac(VHT20)	CH48	13.26	21.16	178	Pass
11ac(VHT40)	CH38	13.64	23.12	200	Pass
11ac(VHT40)	CH46	13.41	21.93	200	Pass
11ac(VHT80)	CH42	13.59	22.87	200	Pass
11ac(VHT160)	CH50	13.37	21.73	200	Pass
11ax(HE20)	CH36	13.56	22.70	189	Pass
11ax(HE20)	CH44	13.46	22.18	189	Pass
11ax(HE20)	CH48	13.54	22.59	189	Pass
11ax(HE40)	CH38	13.31	21.42	200	Pass
11ax(HE40)	CH46	13.64	23.12	200	Pass
11ax(HE80)	CH42	13.38	21.77	200	Pass
11ax(HE160)	CH50	13.25	21.15	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	13.61	22.97	837	Pass
11a	CH60	13.49	22.34	837	Pass
11a	CH64	13.61	22.97	838	Pass
11n(HT20)	CH52	13.52	22.47	891	Pass
11n(HT20)	CH60	13.47	22.21	891	Pass
11n(HT20)	CH64	13.46	22.16	892	Pass
11n(HT40)	CH54	13.84	24.21	1000	Pass
11n(HT40)	CH62	13.65	23.18	1000	Pass
11ac(VHT20)	CH52	13.57	22.73	890	Pass
11ac(VHT20)	CH60	13.87	24.35	891	Pass
11ac(VHT20)	CH64	13.75	23.69	891	Pass
11ac(VHT40)	CH54	13.73	23.61	1000	Pass
11ac(VHT40)	CH62	13.56	22.70	1000	Pass
11ac(VHT80)	CH58	13.74	23.68	1000	Pass
11ax(HE20)	CH52	13.80	23.99	948	Pass
11ax(HE20)	CH60	13.70	23.44	948	Pass
11ax(HE20)	CH64	13.59	22.85	948	Pass
11ax(HE40)	CH54	13.97	24.94	1000	Pass
11ax(HE40)	CH62	13.82	24.09	1000	Pass
11ax(HE80)	CH58	13.51	22.43	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	14.63	29.05	837	Pass
11a	CH116	14.36	27.30	836	Pass
11a	CH140	14.39	27.49	837	Pass
11n (HT20)	CH100	14.58	28.68	890	Pass
11n (HT20)	CH116	14.39	27.45	890	Pass
11n (HT20)	CH140	14.43	27.70	891	Pass
11n (HT40)	CH102	14.40	27.55	1000	Pass
11n (HT40)	CH110	14.50	28.19	1000	Pass
11n (HT40)	CH134	14.60	28.84	1000	Pass
11ac (VHT20)	CH100	14.64	29.08	892	Pass
11ac (VHT20)	CH116	14.37	27.32	890	Pass
11ac (VHT20)	CH140	14.34	27.13	891	Pass
11ac (VHT40)	CH102	14.40	27.55	1000	Pass
11ac (VHT40)	CH110	14.59	28.78	1000	Pass
11ac (VHT40)	CH134	14.57	28.65	1000	Pass
11ac (VHT80)	CH106	14.63	29.06	1000	Pass
11ac (VHT80)	CH122	14.77	30.02	1000	Pass
11ac (VHT160)	CH114	14.49	28.13	1000	Pass
11ax(HE20)	CH100	14.43	27.73	947	Pass
11ax(HE20)	CH116	14.72	29.64	948	Pass
11ax(HE20)	CH140	14.24	26.54	948	Pass
11ax(HE40)	CH102	14.63	29.03	1000	Pass
11ax(HE40)	CH110	14.72	29.64	1000	Pass
11ax(HE40)	CH134	14.40	27.54	1000	Pass
11ax(HE80)	CH106	14.34	27.16	1000	Pass
11ax(HE80)	CH122	14.46	27.92	1000	Pass
11ax(HE160)	CH114	14.47	28.01	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	13.24	21.09	Pass
11a	CH157	13.07	20.28	Pass
11a	CH165	13.28	21.29	Pass
11n(HT20)	CH149	13.22	20.97	Pass
11n(HT20)	CH157	13.16	20.68	Pass
11n(HT20)	CH165	13.06	20.21	Pass
11n(HT40)	CH151	13.46	22.19	Pass
11n(HT40)	CH159	13.42	21.98	Pass
11ac(VHT20)	CH149	13.26	21.16	Pass
11ac(VHT20)	CH157	13.07	20.25	Pass
11ac(VHT20)	CH165	13.07	20.25	Pass
11ac(VHT40)	CH151	13.41	21.93	Pass
11ac(VHT40)	CH159	13.35	21.63	Pass
11ac(VHT80)	CH155	13.33	21.55	Pass
11ax(HE20)	CH149	13.17	20.75	Pass
11ax(HE20)	CH157	13.47	22.23	Pass
11ax(HE20)	CH165	13.36	21.67	Pass
11ax(HE40)	CH151	13.18	20.79	Pass
11ax(HE40)	CH159	13.14	20.60	Pass
11ax(HE80)	CH155	13.20	20.89	Pass

U-NII-2C straddle channel					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH144	14.43	27.73	670	Pass
11n (HT20)	CH144	14.41	27.61	696	Pass
11n (HT40)	CH142	14.65	29.17	1000	Pass
11ac (VHT20)	CH144	14.50	28.18	696	Pass
11ac (VHT40)	CH142	14.47	27.99	1000	Pass
11ac (VHT80)	CH138	14.27	26.73	1000	Pass
11ax(HE20)	CH144	14.59	28.77	725	Pass
11ax(HE40)	CH142	14.34	27.16	1000	Pass
11ax(HE80)	CH138	14.55	28.51	1000	Pass

U-NII-3 straddle channel				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH144	13.18	20.80	Pass
11n (HT20)	CH144	13.16	20.70	Pass
11n (HT40)	CH142	13.40	21.88	Pass
11ac (VHT20)	CH144	13.25	21.13	Pass
11ac (VHT40)	CH142	13.22	20.99	Pass
11ac (VHT80)	CH138	13.02	20.04	Pass
11ax(HE20)	CH144	13.34	21.58	Pass
11ax(HE40)	CH142	13.09	20.37	Pass
11ax(HE80)	CH138	13.30	21.38	Pass

SISO-Aux. Antenna

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	13.55	22.65	167	Pass
11a	CH44	13.62	23.02	167	Pass
11a	CH48	13.76	23.77	167	Pass
11n(HT20)	CH36	13.48	22.26	178	Pass
11n(HT20)	CH44	13.64	23.10	178	Pass
11n(HT20)	CH48	13.68	23.31	178	Pass
11n(HT40)	CH38	13.53	22.55	200	Pass
11n(HT40)	CH46	13.35	21.63	200	Pass
11ac(VHT20)	CH36	13.52	22.47	178	Pass
11ac(VHT20)	CH44	13.72	23.52	177	Pass
11ac(VHT20)	CH48	13.67	23.26	178	Pass
11ac(VHT40)	CH38	13.52	22.49	200	Pass
11ac(VHT40)	CH46	13.36	21.68	200	Pass
11ac(VHT80)	CH42	13.61	22.98	200	Pass
11ac(VHT160)	CH50	13.76	23.77	200	Pass
11ax(HE20)	CH36	13.72	23.55	189	Pass
11ax(HE20)	CH44	13.41	21.93	189	Pass
11ax(HE20)	CH48	13.44	22.08	189	Pass
11ax(HE40)	CH38	13.65	23.17	200	Pass
11ax(HE40)	CH46	13.51	22.43	200	Pass
11ax(HE80)	CH42	13.87	24.37	200	Pass
11ax(HE160)	CH50	13.76	23.78	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	13.83	24.16	837	Pass
11a	CH60	13.73	23.61	838	Pass
11a	CH64	13.62	23.02	837	Pass
11n(HT20)	CH52	13.64	23.10	890	Pass
11n(HT20)	CH60	13.58	22.78	891	Pass
11n(HT20)	CH64	13.54	22.57	891	Pass
11n(HT40)	CH54	13.45	22.13	1000	Pass
11n(HT40)	CH62	13.44	22.08	1000	Pass
11ac(VHT20)	CH52	13.64	23.10	891	Pass
11ac(VHT20)	CH60	13.70	23.42	892	Pass
11ac(VHT20)	CH64	13.61	22.94	890	Pass
11ac(VHT40)	CH54	13.34	21.58	1000	Pass
11ac(VHT40)	CH62	13.82	24.10	1000	Pass
11ac(VHT80)	CH58	13.44	22.10	1000	Pass
11ax(HE20)	CH52	13.42	21.98	948	Pass
11ax(HE20)	CH60	13.35	21.62	948	Pass
11ax(HE20)	CH64	13.37	21.72	948	Pass
11ax(HE40)	CH54	13.51	22.43	1000	Pass
11ax(HE40)	CH62	13.47	22.23	1000	Pass
11ax(HE80)	CH58	13.69	23.38	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	14.04	25.36	836	Pass
11a	CH116	13.90	24.55	837	Pass
11a	CH140	14.18	26.19	837	Pass
11n (HT20)	CH100	14.04	25.32	891	Pass
11n (HT20)	CH116	13.84	24.18	891	Pass
11n (HT20)	CH140	14.00	25.09	891	Pass
11n (HT40)	CH102	13.83	24.16	1000	Pass
11n (HT40)	CH110	13.89	24.49	1000	Pass
11n (HT40)	CH134	13.66	23.23	1000	Pass
11ac (VHT20)	CH100	14.05	25.38	890	Pass
11ac (VHT20)	CH116	13.89	24.46	890	Pass
11ac (VHT20)	CH140	14.01	25.15	891	Pass
11ac (VHT40)	CH102	13.81	24.05	1000	Pass
11ac (VHT40)	CH110	13.88	24.44	1000	Pass
11ac (VHT40)	CH134	13.64	23.12	1000	Pass
11ac (VHT80)	CH106	13.97	24.97	1000	Pass
11ac (VHT80)	CH122	13.73	23.62	1000	Pass
11ac (VHT160)	CH114	13.85	24.27	1000	Pass
11ax(HE20)	CH100	13.83	24.15	948	Pass
11ax(HE20)	CH116	14.11	25.76	947	Pass
11ax(HE20)	CH140	13.88	24.43	948	Pass
11ax(HE40)	CH102	13.97	24.94	1000	Pass
11ax(HE40)	CH110	14.04	25.35	1000	Pass
11ax(HE40)	CH134	13.81	24.04	1000	Pass
11ax(HE80)	CH106	13.79	23.93	1000	Pass
11ax(HE80)	CH122	13.99	25.05	1000	Pass
11ax(HE160)	CH114	13.86	24.34	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH149	14.01	25.18	Pass
11a	CH157	13.75	23.72	Pass
11a	CH165	13.78	23.88	Pass
11n(HT20)	CH149	13.97	24.92	Pass
11n(HT20)	CH157	14.12	25.79	Pass
11n(HT20)	CH165	14.15	25.97	Pass
11n(HT40)	CH151	13.75	23.72	Pass
11n(HT40)	CH159	13.90	24.55	Pass
11ac(VHT20)	CH149	13.96	24.86	Pass
11ac(VHT20)	CH157	13.67	23.26	Pass
11ac(VHT20)	CH165	13.71	23.47	Pass
11ac(VHT40)	CH151	13.71	23.50	Pass
11ac(VHT40)	CH159	13.85	24.27	Pass
11ac(VHT80)	CH155	14.02	25.26	Pass
11ax(HE20)	CH149	13.78	23.88	Pass
11ax(HE20)	CH157	13.80	23.99	Pass
11ax(HE20)	CH165	13.98	25.00	Pass
11ax(HE40)	CH151	13.90	24.54	Pass
11ax(HE40)	CH159	14.08	25.58	Pass
11ax(HE80)	CH155	13.72	23.54	Pass

U-NII-2C straddle channel					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11a	CH144	14.10	25.70	669	Pass
11n (HT20)	CH144	14.04	25.35	696	Pass
11n (HT40)	CH142	13.79	23.93	1000	Pass
11ac (VHT20)	CH144	13.99	25.06	695	Pass
11ac (VHT40)	CH142	13.64	23.12	1000	Pass
11ac (VHT80)	CH138	14.03	25.29	1000	Pass
11ax(HE20)	CH144	13.87	24.38	725	Pass
11ax(HE40)	CH142	13.98	25.00	1000	Pass
11ax(HE80)	CH138	13.71	23.50	1000	Pass

U-NII-3 straddle channel				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11a	CH144	14.10	25.70	Pass
11n (HT20)	CH144	14.04	25.35	Pass
11n (HT40)	CH142	13.79	23.93	Pass
11ac (VHT20)	CH144	13.99	25.06	Pass
11ac (VHT40)	CH142	13.64	23.12	Pass
11ac (VHT80)	CH138	14.03	25.29	Pass
11ax(HE20)	CH144	13.87	24.38	Pass
11ax(HE40)	CH142	13.98	25.00	Pass
11ax(HE80)	CH138	13.71	23.50	Pass

MIMO-Main Antenna

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
11n(HT20)	CH36	10.66	11.63	178	Pass
11n(HT20)	CH44	10.45	11.08	178	Pass
11n(HT20)	CH48	10.54	11.31	178	Pass
11n(HT40)	CH38	10.67	11.67	200	Pass
11n(HT40)	CH46	10.63	11.56	200	Pass
11ac(VHT20)	CH36	10.65	11.60	178	Pass
11ac(VHT20)	CH44	10.60	11.47	178	Pass
11ac(VHT20)	CH48	10.66	11.63	178	Pass
11ac(VHT40)	CH38	10.66	11.64	200	Pass
11ac(VHT40)	CH46	10.62	11.54	200	Pass
11ac(VHT80)	CH42	10.33	10.80	200	Pass
11ac(VHT160)	CH50	10.46	11.12	200	Pass
11ax(HE20)	CH36	10.33	10.79	189	Pass
11ax(HE20)	CH44	10.36	10.86	189	Pass
11ax(HE20)	CH48	10.46	11.12	189	Pass
11ax(HE40)	CH38	10.27	10.64	200	Pass
11ax(HE40)	CH46	10.24	10.57	200	Pass
11ax(HE80)	CH42	10.55	11.35	200	Pass
11ax(HE160)	CH50	10.45	11.10	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
11n(HT20)	CH52	10.95	12.43	891	Pass
11n(HT20)	CH60	10.71	11.76	891	Pass
11n(HT20)	CH64	10.69	11.71	892	Pass
11n(HT40)	CH54	10.89	12.28	1000	Pass
11n(HT40)	CH62	10.76	11.91	1000	Pass
11ac(VHT20)	CH52	10.85	12.15	890	Pass
11ac(VHT20)	CH60	10.76	11.90	891	Pass
11ac(VHT20)	CH64	10.65	11.60	891	Pass
11ac(VHT40)	CH54	10.97	12.50	1000	Pass
11ac(VHT40)	CH62	10.80	12.02	1000	Pass
11ac(VHT80)	CH58	10.53	11.31	1000	Pass
11ax(HE20)	CH52	10.69	11.72	948	Pass
11ax(HE20)	CH60	10.97	12.50	948	Pass
11ax(HE20)	CH64	10.89	12.27	948	Pass
11ax(HE40)	CH54	10.61	11.51	1000	Pass
11ax(HE40)	CH62	10.99	12.56	1000	Pass
11ax(HE80)	CH58	10.78	11.96	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
11n (HT20)	CH100	11.48	14.05	890	Pass
11n (HT20)	CH116	11.25	13.32	890	Pass
11n (HT20)	CH140	11.26	13.35	891	Pass
11n (HT40)	CH102	11.57	14.36	1000	Pass
11n (HT40)	CH110	11.69	14.76	1000	Pass
11n (HT40)	CH134	11.39	13.77	1000	Pass
11ac (VHT20)	CH100	11.48	14.05	892	Pass
11ac (VHT20)	CH116	11.67	14.67	890	Pass
11ac (VHT20)	CH140	11.25	13.32	891	Pass
11ac (VHT40)	CH102	11.51	14.16	1000	Pass
11ac (VHT40)	CH110	11.73	14.90	1000	Pass
11ac (VHT40)	CH134	11.32	13.55	1000	Pass
11ac (VHT80)	CH106	11.43	13.91	1000	Pass
11ac (VHT80)	CH122	11.57	14.37	1000	Pass
11ac (VHT160)	CH114	11.73	14.90	1000	Pass
11ax(HE20)	CH100	11.25	13.33	947	Pass
11ax(HE20)	CH116	11.44	13.93	948	Pass
11ax(HE20)	CH140	11.57	14.35	948	Pass
11ax(HE40)	CH102	11.75	14.96	1000	Pass
11ax(HE40)	CH110	11.32	13.55	1000	Pass
11ax(HE40)	CH134	11.34	13.61	1000	Pass
11ax(HE80)	CH106	11.57	14.35	1000	Pass
11ax(HE80)	CH122	11.69	14.75	1000	Pass
11ax(HE160)	CH114	11.58	14.40	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11n(HT20)	CH149	10.13	10.29	Pass
11n(HT20)	CH157	10.46	11.11	Pass
11n(HT20)	CH165	10.44	11.05	Pass
11n(HT40)	CH151	10.19	10.45	Pass
11n(HT40)	CH159	10.22	10.52	Pass
11ac(VHT20)	CH149	10.17	10.39	Pass
11ac(VHT20)	CH157	10.46	11.11	Pass
11ac(VHT20)	CH165	10.40	10.95	Pass
11ac(VHT40)	CH151	10.14	10.33	Pass
11ac(VHT40)	CH159	10.12	10.28	Pass
11ac(VHT80)	CH155	10.24	10.58	Pass
11ax(HE20)	CH149	10.40	10.96	Pass
11ax(HE20)	CH157	10.18	10.42	Pass
11ax(HE20)	CH165	10.11	10.26	Pass
11ax(HE40)	CH151	10.37	10.89	Pass
11ax(HE40)	CH159	10.26	10.61	Pass
11ax(HE80)	CH155	10.48	11.17	Pass

U-NII-2C straddle channel					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11n (HT20)	CH144	11.35	13.65	696	Pass
11n (HT40)	CH142	11.40	13.80	1000	Pass
11ac (VHT20)	CH144	11.19	13.15	696	Pass
11ac (VHT40)	CH142	11.34	13.61	1000	Pass
11ac (VHT80)	CH138	11.58	14.39	1000	Pass
11ax(HE20)	CH144	11.50	14.13	725	Pass
11ax(HE40)	CH142	11.47	14.03	1000	Pass
11ax(HE80)	CH138	11.78	15.07	1000	Pass

U-NII-3 straddle channel				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11n (HT20)	CH144	10.10	10.23	Pass
11n (HT40)	CH142	10.15	10.35	Pass
11ac (VHT20)	CH144	9.94	9.86	Pass
11ac (VHT40)	CH142	10.09	10.21	Pass
11ac (VHT80)	CH138	10.33	10.79	Pass
11ax(HE20)	CH144	10.25	10.59	Pass
11ax(HE40)	CH142	10.22	10.52	Pass
11ax(HE80)	CH138	10.53	11.30	Pass

MIMO-Aux. Antenna

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
11n(HT20)	CH36	10.52	11.26	178	Pass
11n(HT20)	CH44	10.76	11.90	178	Pass
11n(HT20)	CH48	10.75	11.87	178	Pass
11n(HT40)	CH38	10.69	11.72	200	Pass
11n(HT40)	CH46	10.40	10.97	200	Pass
11ac(VHT20)	CH36	10.57	11.39	178	Pass
11ac(VHT20)	CH44	10.68	11.68	177	Pass
11ac(VHT20)	CH48	10.77	11.93	178	Pass
11ac(VHT40)	CH38	10.72	11.80	200	Pass
11ac(VHT40)	CH46	10.40	10.97	200	Pass
11ac(VHT80)	CH42	10.67	11.68	200	Pass
11ac(VHT160)	CH50	10.89	12.28	200	Pass
11ax(HE20)	CH36	10.87	12.22	189	Pass
11ax(HE20)	CH44	10.48	11.17	189	Pass
11ax(HE20)	CH48	10.53	11.30	189	Pass
11ax(HE40)	CH38	10.55	11.35	200	Pass
11ax(HE40)	CH46	10.58	11.43	200	Pass
11ax(HE80)	CH42	10.84	12.13	200	Pass
11ax(HE160)	CH50	10.75	11.89	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
11n(HT20)	CH52	10.68	11.68	890	Pass
11n(HT20)	CH60	10.64	11.58	891	Pass
11n(HT20)	CH64	10.65	11.60	891	Pass
11n(HT40)	CH54	10.43	11.04	1000	Pass
11n(HT40)	CH62	10.41	10.99	1000	Pass
11ac(VHT20)	CH52	10.74	11.84	891	Pass
11ac(VHT20)	CH60	10.74	11.84	892	Pass
11ac(VHT20)	CH64	10.66	11.63	890	Pass
11ac(VHT40)	CH54	10.43	11.04	1000	Pass
11ac(VHT40)	CH62	10.41	10.99	1000	Pass
11ac(VHT80)	CH58	10.52	11.28	1000	Pass
11ax(HE20)	CH52	10.55	11.35	948	Pass
11ax(HE20)	CH60	10.57	11.40	948	Pass
11ax(HE20)	CH64	10.49	11.19	948	Pass
11ax(HE40)	CH54	10.73	11.83	1000	Pass
11ax(HE40)	CH62	10.69	11.72	1000	Pass
11ax(HE80)	CH58	10.75	11.88	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
11n (HT20)	CH100	11.14	12.99	891	Pass
11n (HT20)	CH116	10.94	12.40	891	Pass
11n (HT20)	CH140	11.12	12.93	891	Pass
11n (HT40)	CH102	10.81	12.05	1000	Pass
11n (HT40)	CH110	10.96	12.48	1000	Pass
11n (HT40)	CH134	10.74	11.86	1000	Pass
11ac (VHT20)	CH100	11.10	12.87	890	Pass
11ac (VHT20)	CH116	10.93	12.37	890	Pass
11ac (VHT20)	CH140	11.18	13.11	891	Pass
11ac (VHT40)	CH102	10.85	12.16	1000	Pass
11ac (VHT40)	CH110	10.97	12.50	1000	Pass
11ac (VHT40)	CH134	10.71	11.78	1000	Pass
11ac (VHT80)	CH106	11.10	12.89	1000	Pass
11ac (VHT80)	CH122	10.88	12.26	1000	Pass
11ac (VHT160)	CH114	10.96	12.48	1000	Pass
11ax(HE20)	CH100	10.99	12.56	948	Pass
11ax(HE20)	CH116	10.75	11.88	947	Pass
11ax(HE20)	CH140	10.99	12.56	948	Pass
11ax(HE40)	CH102	11.09	12.85	1000	Pass
11ax(HE40)	CH110	11.12	12.94	1000	Pass
11ax(HE40)	CH134	11.01	12.62	1000	Pass
11ax(HE80)	CH106	10.79	11.99	1000	Pass
11ax(HE80)	CH122	10.98	12.53	1000	Pass
11ax(HE160)	CH114	10.86	12.20	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11n(HT20)	CH149	11.10	12.87	Pass
11n(HT20)	CH157	10.65	11.60	Pass
11n(HT20)	CH165	10.73	11.82	Pass
11n(HT40)	CH151	10.75	11.89	Pass
11n(HT40)	CH159	10.99	12.56	Pass
11ac(VHT20)	CH149	11.07	12.78	Pass
11ac(VHT20)	CH157	10.75	11.87	Pass
11ac(VHT20)	CH165	10.78	11.95	Pass
11ac(VHT40)	CH151	10.82	12.08	Pass
11ac(VHT40)	CH159	10.97	12.50	Pass
11ac(VHT80)	CH155	11.10	12.89	Pass
11ax(HE20)	CH149	10.88	12.24	Pass
11ax(HE20)	CH157	11.06	12.76	Pass
11ax(HE20)	CH165	11.04	12.70	Pass
11ax(HE40)	CH151	11.02	12.64	Pass
11ax(HE40)	CH159	11.17	13.09	Pass
11ax(HE80)	CH155	10.76	11.91	Pass

U-NII-2C straddle channel					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11n (HT20)	CH144	11.02	12.65	696	Pass
11n (HT40)	CH142	10.87	12.22	1000	Pass
11ac (VHT20)	CH144	11.18	13.12	695	Pass
11ac (VHT40)	CH142	10.83	12.11	1000	Pass
11ac (VHT80)	CH138	11.08	12.82	1000	Pass
11ax(HE20)	CH144	10.95	12.45	725	Pass
11ax(HE40)	CH142	11.06	12.76	1000	Pass
11ax(HE80)	CH138	10.79	11.99	1000	Pass

U-NII-3 straddle channel				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11n (HT20)	CH144	11.14	13.00	Pass
11n (HT40)	CH142	10.98	12.53	Pass
11ac (VHT20)	CH144	11.30	13.49	Pass
11ac (VHT40)	CH142	10.94	12.42	Pass
11ac (VHT80)	CH138	11.21	13.21	Pass
11ax(HE20)	CH144	10.95	12.45	Pass
11ax(HE40)	CH142	11.06	12.76	Pass
11ax(HE80)	CH138	10.79	11.99	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
11n(HT20)	CH36	13.60	22.89	178	Pass
11n(HT20)	CH44	13.61	22.98	178	Pass
11n(HT20)	CH48	13.65	23.18	178	Pass
11n(HT40)	CH38	13.69	23.39	250	Pass
11n(HT40)	CH46	13.53	22.53	250	Pass
11ac(VHT20)	CH36	13.62	22.99	178	Pass
11ac(VHT20)	CH44	13.65	23.15	177	Pass
11ac(VHT20)	CH48	13.72	23.56	178	Pass
11ac(VHT40)	CH38	13.70	23.45	250	Pass
11ac(VHT40)	CH46	13.52	22.50	250	Pass
11ac(VHT80)	CH42	13.52	22.48	250	Pass
11ac(VHT160)	CH50	13.69	23.40	250	Pass
11ax(HE20)	CH36	13.62	23.00	189	Pass
11ax(HE20)	CH44	13.43	22.03	189	Pass
11ax(HE20)	CH48	13.50	22.41	189	Pass
11ax(HE40)	CH38	13.42	21.99	250	Pass
11ax(HE40)	CH46	13.42	21.99	250	Pass
11ax(HE80)	CH42	13.71	23.48	250	Pass
11ax(HE160)	CH50	13.62	22.99	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
11n(HT20)	CH52	13.82	24.11	890	Pass
11n(HT20)	CH60	13.68	23.34	891	Pass
11n(HT20)	CH64	13.68	23.31	891	Pass
11n(HT40)	CH54	13.68	23.32	1000	Pass
11n(HT40)	CH62	13.60	22.91	1000	Pass
11ac(VHT20)	CH52	13.80	23.99	891	Pass
11ac(VHT20)	CH60	13.76	23.74	892	Pass
11ac(VHT20)	CH64	13.66	23.23	890	Pass
11ac(VHT40)	CH54	13.72	23.55	1000	Pass
11ac(VHT40)	CH62	13.62	23.02	1000	Pass
11ac(VHT80)	CH58	13.54	22.59	1000	Pass
11ax(HE20)	CH52	13.63	23.07	948	Pass
11ax(HE20)	CH60	13.78	23.90	948	Pass
11ax(HE20)	CH64	13.70	23.47	948	Pass
11ax(HE40)	CH54	13.68	23.33	1000	Pass
11ax(HE40)	CH62	13.85	24.28	1000	Pass
11ax(HE80)	CH58	13.77	23.85	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
11n (HT20)	CH100	14.32	27.03	890	Pass
11n (HT20)	CH116	14.10	25.72	890	Pass
11n (HT20)	CH140	14.20	26.28	891	Pass
11n (HT40)	CH102	14.22	26.41	1000	Pass
11n (HT40)	CH110	14.35	27.24	1000	Pass
11n (HT40)	CH134	14.09	25.63	1000	Pass
11ac (VHT20)	CH100	14.30	26.91	890	Pass
11ac (VHT20)	CH116	14.32	27.05	890	Pass
11ac (VHT20)	CH140	14.22	26.43	891	Pass
11ac (VHT40)	CH102	14.20	26.32	1000	Pass
11ac (VHT40)	CH110	14.38	27.40	1000	Pass
11ac (VHT40)	CH134	14.04	25.33	1000	Pass
11ac (VHT80)	CH106	14.28	26.80	1000	Pass
11ac (VHT80)	CH122	14.25	26.62	1000	Pass
11ac (VHT160)	CH114	14.37	27.37	1000	Pass
11ax(HE20)	CH100	14.13	25.89	947	Pass
11ax(HE20)	CH116	14.12	25.81	947	Pass
11ax(HE20)	CH140	14.30	26.91	948	Pass
11ax(HE40)	CH102	14.44	27.81	1000	Pass
11ax(HE40)	CH110	14.23	26.49	1000	Pass
11ax(HE40)	CH134	14.19	26.23	1000	Pass
11ax(HE80)	CH106	14.21	26.34	1000	Pass
11ax(HE80)	CH122	14.36	27.28	1000	Pass
11ax(HE160)	CH114	14.25	26.60	1000	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11n(HT20)	CH149	13.65	23.16	Pass
11n(HT20)	CH157	13.56	22.71	Pass
11n(HT20)	CH165	13.59	22.87	Pass
11n(HT40)	CH151	13.49	22.34	Pass
11n(HT40)	CH159	13.63	23.08	Pass
11ac(VHT20)	CH149	13.65	23.17	Pass
11ac(VHT20)	CH157	13.61	22.98	Pass
11ac(VHT20)	CH165	13.60	22.91	Pass
11ac(VHT40)	CH151	13.50	22.41	Pass
11ac(VHT40)	CH159	13.58	22.79	Pass
11ac(VHT80)	CH155	13.71	23.47	Pass
11ax(HE20)	CH149	13.66	23.21	Pass
11ax(HE20)	CH157	13.65	23.18	Pass
11ax(HE20)	CH165	13.61	22.96	Pass
11ax(HE40)	CH151	13.72	23.53	Pass
11ax(HE40)	CH159	13.75	23.70	Pass
11ax(HE80)	CH155	13.63	23.08	Pass

U-NII-2C straddle channel					
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	E.I.R.P Limit (mW)	Verdict
11n (HT20)	CH144	14.20	26.29	696	Pass
11n (HT40)	CH142	14.15	26.02	1000	Pass
11ac (VHT20)	CH144	14.20	26.27	695	Pass
11ac (VHT40)	CH142	14.10	25.72	1000	Pass
11ac (VHT80)	CH138	14.35	27.21	1000	Pass
11ax(HE20)	CH144	14.24	26.57	725	Pass
11ax(HE40)	CH142	14.28	26.79	1000	Pass
11ax(HE80)	CH138	14.32	27.06	1000	Pass

U-NII-3 straddle channel				
Mode	Channel	E.I.R.P (dBm)	E.I.R.P (mW)	Verdict
11n (HT20)	CH144	13.66	23.23	Pass
11n (HT40)	CH142	13.60	22.88	Pass
11ac (VHT20)	CH144	13.68	23.35	Pass
11ac (VHT40)	CH142	13.55	22.63	Pass
11ac (VHT80)	CH138	13.80	24.00	Pass
11ax(HE20)	CH144	13.62	23.04	Pass
11ax(HE40)	CH142	13.67	23.28	Pass
11ax(HE80)	CH138	13.67	23.29	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ23A0865-604 Data Part 1.pdf”.

Test Data

SISO-Main Antenna

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	23.46	16.69
11a	CH44	23.60	16.72
11a	CH48	23.65	16.73
11n(HT20)	CH36	23.73	17.76
11n(HT20)	CH44	23.82	17.77
11n(HT20)	CH48	23.78	17.76
11n(HT40)	CH38	43.78	36.12
11n(HT40)	CH46	43.87	36.12
11ac(VHT20)	CH36	24.01	17.77
11ac(VHT20)	CH44	23.68	17.76
11ac(VHT20)	CH48	23.87	17.76
11ac(VHT40)	CH38	43.50	36.12
11ac(VHT40)	CH46	44.00	36.14
11ac(VHT80)	CH42	86.79	75.43
11ac(VHT160)	CH50	164.50	154.08
11ax(HE20)	CH36	23.54	18.93
11ax(HE20)	CH44	23.87	18.93
11ax(HE20)	CH48	23.36	18.90
11ax(HE40)	CH38	43.26	37.55
11ax(HE40)	CH46	44.15	37.52
11ax(HE80)	CH42	84.07	76.86
11ax(HE160)	CH50	164.20	155.61

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	23.57	16.71
11a	CH60	23.40	16.71
11a	CH64	23.76	16.72
11n(HT20)	CH52	24.53	17.77
11n(HT20)	CH60	23.84	17.78
11n(HT20)	CH64	24.40	17.79
11n(HT40)	CH54	43.58	36.12
11n(HT40)	CH62	43.54	36.14
11ac(VHT20)	CH52	24.02	17.76
11ac(VHT20)	CH60	24.28	17.78
11ac(VHT20)	CH64	23.82	17.78
11ac(VHT40)	CH54	43.50	36.13
11ac(VHT40)	CH62	43.50	36.15
11ac(VHT80)	CH58	88.57	75.48
11ax(HE20)	CH52	23.59	18.91
11ax(HE20)	CH60	23.74	18.91
11ax(HE20)	CH64	23.44	18.92
11ax(HE40)	CH54	44.07	37.55
11ax(HE40)	CH62	42.87	37.56
11ax(HE80)	CH58	84.41	76.93

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	23.81	16.69
11a	CH116	23.64	16.69
11a	CH140	23.59	16.71
11n (HT20)	CH100	23.77	17.76
11n (HT20)	CH116	23.90	17.76
11n (HT20)	CH140	23.58	17.79
11n (HT40)	CH102	43.46	36.09
11n (HT40)	CH110	43.05	36.09
11n (HT40)	CH134	43.58	36.13
11ac (VHT20)	CH100	23.62	17.79
11ac (VHT20)	CH116	23.76	17.76
11ac (VHT20)	CH140	23.75	17.78
11ac (VHT40)	CH102	43.50	36.12
11ac (VHT40)	CH110	43.63	36.11
11ac (VHT40)	CH134	43.37	36.11
11ac (VHT80)	CH106	87.31	75.32
11ac (VHT80)	CH122	89.66	75.41
11ac (VHT160)	CH114	164.20	153.63
11ax(HE20)	CH100	23.22	18.90
11ax(HE20)	CH116	23.13	18.92
11ax(HE20)	CH140	23.63	18.92
11ax(HE40)	CH102	43.16	37.52
11ax(HE40)	CH110	43.70	37.56
11ax(HE40)	CH134	44.03	37.58
11ax(HE80)	CH106	83.81	76.72
11ax(HE80)	CH122	82.83	76.85
11ax(HE160)	CH114	164.10	155.41

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	24.28	16.93
11a	CH157	24.37	16.95
11a	CH165	24.31	16.94
11n(HT20)	CH149	24.54	18.01
11n(HT20)	CH157	24.67	18.00
11n(HT20)	CH165	24.79	18.00
11n(HT40)	CH151	44.95	36.52
11n(HT40)	CH159	44.97	36.50
11ac(VHT20)	CH149	24.84	18.01
11ac(VHT20)	CH157	23.97	17.77
11ac(VHT20)	CH165	23.86	17.75
11ac(VHT40)	CH151	43.39	36.12
11ac(VHT40)	CH159	43.58	36.13
11ac(VHT80)	CH155	88.17	75.40
11ax(HE20)	CH149	23.68	18.91
11ax(HE20)	CH157	23.49	18.90
11ax(HE20)	CH165	23.53	18.90
11ax(HE40)	CH151	44.36	37.55
11ax(HE40)	CH159	43.81	37.54
11ax(HE80)	CH155	83.53	76.88

U-NII-2C straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	16.74	13.36
11n (HT20)	CH144	17.07	13.90
11n (HT40)	CH142	36.65	33.05
11ac (VHT20)	CH144	17.06	13.89
11ac (VHT40)	CH142	36.67	33.04
11ac (VHT80)	CH138	78.73	72.55
11ax(HE20)	CH144	16.81	14.47
11ax(HE40)	CH142	36.80	33.76
11ax(HE80)	CH138	76.67	73.34

U-NII-3 straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	6.97	3.31
11n (HT20)	CH144	6.94	3.85
11n (HT40)	CH142	6.50	3.05
11ac (VHT20)	CH144	6.77	3.85
11ac (VHT40)	CH142	6.88	3.03
11ac (VHT80)	CH138	9.48	2.66
11ax(HE20)	CH144	6.62	4.42
11ax(HE40)	CH142	7.12	3.75
11ax(HE80)	CH138	7.44	3.37

SISO-Aux. Antenna

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	23.66	16.72
11a	CH44	23.56	16.73
11a	CH48	23.50	16.70
11n(HT20)	CH36	24.41	17.76
11n(HT20)	CH44	23.87	17.77
11n(HT20)	CH48	23.56	17.75
11n(HT40)	CH38	43.53	36.12
11n(HT40)	CH46	43.37	36.14
11ac(VHT20)	CH36	23.96	17.78
11ac(VHT20)	CH44	23.82	17.75
11ac(VHT20)	CH48	23.60	17.77
11ac(VHT40)	CH38	42.89	36.15
11ac(VHT40)	CH46	43.30	36.11
11ac(VHT80)	CH42	87.44	75.38
11ac(VHT160)	CH50	164.50	153.92
11ax(HE20)	CH36	23.70	18.91
11ax(HE20)	CH44	24.02	18.92
11ax(HE20)	CH48	23.55	18.91
11ax(HE40)	CH38	44.21	37.59
11ax(HE40)	CH46	43.73	37.56
11ax(HE80)	CH42	83.32	76.89
11ax(HE160)	CH50	163.90	155.82

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	23.36	16.69
11a	CH60	23.56	16.72
11a	CH64	23.60	16.70
11n(HT20)	CH52	24.22	17.75
11n(HT20)	CH60	23.83	17.77
11n(HT20)	CH64	23.84	17.79
11n(HT40)	CH54	43.63	36.13
11n(HT40)	CH62	43.52	36.15
11ac(VHT20)	CH52	23.51	17.77
11ac(VHT20)	CH60	23.84	17.80
11ac(VHT20)	CH64	23.58	17.77
11ac(VHT40)	CH54	43.44	36.17
11ac(VHT40)	CH62	43.36	36.14
11ac(VHT80)	CH58	89.05	75.48
11ax(HE20)	CH52	23.37	18.91
11ax(HE20)	CH60	23.69	18.91
11ax(HE20)	CH64	24.08	18.92
11ax(HE40)	CH54	43.22	37.55
11ax(HE40)	CH62	43.41	37.56
11ax(HE80)	CH58	84.71	76.89

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	23.61	16.68
11a	CH116	23.62	16.71
11a	CH140	23.60	16.71
11n (HT20)	CH100	24.15	17.77
11n (HT20)	CH116	23.95	17.77
11n (HT20)	CH140	23.80	17.77
11n (HT40)	CH102	43.88	36.13
11n (HT40)	CH110	43.51	36.13
11n (HT40)	CH134	43.86	36.12
11ac (VHT20)	CH100	23.87	17.77
11ac (VHT20)	CH116	24.07	17.75
11ac (VHT20)	CH140	23.65	17.78
11ac (VHT40)	CH102	44.06	36.11
11ac (VHT40)	CH110	43.42	36.10
11ac (VHT40)	CH134	43.77	36.11
11ac (VHT80)	CH106	87.02	75.25
11ac (VHT80)	CH122	88.39	75.35
11ac (VHT160)	CH114	164.20	153.55
11ax(HE20)	CH100	23.34	18.92
11ax(HE20)	CH116	23.88	18.90
11ax(HE20)	CH140	23.49	18.91
11ax(HE40)	CH102	43.44	37.50
11ax(HE40)	CH110	44.37	37.52
11ax(HE40)	CH134	42.84	37.56
11ax(HE80)	CH106	83.53	76.77
11ax(HE80)	CH122	83.53	76.76
11ax(HE160)	CH114	163.90	155.17

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	23.78	16.70
11a	CH157	23.62	16.72
11a	CH165	23.88	16.70
11n(HT20)	CH149	23.65	17.74
11n(HT20)	CH157	23.72	17.77
11n(HT20)	CH165	23.95	17.77
11n(HT40)	CH151	43.59	36.13
11n(HT40)	CH159	43.80	36.15
11ac(VHT20)	CH149	23.62	17.76
11ac(VHT20)	CH157	23.48	17.78
11ac(VHT20)	CH165	23.59	17.77
11ac(VHT40)	CH151	44.04	36.16
11ac(VHT40)	CH159	43.87	36.13
11ac(VHT80)	CH155	90.63	75.43
11ax(HE20)	CH149	24.12	18.91
11ax(HE20)	CH157	23.91	18.90
11ax(HE20)	CH165	23.29	18.93
11ax(HE40)	CH151	44.02	37.53
11ax(HE40)	CH159	43.38	37.55
11ax(HE80)	CH155	83.60	76.82

U-NII-2C straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	16.71	13.35
11n (HT20)	CH144	17.04	13.89
11n (HT40)	CH142	36.62	33.05
11ac (VHT20)	CH144	16.81	13.87
11ac (VHT40)	CH142	36.73	33.05
11ac (VHT80)	CH138	78.32	72.53
11ax(HE20)	CH144	17.12	14.46
11ax(HE40)	CH142	36.62	33.77
11ax(HE80)	CH138	76.35	73.36

U-NII-3 straddle channel			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH144	6.93	3.31
11n (HT20)	CH144	6.68	3.85
11n (HT40)	CH142	6.55	3.04
11ac (VHT20)	CH144	6.89	3.85
11ac (VHT40)	CH142	6.79	3.02
11ac (VHT80)	CH138	9.15	2.61
11ax(HE20)	CH144	6.84	4.43
11ax(HE40)	CH142	6.76	3.77
11ax(HE80)	CH138	7.19	3.37

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ23A0865-604 Data Part 2.pdf”.

Test Data

SISO-Main Antenna

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.45	500.00	Pass
11a	CH157	16.45	500.00	Pass
11a	CH165	16.45	500.00	Pass
11n(HT20)	CH149	17.65	500.00	Pass
11n(HT20)	CH157	17.70	500.00	Pass
11n(HT20)	CH165	17.70	500.00	Pass
11n(HT40)	CH151	36.45	500.00	Pass
11n(HT40)	CH159	36.40	500.00	Pass
11ac(VHT20)	CH149	17.70	500.00	Pass
11ac(VHT20)	CH157	15.25	500.00	Pass
11ac(VHT20)	CH165	15.45	500.00	Pass
11ac(VHT40)	CH151	35.20	500.00	Pass
11ac(VHT40)	CH159	35.20	500.00	Pass
11ac(VHT80)	CH155	75.15	500.00	Pass
11ax(HE20)	CH149	16.85	500.00	Pass
11ax(HE20)	CH157	16.20	500.00	Pass
11ax(HE20)	CH165	16.15	500.00	Pass
11ax(HE40)	CH151	36.15	500.00	Pass
11ax(HE40)	CH159	35.45	500.00	Pass
11ax(HE80)	CH155	75.15	500.00	Pass

U-NII-3 straddle channel				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH144	11.50	500.00	Pass
11n (HT20)	CH144	11.50	500.00	Pass
11n (HT40)	CH142	11.45	500.00	Pass
11ac (VHT20)	CH144	11.45	500.00	Pass
11ac (VHT40)	CH142	25.15	500.00	Pass
11ac (VHT80)	CH138	32.70	500.00	Pass
11ax(HE20)	CH144	11.90	500.00	Pass
11ax(HE40)	CH142	15.40	500.00	Pass
11ax(HE80)	CH138	55.15	500.00	Pass

SISO-Aux. Antenna

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.15	500.00	Pass
11a	CH157	15.20	500.00	Pass
11a	CH165	15.20	500.00	Pass
11n(HT20)	CH149	15.25	500.00	Pass
11n(HT20)	CH157	15.15	500.00	Pass
11n(HT20)	CH165	15.20	500.00	Pass
11n(HT40)	CH151	35.15	500.00	Pass
11n(HT40)	CH159	35.20	500.00	Pass
11ac(VHT20)	CH149	15.20	500.00	Pass
11ac(VHT20)	CH157	15.25	500.00	Pass
11ac(VHT20)	CH165	15.20	500.00	Pass
11ac(VHT40)	CH151	35.20	500.00	Pass
11ac(VHT40)	CH159	35.10	500.00	Pass
11ac(VHT80)	CH155	75.15	500.00	Pass
11ax(HE20)	CH149	16.40	500.00	Pass
11ax(HE20)	CH157	17.55	500.00	Pass
11ax(HE20)	CH165	16.35	500.00	Pass
11ax(HE40)	CH151	34.90	500.00	Pass
11ax(HE40)	CH159	36.10	500.00	Pass
11ax(HE80)	CH155	75.15	500.00	Pass

U-NII-3 straddle channel				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH144	11.45	500.00	Pass
11n (HT20)	CH144	11.75	500.00	Pass
11n (HT40)	CH142	30.20	500.00	Pass
11ac (VHT20)	CH144	12.70	500.00	Pass
11ac (VHT40)	CH142	30.20	500.00	Pass
11ac (VHT80)	CH138	65.20	500.00	Pass
11ax(HE20)	CH144	15.25	500.00	Pass
11ax(HE40)	CH142	25.80	500.00	Pass
11ax(HE80)	CH138	55.15	500.00	Pass

A.4 Power Spectral Density

Note : Test plots please refer to the document “Annex No.: BL-SZ23A0865-604 Data Part 3.pdf”.

SISO-Main Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	0.73	11.00	Pass
11a	CH44	0.33	11.00	Pass
11a	CH48	0.38	11.00	Pass
11n(HT20)	CH36	0.48	11.00	Pass
11n(HT20)	CH44	0.07	11.00	Pass
11n(HT20)	CH48	0.20	11.00	Pass
11n(HT40)	CH38	-2.77	11.00	Pass
11n(HT40)	CH46	-3.33	11.00	Pass
11ac(VHT20)	CH36	0.45	11.00	Pass
11ac(VHT20)	CH44	0.50	11.00	Pass
11ac(VHT20)	CH48	0.04	11.00	Pass
11ac(VHT40)	CH38	-2.77	11.00	Pass
11ac(VHT40)	CH46	-3.22	11.00	Pass
11ac(VHT80)	CH42	-5.86	11.00	Pass
11ac(VHT160)	CH50	-9.52	11.00	Pass
11ax(HE20)	CH36	0.46	11.00	Pass
11ax(HE20)	CH44	0.09	11.00	Pass
11ax(HE20)	CH48	0.13	11.00	Pass
11ax(HE40)	CH38	-3.38	11.00	Pass
11ax(HE40)	CH46	-3.34	11.00	Pass
11ax(HE80)	CH42	-6.41	11.00	Pass
11ax(HE160)	CH50	-9.72	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	-0.04	11.00	Pass
11a	CH60	-0.14	11.00	Pass
11a	CH64	-0.03	11.00	Pass
11n(HT20)	CH52	-0.28	11.00	Pass
11n(HT20)	CH60	-0.41	11.00	Pass
11n(HT20)	CH64	-0.47	11.00	Pass
11n(HT40)	CH54	-3.47	11.00	Pass
11n(HT40)	CH62	-3.63	11.00	Pass
11ac(VHT20)	CH52	-0.24	11.00	Pass
11ac(VHT20)	CH60	0.14	11.00	Pass
11ac(VHT20)	CH64	0.11	11.00	Pass
11ac(VHT40)	CH54	-3.54	11.00	Pass
11ac(VHT40)	CH62	-3.65	11.00	Pass
11ac(VHT80)	CH58	-6.49	11.00	Pass
11ax(HE20)	CH52	-0.22	11.00	Pass
11ax(HE20)	CH60	-0.31	11.00	Pass
11ax(HE20)	CH64	-0.31	11.00	Pass
11ax(HE40)	CH54	-3.54	11.00	Pass
11ax(HE40)	CH62	-3.62	11.00	Pass
11ax(HE80)	CH58	-6.83	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	1.01	11.00	Pass
11a	CH116	0.48	11.00	Pass
11a	CH140	0.53	11.00	Pass
11n (HT20)	CH100	0.67	11.00	Pass
11n (HT20)	CH116	0.15	11.00	Pass
11n (HT20)	CH140	0.10	11.00	Pass
11n (HT40)	CH102	-3.08	11.00	Pass
11n (HT40)	CH110	-2.96	11.00	Pass
11n (HT40)	CH134	-2.88	11.00	Pass
11ac (VHT20)	CH100	-0.54	11.00	Pass
11ac (VHT20)	CH116	0.06	11.00	Pass
11ac (VHT20)	CH140	0.16	11.00	Pass
11ac (VHT40)	CH102	-2.90	11.00	Pass
11ac (VHT40)	CH110	-2.90	11.00	Pass
11ac (VHT40)	CH134	-3.29	11.00	Pass
11ac (VHT80)	CH106	-6.06	11.00	Pass
11ac (VHT80)	CH122	-6.01	11.00	Pass
11ac (VHT160)	CH114	-8.63	11.00	Pass
11ax(HE20)	CH100	0.17	11.00	Pass
11ax(HE20)	CH116	0.26	11.00	Pass
11ax(HE20)	CH140	-0.22	11.00	Pass
11ax(HE40)	CH102	-3.48	11.00	Pass
11ax(HE40)	CH110	-3.29	11.00	Pass
11ax(HE40)	CH134	-3.47	11.00	Pass
11ax(HE80)	CH106	-6.24	11.00	Pass
11ax(HE80)	CH122	-6.19	11.00	Pass
11ax(HE160)	CH114	-8.84	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-3.52	30.00	Pass
11a	CH157	-4.12	30.00	Pass
11a	CH165	-3.79	30.00	Pass
11n(HT20)	CH149	-3.69	30.00	Pass
11n(HT20)	CH157	-4.15	30.00	Pass
11n(HT20)	CH165	-4.22	30.00	Pass
11n(HT40)	CH151	-6.70	30.00	Pass
11n(HT40)	CH159	-6.84	30.00	Pass
11ac(VHT20)	CH149	-4.02	30.00	Pass
11ac(VHT20)	CH157	-2.60	30.00	Pass
11ac(VHT20)	CH165	-2.53	30.00	Pass
11ac(VHT40)	CH151	-5.72	30.00	Pass
11ac(VHT40)	CH159	-5.93	30.00	Pass
11ac(VHT80)	CH155	-8.85	30.00	Pass
11ax(HE20)	CH149	-2.75	30.00	Pass
11ax(HE20)	CH157	-2.67	30.00	Pass
11ax(HE20)	CH165	-2.78	30.00	Pass
11ax(HE40)	CH151	-6.10	30.00	Pass
11ax(HE40)	CH159	-6.37	30.00	Pass
11ax(HE80)	CH155	-9.21	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH144	0.88	11.00	Pass
11n (HT20)	CH144	0.55	11.00	Pass
11n (HT40)	CH142	-2.54	11.00	Pass
11ac (VHT20)	CH144	0.54	11.00	Pass
11ac (VHT40)	CH142	-2.91	11.00	Pass
11ac (VHT80)	CH138	-5.78	11.00	Pass
11ax(HE20)	CH144	0.35	11.00	Pass
11ax(HE40)	CH142	-2.86	11.00	Pass
11ax(HE80)	CH138	-5.65	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH144	-1.83	30.00	Pass
11n (HT20)	CH144	-2.15	30.00	Pass
11n (HT40)	CH142	-5.28	30.00	Pass
11ac (VHT20)	CH144	-2.16	30.00	Pass
11ac (VHT40)	CH142	-5.78	30.00	Pass
11ac (VHT80)	CH138	-8.63	30.00	Pass
11ax(HE20)	CH144	-2.58	30.00	Pass
11ax(HE40)	CH142	-5.79	30.00	Pass
11ax(HE80)	CH138	-8.64	30.00	Pass

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U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	0.64	11.00	Pass
11a	CH44	0.37	11.00	Pass
11a	CH48	0.46	11.00	Pass
11n(HT20)	CH36	0.39	11.00	Pass
11n(HT20)	CH44	0.20	11.00	Pass
11n(HT20)	CH48	0.20	11.00	Pass
11n(HT40)	CH38	-3.03	11.00	Pass
11n(HT40)	CH46	-3.57	11.00	Pass
11ac(VHT20)	CH36	0.39	11.00	Pass
11ac(VHT20)	CH44	0.16	11.00	Pass
11ac(VHT20)	CH48	0.17	11.00	Pass
11ac(VHT40)	CH38	-3.02	11.00	Pass
11ac(VHT40)	CH46	-2.96	11.00	Pass
11ac(VHT80)	CH42	-5.93	11.00	Pass
11ac(VHT160)	CH50	-9.13	11.00	Pass
11ax(HE20)	CH36	0.69	11.00	Pass
11ax(HE20)	CH44	0.04	11.00	Pass
11ax(HE20)	CH48	-0.06	11.00	Pass
11ax(HE40)	CH38	-2.81	11.00	Pass
11ax(HE40)	CH46	-3.44	11.00	Pass
11ax(HE80)	CH42	-5.89	11.00	Pass
11ax(HE160)	CH50	-9.25	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	0.38	11.00	Pass
11a	CH60	0.46	11.00	Pass
11a	CH64	0.36	11.00	Pass
11n(HT20)	CH52	0.16	11.00	Pass
11n(HT20)	CH60	0.14	11.00	Pass
11n(HT20)	CH64	0.20	11.00	Pass
11n(HT40)	CH54	-3.54	11.00	Pass
11n(HT40)	CH62	-3.42	11.00	Pass
11ac(VHT20)	CH52	0.22	11.00	Pass
11ac(VHT20)	CH60	0.13	11.00	Pass
11ac(VHT20)	CH64	0.12	11.00	Pass
11ac(VHT40)	CH54	-3.72	11.00	Pass
11ac(VHT40)	CH62	-3.19	11.00	Pass
11ac(VHT80)	CH58	-6.63	11.00	Pass
11ax(HE20)	CH52	-0.31	11.00	Pass
11ax(HE20)	CH60	-0.35	11.00	Pass
11ax(HE20)	CH64	-0.38	11.00	Pass
11ax(HE40)	CH54	-3.71	11.00	Pass
11ax(HE40)	CH62	-3.62	11.00	Pass
11ax(HE80)	CH58	-6.50	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	0.95	11.00	Pass
11a	CH116	0.76	11.00	Pass
11a	CH140	1.00	11.00	Pass
11n (HT20)	CH100	0.69	11.00	Pass
11n (HT20)	CH116	0.46	11.00	Pass
11n (HT20)	CH140	0.71	11.00	Pass
11n (HT40)	CH102	-2.89	11.00	Pass
11n (HT40)	CH110	-2.84	11.00	Pass
11n (HT40)	CH134	-3.10	11.00	Pass
11ac (VHT20)	CH100	0.73	11.00	Pass
11ac (VHT20)	CH116	0.51	11.00	Pass
11ac (VHT20)	CH140	0.75	11.00	Pass
11ac (VHT40)	CH102	-2.93	11.00	Pass
11ac (VHT40)	CH110	-2.81	11.00	Pass
11ac (VHT40)	CH134	-3.00	11.00	Pass
11ac (VHT80)	CH106	-5.56	11.00	Pass
11ac (VHT80)	CH122	-5.88	11.00	Pass
11ac (VHT160)	CH114	-8.47	11.00	Pass
11ax(HE20)	CH100	0.47	11.00	Pass
11ax(HE20)	CH116	0.70	11.00	Pass
11ax(HE20)	CH140	0.49	11.00	Pass
11ax(HE40)	CH102	-2.80	11.00	Pass
11ax(HE40)	CH110	-2.67	11.00	Pass
11ax(HE40)	CH134	-2.88	11.00	Pass
11ax(HE80)	CH106	-5.95	11.00	Pass
11ax(HE80)	CH122	-5.80	11.00	Pass
11ax(HE160)	CH114	-8.72	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-2.27	30.00	Pass
11a	CH157	-2.74	30.00	Pass
11a	CH165	-2.56	30.00	Pass
11n(HT20)	CH149	-2.34	30.00	Pass
11n(HT20)	CH157	-2.57	30.00	Pass
11n(HT20)	CH165	-2.51	30.00	Pass
11n(HT40)	CH151	-6.31	30.00	Pass
11n(HT40)	CH159	-6.30	30.00	Pass
11ac(VHT20)	CH149	-2.52	30.00	Pass
11ac(VHT20)	CH157	-3.14	30.00	Pass
11ac(VHT20)	CH165	-3.05	30.00	Pass
11ac(VHT40)	CH151	-6.33	30.00	Pass
11ac(VHT40)	CH159	-6.26	30.00	Pass
11ac(VHT80)	CH155	-9.23	30.00	Pass
11ax(HE20)	CH149	-2.99	30.00	Pass
11ax(HE20)	CH157	-2.90	30.00	Pass
11ax(HE20)	CH165	-2.92	30.00	Pass
11ax(HE40)	CH151	-6.27	30.00	Pass
11ax(HE40)	CH159	-6.26	30.00	Pass
11ax(HE80)	CH155	-9.52	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH144	0.54	11.00	Pass
11n (HT20)	CH144	0.61	11.00	Pass
11n (HT40)	CH142	-2.35	11.00	Pass
11ac (VHT20)	CH144	0.78	11.00	Pass
11ac (VHT40)	CH142	-2.36	11.00	Pass
11ac (VHT80)	CH138	-5.69	11.00	Pass
11ax(HE20)	CH144	0.89	11.00	Pass
11ax(HE40)	CH142	-2.71	11.00	Pass
11ax(HE80)	CH138	-5.45	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH144	-1.83	30.00	Pass
11n (HT20)	CH144	-2.13	30.00	Pass
11n (HT40)	CH142	-5.16	30.00	Pass
11ac (VHT20)	CH144	-2.08	30.00	Pass
11ac (VHT40)	CH142	-5.17	30.00	Pass
11ac (VHT80)	CH138	-8.56	30.00	Pass
11ax(HE20)	CH144	-1.92	30.00	Pass
11ax(HE40)	CH142	-5.63	30.00	Pass
11ax(HE80)	CH138	-8.40	30.00	Pass

MIMO-Main Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n(HT20)	CH36	-2.53	11.00	Pass
11n(HT20)	CH44	-2.85	11.00	Pass
11n(HT20)	CH48	-2.86	11.00	Pass
11n(HT40)	CH38	-5.90	11.00	Pass
11n(HT40)	CH46	-6.33	11.00	Pass
11ac(VHT20)	CH36	-2.57	11.00	Pass
11ac(VHT20)	CH44	-2.94	11.00	Pass
11ac(VHT20)	CH48	-2.89	11.00	Pass
11ac(VHT40)	CH38	-5.92	11.00	Pass
11ac(VHT40)	CH46	-6.33	11.00	Pass
11ac(VHT80)	CH42	-9.43	11.00	Pass
11ac(VHT160)	CH50	-12.49	11.00	Pass
11ax(HE20)	CH36	-2.87	11.00	Pass
11ax(HE20)	CH44	-3.24	11.00	Pass
11ax(HE20)	CH48	-3.24	11.00	Pass
11ax(HE40)	CH38	-6.30	11.00	Pass
11ax(HE40)	CH46	-6.80	11.00	Pass
11ax(HE80)	CH42	-9.24	11.00	Pass
11ax(HE160)	CH50	-12.67	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n(HT20)	CH52	-3.13	11.00	Pass
11n(HT20)	CH60	-3.22	11.00	Pass
11n(HT20)	CH64	-3.18	11.00	Pass
11n(HT40)	CH54	-6.48	11.00	Pass
11n(HT40)	CH62	-6.45	11.00	Pass
11ac(VHT20)	CH52	-3.02	11.00	Pass
11ac(VHT20)	CH60	-3.20	11.00	Pass
11ac(VHT20)	CH64	-3.15	11.00	Pass
11ac(VHT40)	CH54	-6.53	11.00	Pass
11ac(VHT40)	CH62	-6.58	11.00	Pass
11ac(VHT80)	CH58	-9.91	11.00	Pass
11ax(HE20)	CH52	-3.46	11.00	Pass
11ax(HE20)	CH60	-3.05	11.00	Pass
11ax(HE20)	CH64	-3.14	11.00	Pass
11ax(HE40)	CH54	-7.15	11.00	Pass
11ax(HE40)	CH62	-6.48	11.00	Pass
11ax(HE80)	CH58	-10.09	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n (HT20)	CH100	-2.43	11.00	Pass
11n (HT20)	CH116	-2.89	11.00	Pass
11n (HT20)	CH140	-2.83	11.00	Pass
11n (HT40)	CH102	-5.78	11.00	Pass
11n (HT40)	CH110	-5.65	11.00	Pass
11n (HT40)	CH134	-6.19	11.00	Pass
11ac (VHT20)	CH100	-2.44	11.00	Pass
11ac (VHT20)	CH116	-2.33	11.00	Pass
11ac (VHT20)	CH140	-2.79	11.00	Pass
11ac (VHT40)	CH102	-5.77	11.00	Pass
11ac (VHT40)	CH110	-5.69	11.00	Pass
11ac (VHT40)	CH134	-6.21	11.00	Pass
11ac (VHT80)	CH106	-8.95	11.00	Pass
11ac (VHT80)	CH122	-8.98	11.00	Pass
11ac (VHT160)	CH114	-11.33	11.00	Pass
11ax(HE20)	CH100	-2.88	11.00	Pass
11ax(HE20)	CH116	-2.74	11.00	Pass
11ax(HE20)	CH140	-2.66	11.00	Pass
11ax(HE40)	CH102	-5.81	11.00	Pass
11ax(HE40)	CH110	-6.24	11.00	Pass
11ax(HE40)	CH134	-6.31	11.00	Pass
11ax(HE80)	CH106	-8.95	11.00	Pass
11ax(HE80)	CH122	-8.93	11.00	Pass
11ax(HE160)	CH114	-11.63	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11n(HT20)	CH149	-5.87	30.00	Pass
11n(HT20)	CH157	-5.69	30.00	Pass
11n(HT20)	CH165	-5.76	30.00	Pass
11n(HT40)	CH151	-9.24	30.00	Pass
11n(HT40)	CH159	-9.41	30.00	Pass
11ac(VHT20)	CH149	-5.89	30.00	Pass
11ac(VHT20)	CH157	-5.76	30.00	Pass
11ac(VHT20)	CH165	-5.72	30.00	Pass
11ac(VHT40)	CH151	-9.28	30.00	Pass
11ac(VHT40)	CH159	-9.52	30.00	Pass
11ac(VHT80)	CH155	-12.36	30.00	Pass
11ax(HE20)	CH149	-5.68	30.00	Pass
11ax(HE20)	CH157	-6.22	30.00	Pass
11ax(HE20)	CH165	-6.19	30.00	Pass
11ax(HE40)	CH151	-9.21	30.00	Pass
11ax(HE40)	CH159	-9.44	30.00	Pass
11ax(HE80)	CH155	-12.21	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n (HT20)	CH144	-2.76	11.00	Pass
11n (HT40)	CH142	-6.67	11.00	Pass
11ac (VHT20)	CH144	-2.77	11.00	Pass
11ac (VHT40)	CH142	-6.69	11.00	Pass
11ac (VHT80)	CH138	-9.38	11.00	Pass
11ax(HE20)	CH144	-3.14	11.00	Pass
11ax(HE40)	CH142	-7.11	11.00	Pass
11ax(HE80)	CH138	-9.83	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11n (HT20)	CH144	-5.54	30.00	Pass
11n (HT40)	CH142	-9.46	30.00	Pass
11ac (VHT20)	CH144	-5.56	30.00	Pass
11ac (VHT40)	CH142	-9.44	30.00	Pass
11ac (VHT80)	CH138	-12.17	30.00	Pass
11ax(HE20)	CH144	-5.94	30.00	Pass
11ax(HE40)	CH142	-9.88	30.00	Pass
11ax(HE80)	CH138	-12.58	30.00	Pass

MIMO-Aux. Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n(HT20)	CH36	-2.72	11.00	Pass
11n(HT20)	CH44	-2.88	11.00	Pass
11n(HT20)	CH48	-2.91	11.00	Pass
11n(HT40)	CH38	-6.13	11.00	Pass
11n(HT40)	CH46	-6.66	11.00	Pass
11ac(VHT20)	CH36	-2.77	11.00	Pass
11ac(VHT20)	CH44	-2.92	11.00	Pass
11ac(VHT20)	CH48	-2.81	11.00	Pass
11ac(VHT40)	CH38	-6.05	11.00	Pass
11ac(VHT40)	CH46	-6.64	11.00	Pass
11ac(VHT80)	CH42	-9.21	11.00	Pass
11ac(VHT160)	CH50	-12.11	11.00	Pass
11ax(HE20)	CH36	-2.51	11.00	Pass
11ax(HE20)	CH44	-3.18	11.00	Pass
11ax(HE20)	CH48	-3.19	11.00	Pass
11ax(HE40)	CH38	-5.93	11.00	Pass
11ax(HE40)	CH46	-6.48	11.00	Pass
11ax(HE80)	CH42	-8.93	11.00	Pass
11ax(HE160)	CH50	-12.38	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n(HT20)	CH52	-2.86	11.00	Pass
11n(HT20)	CH60	-2.95	11.00	Pass
11n(HT20)	CH64	-2.94	11.00	Pass
11n(HT40)	CH54	-6.64	11.00	Pass
11n(HT40)	CH62	-6.60	11.00	Pass
11ac(VHT20)	CH52	-2.89	11.00	Pass
11ac(VHT20)	CH60	-2.98	11.00	Pass
11ac(VHT20)	CH64	-2.94	11.00	Pass
11ac(VHT40)	CH54	-6.67	11.00	Pass
11ac(VHT40)	CH62	-6.61	11.00	Pass
11ac(VHT80)	CH58	-9.63	11.00	Pass
11ax(HE20)	CH52	-3.31	11.00	Pass
11ax(HE20)	CH60	-3.30	11.00	Pass
11ax(HE20)	CH64	-3.30	11.00	Pass
11ax(HE40)	CH54	-6.59	11.00	Pass
11ax(HE40)	CH62	-6.50	11.00	Pass
11ax(HE80)	CH58	-9.44	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n (HT20)	CH100	-2.21	11.00	Pass
11n (HT20)	CH116	-2.44	11.00	Pass
11n (HT20)	CH140	-2.19	11.00	Pass
11n (HT40)	CH102	-5.88	11.00	Pass
11n (HT40)	CH110	-5.76	11.00	Pass
11n (HT40)	CH134	-5.93	11.00	Pass
11ac (VHT20)	CH100	-2.28	11.00	Pass
11ac (VHT20)	CH116	-2.48	11.00	Pass
11ac (VHT20)	CH140	-2.24	11.00	Pass
11ac (VHT40)	CH102	-5.94	11.00	Pass
11ac (VHT40)	CH110	-5.80	11.00	Pass
11ac (VHT40)	CH134	-6.04	11.00	Pass
11ac (VHT80)	CH106	-8.59	11.00	Pass
11ac (VHT80)	CH122	-9.06	11.00	Pass
11ac (VHT160)	CH114	-11.46	11.00	Pass
11ax(HE20)	CH100	-2.67	11.00	Pass
11ax(HE20)	CH116	-2.97	11.00	Pass
11ax(HE20)	CH140	-2.60	11.00	Pass
11ax(HE40)	CH102	-5.83	11.00	Pass
11ax(HE40)	CH110	-5.79	11.00	Pass
11ax(HE40)	CH134	-5.98	11.00	Pass
11ax(HE80)	CH106	-8.94	11.00	Pass
11ax(HE80)	CH122	-8.77	11.00	Pass
11ax(HE160)	CH114	-11.57	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11n(HT20)	CH149	-6.37	30.00	Pass
11n(HT20)	CH157	-6.09	30.00	Pass
11n(HT20)	CH165	-5.96	30.00	Pass
11n(HT40)	CH151	-9.13	30.00	Pass
11n(HT40)	CH159	-9.12	30.00	Pass
11ac(VHT20)	CH149	-5.47	30.00	Pass
11ac(VHT20)	CH157	-6.01	30.00	Pass
11ac(VHT20)	CH165	-5.86	30.00	Pass
11ac(VHT40)	CH151	-9.17	30.00	Pass
11ac(VHT40)	CH159	-9.11	30.00	Pass
11ac(VHT80)	CH155	-12.07	30.00	Pass
11ax(HE20)	CH149	-5.87	30.00	Pass
11ax(HE20)	CH157	-5.82	30.00	Pass
11ax(HE20)	CH165	-5.83	30.00	Pass
11ax(HE40)	CH151	-9.12	30.00	Pass
11ax(HE40)	CH159	-9.07	30.00	Pass
11ax(HE80)	CH155	-12.47	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n (HT20)	CH144	-2.34	11.00	Pass
11n (HT40)	CH142	-5.40	11.00	Pass
11ac (VHT20)	CH144	-2.35	11.00	Pass
11ac (VHT40)	CH142	-5.38	11.00	Pass
11ac (VHT80)	CH138	-8.22	11.00	Pass
11ax(HE20)	CH144	-2.13	11.00	Pass
11ax(HE40)	CH142	-5.35	11.00	Pass
11ax(HE80)	CH138	-8.10	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11n (HT20)	CH144	-5.15	30.00	Pass
11n (HT40)	CH142	-8.20	30.00	Pass
11ac (VHT20)	CH144	-5.11	30.00	Pass
11ac (VHT40)	CH142	-8.23	30.00	Pass
11ac (VHT80)	CH138	-11.06	30.00	Pass
11ax(HE20)	CH144	-5.00	30.00	Pass
11ax(HE40)	CH142	-8.16	30.00	Pass
11ax(HE80)	CH138	-10.95	30.00	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n(HT20)	CH36	0.38	11.00	Pass
11n(HT20)	CH44	0.14	11.00	Pass
11n(HT20)	CH48	0.13	11.00	Pass
11n(HT40)	CH38	-3.00	11.00	Pass
11n(HT40)	CH46	-3.49	11.00	Pass
11ac(VHT20)	CH36	0.34	11.00	Pass
11ac(VHT20)	CH44	0.08	11.00	Pass
11ac(VHT20)	CH48	0.16	11.00	Pass
11ac(VHT40)	CH38	-2.97	11.00	Pass
11ac(VHT40)	CH46	-3.47	11.00	Pass
11ac(VHT80)	CH42	-6.31	11.00	Pass
11ac(VHT160)	CH50	-9.28	11.00	Pass
11ax(HE20)	CH36	0.32	11.00	Pass
11ax(HE20)	CH44	-0.20	11.00	Pass
11ax(HE20)	CH48	-0.20	11.00	Pass
11ax(HE40)	CH38	-3.10	11.00	Pass
11ax(HE40)	CH46	-3.63	11.00	Pass
11ax(HE80)	CH42	-6.07	11.00	Pass
11ax(HE160)	CH50	-9.51	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n(HT20)	CH52	0.02	11.00	Pass
11n(HT20)	CH60	-0.07	11.00	Pass
11n(HT20)	CH64	-0.05	11.00	Pass
11n(HT40)	CH54	-3.55	11.00	Pass
11n(HT40)	CH62	-3.52	11.00	Pass
11ac(VHT20)	CH52	0.06	11.00	Pass
11ac(VHT20)	CH60	-0.08	11.00	Pass
11ac(VHT20)	CH64	-0.03	11.00	Pass
11ac(VHT40)	CH54	-3.58	11.00	Pass
11ac(VHT40)	CH62	-3.59	11.00	Pass
11ac(VHT80)	CH58	-6.76	11.00	Pass
11ax(HE20)	CH52	-0.37	11.00	Pass
11ax(HE20)	CH60	-0.16	11.00	Pass
11ax(HE20)	CH64	-0.21	11.00	Pass
11ax(HE40)	CH54	-3.85	11.00	Pass
11ax(HE40)	CH62	-3.48	11.00	Pass
11ax(HE80)	CH58	-6.74	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n (HT20)	CH100	0.69	11.00	Pass
11n (HT20)	CH116	0.35	11.00	Pass
11n (HT20)	CH140	0.51	11.00	Pass
11n (HT40)	CH102	-2.82	11.00	Pass
11n (HT40)	CH110	-2.69	11.00	Pass
11n (HT40)	CH134	-3.05	11.00	Pass
11ac (VHT20)	CH100	0.65	11.00	Pass
11ac (VHT20)	CH116	0.61	11.00	Pass
11ac (VHT20)	CH140	0.51	11.00	Pass
11ac (VHT40)	CH102	-2.84	11.00	Pass
11ac (VHT40)	CH110	-2.74	11.00	Pass
11ac (VHT40)	CH134	-3.11	11.00	Pass
11ac (VHT80)	CH106	-5.76	11.00	Pass
11ac (VHT80)	CH122	-6.01	11.00	Pass
11ac (VHT160)	CH114	-8.38	11.00	Pass
11ax(HE20)	CH100	0.24	11.00	Pass
11ax(HE20)	CH116	0.16	11.00	Pass
11ax(HE20)	CH140	0.38	11.00	Pass
11ax(HE40)	CH102	-2.81	11.00	Pass
11ax(HE40)	CH110	-3.00	11.00	Pass
11ax(HE40)	CH134	-3.13	11.00	Pass
11ax(HE80)	CH106	-5.93	11.00	Pass
11ax(HE80)	CH122	-5.83	11.00	Pass
11ax(HE160)	CH114	-8.59	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11n(HT20)	CH149	-3.10	30.00	Pass
11n(HT20)	CH157	-2.87	30.00	Pass
11n(HT20)	CH165	-2.85	30.00	Pass
11n(HT40)	CH151	-6.17	30.00	Pass
11n(HT40)	CH159	-6.25	30.00	Pass
11ac(VHT20)	CH149	-2.66	30.00	Pass
11ac(VHT20)	CH157	-2.87	30.00	Pass
11ac(VHT20)	CH165	-2.78	30.00	Pass
11ac(VHT40)	CH151	-6.22	30.00	Pass
11ac(VHT40)	CH159	-6.30	30.00	Pass
11ac(VHT80)	CH155	-9.20	30.00	Pass
11ax(HE20)	CH149	-2.76	30.00	Pass
11ax(HE20)	CH157	-3.01	30.00	Pass
11ax(HE20)	CH165	-3.00	30.00	Pass
11ax(HE40)	CH151	-6.15	30.00	Pass
11ax(HE40)	CH159	-6.24	30.00	Pass
11ax(HE80)	CH155	-9.33	30.00	Pass

U-NII-2C straddle channel				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11n (HT20)	CH144	0.47	11.00	Pass
11n (HT40)	CH142	-2.98	11.00	Pass
11ac (VHT20)	CH144	0.46	11.00	Pass
11ac (VHT40)	CH142	-2.97	11.00	Pass
11ac (VHT80)	CH138	-5.75	11.00	Pass
11ax(HE20)	CH144	0.41	11.00	Pass
11ax(HE40)	CH142	-3.13	11.00	Pass
11ax(HE80)	CH138	-5.87	11.00	Pass

U-NII-3 straddle channel				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11n (HT20)	CH144	-2.33	30.00	Pass
11n (HT40)	CH142	-5.77	30.00	Pass
11ac (VHT20)	CH144	-2.32	30.00	Pass
11ac (VHT40)	CH142	-5.78	30.00	Pass
11ac (VHT80)	CH138	-8.57	30.00	Pass
11ax(HE20)	CH144	-2.43	30.00	Pass
11ax(HE40)	CH142	-5.93	30.00	Pass
11ax(HE80)	CH138	-8.68	30.00	Pass

E.I.R.P PSD

SISO-Main Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	2.43	10.00	Pass
11a	CH44	2.03	10.00	Pass
11a	CH48	2.08	10.00	Pass
11n(HT20)	CH36	2.18	10.00	Pass
11n(HT20)	CH44	1.77	10.00	Pass
11n(HT20)	CH48	1.90	10.00	Pass
11n(HT40)	CH38	-1.07	10.00	Pass
11n(HT40)	CH46	-1.63	10.00	Pass
11ac(VHT20)	CH36	2.15	10.00	Pass
11ac(VHT20)	CH44	2.20	10.00	Pass
11ac(VHT20)	CH48	1.74	10.00	Pass
11ac(VHT40)	CH38	-1.07	10.00	Pass
11ac(VHT40)	CH46	-1.52	10.00	Pass
11ac(VHT80)	CH42	-4.16	10.00	Pass
11ac(VHT160)	CH50	-7.82	10.00	Pass
11ax(HE20)	CH36	2.16	10.00	Pass
11ax(HE20)	CH44	1.79	10.00	Pass
11ax(HE20)	CH48	1.83	10.00	Pass
11ax(HE40)	CH38	-1.68	10.00	Pass
11ax(HE40)	CH46	-1.64	10.00	Pass
11ax(HE80)	CH42	-4.71	10.00	Pass
11ax(HE160)	CH50	-8.02	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	2.00	Pass
11a	CH60	1.90	Pass
11a	CH64	2.01	Pass
11n(HT20)	CH52	1.77	Pass
11n(HT20)	CH60	1.63	Pass
11n(HT20)	CH64	1.57	Pass
11n(HT40)	CH54	-1.43	Pass
11n(HT40)	CH62	-1.59	Pass
11ac(VHT20)	CH52	1.80	Pass
11ac(VHT20)	CH60	2.18	Pass
11ac(VHT20)	CH64	2.15	Pass
11ac(VHT40)	CH54	-1.50	Pass
11ac(VHT40)	CH62	-1.61	Pass
11ac(VHT80)	CH58	-4.45	Pass
11ax(HE20)	CH52	1.82	Pass
11ax(HE20)	CH60	1.73	Pass
11ax(HE20)	CH64	1.73	Pass
11ax(HE40)	CH54	-1.50	Pass
11ax(HE40)	CH62	-1.58	Pass
11ax(HE80)	CH58	-4.79	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	3.81	Pass
11a	CH116	3.28	Pass
11a	CH140	3.33	Pass
11n (HT20)	CH100	3.47	Pass
11n (HT20)	CH116	2.95	Pass
11n (HT20)	CH140	2.90	Pass
11n (HT40)	CH102	-0.28	Pass
11n (HT40)	CH110	-0.16	Pass
11n (HT40)	CH134	-0.08	Pass
11ac (VHT20)	CH100	2.27	Pass
11ac (VHT20)	CH116	2.86	Pass
11ac (VHT20)	CH140	2.96	Pass
11ac (VHT40)	CH102	-0.10	Pass
11ac (VHT40)	CH110	-0.10	Pass
11ac (VHT40)	CH134	-0.49	Pass
11ac (VHT80)	CH106	-3.26	Pass
11ac (VHT80)	CH122	-3.21	Pass
11ac (VHT160)	CH114	-5.83	Pass
11ax(HE20)	CH100	2.97	Pass
11ax(HE20)	CH116	3.06	Pass
11ax(HE20)	CH140	2.58	Pass
11ax(HE40)	CH102	-0.68	Pass
11ax(HE40)	CH110	-0.49	Pass
11ax(HE40)	CH134	-0.67	Pass
11ax(HE80)	CH106	-3.44	Pass
11ax(HE80)	CH122	-3.39	Pass
11ax(HE160)	CH114	-6.04	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	-1.97	Pass
11a	CH157	-2.57	Pass
11a	CH165	-2.24	Pass
11n(HT20)	CH149	-2.14	Pass
11n(HT20)	CH157	-2.60	Pass
11n(HT20)	CH165	-2.67	Pass
11n(HT40)	CH151	-5.15	Pass
11n(HT40)	CH159	-5.29	Pass
11ac(VHT20)	CH149	-2.47	Pass
11ac(VHT20)	CH157	-1.05	Pass
11ac(VHT20)	CH165	-0.98	Pass
11ac(VHT40)	CH151	-4.17	Pass
11ac(VHT40)	CH159	-4.38	Pass
11ac(VHT80)	CH155	-7.30	Pass
11ax(HE20)	CH149	-1.20	Pass
11ax(HE20)	CH157	-1.12	Pass
11ax(HE20)	CH165	-1.23	Pass
11ax(HE40)	CH151	-4.55	Pass
11ax(HE40)	CH159	-4.82	Pass
11ax(HE80)	CH155	-7.66	Pass

U-NII-2C straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	3.68	Pass
11n (HT20)	CH144	3.35	Pass
11n (HT40)	CH142	0.26	Pass
11ac (VHT20)	CH144	3.34	Pass
11ac (VHT40)	CH142	-0.11	Pass
11ac (VHT80)	CH138	-2.98	Pass
11ax(HE20)	CH144	3.15	Pass
11ax(HE40)	CH142	-0.06	Pass
11ax(HE80)	CH138	-2.85	Pass

U-NII-3 straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	-0.28	Pass
11n (HT20)	CH144	-0.60	Pass
11n (HT40)	CH142	-3.73	Pass
11ac (VHT20)	CH144	-0.61	Pass
11ac (VHT40)	CH142	-4.23	Pass
11ac (VHT80)	CH138	-7.08	Pass
11ax(HE20)	CH144	-1.03	Pass
11ax(HE40)	CH142	-4.24	Pass
11ax(HE80)	CH138	-7.09	Pass

SISO-Aux. Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11a	CH36	2.55	10.00	Pass
11a	CH44	2.28	10.00	Pass
11a	CH48	2.37	10.00	Pass
11n(HT20)	CH36	2.30	10.00	Pass
11n(HT20)	CH44	2.11	10.00	Pass
11n(HT20)	CH48	2.11	10.00	Pass
11n(HT40)	CH38	-1.12	10.00	Pass
11n(HT40)	CH46	-1.66	10.00	Pass
11ac(VHT20)	CH36	2.30	10.00	Pass
11ac(VHT20)	CH44	2.07	10.00	Pass
11ac(VHT20)	CH48	2.08	10.00	Pass
11ac(VHT40)	CH38	-1.11	10.00	Pass
11ac(VHT40)	CH46	-1.05	10.00	Pass
11ac(VHT80)	CH42	-4.02	10.00	Pass
11ac(VHT160)	CH50	-7.22	10.00	Pass
11ax(HE20)	CH36	2.60	10.00	Pass
11ax(HE20)	CH44	1.95	10.00	Pass
11ax(HE20)	CH48	1.85	10.00	Pass
11ax(HE40)	CH38	-0.90	10.00	Pass
11ax(HE40)	CH46	-1.53	10.00	Pass
11ax(HE80)	CH42	-3.98	10.00	Pass
11ax(HE160)	CH50	-7.34	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH52	2.29	Pass
11a	CH60	2.37	Pass
11a	CH64	2.27	Pass
11n(HT20)	CH52	2.07	Pass
11n(HT20)	CH60	2.05	Pass
11n(HT20)	CH64	2.11	Pass
11n(HT40)	CH54	-1.63	Pass
11n(HT40)	CH62	-1.51	Pass
11ac(VHT20)	CH52	2.13	Pass
11ac(VHT20)	CH60	2.04	Pass
11ac(VHT20)	CH64	2.03	Pass
11ac(VHT40)	CH54	-1.81	Pass
11ac(VHT40)	CH62	-1.28	Pass
11ac(VHT80)	CH58	-4.72	Pass
11ax(HE20)	CH52	1.60	Pass
11ax(HE20)	CH60	1.56	Pass
11ax(HE20)	CH64	1.53	Pass
11ax(HE40)	CH54	-1.80	Pass
11ax(HE40)	CH62	-1.71	Pass
11ax(HE80)	CH58	-4.59	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH100	3.15	Pass
11a	CH116	2.96	Pass
11a	CH140	3.20	Pass
11n (HT20)	CH100	2.89	Pass
11n (HT20)	CH116	2.66	Pass
11n (HT20)	CH140	2.91	Pass
11n (HT40)	CH102	-0.69	Pass
11n (HT40)	CH110	-0.64	Pass
11n (HT40)	CH134	-0.90	Pass
11ac (VHT20)	CH100	2.93	Pass
11ac (VHT20)	CH116	2.71	Pass
11ac (VHT20)	CH140	2.95	Pass
11ac (VHT40)	CH102	-0.73	Pass
11ac (VHT40)	CH110	-0.61	Pass
11ac (VHT40)	CH134	-0.80	Pass
11ac (VHT80)	CH106	-3.36	Pass
11ac (VHT80)	CH122	-3.68	Pass
11ac (VHT160)	CH114	-6.27	Pass
11ax(HE20)	CH100	2.67	Pass
11ax(HE20)	CH116	2.90	Pass
11ax(HE20)	CH140	2.69	Pass
11ax(HE40)	CH102	-0.60	Pass
11ax(HE40)	CH110	-0.47	Pass
11ax(HE40)	CH134	-0.68	Pass
11ax(HE80)	CH106	-3.75	Pass
11ax(HE80)	CH122	-3.60	Pass
11ax(HE160)	CH114	-6.52	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH149	-0.07	Pass
11a	CH157	-0.54	Pass
11a	CH165	-0.36	Pass
11n(HT20)	CH149	-0.14	Pass
11n(HT20)	CH157	-0.37	Pass
11n(HT20)	CH165	-0.31	Pass
11n(HT40)	CH151	-4.11	Pass
11n(HT40)	CH159	-4.10	Pass
11ac(VHT20)	CH149	-0.32	Pass
11ac(VHT20)	CH157	-0.94	Pass
11ac(VHT20)	CH165	-0.85	Pass
11ac(VHT40)	CH151	-4.13	Pass
11ac(VHT40)	CH159	-4.06	Pass
11ac(VHT80)	CH155	-7.03	Pass
11ax(HE20)	CH149	-0.79	Pass
11ax(HE20)	CH157	-0.70	Pass
11ax(HE20)	CH165	-0.72	Pass
11ax(HE40)	CH151	-4.07	Pass
11ax(HE40)	CH159	-4.06	Pass
11ax(HE80)	CH155	-7.32	Pass

U-NII-2C straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	2.74	Pass
11n (HT20)	CH144	2.81	Pass
11n (HT40)	CH142	-0.15	Pass
11ac (VHT20)	CH144	2.98	Pass
11ac (VHT40)	CH142	-0.16	Pass
11ac (VHT80)	CH138	-3.49	Pass
11ax(HE20)	CH144	3.09	Pass
11ax(HE40)	CH142	-0.51	Pass
11ax(HE80)	CH138	-3.25	Pass

U-NII-3 straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11a	CH144	0.38	Pass
11n (HT20)	CH144	0.07	Pass
11n (HT40)	CH142	-2.96	Pass
11ac (VHT20)	CH144	0.12	Pass
11ac (VHT40)	CH142	-2.97	Pass
11ac (VHT80)	CH138	-6.36	Pass
11ax(HE20)	CH144	0.28	Pass
11ax(HE40)	CH142	-3.43	Pass
11ax(HE80)	CH138	-6.20	Pass

MIMO-Main Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11n(HT20)	CH36	-0.83	10.00	Pass
11n(HT20)	CH44	-1.15	10.00	Pass
11n(HT20)	CH48	-1.16	10.00	Pass
11n(HT40)	CH38	-4.20	10.00	Pass
11n(HT40)	CH46	-4.63	10.00	Pass
11ac(VHT20)	CH36	-0.87	10.00	Pass
11ac(VHT20)	CH44	-1.24	10.00	Pass
11ac(VHT20)	CH48	-1.19	10.00	Pass
11ac(VHT40)	CH38	-4.22	10.00	Pass
11ac(VHT40)	CH46	-4.63	10.00	Pass
11ac(VHT80)	CH42	-7.73	10.00	Pass
11ac(VHT160)	CH50	-10.79	10.00	Pass
11ax(HE20)	CH36	-1.17	10.00	Pass
11ax(HE20)	CH44	-1.54	10.00	Pass
11ax(HE20)	CH48	-1.54	10.00	Pass
11ax(HE40)	CH38	-4.60	10.00	Pass
11ax(HE40)	CH46	-5.10	10.00	Pass
11ax(HE80)	CH42	-7.54	10.00	Pass
11ax(HE160)	CH50	-10.97	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n(HT20)	CH52	-1.09	Pass
11n(HT20)	CH60	-1.18	Pass
11n(HT20)	CH64	-1.14	Pass
11n(HT40)	CH54	-4.44	Pass
11n(HT40)	CH62	-4.41	Pass
11ac(VHT20)	CH52	-0.98	Pass
11ac(VHT20)	CH60	-1.16	Pass
11ac(VHT20)	CH64	-1.11	Pass
11ac(VHT40)	CH54	-4.49	Pass
11ac(VHT40)	CH62	-4.54	Pass
11ac(VHT80)	CH58	-7.87	Pass
11ax(HE20)	CH52	-1.42	Pass
11ax(HE20)	CH60	-1.01	Pass
11ax(HE20)	CH64	-1.10	Pass
11ax(HE40)	CH54	-5.11	Pass
11ax(HE40)	CH62	-4.44	Pass
11ax(HE80)	CH58	-8.05	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n (HT20)	CH100	0.37	Pass
11n (HT20)	CH116	-0.09	Pass
11n (HT20)	CH140	-0.03	Pass
11n (HT40)	CH102	-2.98	Pass
11n (HT40)	CH110	-2.85	Pass
11n (HT40)	CH134	-3.39	Pass
11ac (VHT20)	CH100	0.36	Pass
11ac (VHT20)	CH116	0.48	Pass
11ac (VHT20)	CH140	0.01	Pass
11ac (VHT40)	CH102	-2.97	Pass
11ac (VHT40)	CH110	-2.89	Pass
11ac (VHT40)	CH134	-3.41	Pass
11ac (VHT80)	CH106	-6.15	Pass
11ac (VHT80)	CH122	-6.18	Pass
11ac (VHT160)	CH114	-8.53	Pass
11ax(HE20)	CH100	-0.08	Pass
11ax(HE20)	CH116	0.06	Pass
11ax(HE20)	CH140	0.14	Pass
11ax(HE40)	CH102	-3.01	Pass
11ax(HE40)	CH110	-3.44	Pass
11ax(HE40)	CH134	-3.51	Pass
11ax(HE80)	CH106	-6.15	Pass
11ax(HE80)	CH122	-6.13	Pass
11ax(HE160)	CH114	-8.83	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n(HT20)	CH149	-4.32	Pass
11n(HT20)	CH157	-4.14	Pass
11n(HT20)	CH165	-4.21	Pass
11n(HT40)	CH151	-7.69	Pass
11n(HT40)	CH159	-7.86	Pass
11ac(VHT20)	CH149	-4.34	Pass
11ac(VHT20)	CH157	-4.21	Pass
11ac(VHT20)	CH165	-4.17	Pass
11ac(VHT40)	CH151	-7.73	Pass
11ac(VHT40)	CH159	-7.97	Pass
11ac(VHT80)	CH155	-10.81	Pass
11ax(HE20)	CH149	-4.13	Pass
11ax(HE20)	CH157	-4.67	Pass
11ax(HE20)	CH165	-4.64	Pass
11ax(HE40)	CH151	-7.66	Pass
11ax(HE40)	CH159	-7.89	Pass
11ax(HE80)	CH155	-10.66	Pass

U-NII-2C straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n (HT20)	CH144	0.04	Pass
11n (HT40)	CH142	-3.87	Pass
11ac (VHT20)	CH144	0.03	Pass
11ac (VHT40)	CH142	-3.89	Pass
11ac (VHT80)	CH138	-6.58	Pass
11ax(HE20)	CH144	-0.34	Pass
11ax(HE40)	CH142	-4.31	Pass
11ax(HE80)	CH138	-7.03	Pass

U-NII-3 straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n (HT20)	CH144	-3.99	Pass
11n (HT40)	CH142	-7.91	Pass
11ac (VHT20)	CH144	-4.01	Pass
11ac (VHT40)	CH142	-7.89	Pass
11ac (VHT80)	CH138	-10.62	Pass
11ax(HE20)	CH144	-4.39	Pass
11ax(HE40)	CH142	-8.33	Pass
11ax(HE80)	CH138	-11.03	Pass

MIMO-Aux. Antenna

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11n(HT20)	CH36	-0.81	10.00	Pass
11n(HT20)	CH44	-0.97	10.00	Pass
11n(HT20)	CH48	-1.00	10.00	Pass
11n(HT40)	CH38	-4.22	10.00	Pass
11n(HT40)	CH46	-4.75	10.00	Pass
11ac(VHT20)	CH36	-0.86	10.00	Pass
11ac(VHT20)	CH44	-1.01	10.00	Pass
11ac(VHT20)	CH48	-0.90	10.00	Pass
11ac(VHT40)	CH38	-4.14	10.00	Pass
11ac(VHT40)	CH46	-4.73	10.00	Pass
11ac(VHT80)	CH42	-7.30	10.00	Pass
11ac(VHT160)	CH50	-10.20	10.00	Pass
11ax(HE20)	CH36	-0.60	10.00	Pass
11ax(HE20)	CH44	-1.27	10.00	Pass
11ax(HE20)	CH48	-1.28	10.00	Pass
11ax(HE40)	CH38	-4.02	10.00	Pass
11ax(HE40)	CH46	-4.57	10.00	Pass
11ax(HE80)	CH42	-7.02	10.00	Pass
11ax(HE160)	CH50	-10.47	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n(HT20)	CH52	-0.95	Pass
11n(HT20)	CH60	-1.04	Pass
11n(HT20)	CH64	-1.03	Pass
11n(HT40)	CH54	-4.73	Pass
11n(HT40)	CH62	-4.69	Pass
11ac(VHT20)	CH52	-0.98	Pass
11ac(VHT20)	CH60	-1.07	Pass
11ac(VHT20)	CH64	-1.03	Pass
11ac(VHT40)	CH54	-4.76	Pass
11ac(VHT40)	CH62	-4.70	Pass
11ac(VHT80)	CH58	-7.72	Pass
11ax(HE20)	CH52	-1.40	Pass
11ax(HE20)	CH60	-1.39	Pass
11ax(HE20)	CH64	-1.39	Pass
11ax(HE40)	CH54	-4.68	Pass
11ax(HE40)	CH62	-4.59	Pass
11ax(HE80)	CH58	-7.53	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n (HT20)	CH100	-0.01	Pass
11n (HT20)	CH116	-0.24	Pass
11n (HT20)	CH140	0.01	Pass
11n (HT40)	CH102	-3.68	Pass
11n (HT40)	CH110	-3.56	Pass
11n (HT40)	CH134	-3.73	Pass
11ac (VHT20)	CH100	-0.07	Pass
11ac (VHT20)	CH116	-0.28	Pass
11ac (VHT20)	CH140	-0.04	Pass
11ac (VHT40)	CH102	-3.74	Pass
11ac (VHT40)	CH110	-3.60	Pass
11ac (VHT40)	CH134	-3.84	Pass
11ac (VHT80)	CH106	-6.39	Pass
11ac (VHT80)	CH122	-6.86	Pass
11ac (VHT160)	CH114	-9.26	Pass
11ax(HE20)	CH100	-0.47	Pass
11ax(HE20)	CH116	-0.77	Pass
11ax(HE20)	CH140	-0.40	Pass
11ax(HE40)	CH102	-3.63	Pass
11ax(HE40)	CH110	-3.59	Pass
11ax(HE40)	CH134	-3.78	Pass
11ax(HE80)	CH106	-6.74	Pass
11ax(HE80)	CH122	-6.57	Pass
11ax(HE160)	CH114	-9.37	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n(HT20)	CH149	-4.17	Pass
11n(HT20)	CH157	-3.89	Pass
11n(HT20)	CH165	-3.76	Pass
11n(HT40)	CH151	-6.93	Pass
11n(HT40)	CH159	-6.92	Pass
11ac(VHT20)	CH149	-3.27	Pass
11ac(VHT20)	CH157	-3.81	Pass
11ac(VHT20)	CH165	-3.66	Pass
11ac(VHT40)	CH151	-6.97	Pass
11ac(VHT40)	CH159	-6.91	Pass
11ac(VHT80)	CH155	-9.87	Pass
11ax(HE20)	CH149	-3.67	Pass
11ax(HE20)	CH157	-3.62	Pass
11ax(HE20)	CH165	-3.63	Pass
11ax(HE40)	CH151	-6.92	Pass
11ax(HE40)	CH159	-6.87	Pass
11ax(HE80)	CH155	-10.27	Pass

U-NII-2C straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n (HT20)	CH144	-0.14	Pass
11n (HT40)	CH142	-3.20	Pass
11ac (VHT20)	CH144	-0.15	Pass
11ac (VHT40)	CH142	-3.18	Pass
11ac (VHT80)	CH138	-6.02	Pass
11ax(HE20)	CH144	0.07	Pass
11ax(HE40)	CH142	-3.15	Pass
11ax(HE80)	CH138	-5.90	Pass

U-NII-3 straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n (HT20)	CH144	-2.95	Pass
11n (HT40)	CH142	-6.00	Pass
11ac (VHT20)	CH144	-2.91	Pass
11ac (VHT40)	CH142	-6.03	Pass
11ac (VHT80)	CH138	-8.86	Pass
11ax(HE20)	CH144	-2.80	Pass
11ax(HE40)	CH142	-5.96	Pass
11ax(HE80)	CH138	-8.75	Pass

MIMO

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	E.I.R.P Limit (dBm/MHz)	Verdict
11n(HT20)	CH36	2.19	10.00	Pass
11n(HT20)	CH44	1.95	10.00	Pass
11n(HT20)	CH48	1.93	10.00	Pass
11n(HT40)	CH38	-1.20	10.00	Pass
11n(HT40)	CH46	-1.68	10.00	Pass
11ac(VHT20)	CH36	2.14	10.00	Pass
11ac(VHT20)	CH44	1.88	10.00	Pass
11ac(VHT20)	CH48	1.97	10.00	Pass
11ac(VHT40)	CH38	-1.17	10.00	Pass
11ac(VHT40)	CH46	-1.67	10.00	Pass
11ac(VHT80)	CH42	-4.50	10.00	Pass
11ac(VHT160)	CH50	-7.47	10.00	Pass
11ax(HE20)	CH36	2.13	10.00	Pass
11ax(HE20)	CH44	1.61	10.00	Pass
11ax(HE20)	CH48	1.60	10.00	Pass
11ax(HE40)	CH38	-1.29	10.00	Pass
11ax(HE40)	CH46	-1.82	10.00	Pass
11ax(HE80)	CH42	-4.26	10.00	Pass
11ax(HE160)	CH50	-7.70	10.00	Pass

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n(HT20)	CH52	1.99	Pass
11n(HT20)	CH60	1.90	Pass
11n(HT20)	CH64	1.92	Pass
11n(HT40)	CH54	-1.57	Pass
11n(HT40)	CH62	-1.54	Pass
11ac(VHT20)	CH52	2.03	Pass
11ac(VHT20)	CH60	1.90	Pass
11ac(VHT20)	CH64	1.94	Pass
11ac(VHT40)	CH54	-1.61	Pass
11ac(VHT40)	CH62	-1.61	Pass
11ac(VHT80)	CH58	-4.78	Pass
11ax(HE20)	CH52	1.60	Pass
11ax(HE20)	CH60	1.81	Pass
11ax(HE20)	CH64	1.77	Pass
11ax(HE40)	CH54	-1.88	Pass
11ax(HE40)	CH62	-1.50	Pass
11ax(HE80)	CH58	-4.77	Pass

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n (HT20)	CH100	3.19	Pass
11n (HT20)	CH116	2.85	Pass
11n (HT20)	CH140	3.00	Pass
11n (HT40)	CH102	-0.31	Pass
11n (HT40)	CH110	-0.18	Pass
11n (HT40)	CH134	-0.55	Pass
11ac (VHT20)	CH100	3.16	Pass
11ac (VHT20)	CH116	3.13	Pass
11ac (VHT20)	CH140	3.00	Pass
11ac (VHT40)	CH102	-0.33	Pass
11ac (VHT40)	CH110	-0.22	Pass
11ac (VHT40)	CH134	-0.61	Pass
11ac (VHT80)	CH106	-3.26	Pass
11ac (VHT80)	CH122	-3.50	Pass
11ac (VHT160)	CH114	-5.87	Pass
11ax(HE20)	CH100	2.74	Pass
11ax(HE20)	CH116	2.68	Pass
11ax(HE20)	CH140	2.89	Pass
11ax(HE40)	CH102	-0.30	Pass
11ax(HE40)	CH110	-0.50	Pass
11ax(HE40)	CH134	-0.63	Pass
11ax(HE80)	CH106	-3.42	Pass
11ax(HE80)	CH122	-3.33	Pass
11ax(HE160)	CH114	-6.08	Pass

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n(HT20)	CH149	-1.23	Pass
11n(HT20)	CH157	-1.00	Pass
11n(HT20)	CH165	-0.97	Pass
11n(HT40)	CH151	-4.28	Pass
11n(HT40)	CH159	-4.35	Pass
11ac(VHT20)	CH149	-0.76	Pass
11ac(VHT20)	CH157	-0.99	Pass
11ac(VHT20)	CH165	-0.90	Pass
11ac(VHT40)	CH151	-4.32	Pass
11ac(VHT40)	CH159	-4.40	Pass
11ac(VHT80)	CH155	-7.30	Pass
11ax(HE20)	CH149	-0.88	Pass
11ax(HE20)	CH157	-1.11	Pass
11ax(HE20)	CH165	-1.10	Pass
11ax(HE40)	CH151	-4.26	Pass
11ax(HE40)	CH159	-4.34	Pass
11ax(HE80)	CH155	-7.45	Pass

U-NII-2C straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n (HT20)	CH144	2.96	Pass
11n (HT40)	CH142	-0.51	Pass
11ac (VHT20)	CH144	2.95	Pass
11ac (VHT40)	CH142	-0.51	Pass
11ac (VHT80)	CH138	-3.28	Pass
11ax(HE20)	CH144	2.88	Pass
11ax(HE40)	CH142	-0.68	Pass
11ax(HE80)	CH138	-3.42	Pass

U-NII-3 straddle channel			
Mode	Channel	PSD (dBm/MHz)	Verdict
11n (HT20)	CH144	-0.43	Pass
11n (HT40)	CH142	-3.84	Pass
11ac (VHT20)	CH144	-0.41	Pass
11ac (VHT40)	CH142	-3.85	Pass
11ac (VHT80)	CH138	-6.64	Pass
11ax(HE20)	CH144	-0.51	Pass
11ax(HE40)	CH142	-3.98	Pass
11ax(HE80)	CH138	-6.73	Pass

A.5 Conducted Emissions

Note: Not applicable.

A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)

Note: Not applicable.

A.6.2 Band Edge (Restricted-band)

Note: Not applicable.

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ23A0865-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ23A0865-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ23A0865-AI.PDF”.

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