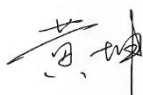


TEST REPORT

Applicant: Aegex Technologies, LLC
EUT Description: Tablet
Model: Aegex100M
Brand: Aegex
FCC ID: 2AGVY-100MWBXX02
Standards: FCC 47 CFR Part 15 Subpart E
Date of Receipt: 2024/03/28
Date of Test: 2024/03/28 to 2025/01/17
Date of Issue: 2025/05/29

TOWE. Tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. Without written approval of TOWE, the test report shall not be reproduced except in full.



Huang Kun
Approved By:



Chen Chengfu
Reviewed By:

Revision History

Rev.	Issue Date	Description	Revised by
01	2025/01/21	Original	Chen Chengfu
02	2025/05/29	Update reference module report number	Chen Chengfu

Summary of Test Results

FCC Part	Test Items	Test Bands	Result
§15.203	Antenna Requirement	---	PASS
§15.407(g)	Frequency Stability	---	---
§15.207	AC Power Line Conducted Emission	Section 2.2	PASS
§15.407(a)(1)(iv) §15.407(a)(2) §15.407(a)(3)(i)	Maximum Conducted Output Power	U-NII-1 U-NII-2A U-NII-2C U-NII-3	PASS
§KDB 789033 II.C.1	Emission Bandwidth	U-NII-1 U-NII-2A U-NII-2C	PASS*
§15.407(e)	Minimum Emission Bandwidth	U-NII-3	PASS*
§KDB 789033 II.D	Occupied Bandwidth	U-NII-1 U-NII-2A U-NII-2C U-NII-3	PASS*
§15.407(a)(1)(iv) §15.407(a)(2) §15.407(a)(3)(i)	Maximum Power Spectral Density	U-NII-1 U-NII-2A U-NII-2C U-NII-3	PASS*
§15.407(b) §15.209(d)	Unwanted Emissions	U-NII-1 U-NII-2A U-NII-2C U-NII-3	PASS

Test Method:

ANSI C63.10:2020, KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Remark:

1. Pass: The AC Power Line Conducted Emission, Radiated Spurious emissions and Band Edge were fully tested, and the items of Power were performed based on the worst case of the original report.
2. Pass*: Refer to Module FCC ID: PD9AX210D2, Detailed data reference Report No.: 200611-04.TR01 & 200611-04.TR02 & 200611-04.TR03, provided by Intel Corporation S.A.S - WRF Lab.

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1 General Description

1.1 Lab Information

1.1.1 Testing Location

These measurements tests were conducted at the Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. Facility located at F401 and F101, Building E, Hongwei Industrial Zone, Liuxian 3rd Road, Bao'an District, Shenzhen, China. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014

Tel.: +86-755-27212361

Contact Email: info@towewireless.com

1.1.2 Test Facility / Accreditations

A2LA (Certificate Number: 7088.01)

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

FCC Designation No.: CN1353

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. Has been recognized as an accredited testing laboratory. Designation Number: CN1353.

ISED CAB identifier: CN0152

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. Has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0152

Company Number: 31000

1.2 Client Information

1.2.1 Applicant

Applicant:	Aegex Technologies, LLC
Address:	84 Peachtree Street NW,Atlanta, GA 30303, USA

1.2.2 Manufacturer

Manufacturer:	Aegex Technologies, LLC
Address:	84 Peachtree Street NW,Atlanta, GA 30303, USA

1.3 Product Information

EUT Description:	Tablet			
Model No.:	Aegex100M			
Brand:	Aegex			
Hardware Version:	Aegex100M			
Software Version:	Windows 11 IoT Enterprise			
IMEI:	RF Conducted	863547050056759		
	RSE & AC power line	863547050056742		
Modulation Type:	802.11a/n:	OFDM-BPSK, QPSK, 16QAM, 64QAM		
	802.11ac:	OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM		
	802.11ax:	OFDM/OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM		
Smart System:	☒ SISO	802.11a/n/ac/ax	/	
	☒ MIMO	802.11n/ac/ax	(2)TX(2)RX	
	☐ CDD	802.11a	()TX()RX	
EUT Function	☒ Client	☐ Outdoor AP	☐ Indoor AP ☐ Fixed P2P AP	
DFS Function:	☐ Master ☐ Slave with radar detection ☒ Slave without radar detection			
Frequency Range:	U-NII-1:	5150 ~ 5250MHz		
	U-NII-2A:	5250 ~ 5350MHz		
	U-NII-2C:	5470 ~ 5725MHz		
	U-NII-3:	5725 ~ 5850MHz		
Channel Frequency:	20M BWch.:	U-NII-1:	5180 ~ 5240MHz	4 Channels
		U-NII-2A:	5260 ~ 5320MHz	4 Channels
		U-NII-2C:	5500 ~ 5700MHz	11 Channels
		U-NII-3:	5745 ~ 5825MHz	5 Channels
		Straddle Channel:	5720MHz	1 Channel
	40M BWch.:	U-NII-1:	5190 ~ 5230MHz	2 Channels
		U-NII-2A:	5270 ~ 5310MHz	2 Channels
		U-NII-2C:	5510 ~ 5670MHz	5 Channels
		U-NII-3:	5755 ~ 5795MHz	2 Channels
		Straddle Channel:	5710MHz	1 Channel
	80M BWch.:	U-NII-1:	5210MHz	1 Channel
		U-NII-2A:	5290MHz	1 Channel
		U-NII-2C:	5530 ~ 5610MHz	2 Channels
		U-NII-3:	5775MHz	1 Channel
		Straddle Channel:	5690MHz	1 Channel
	160M BWch.:	U-NII-2A:	5250MHz	1 Channel
		U-NII-2C:	5570MHz	1 Channel
Antenna Type:	☐ External, ☒ Integrated			
Antenna gain:	Frequency Range:	Ant1 (dBi)	Ant2 (dBi)	
	5150 ~ 5250MHz	2.90	1.24	

	5250 ~ 5350MHz	2.90	1.24
	5470 ~ 5725MHz	3.05	1.07
	5725 ~ 5850MHz	3.86	1.11

Remark: The above EUT's information was declared by applicant, please refer to the specifications or user's manual for more detailed description.

2 Test Configuration

2.1 Test Channel

Frequency Channels for U-NII-1							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180MHz	40	5200MHz	44	5220MHz	48	5240MHz
38	5190MHz	42	5210MHz	46	5230MHz	50	5250MHz

Remark:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Modulation Type	Test Channel	Test Frequency
802.11a/n20 /ac20/ax20	The Lowest channel (CH36)	5180MHz
	The Middle channel (CH40)	5200MHz
	The Highest channel (CH48)	5240MHz
Modulation Type	Test Channel	Test Frequency
802.11n40 /ac40/ax40	The Lowest channel (CH38)	5190MHz
	The Highest channel (CH46)	5230MHz
Modulation Type	Test Channel	Test Frequency
802.11n80 /ac80/ax80	The Middle channel (CH42)	5210MHz
Modulation Type	Test Channel	Test Frequency
802.11 ac160/ax160	The Middle channel (CH50)	5250MHz

Frequency Channels for U-NII-2A							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
50	5250MHz	54	5270MHz	58	5290MHz	62	5310MHz
52	5260MHz	56	5280MHz	60	5300MHz	64	5320MHz

Remark:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Modulation Type	Test Channel	Test Frequency
802.11a/n20 /ac20/ax20	The Lowest channel (CH52)	5260MHz
	The Middle channel (CH60)	5300MHz
	The Highest channel (CH64)	5320MHz
Modulation Type	Test Channel	Test Frequency
802.11n40 /ac40/ax40	The Lowest channel (CH54)	5270MHz
	The Highest channel (CH62)	5310MHz
Modulation Type	Test Channel	Test Frequency
802.11 ac80/ax80	The Middle channel (CH58)	5290MHz
Modulation Type	Test Channel	Test Frequency
802.11 ac160/ax160	The Middle channel (CH50)	5250MHz

Frequency Channels for U-NII-2C

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
100	5500MHz	110	5550MHz	120	5600MHz	132	5660MHz
102	5510MHz	112	5560MHz	122	5610MHz	134	5670MHz
104	5520MHz	114	5570MHz	124	5620MHz	136	5680MHz
106	5530MHz	116	5580MHz	126	5630MHz	140	5700MHz
108	5540MHz	118	5590MHz	128	5640MHz	/	

Remark:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Modulation Type	Test Channel	Test Frequency
802.11a/n20 /ac20/ax20	The Lowest channel (CH100)	5500MHz
	The Middle channel (CH116)	5580MHz
	The Highest channel (CH140)	5700MHz
Modulation Type	Test Channel	Test Frequency
802.11n40 /ac40/ax40	The Lowest channel (CH102)	5510MHz
	The Middle channel (CH118)	5590MHz
	The Highest channel (CH134)	5670MHz
Modulation Type	Test Channel	Test Frequency
802.11 ac80/ax80	The Lowest channel (CH106)	5530MHz
	The Highest channel (CH122)	5610MHz
Modulation Type	Test Channel	Test Frequency
802.11 ac160/ax160	The Middle channel (CH114)	5570MHz

Frequency Channels for U-NII-3

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745MHz	153	5765MHz	157	5785MHz	161	5805MHz
151	5755MHz	155	5775MHz	159	5795MHz	165	5825MHz

Remark:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Modulation Type	Test Channel	Test Frequency
802.11a/n20 /ac20/ax20	The Lowest channel (CH149)	5745MHz
	The Middle channel (CH157)	5785MHz
	The Highest channel (CH165)	5825MHz
Modulation Type	Test Channel	Test Frequency
802.11n40 /ac40/ax40	The Lowest channel (CH151)	5755MHz
	The Highest channel (CH159)	5795MHz
Modulation Type	Test Channel	Test Frequency
802.11 ac80/ax80	The Middle channel (CH155)	5775MHz

Straddle Channel		
Modulation Type	Test Channel	Test Frequency
802.11a/n20 /ac20/ax20	The channel (CH144)	5720MHz
Modulation Type	Test Channel	Test Frequency
802.11n40 /ac40/ax40	The channel (CH142)	5710MHz
Modulation Type	Test Channel	Test Frequency
802.11 ac80/ax80	The channel (CH138)	5690MHz
Modulation Type	Test Channel	Test Frequency
802.11 ac160/ax160	The channel (CH50)	5250MHz

2.2 Worst-case configuration and Mode

Modulation Type	SISO - Data Rate	MIMO(2)TX(2)RX Data Rate
802.11a	6 Mbps	N/A
802.11n20	MCS0 (6.5 Mbps)	MCS0 (13 Mbps)
802.11n40	MCS0 (13.5 Mbps)	MCS0 (27 Mbps)
802.11ac20	MCS0 (6.5 Mbps)	MCS0 (13 Mbps)
802.11ac40	MCS0 (13.5 Mbps)	MCS0 (27 Mbps)
802.11ac80	MCS0 (29.3 Mbps)	MCS0 (58.6 Mbps)
802.11ac160	MCS0 (58.5 Mbps)	MCS0 (117 Mbps)
802.11ax20	MCS0 (8.6 Mbps)	MCS0 (17.2 Mbps)
802.11ax40	MCS0 (17.2 Mbps)	MCS0 (34.4 Mbps)
802.11ax80	MCS0 (36.0 Mbps)	MCS0 (72.1 Mbps)
802.11ax160	MCS0 (72.1 Mbps)	MCS0 (144.1 Mbps)
Transmitting mode:	Keep the EUT was programmed to be in continuously transmitting mode.	
Normal Link:	Keep the EUT operation to normal function.	

Test RU Types & Channel Bandwidth:

RU Types	ax20	ax40	ax80	ax160
26-tone RU	26 tone_0 26 tone_8	/	/	/
52-tone RU	52 tone_37 52 tone_38	/	/	/
106-tone RU	106 tone_53 106 tone_54	/	/	/
242-tone RU	/	242 tone 61 242 tone 62	/	/
484-tone RU	/	/	484 tone 65 484 tone 66	/
996-tone RU	/	/	/	996 tone 67 996 tone 68

2.3 Support Unit used in test

The EUT has been tested as an independent unit.

2.4 Test Environment

Temperature:	Normal: 15℃ ~ 35℃
Humidity:	45-56 % RH Ambient
Voltage:	DC 3.87V
AC Voltage	AC 120V/60Hz
Remark: The testing environment is within the scope of the EUT user manual and meets the requirements of the standard testing environment.	

2.5 Test RF Cable

For all conducted test items: The offset level is set spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

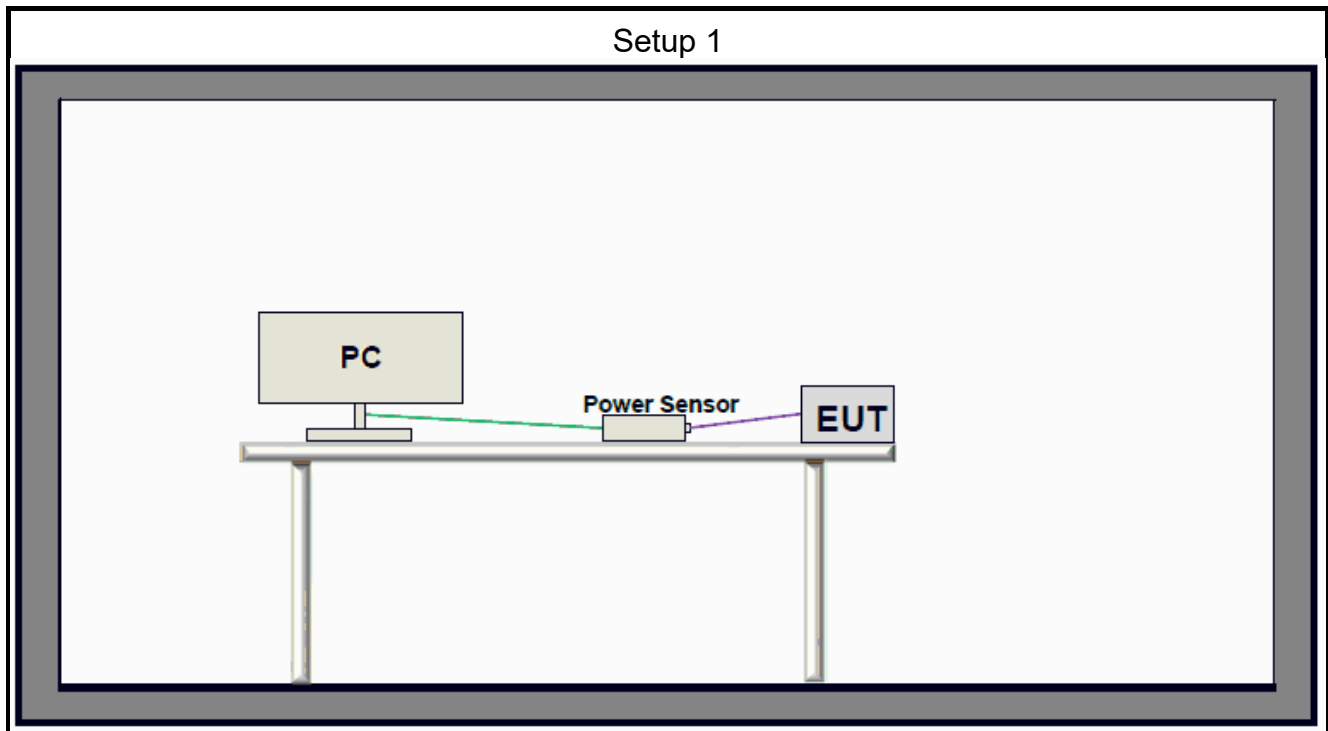
Offset = RF cable loss + attenuator factor.

2.6 Modifications

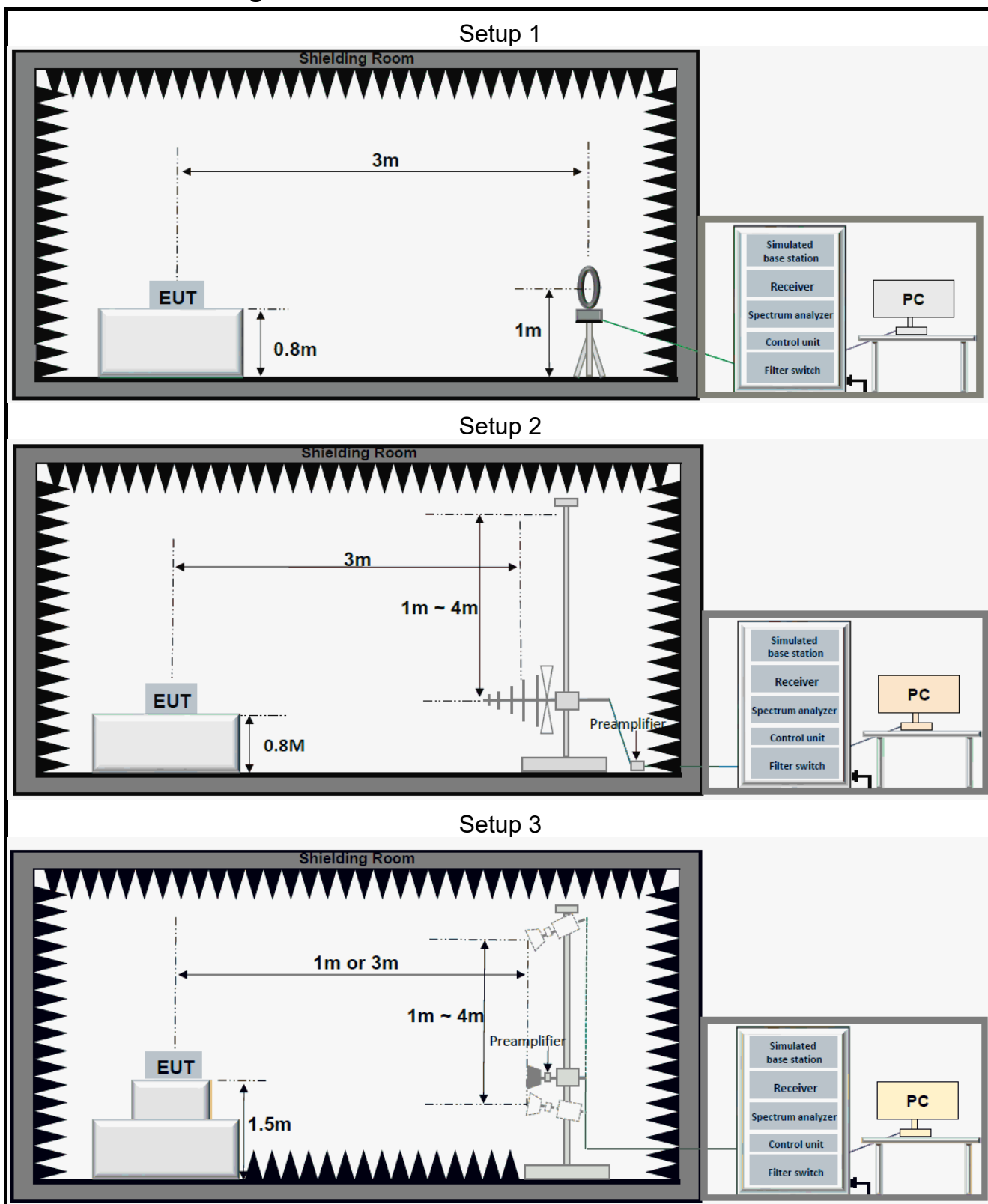
No modifications were made during testing.

2.7 Test Setup Diagram

2.7.1 Conducted Configuration



2.7.2 Radiated Configuration



Directional gain calculations:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

If all antennas have the same gain, G_{ANT} , Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices

$$\text{Array Gain} = 10 \log(N_{ANT}/N_{SS}=1) \text{ dB}$$

- For power measurements on IEEE 802.11 devices:

$$\text{Array Gain} = 0 \text{ dB (i.e., no array gain) for } N_{ANT} \leq 4;$$

$$\text{Array Gain} = 0 \text{ dB (i.e., no array gain) for channel widths } \geq 40 \text{ MHz for any } N_{ANT};$$

$$\text{Array Gain} = 5 \log(N_{ANT}/N_{SS}=1) \text{ dB or } 3 \text{ dB, whichever is less, for 20-MHz channel widths with } N_{ANT} \geq 5.$$

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Unequal antenna gains, with equal transmit powers. For antenna gains given by $G_1, G_2, \dots, G_N$ dBi

- If transmit signals are correlated, then

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]}$$

- If all transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

The Power and PSD limit should be modified if the directional gain of EUT is over 6dBi.

The EUT supports CDD System.

Transmit signals are completely uncorrelated						
Operation Band	ANT Gain1 (dBi)	ANT Gain2 (dBi)	Directional gain For Power (dBi)	Directional gain For PSD (dBi)	Power Limit Reduction (dBm)	PSD Limit Reduction (dBm)
5150 ~ 5250MHz	2.90	1.24	2.90	5.12	0	0
5250 ~ 5350MHz	2.90	1.24	2.90	5.12	0	0
5470 ~ 5725MHz	3.05	1.07	3.05	5.13	0	0
5725 ~ 5850MHz	3.86	1.11	3.86	5.60	0	0

3 Equipment and Measurement Uncertainty

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, whichever is less, and where applicable is traceable to recognized national standards.

3.1 Test Equipment List

RF					
Description	Manufacturer	Model	S.N.	Last Due	Cal Due
Signal Analyzer	Keysight	N9020A	US46470429	2024/03/25	2025/03/24
Signal Generator	R&S	SMR20	101027	2024/03/25	2025/03/24
Vector Signal Generator	R&S	SMM100A	549353	2023/06/27	2024/06/26
				2024/05/30	2025/05/29
Power Sensor	Anritsu	MA24408A	12520	2023/07/28	2024/07/27
				2024/05/30	2025/05/29
RF Control Unit	Tonscend	JS0806-2	23C80620671	2023/06/27	2024/06/26
				2024/05/30	2025/05/29
Measurement Software	Tonscend	TS1120-3	10659	N/A	N/A

Radiated Emission					
Description	Manufacturer	Model	S.N.	Last Due	Cal Due
Biconic Logarithmic Periodic Antennas	Schwarzbeck	VULB9163	1643	2023/06/25	2025/06/24
Double-Ridged Horn Antennas	Schwarzbeck	BBHA 9120D	2809	2023/06/25	2025/06/24
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	1290	2023/06/25	2025/06/24
Loop Antenna	Schwarzbeck	FMZB 1519C	1519C-028	2023/06/29	2025/06/28
Signal Analyzer	Keysight	N9020A	MY49100252	2024/03/25	2025/03/24
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY63440541	2023/06/27	2024/06/26
				2024/05/30	2025/05/29
Wideband Radio Communication Tester	R&S	CMW500	150645	2024/03/25	2025/03/24
Low Noise Amplifier	Tonscend	TAP9K3G40	AP23A8060273	2023/04/08	2025/04/07
Low Noise Amplifier	Tonscend	TAP01018050	AP22G806258	2023/04/08	2025/04/07
Low Noise Amplifier	Tonscend	TAP18040048	AP22G806247	2023/04/08	2025/04/07
Hygrometer	BINGYU	HTC-1	N/A	2023/06/01	2025/05/31
Band Reject Filter Group	Townshend	JS0806-F	23A806F0652	N/A	N/A
Test Software	Tonscend	TS+	Version: 5.0.0	N/A	N/A

Conducted Emission					
Description	Manufacturer	Model	S.N.	Last Due	Cal Due
EMI Tester Receiver	Rohde & Schwarz	ESR3	103108	2023/07/28	2024/07/27
				2024/05/31	2025/05/30
LISN	Rohde & Schwarz	ENV 216	102836	2024/01/10	2025/01/09
				2025/01/04	2026/01/03
Test software	Rohde & Schwarz	ELEKTRA V4.61	N/A	N/A	N/A

3.2 Measurement Uncertainty

Parameter	U _{lab}
Output Power	0.76dB
Conducted Emissions(150kHz~30MHz)	2.43dB
Radiated Emissions(9kHz~30MHz)	2.40dB
Radiated Emissions(30MHz~1000MHz)	4.66dB
Radiated Emissions(1GHz~18GHz)	5.42dB
Radiated Emissions(18GHz~40GHz)	5.46dB

Uncertainty figures are valid to a confidence level of 95%

4 Test Results

4.1 Antenna Requirement

Standard Applicable:	47 CFR Part 15C Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
The antenna gain and type as provided by the manufacturer are as follows: The antenna Type is Integrated. With Antenna gain is 5150 ~ 5250MHz: 2.90dBi(Ant1); 1.24dBi(Ant2); 5250 ~ 5350MHz: 2.90dBi(Ant1); 1.24dBi(Ant2); 5470 ~ 5725MHz: 3.05dBi(Ant1); 1.07dBi(Ant2); 5725 ~ 5850MHz: 3.86dBi(Ant1); 1.11dBi(Ant2); Antenna Anti-Replacement Construction: An embedded-in antenna design is used.	

4.2 Frequency Stability

Standard Applicable:	47 CFR Part 15C Section 15.407(g)
Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.	

4.3 AC Power Line Conducted Emissions

Limits

Frequency range (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

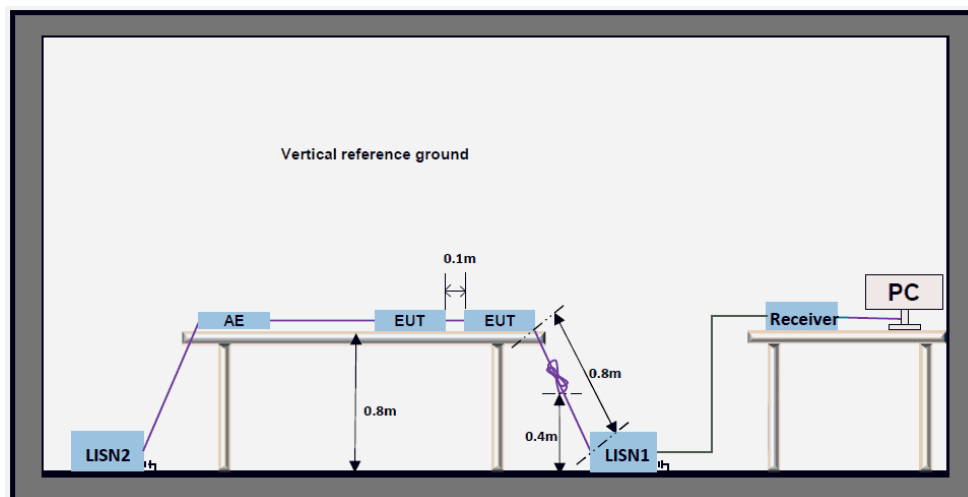
Test Procedure

ANSI C63.10:2020, Section 6.2.

Test Settings

1. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
2. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
3. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
4. Set the test-receiver system to Peak detect function and specified bandwidth (if bandwidth =9kHz) with maximum hold mode. Then measurement is also conducted by average detector and Quasi-Peak detector function respectively
5. Both sides of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

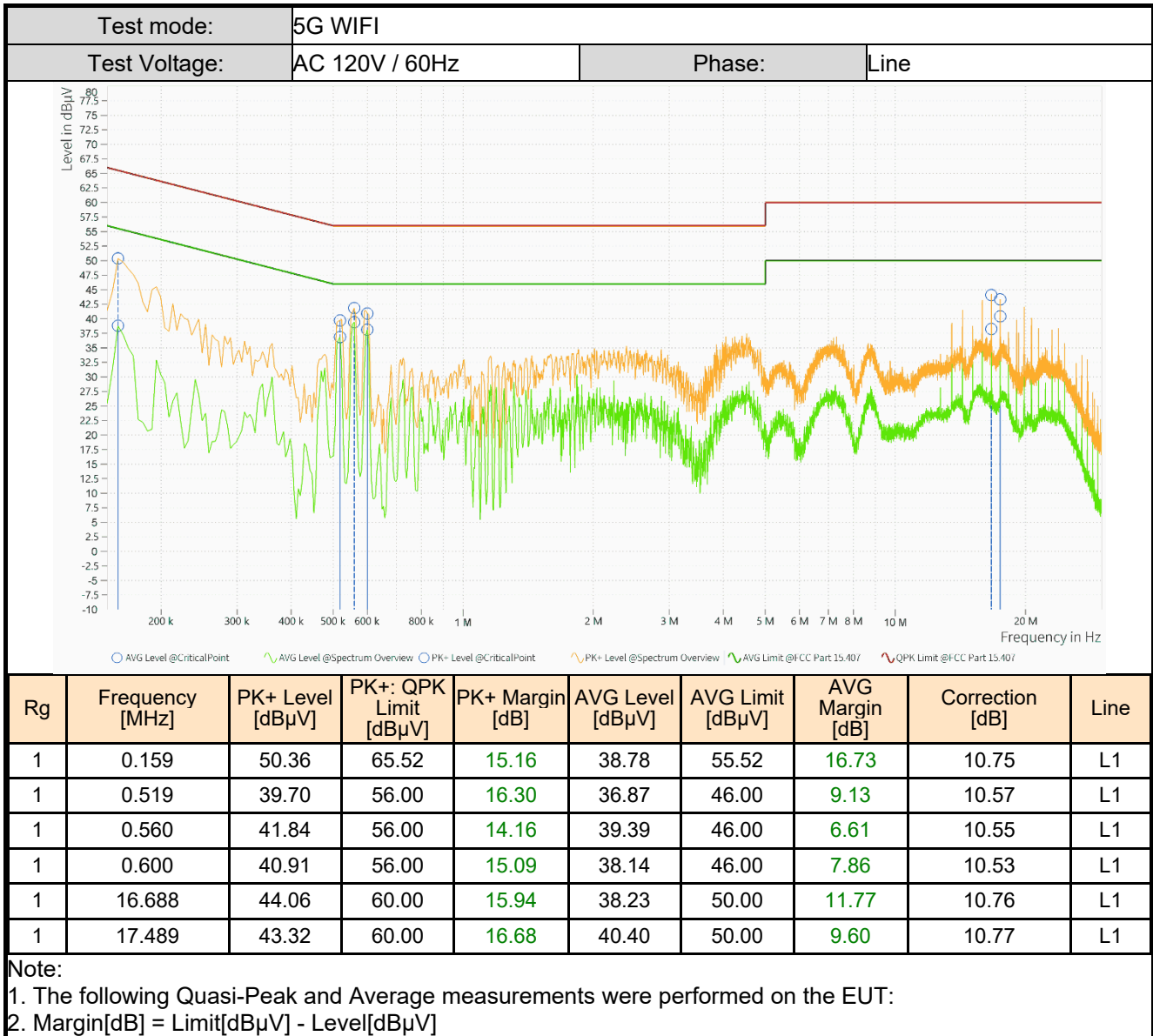
Test Setup

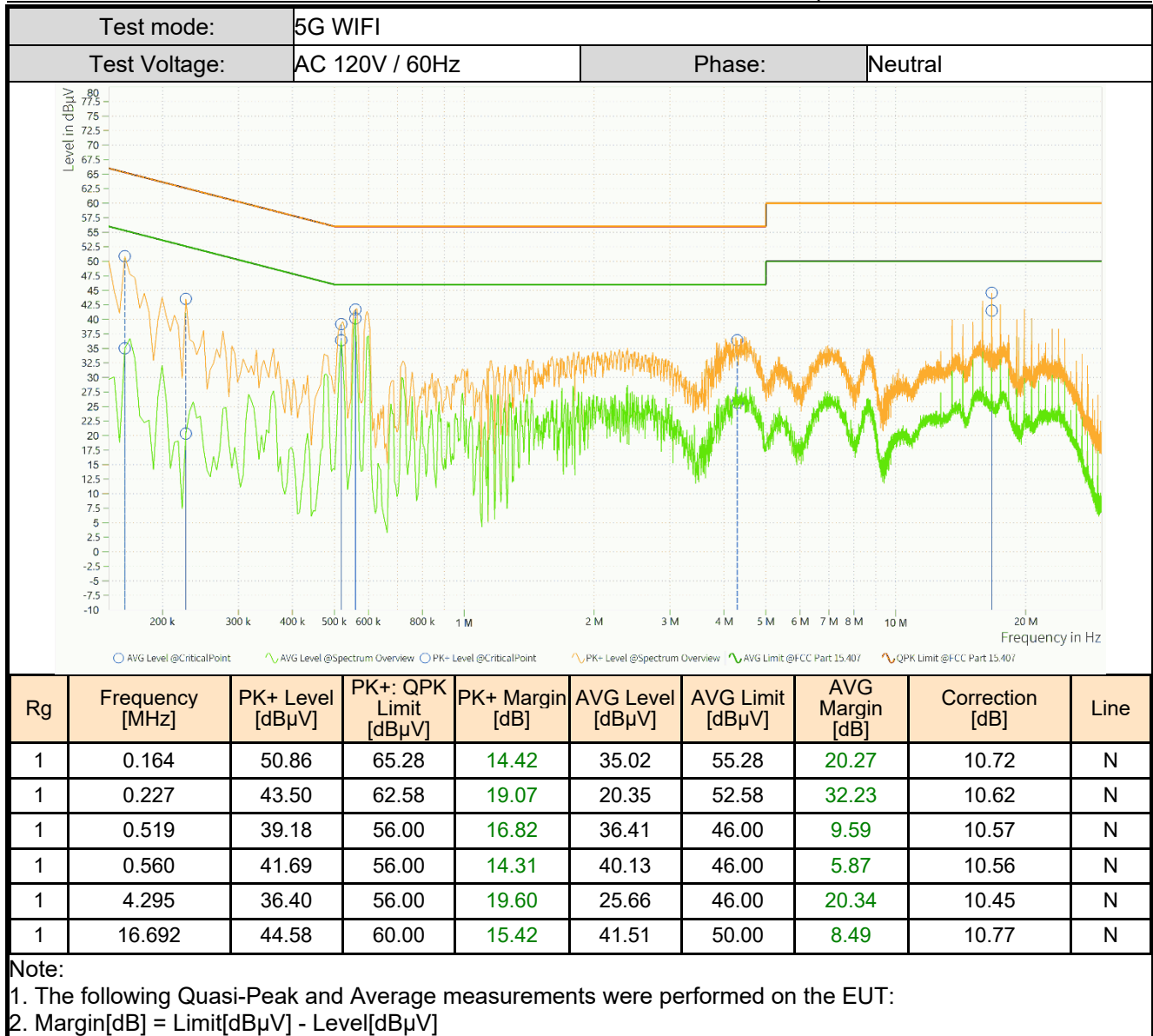


Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result:





4.4 Maximum Conducted Output Power

Limits

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.E.2.b (Other Channel)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.E.3.b(Straddle Channel)

Test Settings

1. PM-G:
Set to the maximum power setting and enable the EUT transmit continuously.
The power output was measured on the EUT antenna port using RF Cable with attenuator connected to a power meter via wideband power sensor. Peak output power was read directly from power meter.
Measure and record the results in the test report.
2. SA:
RBW = 1MHz
VBW $\geq$ 3MHz
Span = Encompass the EBW (or, alternatively, the entire 99% occupied bandwidth)
Sweep = Auto
Detector = power averaging (rms)

Test Setup

Refer to section 2.7.1 Setup 1 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.5 Unwanted Emissions

Limits

Spurious emissions are permitted in an of the frequency bands:

MHz	MHz	MHz	MHz	GHz	GHz
0.090 - 0.110	12.29 - 12.293	149.9 - 150.05	1660 - 1710	4.5 - 5.15	14.47 - 14.5
0.495 - 0.505	12.51975 - 12.52025	156.52475 - 156.52525	1718.8 - 1722.2	5.35 - 5.46	15.35 - 16.2
2.1735 - 2.1905	12.5767 - 12.57725	156.7 - 156.9	2200 - 2300	7.25 - 7.75	17.7 - 21.4
4.125 - 128	13.36 - 13.41	162.0125 - 167.17	2310 - 2390	8.025 - 8.5	22.01 - 23.12
4.17725 - 4.17775	16.42 - 16.423	167.72 - 173.2	2483.5 - 2500	9.0 - 9.2	23.6 - 24.0
4.20725 - 4.20775	16.69475 - 16.69525	240 - 285	2655 - 2900	9.3 - 9.5	31.2 - 31.8
6.215 - 6.218	1680425 - 1680475	322 - 335.4	3260 - 3267	10.6 - 12.7	36.43 - 36.5
6.26775 - 6.26825	25.5 - 25.67	399.9 - 410	3332 - 3339	13.25 - 13.4	
6.31175 - 6.31225	37.5 - 38.25	608 - 614	3345.8 - 3358		
8.291 - 8.294	73 - 74.6	960 - 1240	3600 - 4400		
8.362 - 8.366	74.8 - 75.2	1300 - 1427			
8.37625 - 8.38675	108 - 121.94	1435 - 1626.5			
8.41425 - 8.41475	123 - 138	1645.5 - 1646.5			

Radiated disturbance of an intentional radiator:

Frequency	Field strength ($\mu\text{V/m}$)	Limit (dB $\mu\text{V/m}$)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	74.0	Peak	3
		54.0	Average	

Un-restricted band emissions above 1GHz limit:

For transmitters operating in the 5.15-5.25 GHz band:

All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band:

All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band:

All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating solely in the 5.725-5.850 GHz band:

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.

Test Procedure

ANSI C63.10:2020 Section 6.4 & 6.5 & 6.6.

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.G.3 ~ 6.

Test Settings

1. For radiated emissions measurements performed at frequencies less than or equal to 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the reference ground plane.
2. For radiated emissions measurements performed at frequencies above 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the ground plane.
3. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1m to 4m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e, field strength or received power), when orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25cm.
4. For each suspected emission, the EUT was ranged its worst case and then tune the antenna tower(from 1~4m) and turntable(from 0~360°) find the maximum reading. Preamplifier and a high pass filter are used for the test in order get better signal level comply with the guidelines.
5. The simulated base station was set to force the EUT to its maximum transmitting power.
6. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
7. spectrum analyzer setting:
Measurements Below 1000MHz: RBW = 120 kHz; VBW ≥ 300 kHz; Detector = Peak
Measurements Above 1000MHz: RBW = 1 MHz; VBW ≥ 3 MHz; Detector = Peak
Average Measurements Above 1000MHz:
RBW = 1 MHz, VBW ≥ 1/T, with peak detector for average measurements.
8. The field strength is calculated by adding the Antenna Factor, Cable Factor. The basic equation with a sample calculation is as follows:
Level = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m) – Level(dBμV/m)
9. Repeat above procedures until all frequencies measured was complete.
10. Measure and record the results in the test report.

Test Notes

1. Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
2. Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. the disturbance between 9kHz to 30MHz, 30MHz-1GHz and 18GHz to 40GHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded, so only the harmonics had been displayed.
3. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

Test Setup

Refer to section 2.7.2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

5 Test Setup Photos

The detailed test data see: **Appendix A - BTWIFI Setup Photos**

Appendix

5150 ~ 5250MHz

Maximum conducted output power Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11a	Ant1	5180	4.26	≤23.98	PASS
11a	Ant2	5180	4.93	≤23.98	PASS
11a	Ant1	5200	4.43	≤23.98	PASS
11a	Ant2	5200	4.76	≤23.98	PASS
11a	Ant1	5240	4.34	≤23.98	PASS
11a	Ant2	5240	4.7	≤23.98	PASS
11n20MIMO	Ant1	5180	4.38	≤23.98	PASS
11n20MIMO	Ant2	5180	4.66	≤23.98	PASS
11n20MIMO	total	5180	7.53	≤23.98	PASS
11n20MIMO	Ant1	5200	4.44	≤23.98	PASS
11n20MIMO	Ant2	5200	4.52	≤23.98	PASS
11n20MIMO	total	5200	7.49	≤23.98	PASS
11n20MIMO	Ant1	5240	4.48	≤23.98	PASS
11n20MIMO	Ant2	5240	4.56	≤23.98	PASS
11n20MIMO	total	5240	7.53	≤23.98	PASS
11n40MIMO	Ant1	5190	4.92	≤23.98	PASS
11n40MIMO	Ant2	5190	5.2	≤23.98	PASS
11n40MIMO	total	5190	8.07	≤23.98	PASS
11n40MIMO	Ant1	5230	5.04	≤23.98	PASS
11n40MIMO	Ant2	5230	5.15	≤23.98	PASS
11n40MIMO	total	5230	8.11	≤23.98	PASS
11ac20MIMO	Ant1	5180	4.67	≤23.98	PASS
11ac20MIMO	Ant2	5180	5.06	≤23.98	PASS
11ac20MIMO	total	5180	7.88	≤23.98	PASS
11ac20MIMO	Ant1	5200	3.2	≤23.98	PASS
11ac20MIMO	Ant2	5200	3.54	≤23.98	PASS
11ac20MIMO	total	5200	6.38	≤23.98	PASS
11ac20MIMO	Ant1	5240	3.57	≤23.98	PASS
11ac20MIMO	Ant2	5240	3.51	≤23.98	PASS
11ac20MIMO	total	5240	6.55	≤23.98	PASS
11ac40MIMO	Ant1	5190	3.26	≤23.98	PASS
11ac40MIMO	Ant2	5190	3.58	≤23.98	PASS
11ac40MIMO	total	5190	6.43	≤23.98	PASS
11ac40MIMO	Ant1	5230	3.33	≤23.98	PASS
11ac40MIMO	Ant2	5230	3.59	≤23.98	PASS
11ac40MIMO	total	5230	6.47	≤23.98	PASS
11ac80MIMO	Ant1	5210	5.02	≤23.98	PASS
11ac80MIMO	Ant2	5210	5.13	≤23.98	PASS
11ac80MIMO	total	5210	8.09	≤23.98	PASS
11ac160MIMO	Ant1	5250	5.36	≤23.98	PASS
11ac160MIMO	Ant2	5250	5.26	≤23.98	PASS
11ac160MIMO	total	5250	8.32	≤23.98	PASS
11ax20MIMO	Ant1	5180	4.51	≤23.98	PASS
11ax20MIMO	Ant2	5180	4.92	≤23.98	PASS
11ax20MIMO	total	5180	7.73	≤23.98	PASS
11ax20MIMO	Ant1	5200	4.5	≤23.98	PASS
11ax20MIMO	Ant2	5200	4.9	≤23.98	PASS
11ax20MIMO	total	5200	7.71	≤23.98	PASS
11ax20MIMO	Ant1	5240	4.7	≤23.98	PASS
11ax20MIMO	Ant2	5240	4.9	≤23.98	PASS
11ax20MIMO	total	5240	7.81	≤23.98	PASS
11ax40MIMO	Ant1	5190	4.67	≤23.98	PASS
11ax40MIMO	Ant2	5190	5	≤23.98	PASS
11ax40MIMO	total	5190	7.85	≤23.98	PASS
11ax40MIMO	Ant1	5230	4.69	≤23.98	PASS
11ax40MIMO	Ant2	5230	4.92	≤23.98	PASS

11ax40MIMO	total	5230	7.82	≤ 23.98	PASS
11ax80MIMO	Ant1	5210	4.89	≤ 23.98	PASS
11ax80MIMO	Ant2	5210	5.22	≤ 23.98	PASS
11ax80MIMO	total	5210	8.07	≤ 23.98	PASS
11ax160MIMO	Ant1	5250	5.22	≤ 23.98	PASS
11ax160MIMO	Ant2	5250	5.29	≤ 23.98	PASS
11ax160MIMO	total	5250	8.27	≤ 23.98	PASS

Test Result for AX Part RU_Trigger-Based

TestMode	Antenna	Frequency[MHz]	Ru Size	Ru Index	Result [dBm]	Limit [dBm]	Verdict
11ax20MIMO	Ant1	5180	26Tone	RU0	3.93	≤23.98	PASS
11ax20MIMO	Ant2	5180	26Tone	RU0	4.25	≤23.98	PASS
11ax20MIMO	total	5180	26Tone	RU0	7.10	≤23.98	PASS
11ax20MIMO	Ant1	5180	52Tone	RU37	3.9	≤23.98	PASS
11ax20MIMO	Ant2	5180	52Tone	RU37	4.47	≤23.98	PASS
11ax20MIMO	total	5180	52Tone	RU37	7.20	≤23.98	PASS
11ax20MIMO	Ant1	5180	106Tone	RU53	3.95	≤23.98	PASS
11ax20MIMO	Ant2	5180	106Tone	RU53	4.55	≤23.98	PASS
11ax20MIMO	total	5180	106Tone	RU53	7.27	≤23.98	PASS
11ax40MIMO	Ant1	5190	242Tone	RU61	3.92	≤23.98	PASS
11ax40MIMO	Ant2	5190	242Tone	RU61	4.38	≤23.98	PASS
11ax40MIMO	total	5190	242Tone	RU61	7.17	≤23.98	PASS
11ax80MIMO	Ant1	5210	484Tone	RU65	3.83	≤23.98	PASS
11ax80MIMO	Ant2	5210	484Tone	RU65	4.17	≤23.98	PASS
11ax80MIMO	total	5210	484Tone	RU65	7.01	≤23.98	PASS
11ax160MIMO	Ant1	5250	996Tone	RU67	3.89	≤23.98	PASS
11ax160MIMO	Ant2	5250	996Tone	RU67	4.04	≤23.98	PASS
11ax160MIMO	total	5250	996Tone	RU67	6.98	≤23.98	PASS
11ax160MIMO	Ant1	5250	996Tone	RU68	3.9	≤23.98	PASS
11ax160MIMO	Ant2	5250	996Tone	RU68	4.04	≤23.98	PASS
11ax160MIMO	total	5250	996Tone	RU68	6.98	≤23.98	PASS

5250 ~ 5350MHz**Maximum conducted output power
Test Result**

TestMode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11a	Ant1	5260	4.44	≤23.98	PASS
11a	Ant2	5260	4.65	≤23.98	PASS
11a	Ant1	5300	4.52	≤23.98	PASS
11a	Ant2	5300	4.65	≤23.98	PASS
11a	Ant1	5320	4.6	≤23.98	PASS
11a	Ant2	5320	4.7	≤23.98	PASS
11n20MIMO	Ant1	5260	4.24	≤23.98	PASS
11n20MIMO	Ant2	5260	4.44	≤23.98	PASS
11n20MIMO	total	5260	7.35	≤23.98	PASS
11n20MIMO	Ant1	5300	4.33	≤23.98	PASS
11n20MIMO	Ant2	5300	4.29	≤23.98	PASS
11n20MIMO	total	5300	7.32	≤23.98	PASS
11n20MIMO	Ant1	5320	4.39	≤23.98	PASS
11n20MIMO	Ant2	5320	4.4	≤23.98	PASS
11n20MIMO	total	5320	7.41	≤23.98	PASS
11n40MIMO	Ant1	5270	4.84	≤23.98	PASS
11n40MIMO	Ant2	5270	4.9	≤23.98	PASS
11n40MIMO	total	5270	7.88	≤23.98	PASS
11n40MIMO	Ant1	5310	4.92	≤23.98	PASS
11n40MIMO	Ant2	5310	4.87	≤23.98	PASS
11n40MIMO	total	5310	7.91	≤23.98	PASS
11ac80MIMO	Ant1	5290	4.91	≤23.98	PASS
11ac80MIMO	Ant2	5290	4.95	≤23.98	PASS
11ac80MIMO	total	5290	7.94	≤23.98	PASS
11ac160MIMO	Ant1	5250	5.06	≤23.98	PASS
11ac160MIMO	Ant2	5250	5.22	≤23.98	PASS
11ac160MIMO	total	5250	8.15	≤23.98	PASS
11ax20MIMO	Ant1	5260	4.37	≤23.98	PASS
11ax20MIMO	Ant2	5260	4.47	≤23.98	PASS
11ax20MIMO	total	5260	7.43	≤23.98	PASS
11ax20MIMO	Ant1	5280	4.57	≤23.98	PASS
11ax20MIMO	Ant2	5280	4.55	≤23.98	PASS
11ax20MIMO	total	5280	7.57	≤23.98	PASS
11ax20MIMO	Ant1	5320	4.57	≤23.98	PASS
11ax20MIMO	Ant2	5320	4.53	≤23.98	PASS
11ax20MIMO	total	5320	7.56	≤23.98	PASS
11ax40MIMO	Ant1	5270	4.42	≤23.98	PASS
11ax40MIMO	Ant2	5270	4.45	≤23.98	PASS
11ax40MIMO	total	5270	7.45	≤23.98	PASS
11ax40MIMO	Ant1	5310	4.49	≤23.98	PASS
11ax40MIMO	Ant2	5310	4.37	≤23.98	PASS
11ax40MIMO	total	5310	7.44	≤23.98	PASS
11ax80MIMO	Ant1	5290	4.6	≤23.98	PASS
11ax80MIMO	Ant2	5290	4.63	≤23.98	PASS
11ax80MIMO	total	5290	7.63	≤23.98	PASS
11ax160MIMO	Ant1	5250	5.02	≤23.98	PASS
11ax160MIMO	Ant2	5250	5.08	≤23.98	PASS
11ax160MIMO	total	5250	8.06	≤23.98	PASS

Test Result for AX Part RU_Trigger-Based

Test Mode	ANT	Freq. [MHz]	Ru Size	Ru Index	Result [dBm]	Limit [dBm]	Verdict
11ax20MIMO	Ant1	5320	26Tone	RU8	3.52	≤23.98	PASS
11ax20MIMO	Ant2	5320	26Tone	RU8	3.45	≤23.98	PASS
11ax20MIMO	total	5320	26Tone	RU8	6.50	≤23.98	PASS
11ax20MIMO	Ant1	5320	52Tone	RU40	3.83	≤23.98	PASS
11ax20MIMO	Ant2	5320	52Tone	RU40	3.55	≤23.98	PASS
11ax20MIMO	total	5320	52Tone	RU40	6.70	≤23.98	PASS
11ax20MIMO	Ant1	5320	106Tone	RU54	3.89	≤23.98	PASS
11ax20MIMO	Ant2	5320	106Tone	RU54	3.6	≤23.98	PASS
11ax20MIMO	total	5320	106Tone	RU54	6.76	≤23.98	PASS
11ax40MIMO	Ant1	5310	242Tone	RU62	3.52	≤23.98	PASS
11ax40MIMO	Ant2	5310	242Tone	RU62	3.3	≤23.98	PASS
11ax40MIMO	total	5310	242Tone	RU62	6.42	≤23.98	PASS
11ax80MIMO	Ant1	5290	484Tone	RU66	3.65	≤23.98	PASS
11ax80MIMO	Ant2	5290	484Tone	RU66	3.6	≤23.98	PASS
11ax80MIMO	total	5290	484Tone	RU66	6.64	≤23.98	PASS
11ax160MIMO	Ant1	5250	996Tone	RU67	3.85	≤23.98	PASS
11ax160MIMO	Ant2	5250	996Tone	RU67	3.9	≤23.98	PASS
11ax160MIMO	total	5250	996Tone	RU67	6.89	≤23.98	PASS
11ax160MIMO	Ant1	5250	996Tone	RU68	3.95	≤23.98	PASS
11ax160MIMO	Ant2	5250	996Tone	RU68	3.76	≤23.98	PASS
11ax160MIMO	total	5250	996Tone	RU68	6.87	≤23.98	PASS

5470 ~ 5725MHz

**Maximum conducted output power
Test Result**

TestMode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11a	Ant1	5500	4.54	≤23.98	PASS
11a	Ant2	5500	4.72	≤23.98	PASS
11a	Ant1	5580	4.48	≤23.98	PASS
11a	Ant2	5580	4.9	≤23.98	PASS
11a	Ant1	5700	4.73	≤23.98	PASS
11a	Ant2	5700	4.92	≤23.98	PASS
11n20MIMO	Ant1	5500	4.34	≤23.98	PASS
11n20MIMO	Ant2	5500	4.44	≤23.98	PASS
11n20MIMO	total	5500	7.40	≤23.98	PASS
11n20MIMO	Ant1	5580	4.37	≤23.98	PASS
11n20MIMO	Ant2	5580	4.48	≤23.98	PASS
11n20MIMO	total	5580	7.44	≤23.98	PASS
11n20MIMO	Ant1	5700	4.45	≤23.98	PASS
11n20MIMO	Ant2	5700	4.56	≤23.98	PASS
11n20MIMO	total	5700	7.52	≤23.98	PASS
11n20MIMO	Ant1	5720	4.14	≤23.98	PASS
11n20MIMO	Ant2	5720	4.02	≤23.98	PASS
11n20MIMO	total	5720	7.09	≤23.98	PASS
11n40MIMO	Ant1	5510	4.94	≤23.98	PASS
11n40MIMO	Ant2	5510	4.85	≤23.98	PASS
11n40MIMO	total	5510	7.91	≤23.98	PASS
11n40MIMO	Ant1	5590	4.87	≤23.98	PASS
11n40MIMO	Ant2	5590	5.02	≤23.98	PASS
11n40MIMO	total	5590	7.96	≤23.98	PASS
11n40MIMO	Ant1	5670	5.91	≤23.98	PASS
11n40MIMO	Ant2	5670	5.13	≤23.98	PASS
11n40MIMO	total	5670	8.55	≤23.98	PASS
11n40MIMO	Ant1	5710	5.1	≤23.98	PASS
11n40MIMO	Ant2	5710	5	≤23.98	PASS
11n40MIMO	total	5710	8.06	≤23.98	PASS
11ac80MIMO	Ant1	5530	4.78	≤23.98	PASS
11ac80MIMO	Ant2	5530	4.96	≤23.98	PASS
11ac80MIMO	total	5530	7.88	≤23.98	PASS
11ac80MIMO	Ant1	5610	4.85	≤23.98	PASS
11ac80MIMO	Ant2	5610	5.08	≤23.98	PASS
11ac80MIMO	total	5610	7.98	≤23.98	PASS
11ac80MIMO	Ant1	5690	5.4	≤23.98	PASS
11ac80MIMO	Ant2	5690	5.54	≤23.98	PASS
11ac80MIMO	total	5690	8.48	≤23.98	PASS
11ac160MIMO	Ant1	5570	5.07	≤23.98	PASS
11ac160MIMO	Ant2	5570	4.98	≤23.98	PASS
11ac160MIMO	total	5570	8.04	≤23.98	PASS
11ax20MIMO	Ant1	5500	4.55	≤23.98	PASS
11ax20MIMO	Ant2	5500	4.52	≤23.98	PASS
11ax20MIMO	total	5500	7.55	≤23.98	PASS
11ax20MIMO	Ant1	5580	4.54	≤23.98	PASS
11ax20MIMO	Ant2	5580	4.68	≤23.98	PASS
11ax20MIMO	total	5580	7.62	≤23.98	PASS
11ax20MIMO	Ant1	5700	4.65	≤23.98	PASS
11ax20MIMO	Ant2	5700	4.68	≤23.98	PASS
11ax20MIMO	total	5700	7.68	≤23.98	PASS
11ax20MIMO	Ant1	5720	4.24	≤23.98	PASS
11ax20MIMO	Ant2	5720	4.03	≤23.98	PASS
11ax20MIMO	total	5720	7.15	≤23.98	PASS
11ax40MIMO	Ant1	5510	4.76	≤23.98	PASS
11ax40MIMO	Ant2	5510	4.67	≤23.98	PASS
11ax40MIMO	total	5510	7.73	≤23.98	PASS
11ax40MIMO	Ant1	5590	4.62	≤23.98	PASS
11ax40MIMO	Ant2	5590	4.76	≤23.98	PASS
11ax40MIMO	total	5590	7.70	≤23.98	PASS
11ax40MIMO	Ant1	5670	4.82	≤23.98	PASS

11ax40MIMO	Ant2	5670	4.69	≤23.98	PASS
11ax40MIMO	total	5670	7.77	≤23.98	PASS
11ax40MIMO	Ant1	5710	5.12	≤23.98	PASS
11ax40MIMO	Ant2	5710	5.02	≤23.98	PASS
11ax40MIMO	total	5710	8.08	≤23.98	PASS
11ax80MIMO	Ant1	5530	4.52	≤23.98	PASS
11ax80MIMO	Ant2	5530	4.69	≤23.98	PASS
11ax80MIMO	total	5530	7.62	≤23.98	PASS
11ax80MIMO	Ant1	5610	4.48	≤23.98	PASS
11ax80MIMO	Ant2	5610	4.71	≤23.98	PASS
11ax80MIMO	total	5610	7.61	≤23.98	PASS
11ax80MIMO	Ant1	5690	5.08	≤23.98	PASS
11ax80MIMO	Ant2	5690	5.24	≤23.98	PASS
11ax80MIMO	total	5690	8.17	≤23.98	PASS
11ax160MIMO	Ant1	5570	4.97	≤23.98	PASS
11ax160MIMO	Ant2	5570	4.89	≤23.98	PASS
11ax160MIMO	total	5570	7.94	≤23.98	PASS

Test Result for AX Part RU_Trigger-Based

Test Mode	ANT	Freq. [MHz]	Ru Size	Ru Index	Result [dBm]	Limit [dBm]	Verdict
11ax20MIMO	Ant1	5500	26Tone	RU0	3.55	≤23.98	PASS
11ax20MIMO	Ant2	5500	26Tone	RU0	3.48	≤23.98	PASS
11ax20MIMO	total	5500	26Tone	RU0	6.53	≤23.98	PASS
11ax20MIMO	Ant1	5500	52Tone	RU37	3.77	≤23.98	PASS
11ax20MIMO	Ant2	5500	52Tone	RU37	3.72	≤23.98	PASS
11ax20MIMO	total	5500	52Tone	RU37	6.76	≤23.98	PASS
11ax20MIMO	Ant1	5500	106Tone	RU53	3.82	≤23.98	PASS
11ax20MIMO	Ant2	5500	106Tone	RU53	3.78	≤23.98	PASS
11ax20MIMO	total	5500	106Tone	RU53	6.81	≤23.98	PASS
11ax20MIMO	Ant1	5700	26Tone	RU8	3.78	≤23.98	PASS
11ax20MIMO	Ant2	5700	26Tone	RU8	3.72	≤23.98	PASS
11ax20MIMO	total	5700	26Tone	RU8	6.76	≤23.98	PASS
11ax20MIMO	Ant1	5700	52Tone	RU40	3.95	≤23.98	PASS
11ax20MIMO	Ant2	5700	52Tone	RU40	4.02	≤23.98	PASS
11ax20MIMO	total	5700	52Tone	RU40	7.00	≤23.98	PASS
11ax20MIMO	Ant1	5700	106Tone	RU54	4.01	≤23.98	PASS
11ax20MIMO	Ant2	5700	106Tone	RU54	3.97	≤23.98	PASS
11ax20MIMO	total	5700	106Tone	RU54	7.00	≤23.98	PASS
11ax40MIMO	Ant1	5510	242Tone	RU61	4.12	≤23.98	PASS
11ax40MIMO	Ant2	5510	242Tone	RU61	4.19	≤23.98	PASS
11ax40MIMO	total	5510	242Tone	RU61	7.17	≤23.98	PASS
11ax40MIMO	Ant1	5670	242Tone	RU62	4.17	≤23.98	PASS
11ax40MIMO	Ant2	5670	242Tone	RU62	4.28	≤23.98	PASS
11ax40MIMO	total	5670	242Tone	RU62	7.24	≤23.98	PASS
11ax80MIMO	Ant1	5530	484Tone	RU65	3.75	≤23.98	PASS
11ax80MIMO	Ant2	5530	484Tone	RU65	3.78	≤23.98	PASS
11ax80MIMO	total	5530	484Tone	RU65	6.78	≤23.98	PASS
11ax160MIMO	Ant1	5570	996Tone	RU67	4.03	≤23.98	PASS
11ax160MIMO	Ant2	5570	996Tone	RU67	4.04	≤23.98	PASS
11ax160MIMO	total	5570	996Tone	RU67	7.05	≤23.98	PASS
11ax160MIMO	Ant1	5570	996Tone	RU68	3.95	≤23.98	PASS
11ax160MIMO	Ant2	5570	996Tone	RU68	4.12	≤23.98	PASS
11ax160MIMO	total	5570	996Tone	RU68	7.05	≤23.98	PASS

5725 ~ 5850MHz

Maximum conducted output power
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11a	Ant1	5745	4.81	≤30.00	PASS
11a	Ant2	5745	4.922	≤30.00	PASS
11a	Ant1	5785	4.7	≤30.00	PASS
11a	Ant2	5785	4.634	≤30.00	PASS
11a	Ant1	5825	4.57	≤30.00	PASS
11a	Ant2	5825	4.621	≤30.00	PASS
11n20MIMO	Ant1	5745	4.76	≤30.00	PASS
11n20MIMO	Ant2	5745	4.432	≤30.00	PASS
11n20MIMO	total	5745	7.61	≤30.00	PASS
11n20MIMO	Ant1	5785	4.63	≤30.00	PASS
11n20MIMO	Ant2	5785	4.129	≤30.00	PASS
11n20MIMO	total	5785	7.40	≤30.00	PASS
11n20MIMO	Ant1	5825	4.26	≤30.00	PASS
11n20MIMO	Ant2	5825	4.234	≤30.00	PASS
11n20MIMO	total	5825	7.26	≤30.00	PASS
11n20MIMO	Ant1	5720	-3.15	≤30.00	PASS
11n20MIMO	Ant2	5720	-3.27	≤30.00	PASS
11n20MIMO	total	5720	-0.20	≤30.00	PASS
11n40MIMO	Ant1	5755	5.11	≤30.00	PASS
11n40MIMO	Ant2	5755	4.937	≤30.00	PASS
11n40MIMO	total	5755	8.03	≤30.00	PASS
11n40MIMO	Ant1	5795	4.95	≤30.00	PASS
11n40MIMO	Ant2	5795	4.771	≤30.00	PASS
11n40MIMO	total	5795	7.87	≤30.00	PASS
11n40MIMO	Ant1	5710	-7.34	≤30.00	PASS
11n40MIMO	Ant2	5710	-7.98	≤30.00	PASS
11n40MIMO	total	5710	-4.64	≤30.00	PASS
11ac80MIMO	Ant1	5775	5.04	≤30.00	PASS
11ac80MIMO	Ant2	5775	4.652	≤30.00	PASS
11ac80MIMO	total	5775	7.86	≤30.00	PASS
11ac80MIMO	Ant1	5690	-10.75	≤30.00	PASS
11ac80MIMO	Ant2	5690	-10.87	≤30.00	PASS
11ac80MIMO	total	5690	-7.80	≤30.00	PASS
11ax20MIMO	Ant1	5745	4.57	≤30.00	PASS
11ax20MIMO	Ant2	5745	4.287	≤30.00	PASS
11ax20MIMO	total	5745	7.44	≤30.00	PASS
11ax20MIMO	Ant1	5785	4.67	≤30.00	PASS
11ax20MIMO	Ant2	5785	4.404	≤30.00	PASS
11ax20MIMO	total	5785	7.55	≤30.00	PASS
11ax20MIMO	Ant1	5825	4.54	≤30.00	PASS
11ax20MIMO	Ant2	5825	4.262	≤30.00	PASS
11ax20MIMO	total	5825	7.41	≤30.00	PASS
11ax20MIMO	Ant1	5720	-2.63	≤30.00	PASS
11ax20MIMO	Ant2	5720	-2.81	≤30.00	PASS
11ax20MIMO	total	5720	0.29	≤30.00	PASS
11ax40MIMO	Ant1	5755	4.67	≤30.00	PASS
11ax40MIMO	Ant2	5755	4.531	≤30.00	PASS
11ax40MIMO	total	5755	7.61	≤30.00	PASS
11ax40MIMO	Ant1	5795	4.46	≤30.00	PASS
11ax40MIMO	Ant2	5795	4.527	≤30.00	PASS
11ax40MIMO	total	5795	7.50	≤30.00	PASS
11ax40MIMO	Ant1	5710	-7.3	≤30.00	PASS
11ax40MIMO	Ant2	5710	-7.9	≤30.00	PASS
11ax40MIMO	total	5710	-4.58	≤30.00	PASS
11ax80MIMO	Ant1	5775	4.57	≤30.00	PASS
11ax80MIMO	Ant2	5775	4.543	≤30.00	PASS
11ax80MIMO	total	5775	7.57	≤30.00	PASS
11ax80MIMO	Ant1	5690	-10.22	≤30.00	PASS
11ax80MIMO	Ant2	5690	-10.39	≤30.00	PASS
11ax80MIMO	total	5690	-7.29	≤30.00	PASS

Test Result for AX Part RU_Trigger-Based

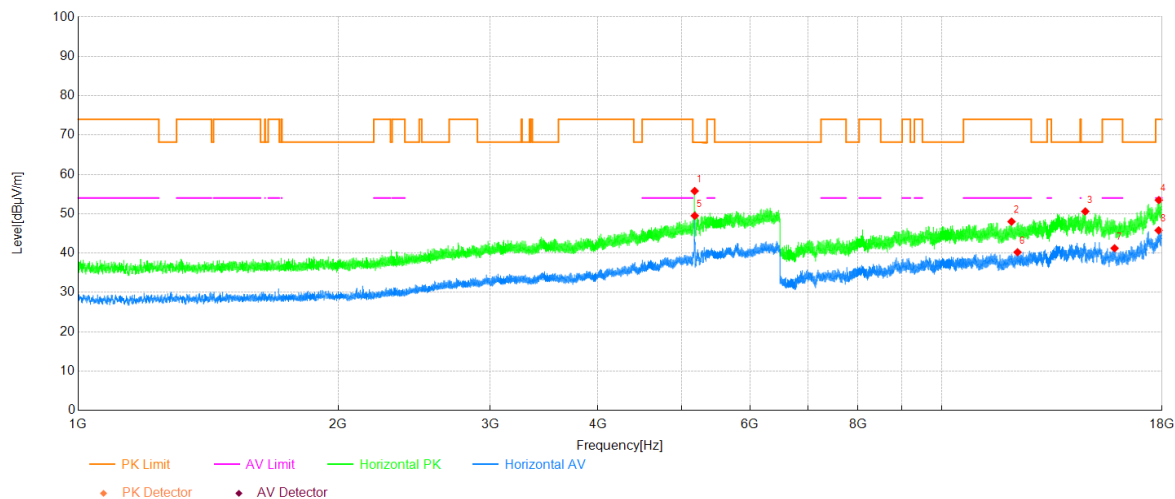
Test Mode	ANT	Freq. [MHz]	Ru Size	Ru Index	Result [dBm]	Limit [dBm]	Verdict
11ax20MIMO	Ant1	5745	26Tone	RU0	3.72	≤30.00	PASS
11ax20MIMO	Ant2	5745	26Tone	RU0	4.735	≤30.00	PASS
11ax20MIMO	total	5745	26Tone	RU0	7.27	≤30.00	PASS
11ax20MIMO	Ant1	5745	52Tone	RU37	3.81	≤30.00	PASS
11ax20MIMO	Ant2	5745	52Tone	RU37	5.016	≤30.00	PASS
11ax20MIMO	total	5745	52Tone	RU37	7.47	≤30.00	PASS
11ax20MIMO	Ant1	5745	106Tone	RU53	3.87	≤30.00	PASS
11ax20MIMO	Ant2	5745	106Tone	RU53	5.019	≤30.00	PASS
11ax20MIMO	total	5745	106Tone	RU53	7.49	≤30.00	PASS
11ax40MIMO	Ant1	5755	242Tone	RU61	3.91	≤30.00	PASS
11ax40MIMO	Ant2	5755	242Tone	RU61	5.113	≤30.00	PASS
11ax40MIMO	total	5755	242Tone	RU61	7.56	≤30.00	PASS
11ax80MIMO	Ant1	5775	484Tone	RU65	3.96	≤30.00	PASS
11ax80MIMO	Ant2	5775	484Tone	RU65	4.644	≤30.00	PASS
11ax80MIMO	total	5775	484Tone	RU65	7.33	≤30.00	PASS

Radiated Spurious Emissions

Test Result

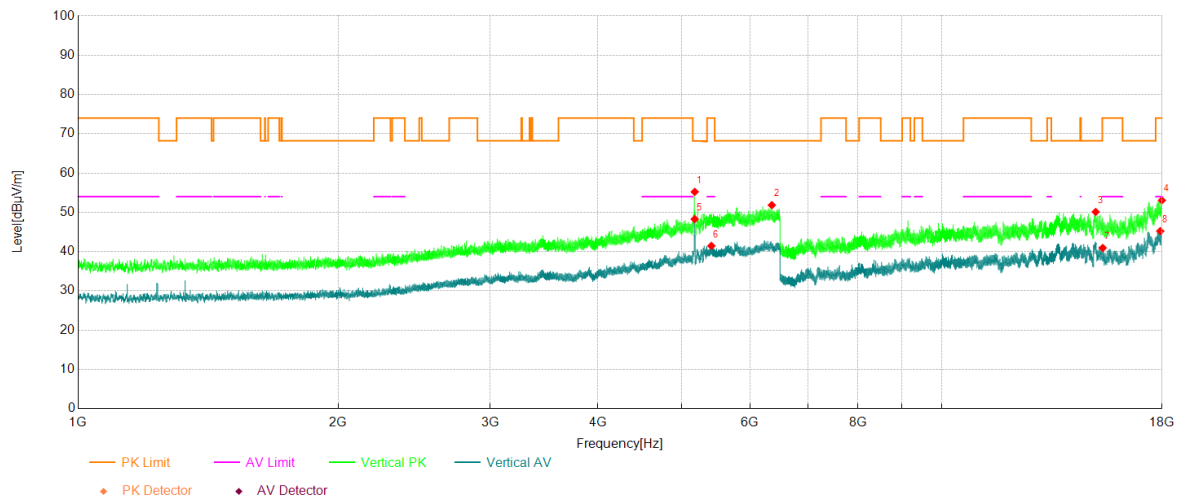
Project Information			
Mode:	802.11a	Band:	U-UNII-1
Bandwidth	20MHz	Channel	36
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph



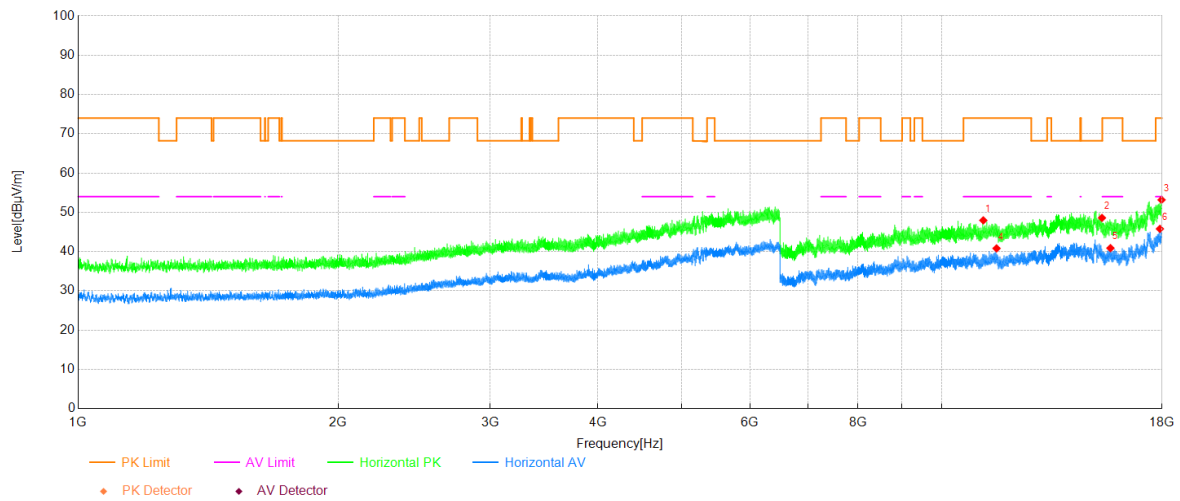
Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	5176.36	40.39	15.39	55.78	-	-	Horizontal	NA
2	12050.47	42.57	5.43	48.00	74.00	26.00	Horizontal	PASS
3	14667.96	41.14	9.45	50.59	68.20	17.61	Horizontal	PASS
4	17846.66	39.62	13.84	53.46	74.00	20.54	Horizontal	PASS
5	5177.46	34.10	15.40	49.50	-	-	Horizontal	NA
6	12244.06	34.87	5.36	40.23	54.00	13.77	Horizontal	PASS
7	15860.93	33.11	8.12	41.23	54.00	12.77	Horizontal	PASS
8	17837.84	32.30	13.48	45.78	54.00	8.22	Horizontal	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-1
Bandwidth	20MHz	Channel	36
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph

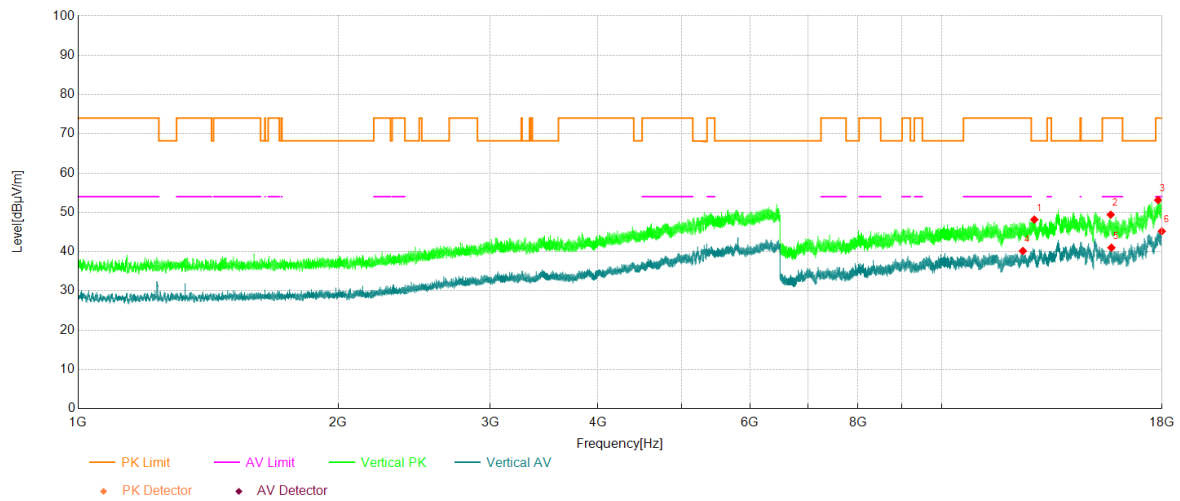
Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	5177.18	39.81	15.40	55.21	-	-	Vertical	NA
2	6358.37	33.44	18.39	51.83	68.20	16.37	Vertical	PASS
3	15079.67	40.99	9.11	50.10	68.20	18.10	Vertical	PASS
4	17992.33	39.36	13.68	53.04	74.00	20.96	Vertical	PASS
5	5176.36	32.88	15.39	48.27	-	-	Vertical	NA
6	5411.77	25.15	16.31	41.46	54.00	12.54	Vertical	PASS
7	15366.03	34.02	6.91	40.93	54.00	13.07	Vertical	PASS
8	17914.13	31.95	13.27	45.22	54.00	8.78	Vertical	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-1
Bandwidth	20MHz	Channel	40
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

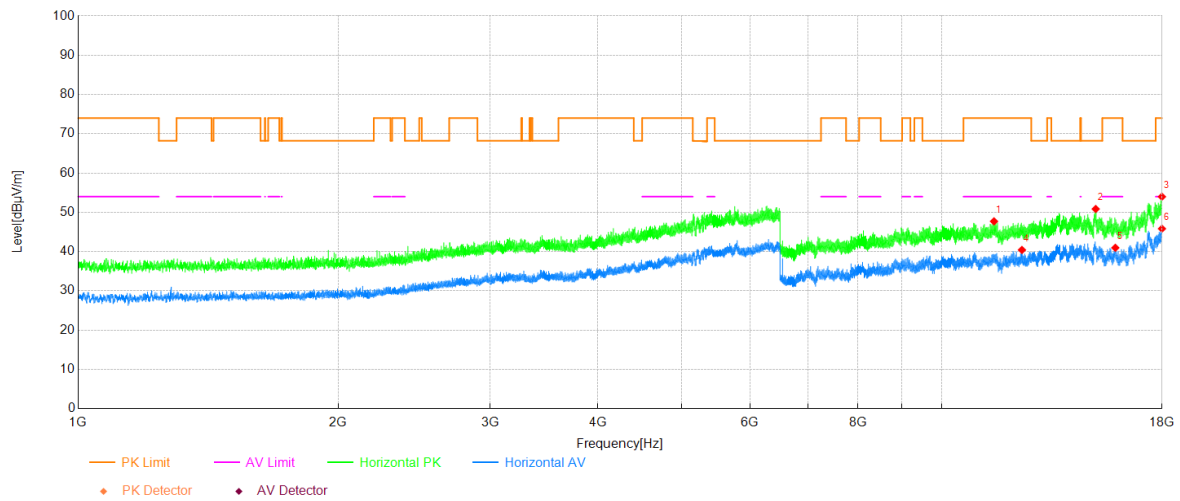
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	11176.06	43.57	4.38	47.95	74.00	26.05	Horizontal	PASS
2	15335.74	41.36	7.22	48.58	68.20	19.62	Horizontal	PASS
3	17977.38	39.71	13.46	53.17	74.00	20.83	Horizontal	PASS
4	11578.57	35.44	5.38	40.82	54.00	13.18	Horizontal	PASS
5	15685.36	33.19	7.69	40.88	54.00	13.12	Horizontal	PASS
6	17897.65	32.41	13.38	45.79	54.00	8.21	Horizontal	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-1
Bandwidth	20MHz	Channel	40
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	12805.28	42.13	6.02	48.15	68.20	20.05	Vertical	PASS
2	15696.86	41.28	8.13	49.41	74.00	24.59	Vertical	PASS
3	17812.54	40.72	12.40	53.12	74.00	20.88	Vertical	PASS
4	12417.33	34.25	5.91	40.16	54.00	13.84	Vertical	PASS
5	15727.14	33.12	7.88	41.00	54.00	13.00	Vertical	PASS
6	17990.42	31.52	13.65	45.17	54.00	8.83	Vertical	PASS

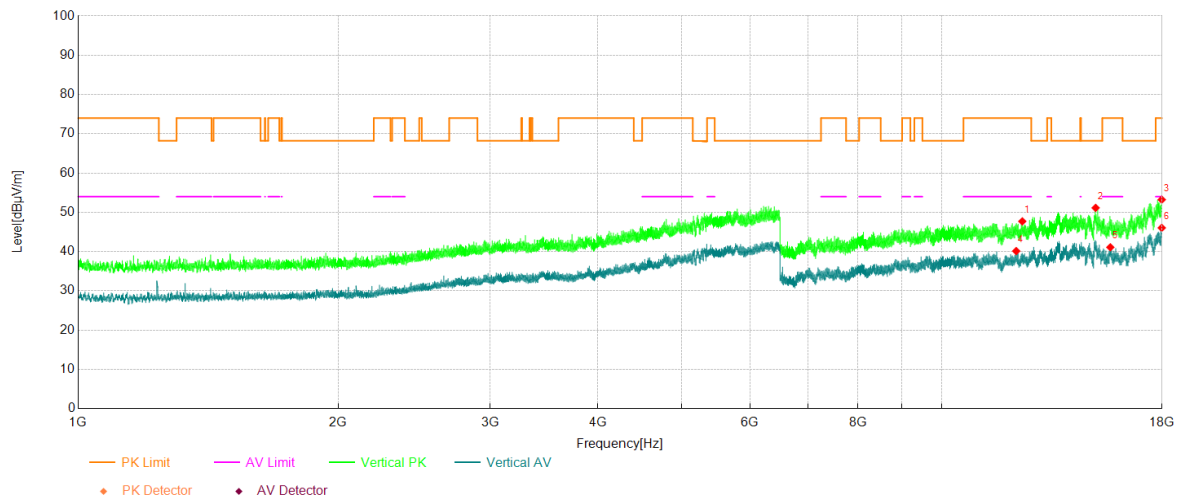
Project Information			
Mode:	802.11a	Band:	U-UNII-1
Bandwidth	20MHz	Channel	48
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	11499.60	42.89	4.81	47.70	74.00	26.30	Horizontal	PASS
2	15081.97	41.75	9.10	50.85	68.20	17.35	Horizontal	PASS
3	17993.48	40.28	13.69	53.97	74.00	20.03	Horizontal	PASS
4	12388.58	34.39	6.03	40.42	54.00	13.58	Horizontal	PASS
5	15892.36	32.98	7.99	40.97	54.00	13.03	Horizontal	PASS
6	17995.78	32.10	13.73	45.83	54.00	8.17	Horizontal	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-1
Bandwidth	20MHz	Channel	48
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

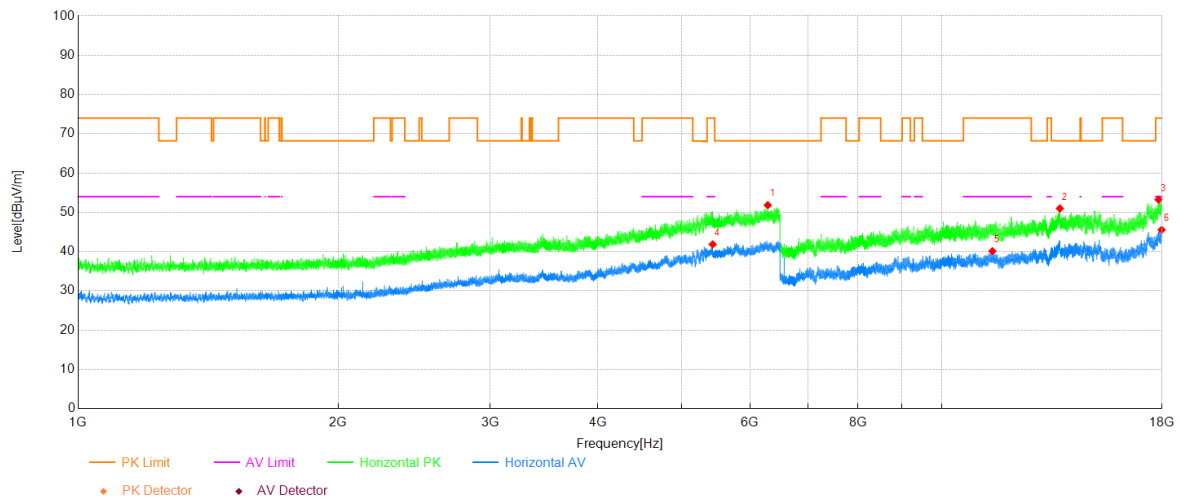
Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	12400.08	41.44	6.26	47.70	74.00	26.30	Vertical	PASS
2	15079.29	42.03	9.11	51.14	68.20	17.06	Vertical	PASS
3	17986.58	39.62	13.60	53.22	74.00	20.78	Vertical	PASS
4	12200.74	34.86	5.27	40.13	54.00	13.87	Vertical	PASS
5	15681.91	33.55	7.55	41.10	54.00	12.90	Vertical	PASS
6	17986.58	32.44	13.60	46.04	54.00	7.96	Vertical	PASS

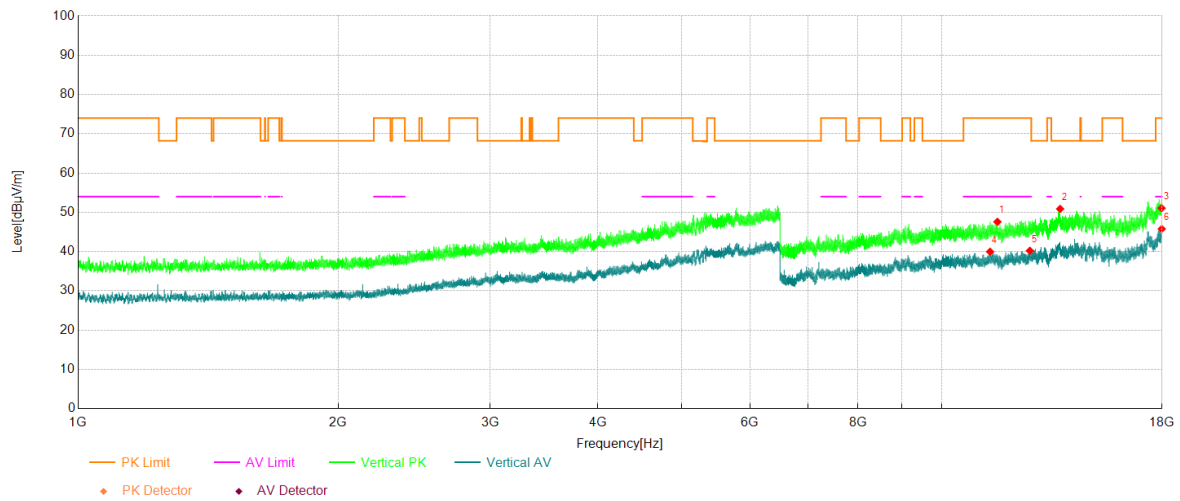
Project Information			
Mode:	802.11a	Band:	U-UNII-2A
Bandwidth	20MHz	Channel	52
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	6290.44	33.19	18.63	51.82	68.20	16.38	Horizontal	PASS
2	13708.44	41.99	8.99	50.98	68.20	17.22	Horizontal	PASS
3	17836.31	39.84	13.40	53.24	74.00	20.76	Horizontal	PASS
4	5431.02	25.62	16.23	41.85	54.00	12.15	Horizontal	PASS
5	11450.15	35.03	5.07	40.10	54.00	13.90	Horizontal	PASS
6	17981.98	32.01	13.53	45.54	54.00	8.46	Horizontal	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-2A
Bandwidth	20MHz	Channel	52
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

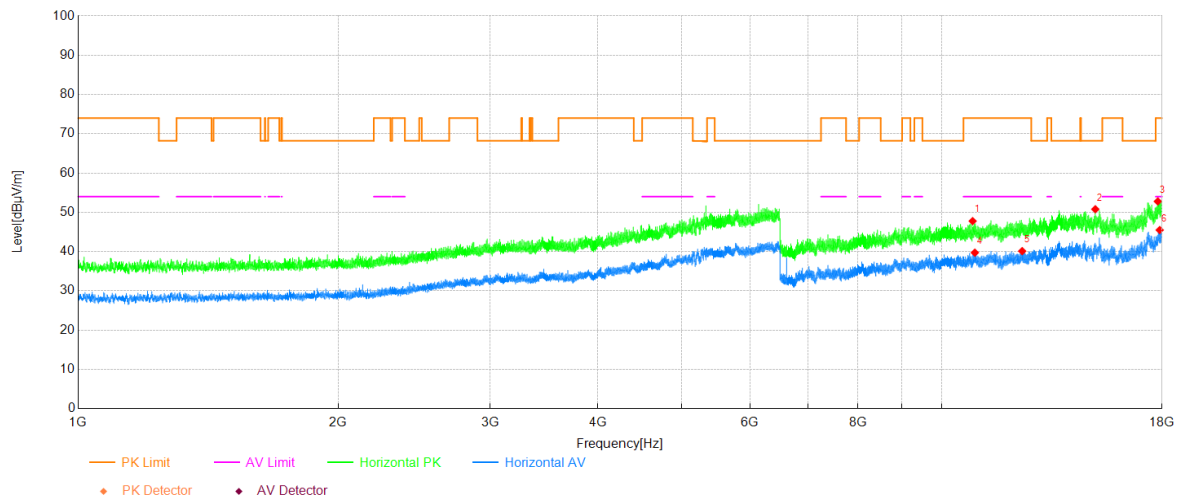
Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	11604.25	41.97	5.61	47.58	74.00	26.42	Vertical	PASS
2	13715.72	42.26	8.61	50.87	68.20	17.33	Vertical	PASS
3	17980.07	37.56	13.50	51.06	74.00	20.69	Vertical	PASS
4	11380.00	34.73	5.25	39.98	54.00	14.02	Vertical	PASS
5	12653.47	34.05	6.16	40.21	54.00	13.79	Vertical	PASS
6	17984.67	32.20	13.57	45.77	54.00	8.23	Vertical	PASS

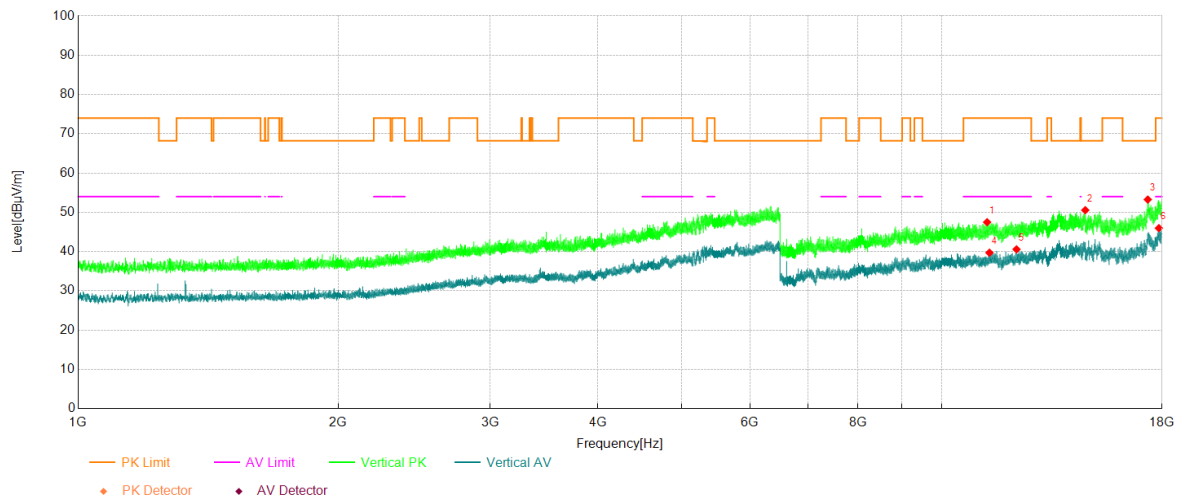
Project Information			
Mode:	802.11a	Band:	U-UNII-2A
Bandwidth	20MHz	Channel	60
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	10862.48	43.73	4.04	47.77	74.00	26.23	Horizontal	PASS
2	15063.95	41.62	9.17	50.79	68.20	17.41	Horizontal	PASS
3	17797.98	40.94	11.85	52.79	74.00	21.21	Horizontal	PASS
4	10926.88	34.76	4.97	39.73	54.00	14.27	Horizontal	PASS
5	12395.86	33.95	6.17	40.12	54.00	13.88	Horizontal	PASS
6	17888.83	32.00	13.49	45.49	54.00	8.51	Horizontal	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-2A
Bandwidth	20MHz	Channel	60
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

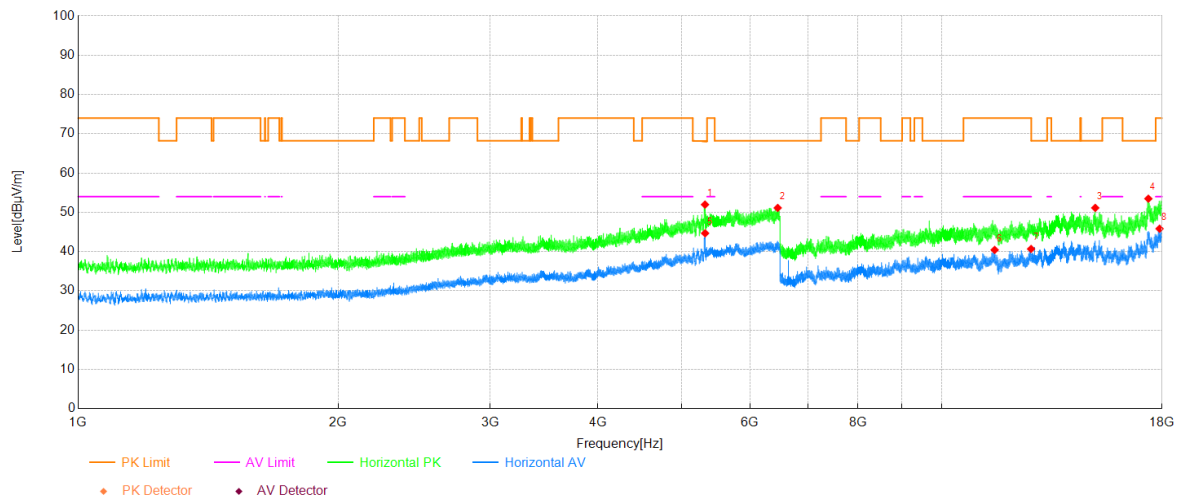
Test Graph



Data List

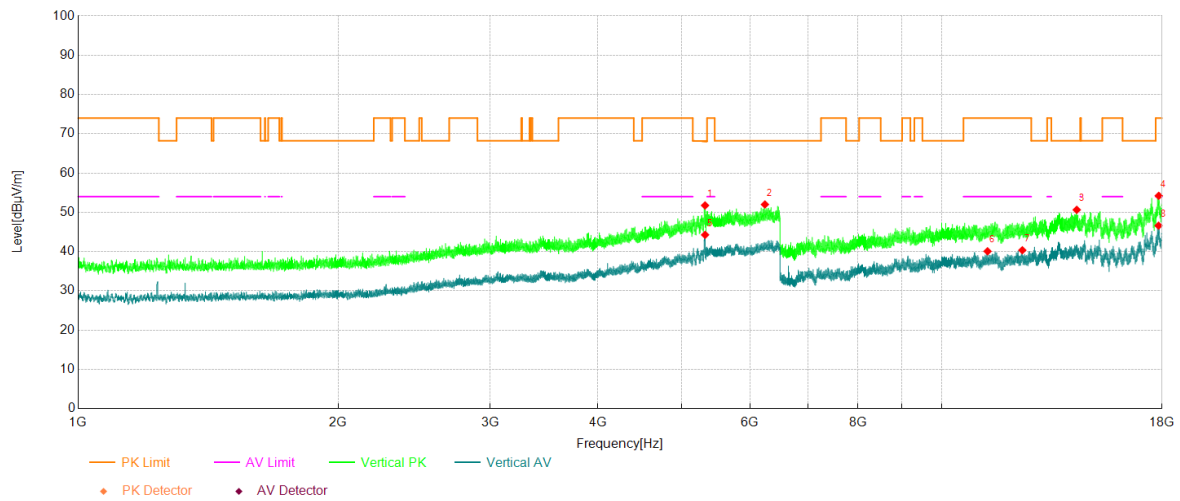
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	11289.14	42.80	4.69	47.49	74.00	26.51	Vertical	PASS
2	14667.57	41.09	9.46	50.55	68.20	17.65	Vertical	PASS
3	17328.38	41.71	11.55	53.26	68.20	14.94	Vertical	PASS
4	11360.83	34.61	5.11	39.72	54.00	14.28	Vertical	PASS
5	12211.09	35.29	5.29	40.58	54.00	13.42	Vertical	PASS
6	17848.58	32.05	13.93	45.98	54.00	8.02	Vertical	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-2A
Bandwidth	20MHz	Channel	64
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

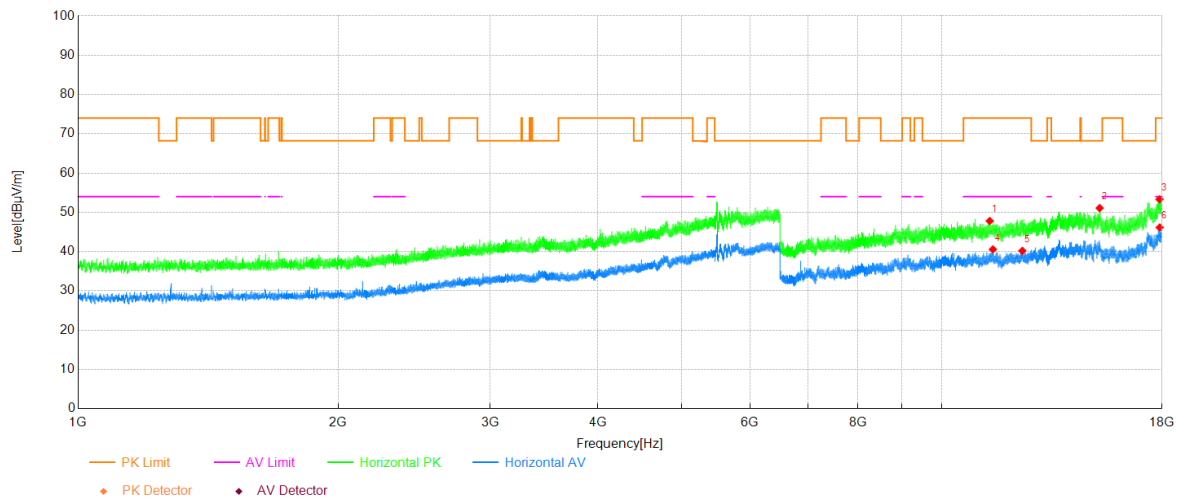
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	5320.74	35.79	16.18	51.97	-	-	Horizontal	NA
2	6459.02	32.25	18.88	51.13	68.20	17.07	Horizontal	PASS
3	15063.19	41.96	9.17	51.13	68.20	17.07	Horizontal	PASS
4	17356.75	41.25	12.22	53.47	68.20	14.73	Horizontal	PASS
5	5322.12	28.48	16.18	44.66	-	-	Horizontal	NA
6	11519.15	35.59	4.84	40.43	54.00	13.57	Horizontal	PASS
7	12693.72	34.71	5.96	40.67	54.00	13.33	Horizontal	PASS
8	17882.31	32.26	13.57	45.83	54.00	8.17	Horizontal	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-2A
Bandwidth	20MHz	Channel	64
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

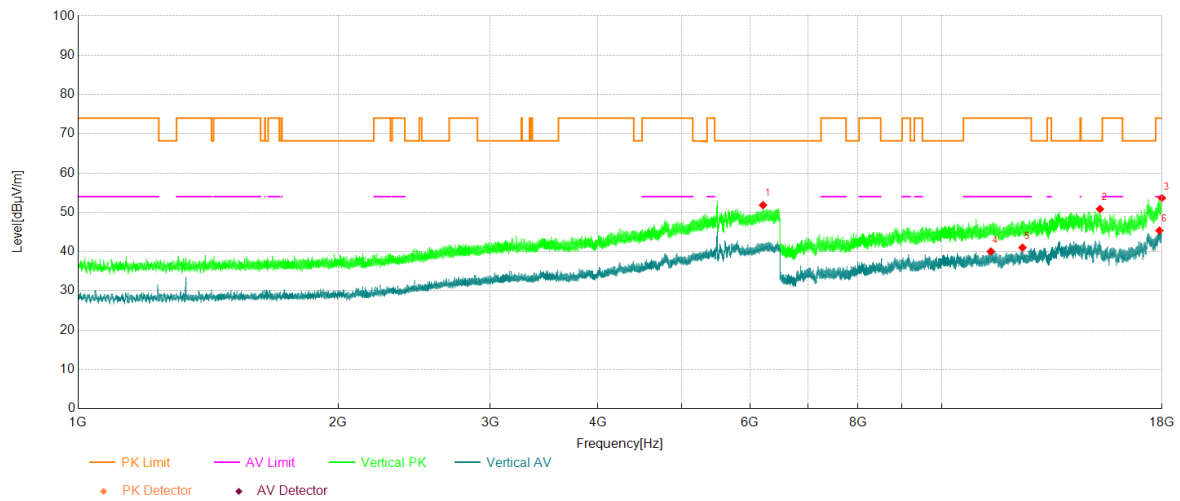
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	5321.57	35.57	16.18	51.75	-	-	Vertical	NA
2	6242.31	33.86	18.14	52.00	68.20	16.20	Vertical	PASS
3	14338.28	41.71	8.93	50.64	68.20	17.56	Vertical	PASS
4	17842.44	40.54	13.66	54.20	74.00	19.80	Vertical	PASS
5	5321.84	28.08	16.18	44.26	-	-	Vertical	NA
6	11302.94	35.41	4.67	40.08	54.00	13.92	Vertical	PASS
7	12401.61	34.12	6.23	40.35	54.00	13.65	Vertical	PASS
8	17832.86	33.34	13.26	46.60	54.00	7.40	Vertical	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-2C
Bandwidth	20MHz	Channel	100
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

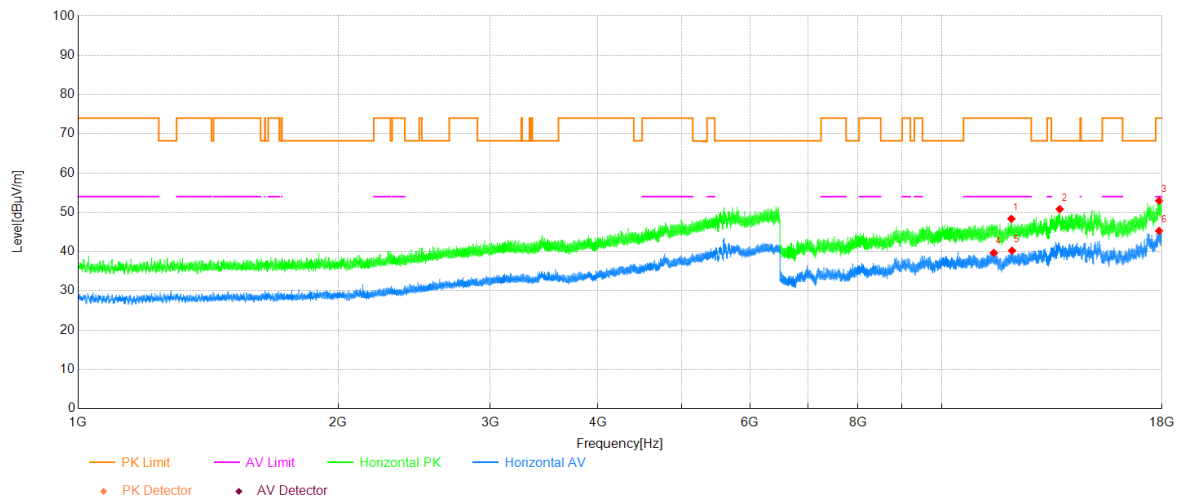
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	11367.73	42.64	5.16	47.80	74.00	26.20	Horizontal	PASS
2	15241.06	41.43	9.65	51.08	68.20	17.12	Horizontal	PASS
3	17880.40	39.70	13.59	53.29	74.00	20.71	Horizontal	PASS
4	11465.48	35.58	4.98	40.56	54.00	13.44	Horizontal	PASS
5	12401.23	33.95	6.24	40.19	54.00	13.81	Horizontal	PASS
6	17889.60	32.66	13.48	46.14	54.00	7.86	Horizontal	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-2C
Bandwidth	20MHz	Channel	100
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

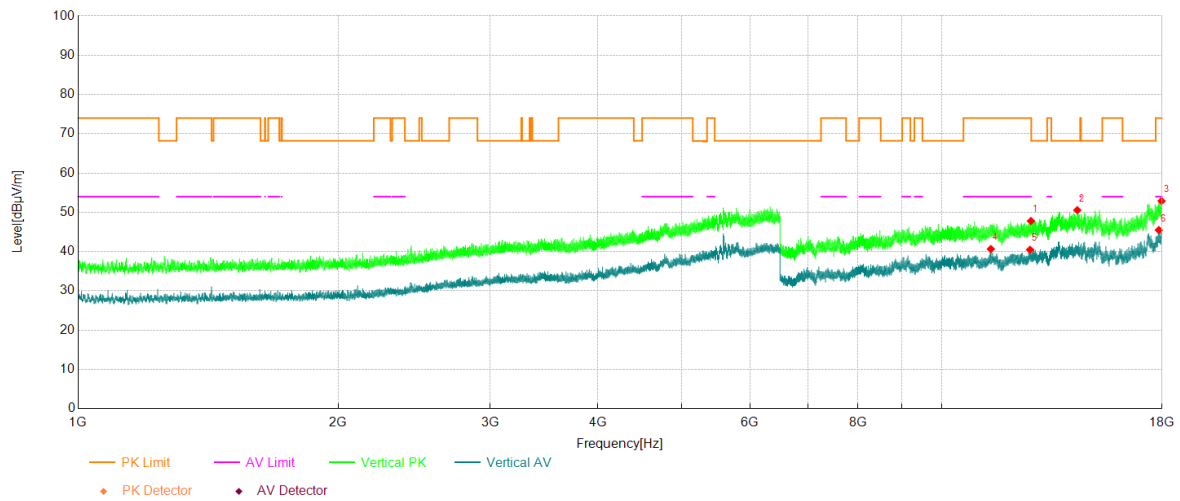
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	6211.24	33.80	18.03	51.83	68.20	16.37	Vertical	PASS
2	15252.18	40.95	9.88	50.83	68.20	17.37	Vertical	PASS
3	17990.80	39.98	13.65	53.63	74.00	20.37	Vertical	PASS
4	11401.85	34.66	5.38	40.04	54.00	13.96	Vertical	PASS
5	12406.98	34.89	6.12	41.01	54.00	12.99	Vertical	PASS
6	17877.33	31.72	13.63	45.35	54.00	8.65	Vertical	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-2C
Bandwidth	20MHz	Channel	120
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

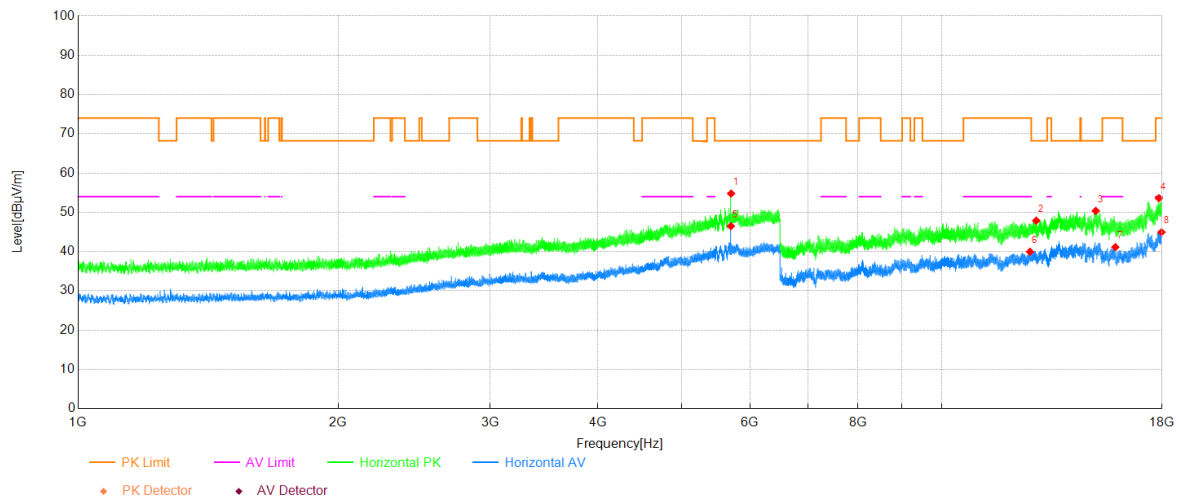
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	12043.57	42.94	5.40	48.34	74.00	25.66	Horizontal	PASS
2	13700.39	41.40	9.40	50.80	68.20	17.40	Horizontal	PASS
3	17863.15	39.13	13.82	52.95	74.00	21.05	Horizontal	PASS
4	11495.00	34.85	4.84	39.69	54.00	14.31	Horizontal	PASS
5	12066.19	34.88	5.36	40.24	54.00	13.76	Horizontal	PASS
6	17863.53	31.45	13.82	45.27	54.00	8.73	Horizontal	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-2C
Bandwidth	20MHz	Channel	120
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

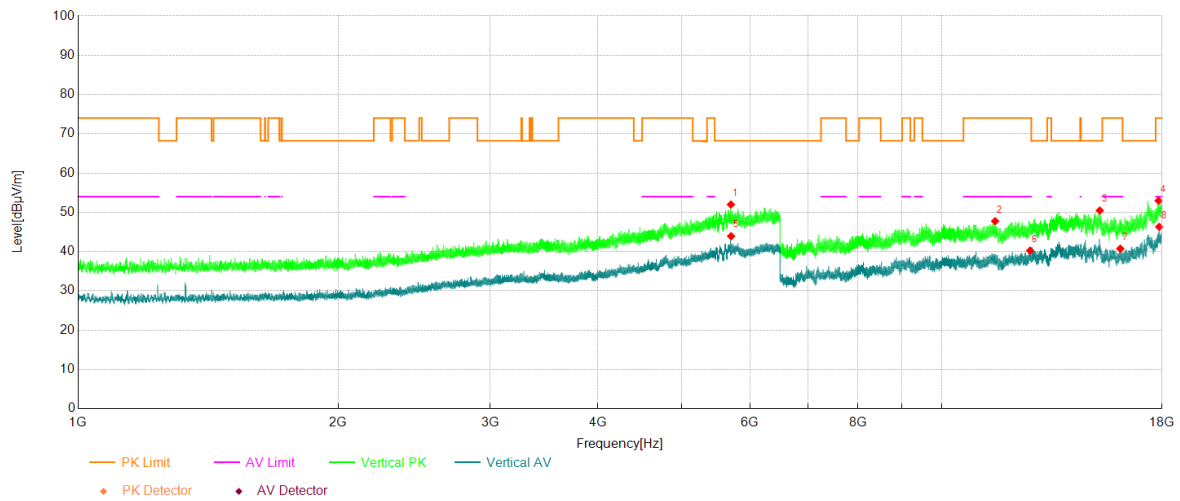
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	12689.12	41.80	5.99	47.79	74.00	26.21	Vertical	PASS
2	14359.36	41.64	8.90	50.54	68.20	17.66	Vertical	PASS
3	17977.00	39.42	13.46	52.88	74.00	21.12	Vertical	PASS
4	11402.61	35.28	5.38	40.66	54.00	13.34	Vertical	PASS
5	12659.22	34.33	6.13	40.46	54.00	13.54	Vertical	PASS
6	17847.81	31.59	13.90	45.49	54.00	8.51	Vertical	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-2C
Bandwidth	20MHz	Channel	140
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

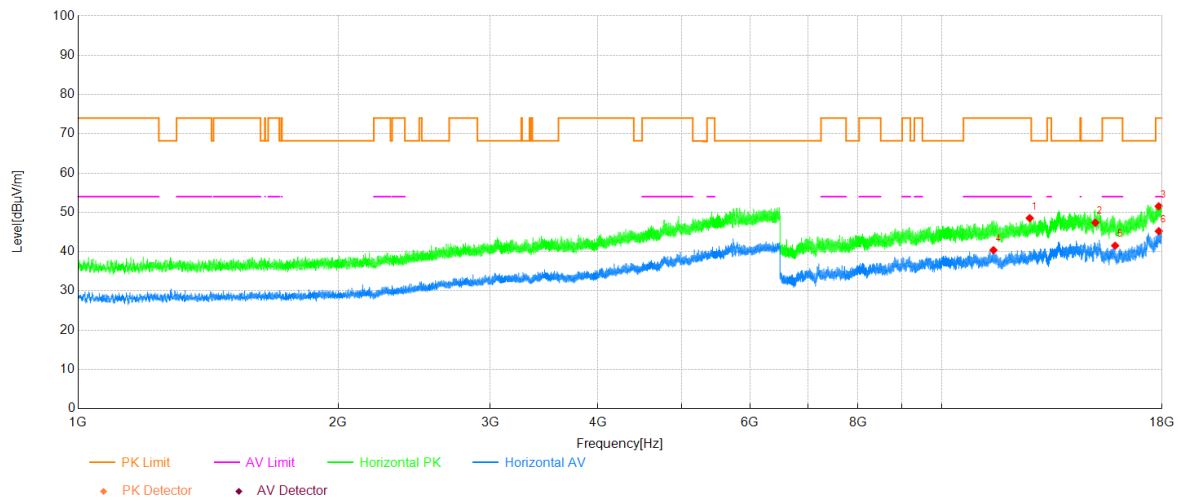
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	5704.66	37.59	17.19	54.78	-	-	Horizontal	NA
2	12868.91	42.26	5.63	47.89	68.20	20.31	Horizontal	PASS
3	15085.04	41.29	9.08	50.37	68.20	17.83	Horizontal	PASS
4	17849.34	39.64	13.96	53.60	74.00	20.40	Horizontal	PASS
5	5701.09	29.30	17.18	46.48	-	-	Horizontal	NA
6	12657.31	33.81	6.15	39.96	54.00	14.04	Horizontal	PASS
7	15893.13	33.15	7.98	41.13	54.00	12.87	Horizontal	PASS
8	17973.93	31.52	13.42	44.94	54.00	9.06	Horizontal	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-2C
Bandwidth	20MHz	Channel	140
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

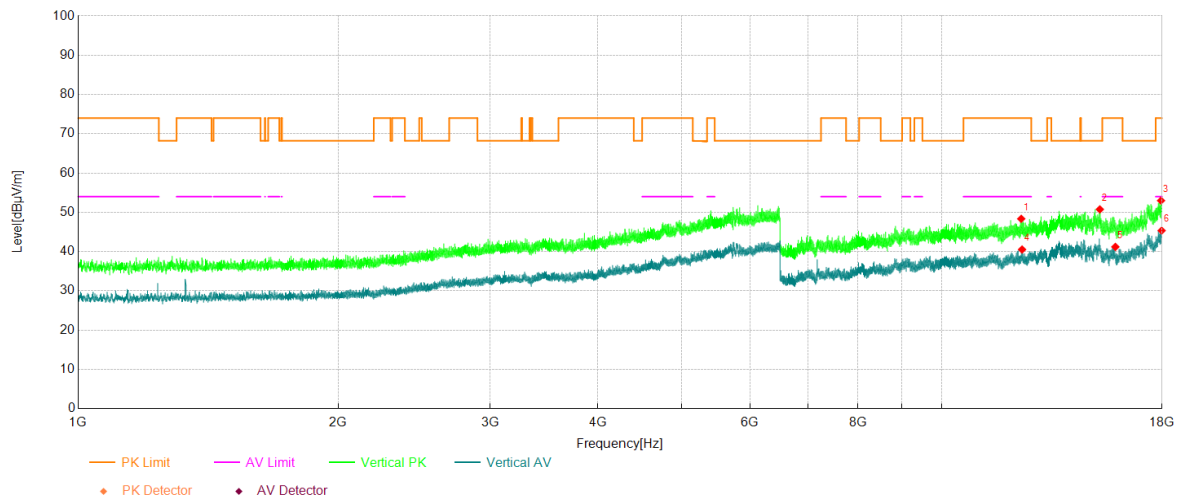
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	5701.09	34.82	17.18	52.00	-	-	Vertical	NA
2	11533.33	42.88	4.87	47.75	74.00	26.25	Vertical	PASS
3	15247.96	40.58	9.88	50.46	68.20	17.74	Vertical	PASS
4	17835.54	39.59	13.37	52.96	74.00	21.04	Vertical	PASS
5	5704.39	26.74	17.19	43.93	-	-	Vertical	NA
6	12661.91	34.13	6.12	40.25	54.00	13.75	Vertical	PASS
7	16102.05	32.97	7.77	40.74	54.00	13.26	Vertical	PASS
8	17865.45	32.51	13.79	46.30	54.00	7.70	Vertical	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-3
Bandwidth	20MHz	Channel	149
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	12647.72	42.39	6.13	48.52	74.00	25.48	Horizontal	PASS
2	15068.17	38.21	9.15	47.36	68.20	17.54	Horizontal	PASS
3	17838.99	38.01	13.52	51.53	74.00	21.60	Horizontal	PASS
4	11483.88	35.47	4.90	40.37	54.00	13.63	Horizontal	PASS
5	15883.16	33.49	8.02	41.51	54.00	12.49	Horizontal	PASS
6	17846.66	31.36	13.84	45.20	54.00	8.80	Horizontal	PASS

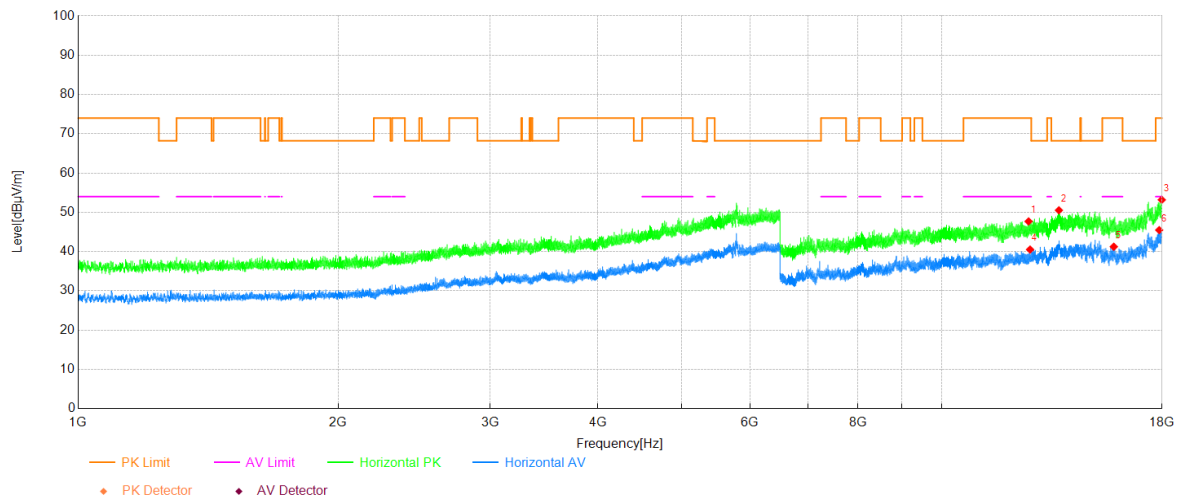
Project Information			
Mode:	802.11a	Band:	U-UNII-3
Bandwidth	20MHz	Channel	149
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	12365.20	42.81	5.54	48.35	74.00	25.65	Vertical	PASS
2	15249.49	40.82	9.93	50.75	68.20	17.45	Vertical	PASS
3	17951.70	39.88	13.10	52.98	74.00	21.02	Vertical	PASS
4	12392.41	34.43	6.10	40.53	54.00	13.47	Vertical	PASS
5	15895.81	33.23	7.97	41.20	54.00	12.80	Vertical	PASS
6	17981.22	31.84	13.51	45.35	54.00	8.65	Vertical	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-3
Bandwidth	20MHz	Channel	157
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

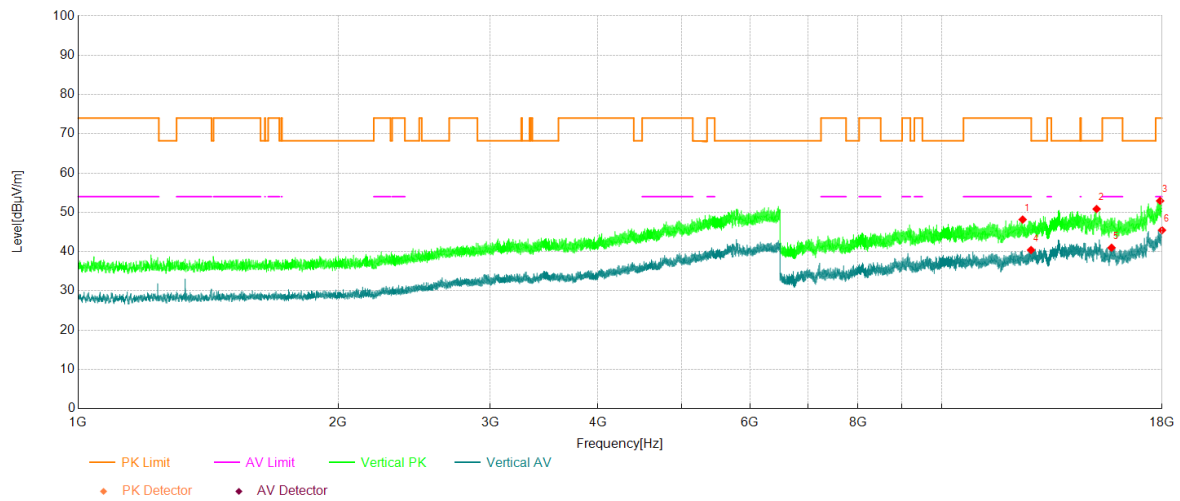
Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	12609.77	42.41	5.28	47.69	74.00	26.31	Horizontal	PASS
2	13672.41	41.30	9.22	50.52	68.20	17.68	Horizontal	PASS
3	17986.97	39.58	13.60	53.18	74.00	20.82	Horizontal	PASS
4	12659.99	34.38	6.13	40.51	54.00	13.49	Horizontal	PASS
5	15826.43	33.34	7.90	41.24	54.00	12.76	Horizontal	PASS
6	17864.30	31.66	13.81	45.47	54.00	8.53	Horizontal	PASS

Project Information			
Mode:	802.11a	Band:	U-UNII-3
Bandwidth	20MHz	Channel	157
IMEI:	863547050056742	Engineer:	Shen Zhuang
Remark:	Polarity: Y ANT:A		

Test Graph**Data List**

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	12411.96	42.13	6.02	48.15	74.00	25.85	Vertical	PASS
2	15119.54	42.33	8.51	50.84	68.20	17.36	Vertical	PASS
3	17909.53	39.63	13.29	52.92	74.00	21.08	Vertical	PASS
4	12692.96	34.44	5.96	40.40	54.00	13.60	Vertical	PASS
5	15732.51	33.18	7.80	40.98	54.00	13.02	Vertical	PASS
6	17996.93	31.70	13.75	45.45	54.00	8.55	Vertical	PASS