

TEST REPORT

Product : NAVIGATION MULTIMEDIA RECEIVER
Trade mark : Stinger
Model/Type reference : iE268, iE268-C, iE268-SR, iE268E
Serial Number : N/A
Report Number : EED32Q81282704
FCC ID : XBD-IE268
Date of Issue : Oct. 18, 2024
Test Standards : 47 CFR Part 15 Subpart E
Test result : PASS

Prepared for:

AAMP of Florida, Inc. dba AAMP Global
15500 Lightwave Drive, Suite 202 Clearwater, FL 33760

Prepared by:

Centre Testing International Group Co., Ltd.
Hongwei Industrial Zone, Bao'an 70 District,
Shenzhen, Guangdong, China
TEL: +86-755-3368 3668
FAX: +86-755-3368 3385

Compiled by:

Keven Tan.

Keven Tan

Reviewed by:

Frazer Li

Frazer Li

Approved by:

Aaron Ma

Aaron Ma

Date:

Oct. 18, 2024



Check No.: 5412220824

1 Content

1 CONTENT	2
2 VERSION	3
3 TEST SUMMARY	4
4 GENERAL INFORMATION	5
4.1 CLIENT INFORMATION	5
4.2 GENERAL DESCRIPTION OF EUT	5
4.3 TEST CONFIGURATION	7
4.4 TEST ENVIRONMENT	7
4.5 DESCRIPTION OF SUPPORT UNITS	8
4.6 TEST LOCATION	8
4.7 DEVIATION FROM STANDARDS	8
4.8 ABNORMALITIES FROM STANDARD CONDITIONS	8
4.9 OTHER INFORMATION REQUESTED BY THE CUSTOMER	8
4.10 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2)	8
5 EQUIPMENT LIST	9
6 RADIO TECHNICAL REQUIREMENTS SPECIFICATION	12
6.1 ANTENNA REQUIREMENT	12
6.2 MAXIMUM CONDUCTED OUTPUT POWER	13
6.3 6dB EMISSION BANDWIDTH	14
6.4 26dB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH	15
6.5 MAXIMUM POWER SPECTRAL DENSITY	16
6.6 FREQUENCY STABILITY	17
6.7 RADIATED EMISSION	18
6.8 RADIATED EMISSION WHICH FALL IN THE RESTRICTED BANDS	29
7 APPENDIX 5G WI-FI	66
PHOTOGRAPHS OF TEST SETUP	67
PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS	69

2 Version

Version No.	Date	Description
00	Oct. 18, 2024	Original

3 Test Summary

Test Item	Test Requirement	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart E Section 15.407 (b)(6)	N/A
Duty Cycle	47 CFR Part 15 Subpart E Section 15.407	PASS
Maximum Conducted Output Power	47 CFR Part 15 Subpart E Section 15.407 (a)	PASS
26dB emission bandwidth	47 CFR Part 15 Subpart E Section 15.407 (a)	PASS
99% Occupied bandwidth	\	PASS
6dB emission bandwidth	47 CFR Part 15 Subpart E Section 15.407 (e)	PASS
Maximum Power Spectral Density	47 CFR Part 15 Subpart E Section 15.407 (a)	PASS
Frequency stability	47 CFR Part 15 Subpart E Section 15.407 (g)	PASS
Radiated Emissions	47 CFR Part 15 Subpart E Section 15.407 (b)	PASS
Radiated Emissions which fall in the restricted bands	47 CFR Part 15 Subpart E Section 15.407 (b)	PASS

Remark:

N/A: This item is not applicable.

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

Model No.: iE268, iE268-C, iE268-SR, iE268E

Only the model iE268 was tested. They have same electrical circuit design. Only the model names are different for marketing requirements.

4 General Information

4.1 Client Information

Applicant:	AAMP of Florida, Inc. dba AAMP Global
Address of Applicant:	15500 Lightwave Drive, Suite 202 Clearwater, FL 33760
Manufacturer:	Skypine Electronics (ShenZhen)Co., Ltd.
Address of Manufacturer:	3rd Floor of Building B, Jingang Technology Park, Qiaotou Village, Fuhai Sub-District, Baoan, Shenzhen, China
Factory :	Unistrong Intelligence Manufacturing (Henan) Technology Co., Ltd.
Address of Factory :	Building No.33, Building No.31, Zone A, Intelligent Terminal (Mobile Phone) Industrial Park, Intersection of Hua Xia Avenue and Renmin Road, Zhengzhou Airport Economy Zone Zhengzhou City, Henan Province, P. R. China Post Code: 451163

4.2 General Description of EUT

Product Name:	NAVIGATION MULTIMEDIA RECEIVER
Model No.:	iE268, iE268-C, iE268-SR, iE268E
Test Model No.:	iE268
Trade mark:	Stinger
Product Type:	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input checked="" type="checkbox"/> Fixed Location
Type of Modulation:	IEEE 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE 802.11n(HT20/HT40): OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE 802.11ac(VHT20/VHT40/VHT80): OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Operating Frequency	U-NII-1: 5150-5250MHz U-NII-3: 5745-5825MHz
Antenna Type:	PCB Antenna
Antenna Gain:	U-NII-1: -8.38 dBi U-NII-3: -2.75 dBi
Power Supply:	DC 12V
Test voltage:	DC 12V
Sample Received Date:	Sep. 06, 2024
Sample tested Date:	Sep. 06, 2024 to Sep. 26, 2024

Operation Frequency each of channel

802.11a/802.11n/802.11ac (20MHz) Frequency/Channel Operations:

U-NII-1		U-NII-3	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	149	5745
40	5200	153	5765
44	5220	157	5785
48	5240	161	5805
-	-	165	5825

802.11n/802.11ac (40MHz) Frequency/Channel Operations:

U-NII-1		U-NII-3	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
38	5190	151	5755
46	5230	159	5795

802.11ac (80MHz) Frequency/Channel Operations:

U-NII-1		U-NII-3	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
42	5210	155	5775

Note:

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:

4.3 Test Configuration

EUT Test Software Settings:	
Software:	MobaXterm_Personal_22.1.exe
EUT Power Grade:	Default
Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.	
Test Mode:	
We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:	
Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.	
Mode	Data rate
802.11a	6 Mbps
802.11n(HT20)	MCS0
802.11n(HT40)	MCS0
802.11ac(VHT20)	MCS0
802.11ac(VHT40)	MCS0
802.11ac(VHT80)	MCS0

4.4 Test Environment

Operating Environment:		
Radiated Spurious Emissions:		
Temperature:	22~25.0 °C	
Humidity:	50~55 % RH	
Atmospheric Pressure:	1010mbar	
Conducted Emissions:		
Temperature:	22~25.0 °C	
Humidity:	50~55 % RH	
Atmospheric Pressure:	1010mbar	
RF Conducted:		
Humidity:	50~55 % RH	
Atmospheric Pressure:	1010mbar	
Temperature:	NT (Normal Temperature)	22~25.0 °C
	LT (Low Temperature)	0 °C
	HT (High Temperature)	55.0 °C
Working Voltage of the EUT:	NV (Normal Voltage)	12.0V
	LV (Low Voltage)	10.8V
	HV (High Voltage)	13.2V

4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Netbook	Asus	FL8700JP1065-0D8GXYQ2X10	FCC&CE	CTI

4.6 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

4.7 Deviation from Standards

None.

4.8 Abnormalities from Standard Conditions

None.

4.9 Other Information Requested by the Customer

None.

4.10 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 ⁻⁸
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	3.3dB (9kHz-30MHz)
		4.5dB (30MHz-1GHz)
		4.8dB (1GHz-18GHz)
		3.4dB (18GHz-40GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

5 Equipment List

RF test system					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Spectrum Analyzer	Keysight	N9010A	MY54510339	12-14-2023	12-13-2024
Signal Generator	Keysight	N5182B	MY53051549	12-11-2023	12-10-2024
DC Power	Keysight	E3642A	MY56376072	12-11-2023	12-10-2024
Communication test set	R&S	CMW500	169004	03-08-2024	03-07-2025
RF control unit(power unit)	JS Tonscend	JS0806-2	22G8060592	07-22-2024	07-21-2025
Wi-Fi 7GHz Band Extender	JS Tonscend	TS-WF7U2	2206200002	05-31-2024	05-30-2025
High-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	12-11-2023	12-10-2024
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05-29-2024	05-28-2025
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3	V3.3.20	---	---
Spectrum Analyzer	R&S	FSV3044	101509	01-17-2024	01-16-2025

3M Semi-anechoic Chamber (2)- Radiated disturbance Test					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
				(mm-dd-yyyy)	(mm-dd-yyyy)
3M Chamber & Accessory Equipment	TDK	SAC-3	---	05/22/2022	05/21/2025
Receiver	R&S	ESC17	100938-003	09/22/2023 09/07/2024	09/21/2024 09/06/2025
Spectrum Analyzer	R&S	FSV40	101200	07/18/2024	07/17/2025
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2025
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/16/2024	04/15/2025
Microwave Preamplifier	Tonscend	EMC051845SE	980380	12/14/2023	12/13/2024
Horn Antenna	A.H.SYSTEMS	SAS-574	374	07/02/2023	07/01/2026
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/16/2024	04/15/2025
Preamplifier	Agilent	11909A	12-1	03/22/2024	03/21/2025
Preamplifier	CD	PAP-1840-60	6041.6042	06/19/2024	06/18/2025
Test software	Fara	EZ-EMC	EMEC-3A1-Pre	---	---
Cable line	Fulai(7M)	SF106	5219/6A	---	---
Cable line	Fulai(6M)	SF106	5220/6A	---	---
Cable line	Fulai(3M)	SF106	5216/6A	---	---
Cable line	Fulai(3M)	SF106	5217/6A	---	---

3M full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2024	01-08-2027
Receiver	Keysight	N9038A	MY57290136	01-09-2024	01-08-2025
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-29-2024	01-28-2025
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-23-2024	01-22-2025
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2024	04-27-2025
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-16-2024	04-15-2025
Horn Antenna	ETS-LINDGREN	3117	57407	07-03-2024	07-02-2025
Preamplifier	EMCI	EMC001330	980563	03-08-2024	03-07-2025
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-18-2024	07-17-2025
Preamplifier	Tonscend	EMC051845SE	980380	12-14-2023	12-13-2024
Communication test set	R&S	CMW500	102898	12-14-2023	12-13-2024
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-07-2024	04-06-2025
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	---	---
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	---	---
Cable line	Times	EMC104-NMNM-1000	SN160710	---	---
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	---	---
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	---	---
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	---	---
Cable line	Times	HF160-KMKM-3.00M	393493-0001	---	---

6 Radio Technical Requirements Specification

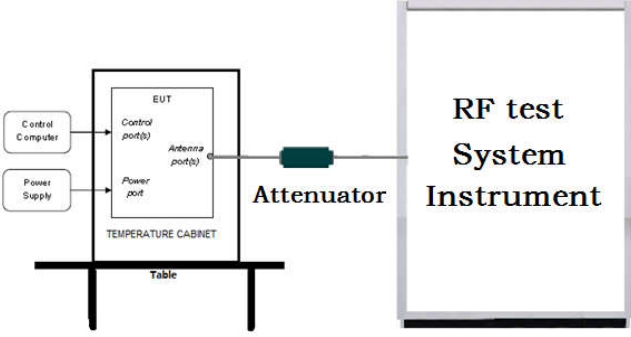
6.1 Antenna Requirement

Standard requirement:	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.	
EUT Antenna:	Please see Internal photos
The antenna is PCB antenna. The best case gain of the U-NII-1 is -8.38dBi, of the U-NII-3 is -2.76dBi.	

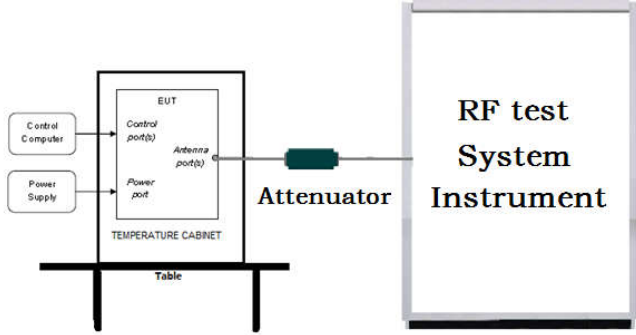
6.2 Maximum Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.407 (a)													
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E													
Test Setup:														
Test Procedure:	<ol style="list-style-type: none"> 1. The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E, 3, a 2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Measure the conducted output power and record the results in the test report. 													
Limit:	<table border="1"> <thead> <tr> <th>Frequency band (MHz)</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td rowspan="2">5150-5250</td> <td>≤1W(30dBm) for master device</td> </tr> <tr> <td>≤250mW(24dBm) for client device</td> </tr> <tr> <td>5250-5350</td> <td>≤250mW(24dBm) for client device or 11dBm+10logB*</td> </tr> <tr> <td>5470-5725</td> <td>≤250mW(24dBm) for client device or 11dBm+10logB*</td> </tr> <tr> <td>5725-5850</td> <td>≤1W(30dBm)</td> </tr> <tr> <td>Remark:</td> <td>* Where B is the 26dB emission bandwidth in MHz The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.</td> </tr> </tbody> </table>	Frequency band (MHz)	Limit	5150-5250	≤1W(30dBm) for master device	≤250mW(24dBm) for client device	5250-5350	≤250mW(24dBm) for client device or 11dBm+10logB*	5470-5725	≤250mW(24dBm) for client device or 11dBm+10logB*	5725-5850	≤1W(30dBm)	Remark:	* Where B is the 26dB emission bandwidth in MHz The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.
Frequency band (MHz)	Limit													
5150-5250	≤1W(30dBm) for master device													
	≤250mW(24dBm) for client device													
5250-5350	≤250mW(24dBm) for client device or 11dBm+10logB*													
5470-5725	≤250mW(24dBm) for client device or 11dBm+10logB*													
5725-5850	≤1W(30dBm)													
Remark:	* Where B is the 26dB emission bandwidth in MHz The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.													
Test Mode:	Transmitting mode with modulation													
Test Results:	Refer to Appendix 5G Wi-Fi													

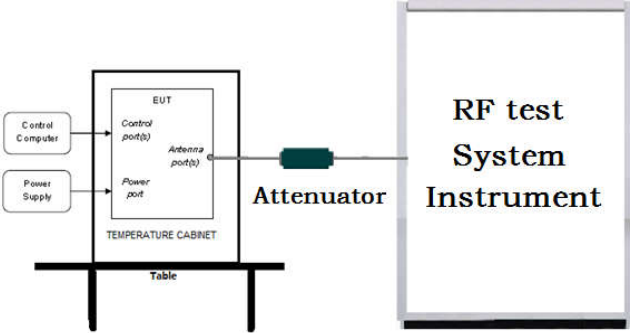
6.3 6dB Emission Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.407 (e)
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C
Test Setup:	 <p>Remark: Offset=Cable loss+ attenuation factor.</p>
Test Procedure:	<ol style="list-style-type: none"> 1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. 4. Measure and record the results in the test report.
Limit:	≥ 500 kHz
Test Mode:	Transmitting mode with modulation
Test Results:	Refer to Appendix 5G Wi-Fi

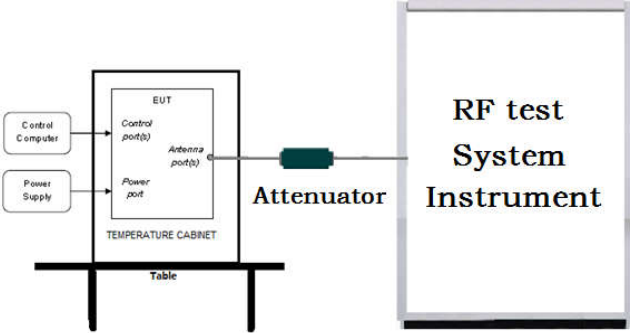
6.4 26dB Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.407 (a)
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D
Test Setup:	 <p>Remark: Offset=Cable loss+ attenuation factor.</p>
Test Procedure:	<ol style="list-style-type: none"> 1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. 4. Measure and record the results in the test report.
Limit:	No restriction limits
Test Mode:	Transmitting mode with modulation
Test Results:	Refer to Appendix 5G Wi-Fi

6.5 Maximum Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.407 (a)													
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F													
Test Setup:	 <p>Remark: Offset=Cable loss+ attenuation factor.</p>													
Test Procedure:	<ol style="list-style-type: none"> 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. Allow the sweeps to continue until the trace stabilizes. Use the peak marker function to determine the maximum amplitude level. 													
Limit:	<table border="1"> <thead> <tr> <th>Frequency band (MHz)</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td rowspan="2">5150-5250</td> <td>≤17dBm in 1MHz for master device</td> </tr> <tr> <td>≤11dBm in 1MHz for client device</td> </tr> <tr> <td>5250-5350</td> <td>≤11dBm in 1MHz for client device</td> </tr> <tr> <td>5470-5725</td> <td>≤11dBm in 1MHz for client device</td> </tr> <tr> <td>5725-5850</td> <td>≤30dBm in 500kHz</td> </tr> <tr> <td>Remark:</td> <td>The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.</td> </tr> </tbody> </table>	Frequency band (MHz)	Limit	5150-5250	≤17dBm in 1MHz for master device	≤11dBm in 1MHz for client device	5250-5350	≤11dBm in 1MHz for client device	5470-5725	≤11dBm in 1MHz for client device	5725-5850	≤30dBm in 500kHz	Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.
Frequency band (MHz)	Limit													
5150-5250	≤17dBm in 1MHz for master device													
	≤11dBm in 1MHz for client device													
5250-5350	≤11dBm in 1MHz for client device													
5470-5725	≤11dBm in 1MHz for client device													
5725-5850	≤30dBm in 500kHz													
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.													
Test Mode:	Transmitting mode with modulation													
Test Results:	Refer to Appendix 5G Wi-Fi													

6.6 Frequency Stability

Test Requirement:	47 CFR Part 15C Section 15.407 (g)
Test Method:	ANSI C63.10: 2013
Test Setup:	 <p>Remark: Offset=Cable loss+ attenuation factor.</p>
Test Procedure:	<ol style="list-style-type: none"> 1.The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. 2. Turn the EUT on and couple its output to a spectrum analyzer. 3. Turn the EUT off and set the chamber to the highest temperature specified. d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. 4. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature. 5. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 45 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.
Test Mode:	Transmitting mode with modulation
Test Results:	Refer to Appendix 5G Wi-Fi

6.7 Radiated Emission

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.407 (b)				
Test Method:	ANSI C63.10 2013				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
Peak		1MHz	10kHz	Average	
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/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	54.0	Average	3
<p>*(1) 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.</p> <p>(2) 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.</p> <p>(3) 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.</p> <p>(4) For transmitters operating in the 5.725-5.85 GHz band:</p> <p>(i) 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.</p> <p>Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing</p>					

an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

Note:

(j) $EIRP = ((E*d)^2) / 30$
 where:

- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotropically radiated power in watts.

(ii) Working in dB units, the above equation is equivalent to:
 $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$

(iii) Or, if d is 3 meters:
 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

Test Setup:

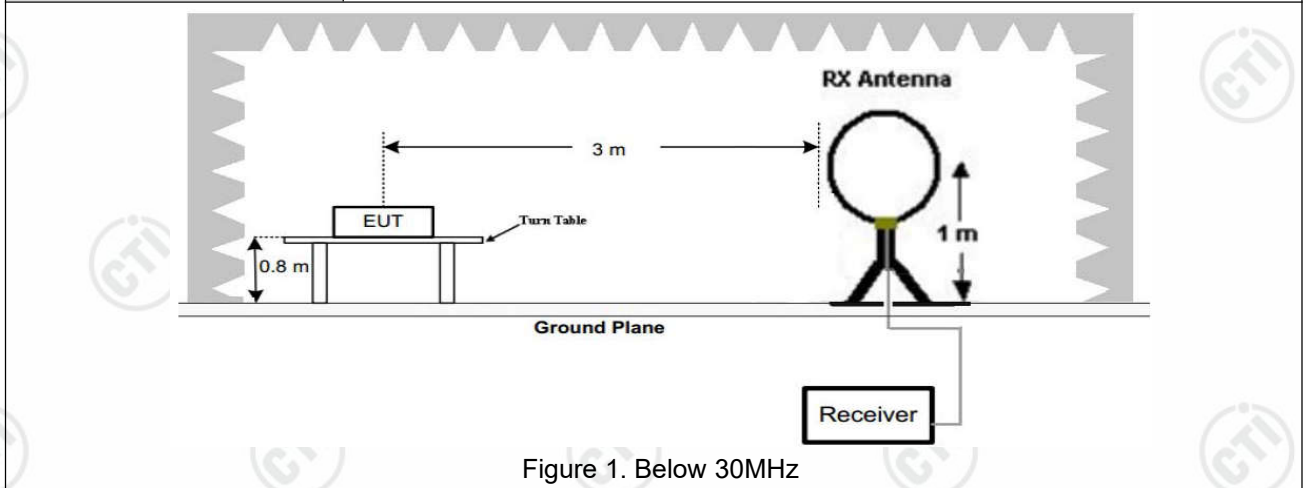


Figure 1. Below 30MHz

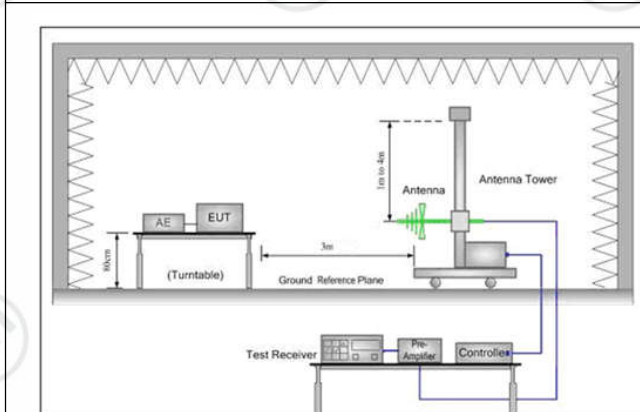


Figure 2. 30MHz to 1GHz

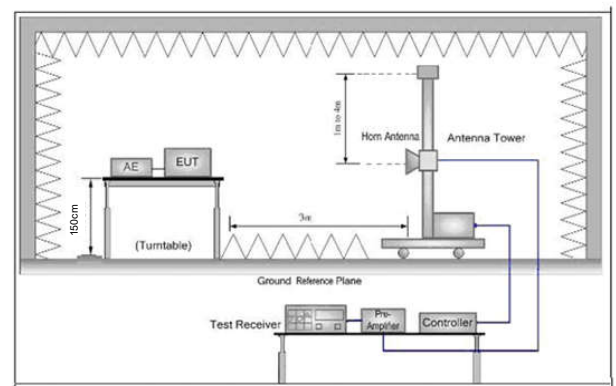


Figure 3. Above 1 GHz

Test Procedure:

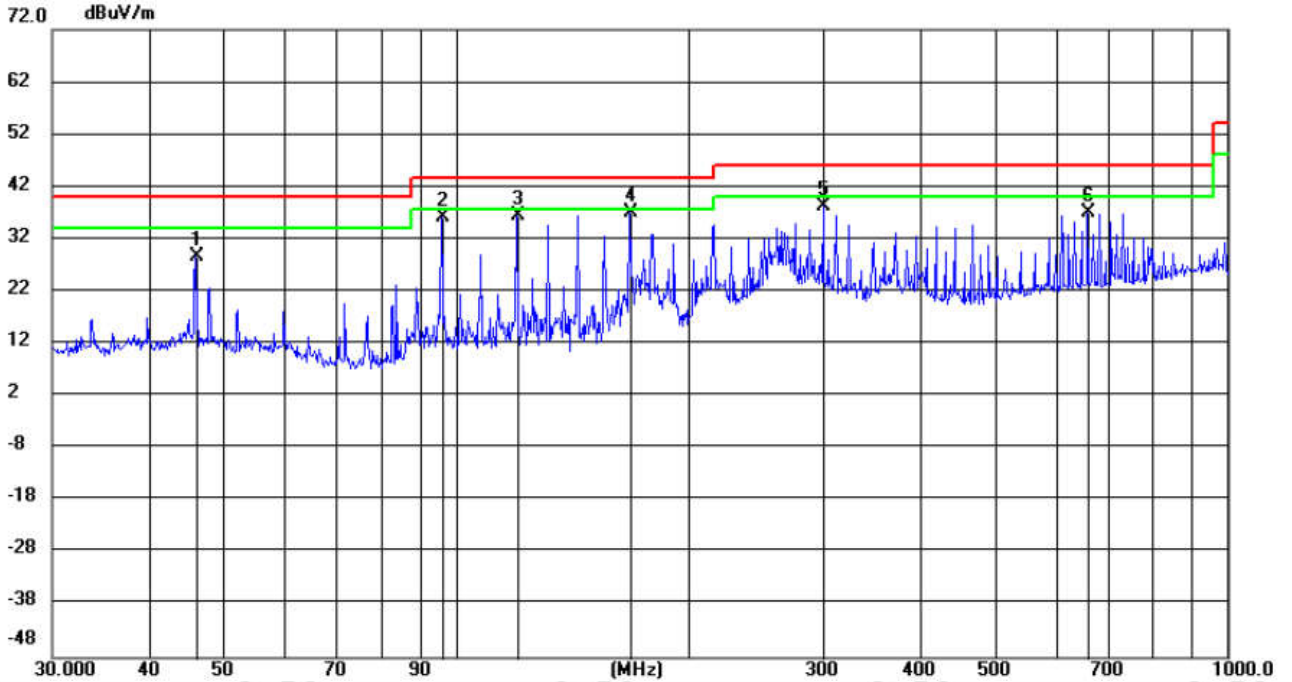
- 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- Note: For the radiated emission test above 1GHz:

	<p>Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.</p> <ul style="list-style-type: none"> b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. g. Test the EUT in the lowest channel, the middle channel and the highest channel h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. i. Repeat above procedures until all frequencies measured was complete.
Test Mode:	Transmitting mode with modulation
Test Results:	Pass

Radiated Spurious Emissions test Data: Radiated Emission below 1GHz

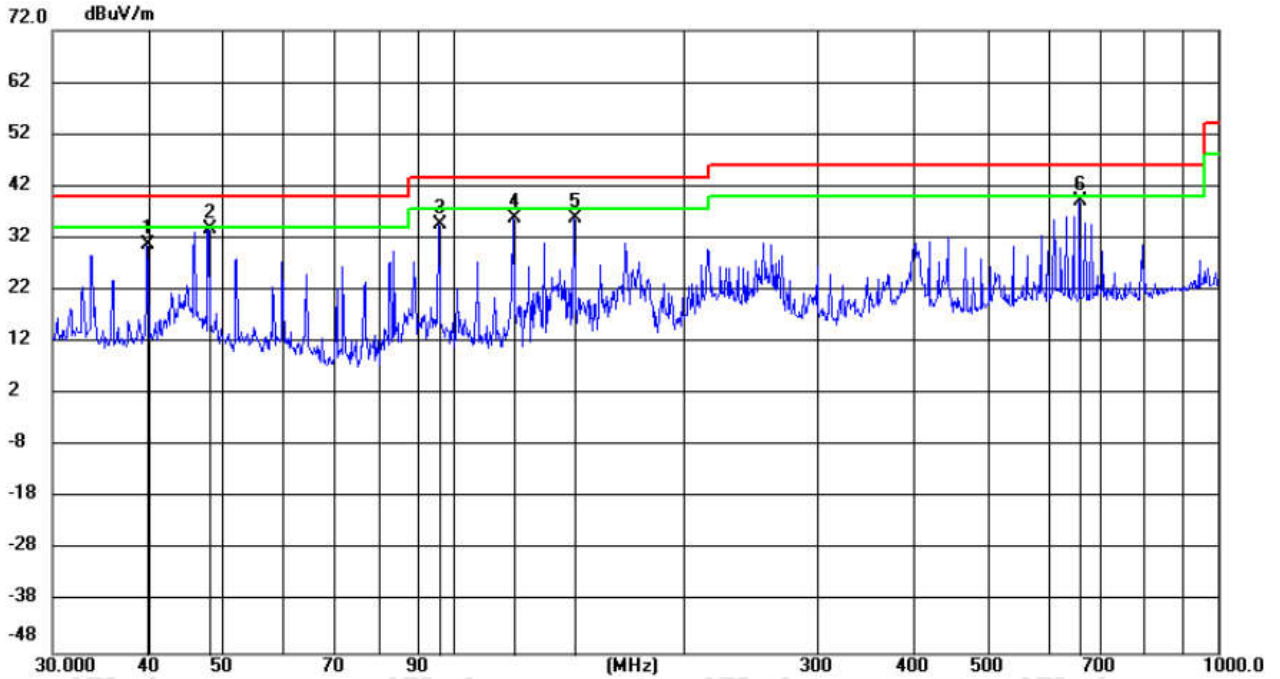
Remark: During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case lowest channel of 6Mbps for 802.11 a was recorded in the report.

Horizontal:
Test Graph



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	46.0809	14.99	13.58	28.57	40.00	-11.43	QP	100	259	
2	95.9975	23.46	12.57	36.03	43.50	-7.47	QP	100	20	
3	120.0027	24.84	11.66	36.50	43.50	-7.00	QP	100	20	
4 *	168.0008	25.96	10.99	36.95	43.50	-6.55	QP	100	166	
5	299.9988	22.18	16.15	38.33	46.00	-7.67	QP	100	20	
6	660.1079	14.36	22.70	37.06	46.00	-8.94	QP	100	62	

Vertical:
Test Graph



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		39.9312	17.43	13.19	30.62	40.00	-9.38	100	49	
2	*	48.0024	20.84	13.04	33.88	40.00	-6.12	100	7	
3		95.9975	23.16	11.54	34.70	43.50	-8.80	100	38	
4		120.0028	25.34	10.50	35.84	43.50	-7.66	100	90	
5		144.0062	27.83	7.90	35.73	43.50	-7.77	100	49	
6		660.1080	19.28	19.90	39.18	46.00	-6.82	100	111	

Transmitter Emission above 1GHz

Remark: Through Pre-scan, for 20MHz Occupied Bandwidth, 802.11 a mode was the worst case; for 40MHz Occupied Bandwidth, 802.11 n(HT40) mode was the worst case; for 80MHz Occupied Bandwidth, 802.11ac(VHT80) mode was the worst case,only the worst case was recorded in the report.

Mode:			802.11 a Transmitting			Channel:		5180MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1014.3014	6.85	37.41	44.26	68.20	23.94	PASS	Horizontal	PK
2	1923.5424	11.83	36.29	48.12	68.20	20.08	PASS	Horizontal	PK
3	2712.3212	12.25	36.20	48.45	68.20	19.75	PASS	Horizontal	PK
4	3563.2563	14.90	35.59	50.49	68.20	17.71	PASS	Horizontal	PK
5	8559.753	-0.65	47.05	46.40	68.20	21.80	PASS	Horizontal	PK
6	10980.624	6.00	45.24	51.24	68.20	16.96	PASS	Horizontal	PK
7	14458.3979	11.14	41.58	52.72	68.20	15.48	PASS	Horizontal	PK
8	1491.7492	8.02	36.84	44.86	68.20	23.34	PASS	Vertical	PK
9	2438.9439	12.00	36.41	48.41	68.20	19.79	PASS	Vertical	PK
10	3296.4796	14.36	36.20	50.56	68.20	17.64	PASS	Vertical	PK
11	3800.8801	16.48	33.84	50.32	68.20	17.88	PASS	Vertical	PK
12	8555.7278	-0.62	46.45	45.83	68.20	22.37	PASS	Vertical	PK
13	10992.6996	6.53	44.91	51.44	68.20	16.76	PASS	Vertical	PK

Mode:			802.11 a Transmitting			Channel:		5200MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1601.2101	8.79	36.54	45.33	68.20	22.87	PASS	Horizontal	PK
2	2193.6194	10.16	38.38	48.54	68.20	19.66	PASS	Horizontal	PK
3	3342.1342	14.64	35.65	50.29	68.20	17.91	PASS	Horizontal	PK
4	8742.6121	0.20	46.27	46.47	68.20	21.73	PASS	Horizontal	PK
5	11984.6242	5.99	45.25	51.24	68.20	16.96	PASS	Horizontal	PK
6	16607.8554	10.90	42.86	53.76	68.20	14.44	PASS	Horizontal	PK
7	1694.7195	9.01	36.54	45.55	68.20	22.65	PASS	Vertical	PK
8	3064.9065	13.50	36.09	49.59	68.20	18.61	PASS	Vertical	PK
9	4295.9296	18.98	32.98	51.96	68.20	16.24	PASS	Vertical	PK
10	8302.7151	-1.50	46.47	44.97	68.20	23.23	PASS	Vertical	PK
11	11003.0502	6.78	44.87	51.65	68.20	16.55	PASS	Vertical	PK
12	15891.3696	10.37	44.14	54.51	68.20	13.69	PASS	Vertical	PK

Mode:			802.11 a Transmitting			Channel:		5240MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1951.5952	12.34	36.24	48.58	68.20	19.62	PASS	Horizontal	PK
2	3000	12.69	37.24	49.93	68.20	18.27	PASS	Horizontal	PK
3	4267.8768	18.30	34.08	52.38	68.20	15.82	PASS	Horizontal	PK
4	7907.0954	-1.83	47.42	45.59	68.20	22.61	PASS	Horizontal	PK
5	9278.5389	1.92	45.86	47.78	68.20	20.42	PASS	Horizontal	PK
6	13999.525	11.91	40.97	52.88	68.20	15.32	PASS	Horizontal	PK
7	1690.319	8.97	36.79	45.76	68.20	22.44	PASS	Vertical	PK
8	3293.1793	14.30	35.95	50.25	68.20	17.95	PASS	Vertical	PK
9	4399.3399	19.11	32.88	51.99	68.20	16.21	PASS	Vertical	PK
10	8989.2995	-0.06	46.37	46.31	68.20	21.89	PASS	Vertical	PK
11	11241.1121	6.43	45.12	51.55	68.20	16.65	PASS	Vertical	PK
12	15902.8701	10.47	43.20	53.67	68.20	14.53	PASS	Vertical	PK

Mode:			802.11 n(HT40) Transmitting			Channel:		5190MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1624.3124	8.66	36.36	45.02	68.20	23.18	PASS	Horizontal	PK
2	2435.0935	12.04	36.61	48.65	68.20	19.55	PASS	Horizontal	PK
3	3940.5941	17.64	34.38	52.02	68.20	16.18	PASS	Horizontal	PK
4	6893.8947	-4.38	48.44	44.06	68.20	24.14	PASS	Horizontal	PK
5	8770.2135	-0.39	47.97	47.58	68.20	20.62	PASS	Horizontal	PK
6	13254.2877	8.60	43.58	52.18	68.20	16.02	PASS	Horizontal	PK
7	1776.1276	9.54	36.62	46.16	68.20	22.04	PASS	Vertical	PK
8	3048.4048	13.25	36.56	49.81	68.20	18.39	PASS	Vertical	PK
9	3952.6953	17.76	33.91	51.67	68.20	16.53	PASS	Vertical	PK
10	8562.6281	-0.66	46.47	45.81	68.20	22.39	PASS	Vertical	PK
11	9793.7647	4.06	46.17	50.23	68.20	17.97	PASS	Vertical	PK
12	16600.955	11.34	42.30	53.64	68.20	14.56	PASS	Vertical	PK

Mode:			802.11 n(HT40) Transmitting			Channel:		5230MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1526.4026	8.08	37.08	45.16	68.20	23.04	PASS	Horizontal	PK
2	2656.2156	11.91	36.93	48.84	68.20	19.36	PASS	Horizontal	PK
3	4402.6403	18.97	33.27	52.24	68.20	15.96	PASS	Horizontal	PK
4	8297.5399	-1.47	46.81	45.34	68.20	22.86	PASS	Horizontal	PK
5	10598.8049	6.30	45.80	52.10	68.20	16.10	PASS	Horizontal	PK
6	13850.5925	11.02	43.16	54.18	68.20	14.02	PASS	Horizontal	PK
7	1434.5435	8.29	36.85	45.14	68.20	23.06	PASS	Vertical	PK
8	2288.7789	10.89	35.86	46.75	68.20	21.45	PASS	Vertical	PK
9	3405.3905	15.00	35.29	50.29	68.20	17.91	PASS	Vertical	PK
10	8420.021	-1.43	46.65	45.22	68.20	22.98	PASS	Vertical	PK
11	12982.2991	7.76	44.39	52.15	68.20	16.05	PASS	Vertical	PK
12	15891.3696	10.37	42.51	52.88	68.20	15.32	PASS	Vertical	PK

Mode:			802.11 ac(VHT80) Transmitting			Channel:		5210MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1466.4466	8.14	36.75	44.89	68.20	23.31	PASS	Horizontal	PK
2	2557.2057	12.35	35.97	48.32	68.20	19.88	PASS	Horizontal	PK
3	3547.3047	15.17	34.46	49.63	68.20	18.57	PASS	Horizontal	PK
4	8564.9282	-0.67	47.26	46.59	68.20	21.61	PASS	Horizontal	PK
5	13854.0427	10.81	42.31	53.12	68.20	15.08	PASS	Horizontal	PK
6	16591.7546	10.37	42.73	53.10	68.20	15.10	PASS	Horizontal	PK
7	1608.9109	8.74	36.66	45.40	68.20	22.80	PASS	Vertical	PK
8	3049.505	13.26	37.01	50.27	68.20	17.93	PASS	Vertical	PK
9	4104.5105	18.19	33.69	51.88	68.20	16.32	PASS	Vertical	PK
10	8340.667	-2.55	48.00	45.45	68.20	22.75	PASS	Vertical	PK
11	13843.6922	10.72	41.81	52.53	68.20	15.67	PASS	Vertical	PK
12	16600.955	11.34	41.37	52.71	68.20	15.49	PASS	Vertical	PK

Mode:			802.11 a Transmitting			Channel:		5745MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1135.8636	7.17	37.38	44.55	68.20	23.65	PASS	Horizontal	PK
2	1794.2794	9.65	39.16	48.81	68.20	19.39	PASS	Horizontal	PK
3	2552.2552	12.40	38.17	50.57	68.20	17.63	PASS	Horizontal	PK
4	3776.6777	15.77	35.85	51.62	68.20	16.58	PASS	Horizontal	PK
5	7589.506	-2.68	47.81	45.13	68.20	23.07	PASS	Horizontal	PK
6	12839.9893	7.77	43.63	51.40	68.20	16.80	PASS	Horizontal	PK
7	1394.3894	8.26	37.53	45.79	68.20	22.41	PASS	Vertical	PK
8	2552.8053	12.39	37.89	50.28	68.20	17.92	PASS	Vertical	PK
9	4097.9098	18.18	35.31	53.49	68.20	14.71	PASS	Vertical	PK
10	7598.7066	-2.32	47.04	44.72	68.20	23.48	PASS	Vertical	PK
11	10610.374	5.77	45.90	51.67	68.20	16.53	PASS	Vertical	PK
12	15896.1264	10.60	42.72	53.32	68.20	14.88	PASS	Vertical	PK

Mode:			802.11 a Transmitting			Channel:		5785MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1280.5187	6.95	36.85	43.80	68.20	24.40	PASS	Horizontal	PK
2	2097.8732	10.60	41.36	51.96	68.20	16.24	PASS	Horizontal	PK
3	3954.0636	17.38	33.10	50.48	68.20	17.72	PASS	Horizontal	PK
4	7184.679	-4.68	50.86	46.18	68.20	22.02	PASS	Horizontal	PK
5	10999.0999	6.81	43.71	50.52	68.20	17.68	PASS	Horizontal	PK
6	15886.9258	10.14	42.29	52.43	68.20	15.77	PASS	Horizontal	PK
7	1367.7912	7.99	36.97	44.96	68.20	23.24	PASS	Vertical	PK
8	2402.9602	12.30	36.06	48.36	68.20	19.84	PASS	Vertical	PK
9	4524.2683	20.34	32.39	52.73	68.20	15.47	PASS	Vertical	PK
10	7375.5917	-3.89	47.66	43.77	68.20	24.43	PASS	Vertical	PK
11	11004.467	6.75	43.34	50.09	68.20	18.11	PASS	Vertical	PK
12	15896.1264	10.60	41.33	51.93	68.20	16.27	PASS	Vertical	PK

Mode:			802.11 a Transmitting			Channel:		5825MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1285.4785	7.04	38.71	45.75	68.20	22.45	PASS	Horizontal	PK
2	2195.2695	10.09	42.12	52.21	68.20	15.99	PASS	Horizontal	PK
3	3789.3289	16.22	36.36	52.58	68.20	15.62	PASS	Horizontal	PK
4	7199.2466	-4.82	51.56	46.74	68.20	21.46	PASS	Horizontal	PK
5	10600.4067	6.34	44.81	51.15	68.20	17.05	PASS	Horizontal	PK
6	15250.55	11.62	41.58	53.20	68.20	15.00	PASS	Horizontal	PK
7	1221.1221	6.29	38.63	44.92	68.20	23.28	PASS	Vertical	PK
8	2196.9197	10.08	39.59	49.67	68.20	18.53	PASS	Vertical	PK
9	3962.0462	17.21	35.26	52.47	68.20	15.73	PASS	Vertical	PK
10	6991.4661	-4.83	48.61	43.78	68.20	24.42	PASS	Vertical	PK
11	10998.3332	6.78	45.53	52.31	68.20	15.89	PASS	Vertical	PK
12	15899.1933	10.75	42.45	53.20	68.20	15.00	PASS	Vertical	PK

Mode:			802.11 n(HT40) Transmitting			Channel:		5755MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1657.3157	8.66	37.29	45.95	68.20	22.25	PASS	Horizontal	PK
2	2387.7888	11.91	37.10	49.01	68.20	19.19	PASS	Horizontal	PK
3	3591.3091	14.41	36.85	51.26	68.20	16.94	PASS	Horizontal	PK
4	8143.8429	-2.01	47.14	45.13	68.20	23.07	PASS	Horizontal	PK
5	10600.4067	6.34	44.07	50.41	68.20	17.79	PASS	Horizontal	PK
6	15125.575	11.59	40.64	52.23	68.20	15.97	PASS	Horizontal	PK
7	1592.9593	8.61	37.37	45.98	68.20	22.22	PASS	Vertical	PK
8	2924.0924	13.35	37.98	51.33	68.20	16.87	PASS	Vertical	PK
9	4103.4103	18.23	34.26	52.49	68.20	15.71	PASS	Vertical	PK
10	8559.404	-0.64	46.86	46.22	68.20	21.98	PASS	Vertical	PK
11	13444.9297	10.41	41.72	52.13	68.20	16.07	PASS	Vertical	PK
12	16441.2628	9.14	43.87	53.01	68.20	15.19	PASS	Vertical	PK

Mode:			802.11 n(HT40) Transmitting			Channel:		5795MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1668.8669	8.78	38.35	47.13	68.20	21.07	PASS	Horizontal	PK
2	2224.9725	10.53	37.72	48.25	68.20	19.95	PASS	Horizontal	PK
3	3554.4554	15.28	37.22	52.50	68.20	15.70	PASS	Horizontal	PK
4	8525.6684	-0.97	48.26	47.29	68.20	20.91	PASS	Horizontal	PK
5	11975.1317	5.80	45.45	51.25	68.20	16.95	PASS	Horizontal	PK
6	16606.1071	11.01	42.64	53.65	68.20	14.55	PASS	Horizontal	PK
7	1426.8427	8.30	37.73	46.03	68.20	22.17	PASS	Vertical	PK
8	2267.3267	10.98	37.68	48.66	68.20	19.54	PASS	Vertical	PK
9	3362.4862	14.74	36.82	51.56	68.20	16.64	PASS	Vertical	PK
10	7380.192	-3.92	48.31	44.39	68.20	23.81	PASS	Vertical	PK
11	9298.5199	2.51	45.17	47.68	68.20	20.52	PASS	Vertical	PK
12	13442.6295	10.32	42.44	52.76	68.20	15.44	PASS	Vertical	PK

Mode:			802.11 ac(VHT80) Transmitting			Channel:		5775MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1477.9978	8.10	37.44	45.54	68.20	22.66	PASS	Horizontal	PK
2	2268.9769	10.97	37.01	47.98	68.20	20.22	PASS	Horizontal	PK
3	3356.9857	14.78	37.21	51.99	68.20	16.21	PASS	Horizontal	PK
4	4300.8801	19.17	34.22	53.39	68.20	14.81	PASS	Horizontal	PK
5	8752.6168	0.25	46.87	47.12	68.20	21.08	PASS	Horizontal	PK
6	15904.5603	10.28	43.29	53.57	68.20	14.63	PASS	Horizontal	PK
7	1579.2079	8.49	36.80	45.29	68.20	22.91	PASS	Vertical	PK
8	2383.9384	11.78	36.96	48.74	68.20	19.46	PASS	Vertical	PK
9	3341.5842	14.71	36.62	51.33	68.20	16.87	PASS	Vertical	PK
10	8626.8751	-0.83	47.23	46.40	68.20	21.80	PASS	Vertical	PK
11	10966.8978	5.40	46.35	51.75	68.20	16.45	PASS	Vertical	PK
12	15899.1933	10.75	43.32	54.07	68.20	14.13	PASS	Vertical	PK

Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Pre-amplifier Factor - Antenna Factor - Cable Factor

2) Scan from 9kHz to 40GHz, the disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

6.8 Radiated Emission which fall in the restricted bands

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.407 (b)				
Test Method:	ANSI C63.10 2013				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
Peak		1MHz	10kHz	Average	
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/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	54.0	Average	3
<p>*(1) 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.</p> <p>(2) 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.</p> <p>(3) 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.</p> <p>(4) For transmitters operating in the 5.725-5.85 GHz band:</p> <p>(i) 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.</p> <p>Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated</p>					

emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

Note:

(j) $EIRP = ((E \cdot d)^2) / 30$
 where:

- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotropically radiated power in watts.

(ii) Working in dB units, the above equation is equivalent to:
 $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$

(iii) Or, if d is 3 meters:
 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

Test Setup:

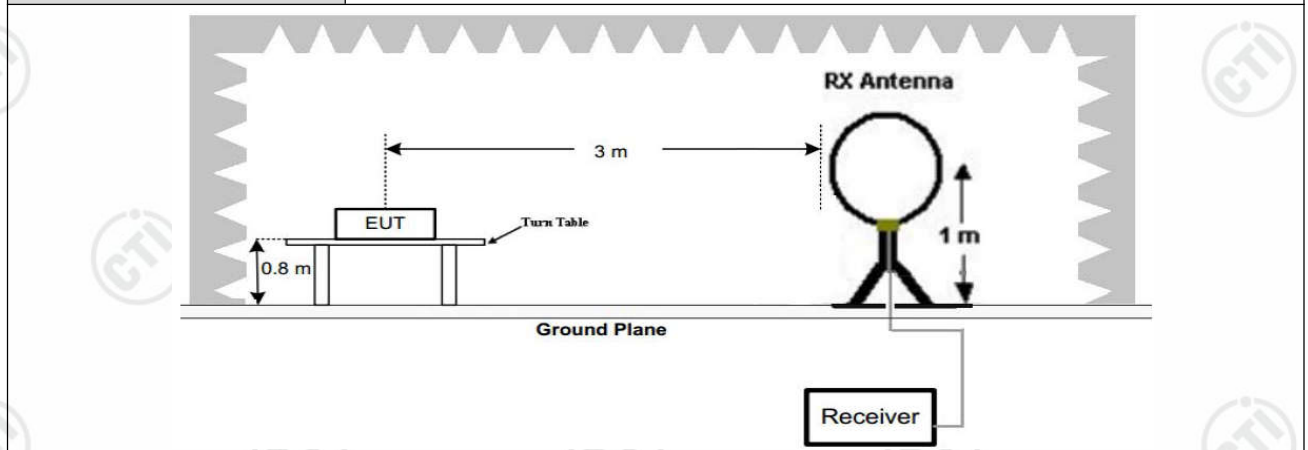


Figure 1. Below 30MHz

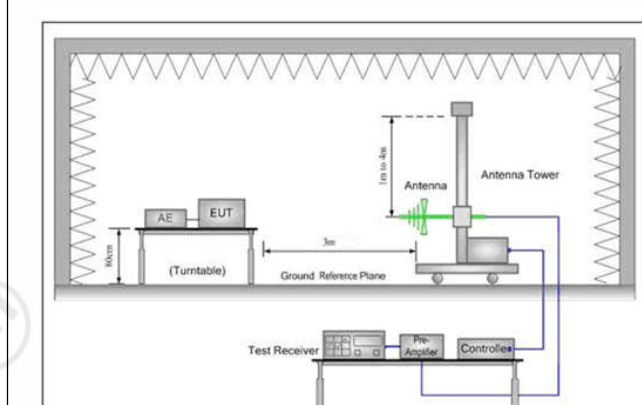


Figure 2. 30MHz to 1GHz

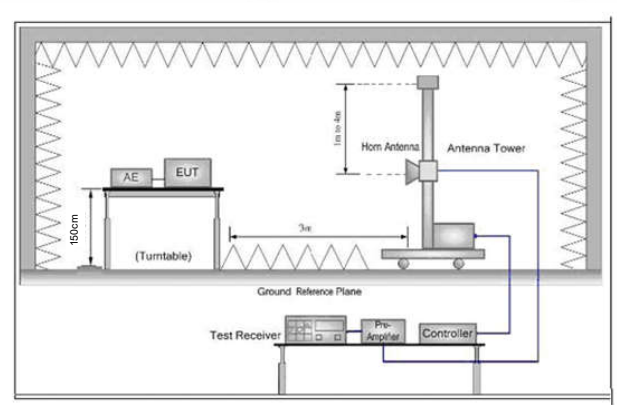


Figure 3. Above 1 GHz

Test Procedure:

j.

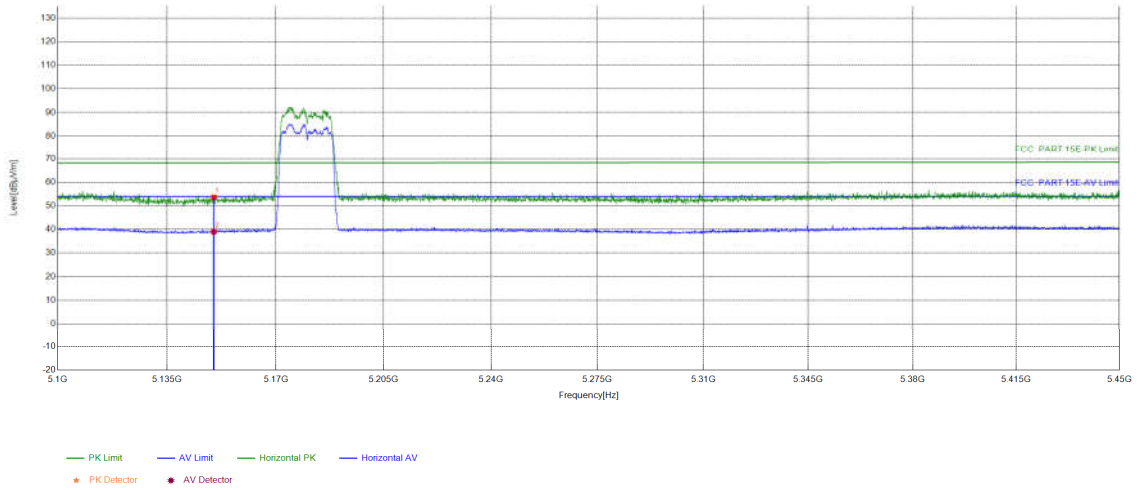
- 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

	<p>Note: For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.</p> <ul style="list-style-type: none"> k. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. l. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. m. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. n. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. o. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. p. Test the EUT in the lowest channel, the Highest channel q. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. r. Repeat above procedures until all frequencies measured was complete.
Test Mode:	Transmitting mode with modulation
Test Results:	Pass

Test Data:

Test_Mode	802.11 a Transmitting	Test_Frequency	5180MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

Test Graph

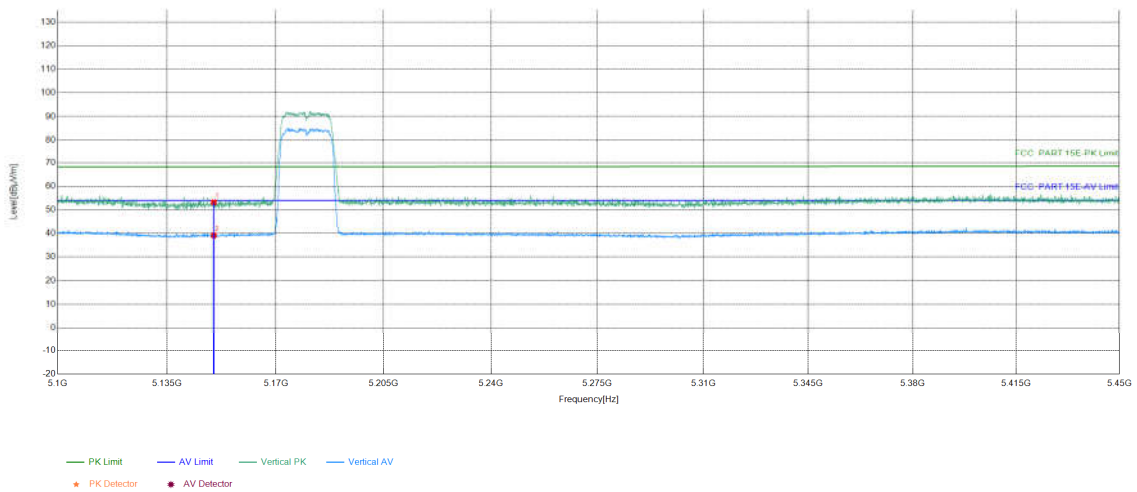


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	20.05	33.53	53.58	68.24	14.66	PASS	Horizontal	PK
2	5150	20.05	18.96	39.01	54.00	14.99	PASS	Horizontal	AV

Test_Mode	802.11 a Transmitting	Test_Frequency	5180MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

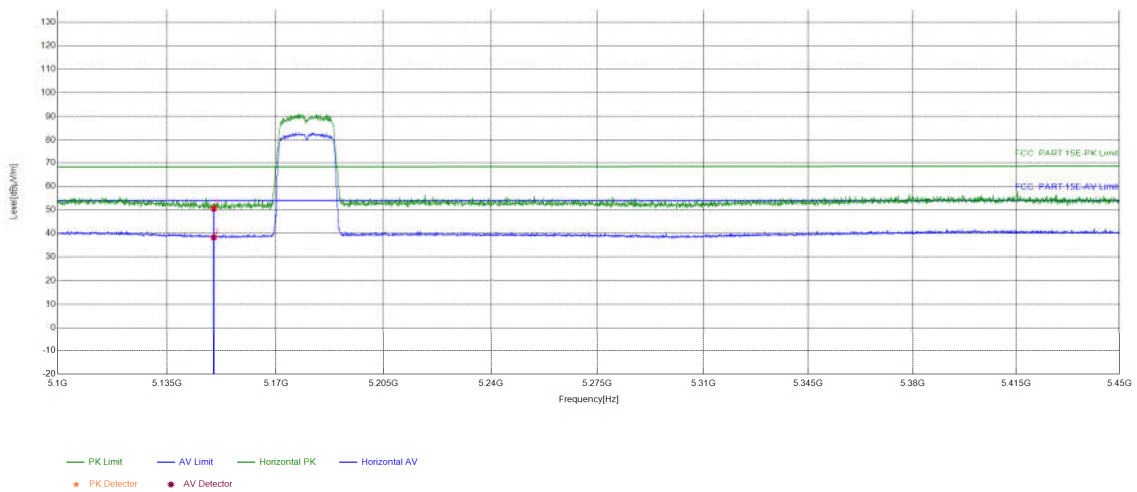
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	20.05	33.17	53.22	68.24	15.02	PASS	Vertical	PK
2	5150	20.05	19.11	39.16	54.00	14.84	PASS	Vertical	AV

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

Test Graph

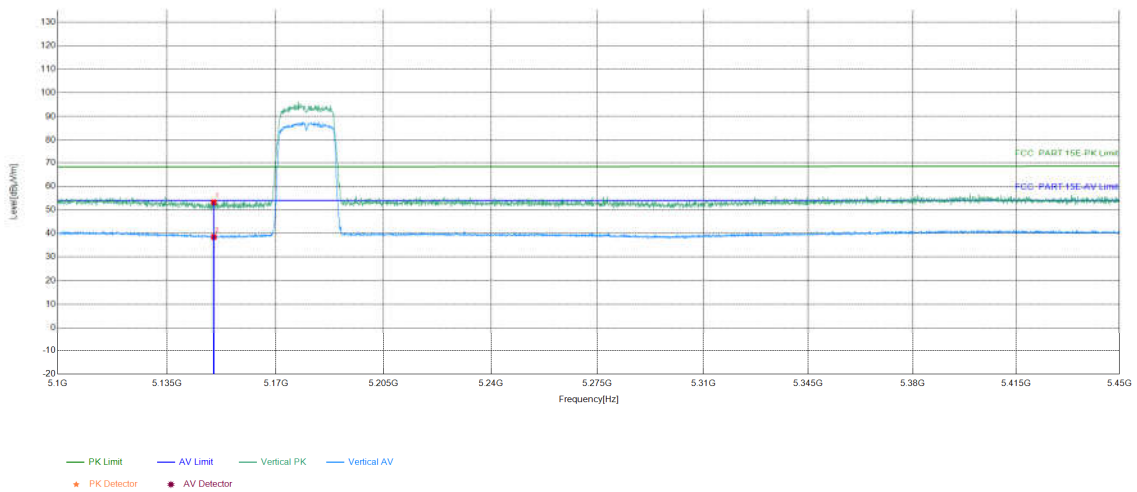


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	20.05	30.48	50.53	68.24	17.71	PASS	Horizontal	PK
2	5150	20.05	18.30	38.35	54.00	15.65	PASS	Horizontal	AV

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

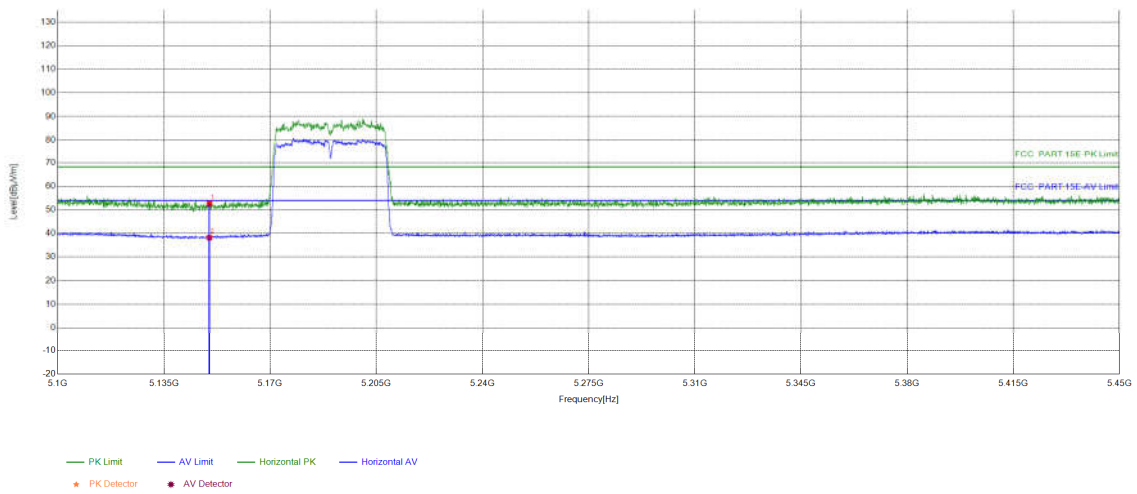
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	20.05	33.15	53.20	68.24	15.04	PASS	Vertical	PK
2	5150	20.05	18.46	38.51	54.00	15.49	PASS	Vertical	AV

Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	5190MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

Test Graph

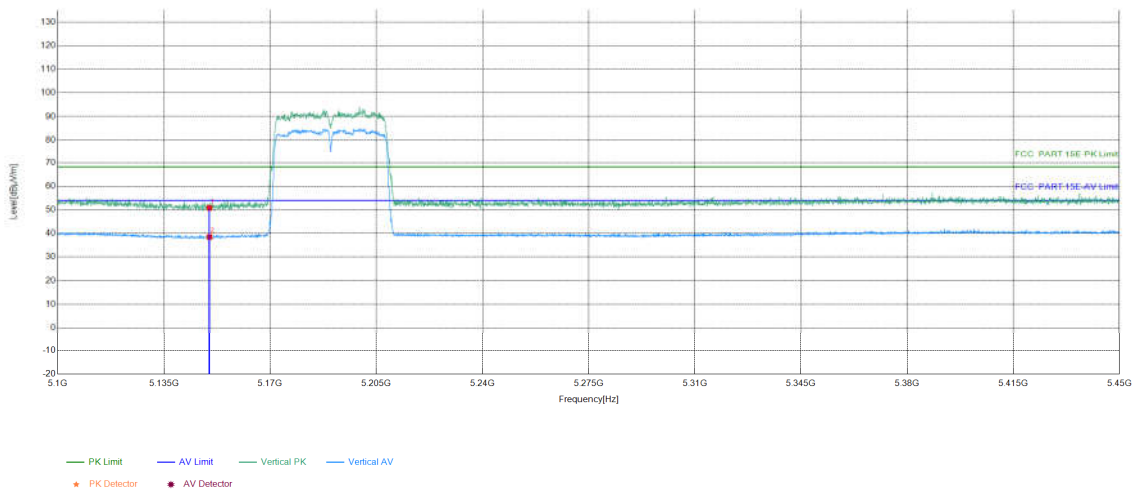


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	19.80	32.78	52.58	68.20	15.62	PASS	Horizontal	PK
2	5150	19.80	18.40	38.20	54.00	15.80	PASS	Horizontal	AV

Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	5190MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

Test Graph

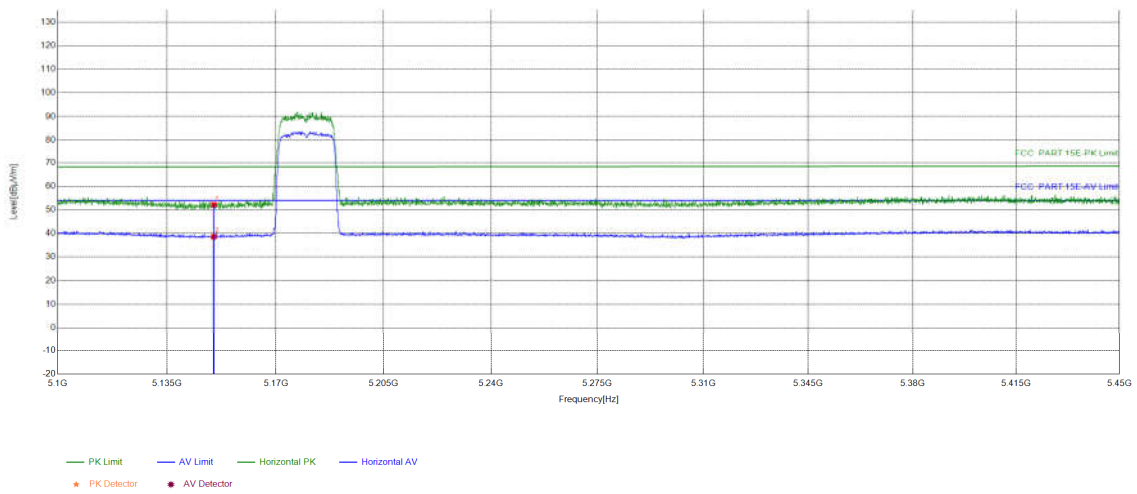


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	19.80	31.00	50.80	68.20	17.40	PASS	Vertical	PK
2	5150	19.80	18.69	38.49	54.00	15.51	PASS	Vertical	AV

Test_Mode	802.11 ac(VHT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

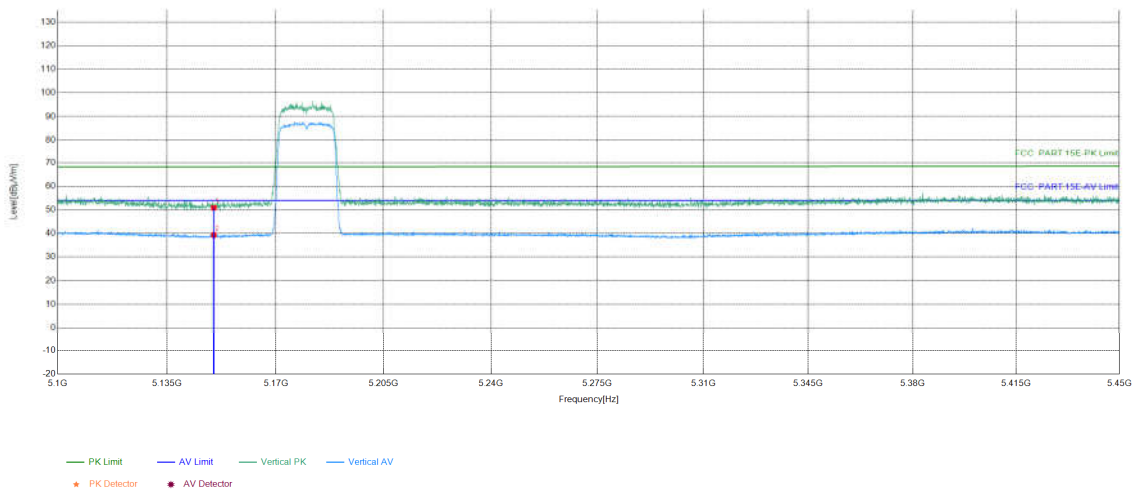
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	20.05	32.12	52.17	68.24	16.07	PASS	Horizontal	PK
2	5150	20.05	18.55	38.60	54.00	15.40	PASS	Horizontal	AV

Test_Mode	802.11 ac(VHT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

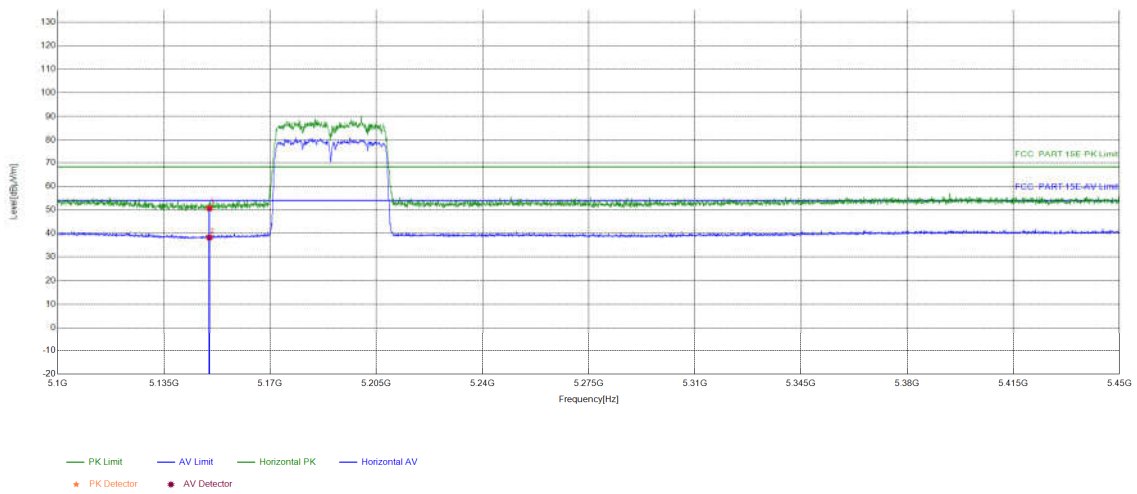
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	20.05	30.82	50.87	68.24	17.37	PASS	Vertical	PK
2	5150	20.05	19.28	39.33	54.00	14.67	PASS	Vertical	AV

Test_Mode	802.11 ac(VHT40) Transmitting	Test_Frequency	5190MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

Test Graph

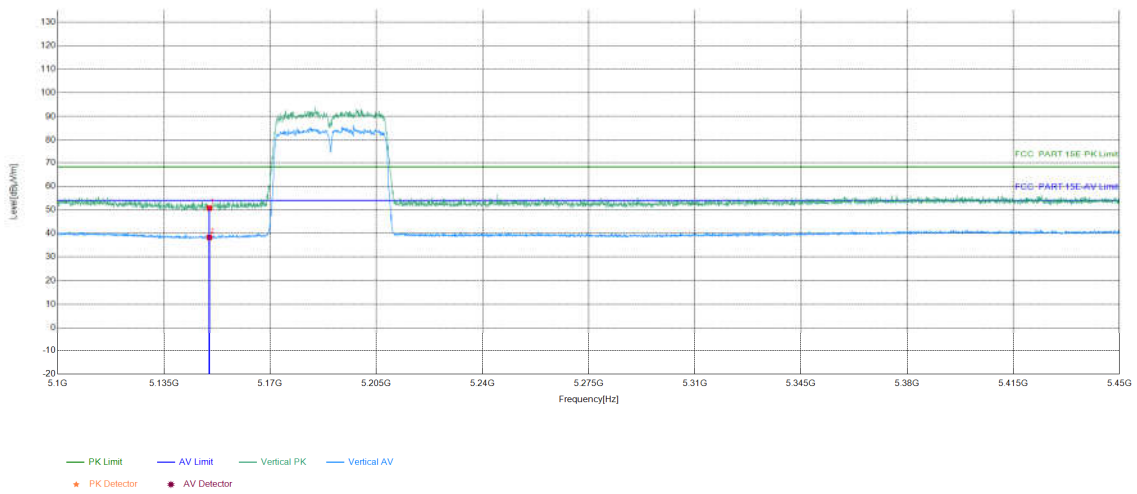


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	19.80	30.84	50.64	68.20	17.56	PASS	Horizontal	PK
2	5150	19.80	18.49	38.29	54.00	15.71	PASS	Horizontal	AV

Test_Mode	802.11 ac(VHT40) Transmitting	Test_Frequency	5190MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

Test Graph

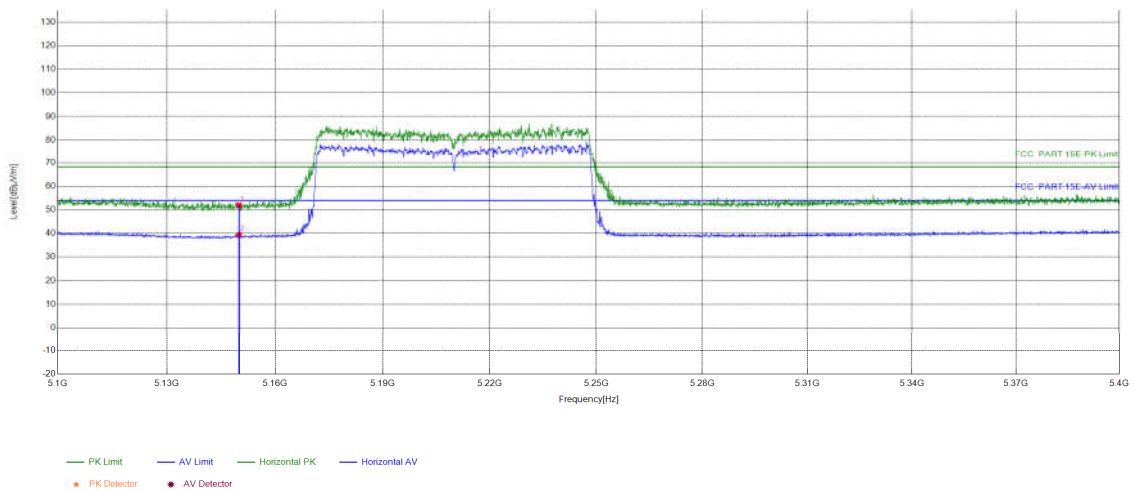


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	19.80	30.96	50.76	68.20	17.44	PASS	Vertical	PK
2	5150	19.80	18.52	38.32	54.00	15.68	PASS	Vertical	AV

Test_Mode	802.11 ac(VHT80) Transmitting	Test_Frequency	5210MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

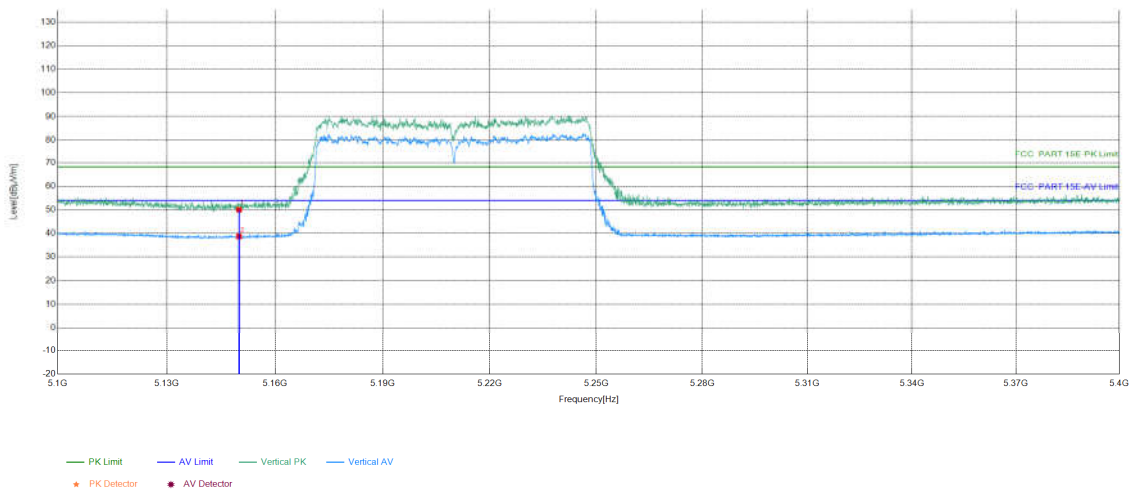
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	19.80	32.16	51.96	68.20	16.24	PASS	Horizontal	PK
2	5150	19.80	19.55	39.35	54.00	14.65	PASS	Horizontal	AV

Test_Mode	802.11 ac(VHT80) Transmitting	Test_Frequency	5210MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\24
Remark	\		

Test Graph

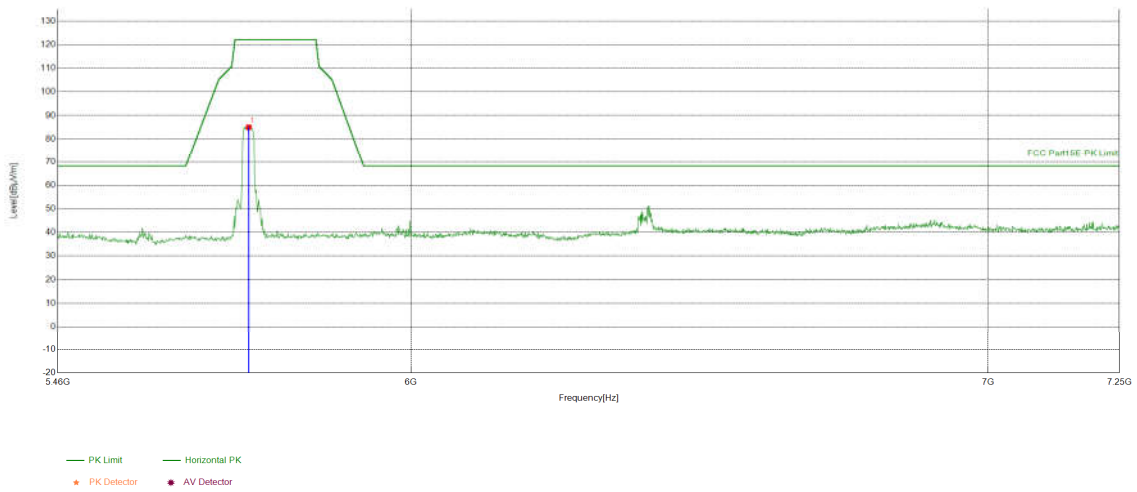


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5150	19.80	30.23	50.03	68.20	18.17	PASS	Vertical	PK
2	5150	19.80	18.93	38.73	54.00	15.27	PASS	Vertical	AV

Test_Mode	802.11 a Transmitting	Test_Frequency	5745MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

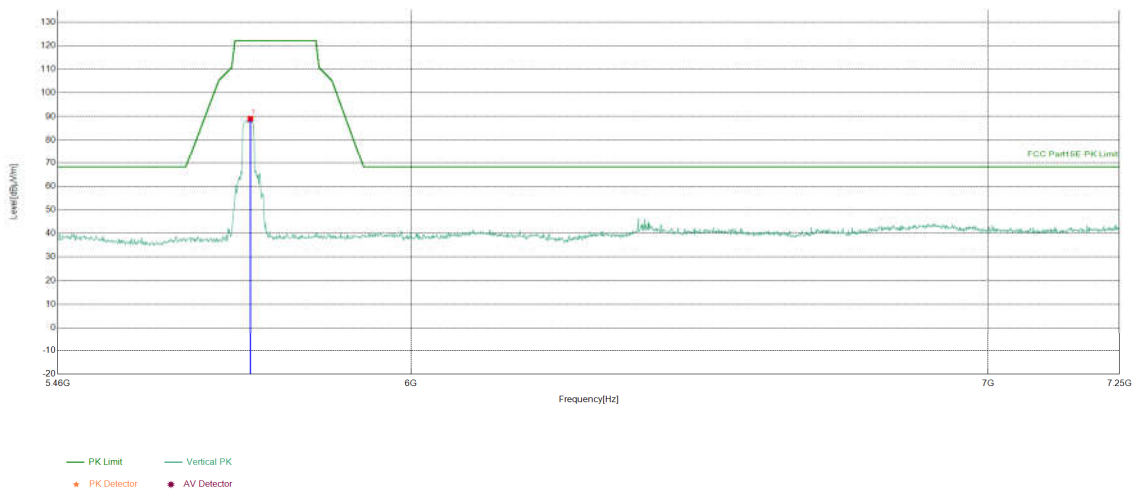
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5745.6478	-9.33	94.39	85.06	122.20	37.14	PASS	Horizontal	PK

Test_Mode	802.11 a Transmitting	Test_Frequency	5745MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

Test Graph

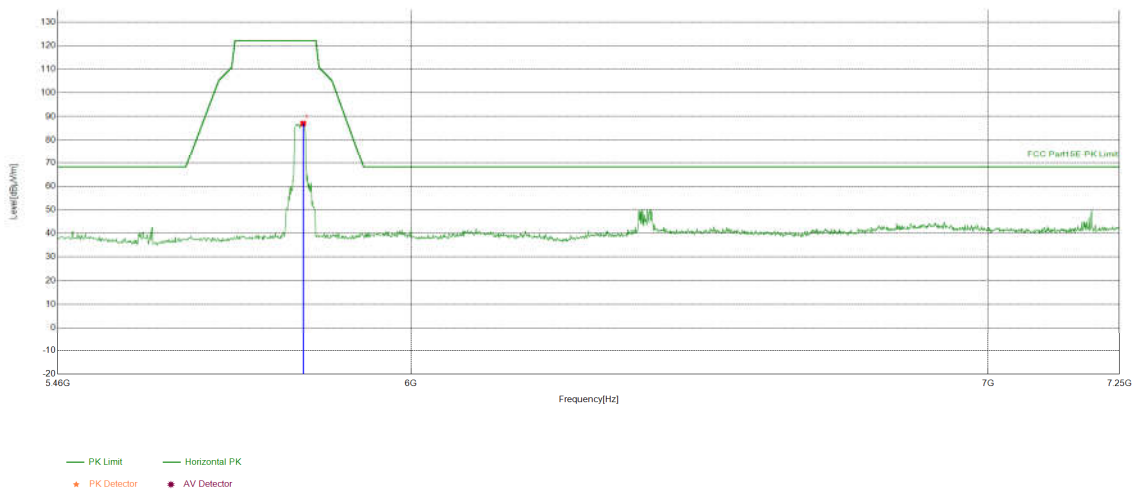


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5748.3342	-9.21	98.19	88.98	122.20	33.22	PASS	Vertical	PK

Test_Mode	802.11 a Transmitting	Test_Frequency	5825MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

Test Graph

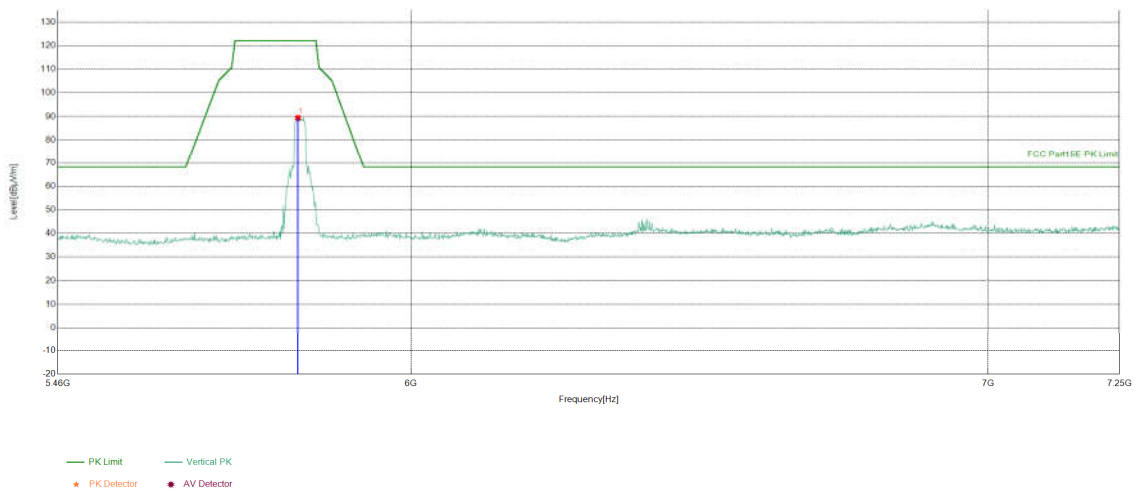


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5829.8199	-9.08	96.14	87.06	122.20	35.14	PASS	Horizontal	PK

Test_Mode	802.11 a Transmitting	Test_Frequency	5825MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

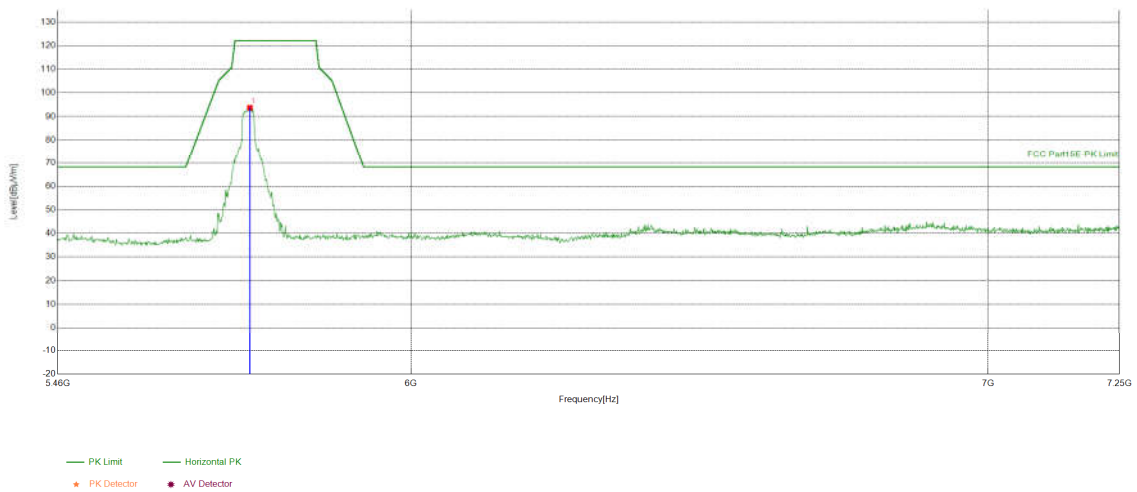
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5821.7609	-9.14	98.60	89.46	122.20	32.74	PASS	Vertical	PK

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5745MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

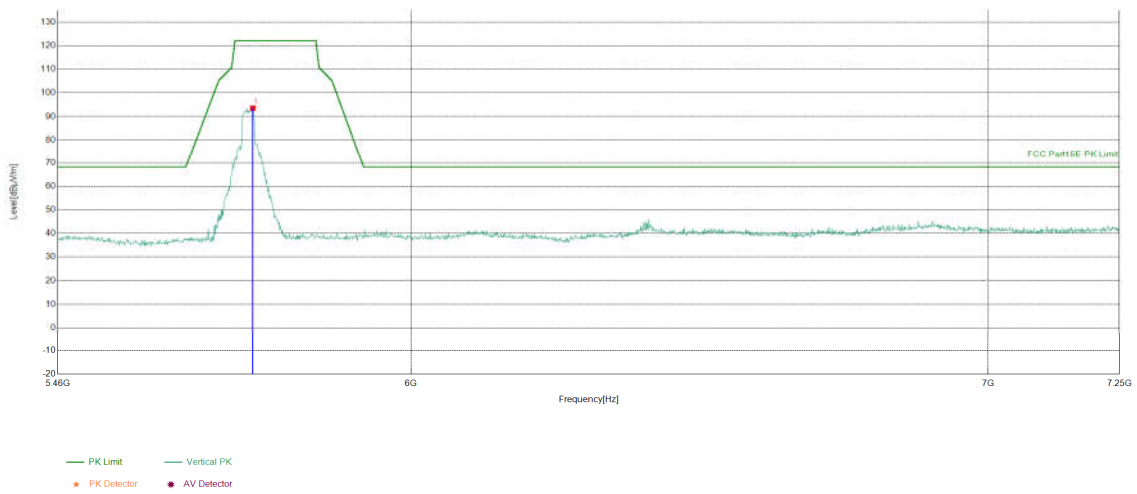
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5747.4387	-9.25	102.99	93.74	122.20	28.46	PASS	Horizontal	PK

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5745MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

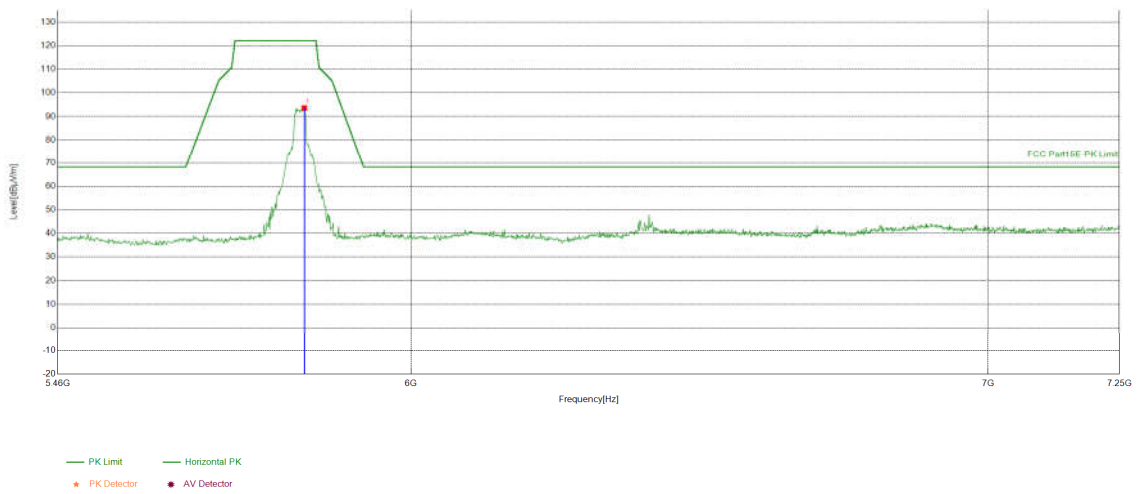
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5751.916	-9.16	102.69	93.53	122.20	28.67	PASS	Vertical	PK

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5825MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

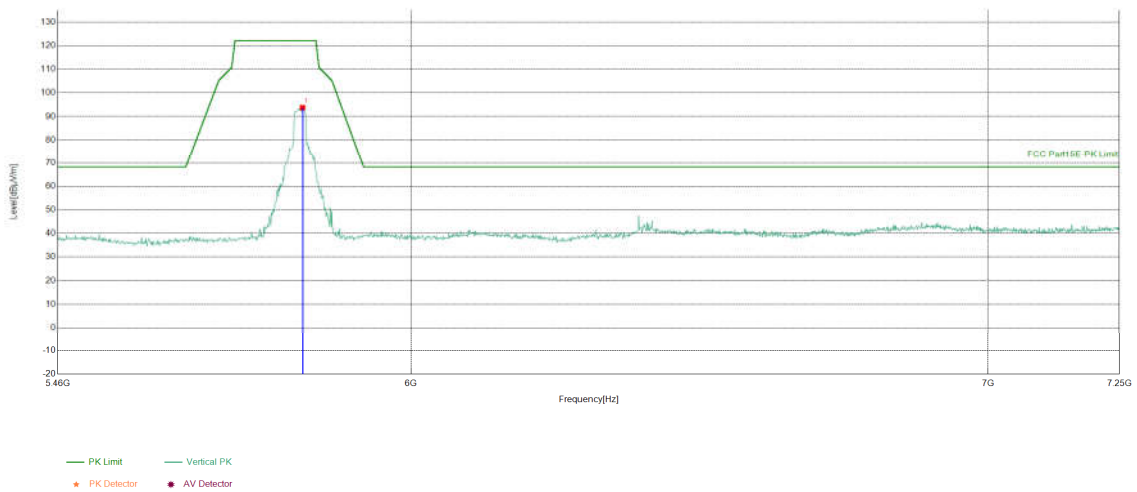
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5831.6108	-9.07	102.67	93.60	122.20	28.60	PASS	Horizontal	PK

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5825MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

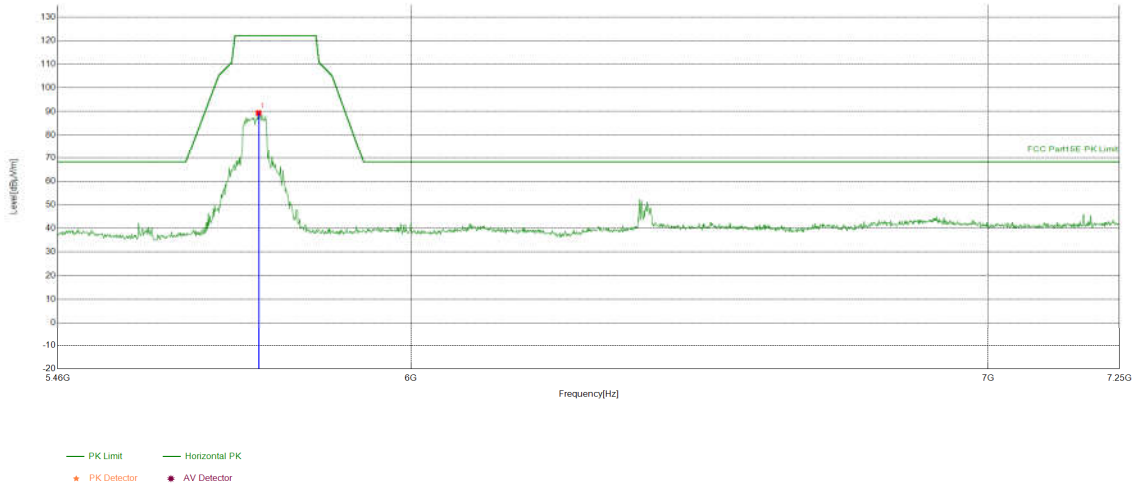
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5828.9245	-9.08	102.84	93.76	122.20	28.44	PASS	Vertical	PK

Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	5755MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

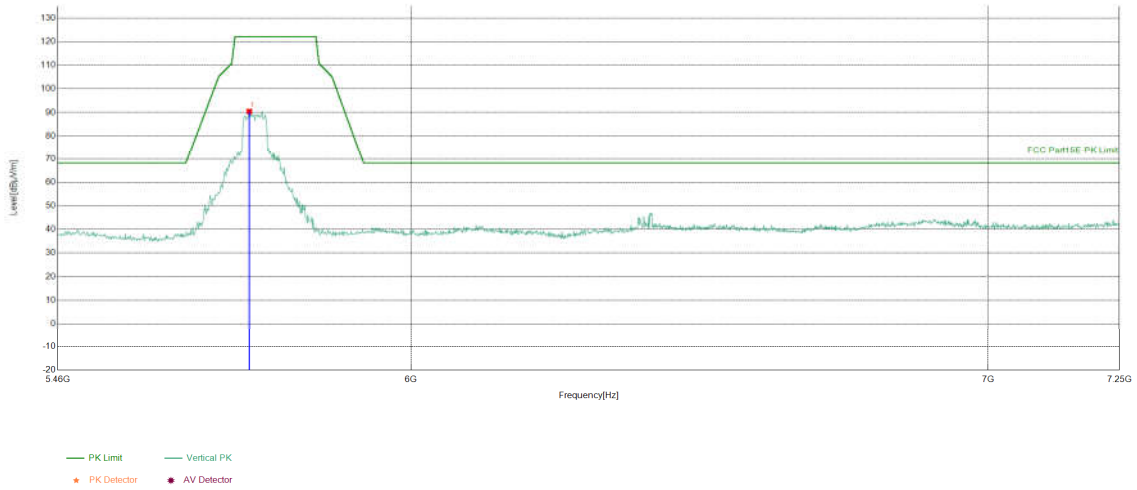
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5760.8704	-9.18	98.56	89.38	122.20	32.82	PASS	Horizontal	PK

Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	5755MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

Test Graph

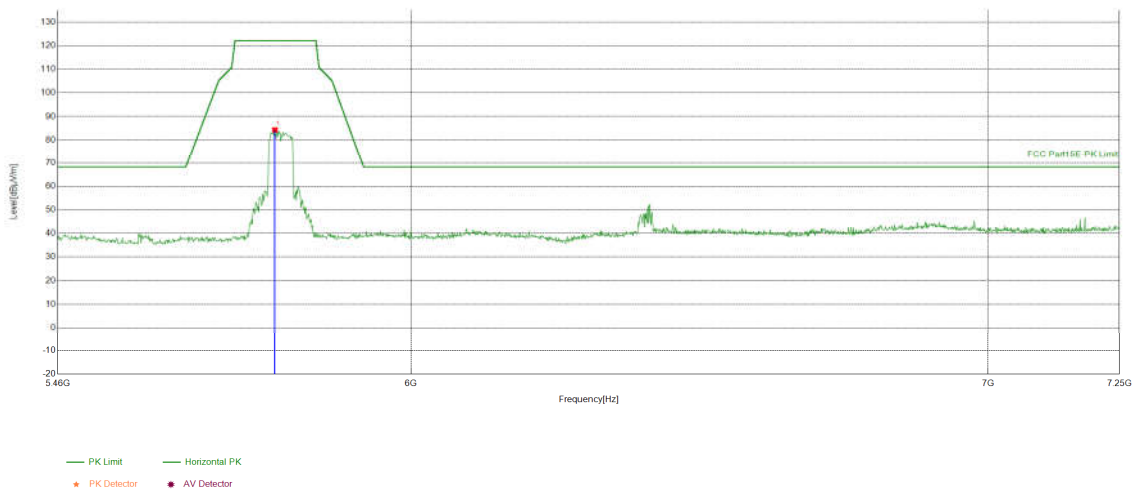


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5746.5433	-9.29	99.76	90.47	122.20	31.73	PASS	Vertical	PK

Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	5795MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

Test Graph

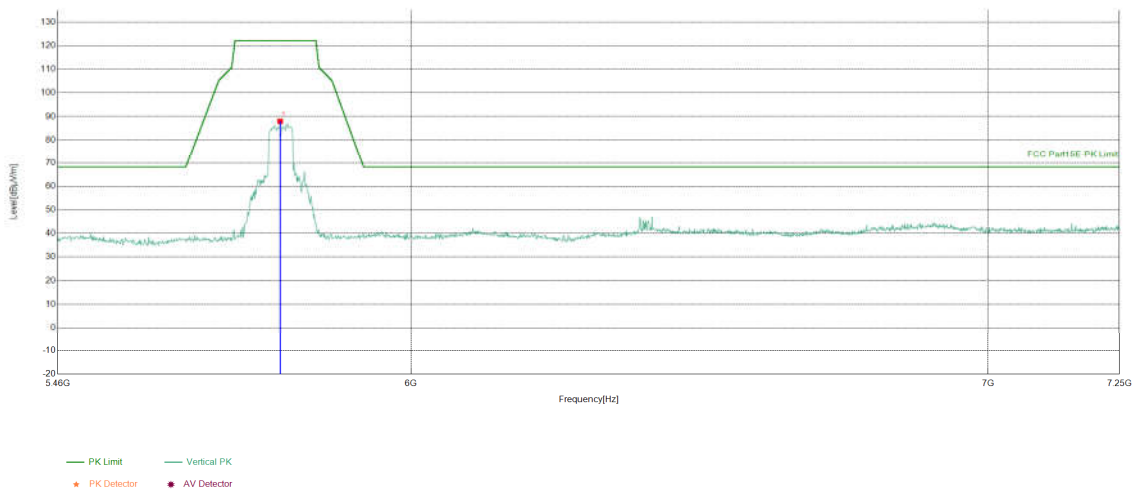


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5785.943	-9.26	93.56	84.30	122.20	37.90	PASS	Horizontal	PK

Test_Mode	802.11 n(HT40) Transmitting	Test_Frequency	5795MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

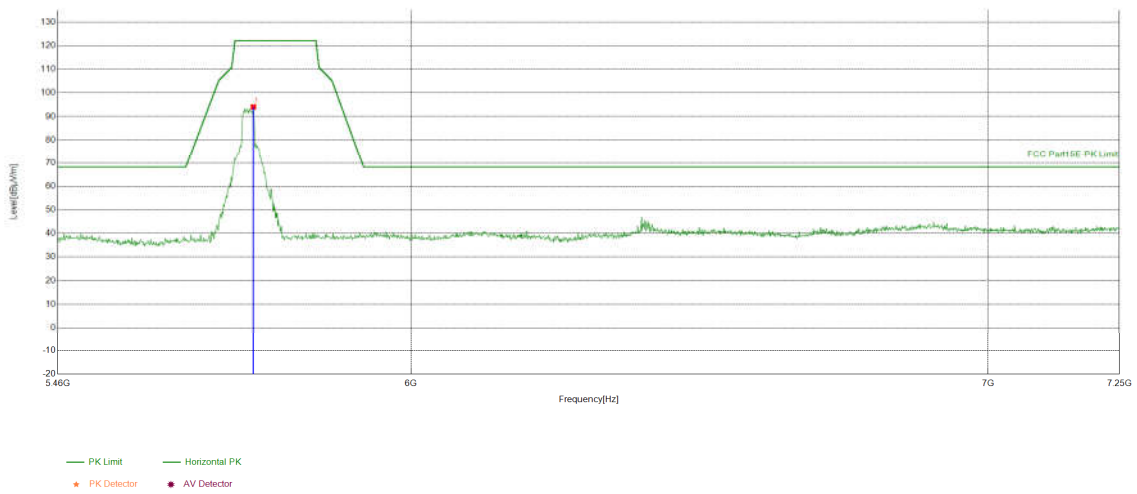
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5794.002	-9.28	97.27	87.99	122.20	34.21	PASS	Vertical	PK

Test_Mode	802.11 ac(VHT20) Transmitting	Test_Frequency	5745MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

Test Graph

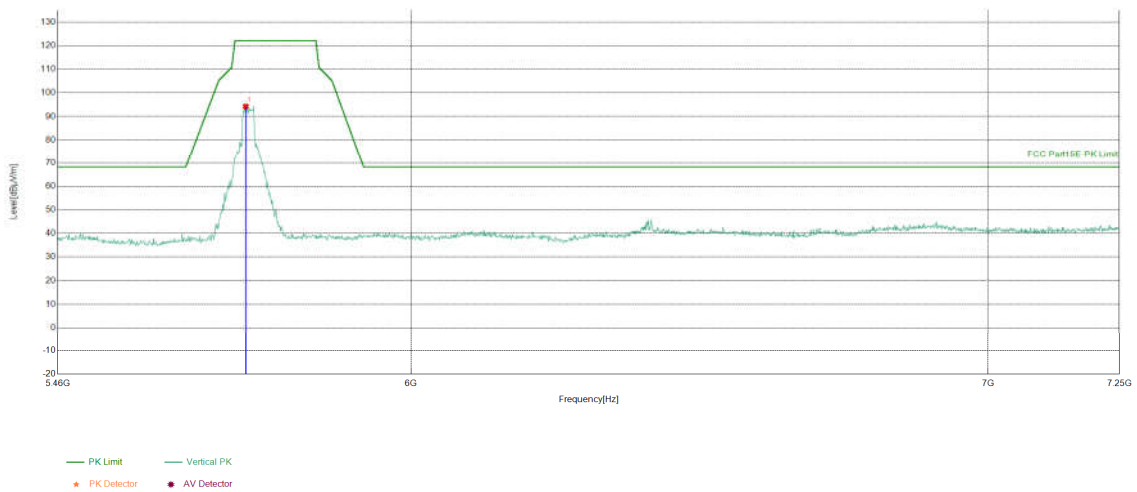


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5752.8114	-9.16	103.22	94.06	122.20	28.14	PASS	Horizontal	PK

Test_Mode	802.11 ac(VHT20) Transmitting	Test_Frequency	5745MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

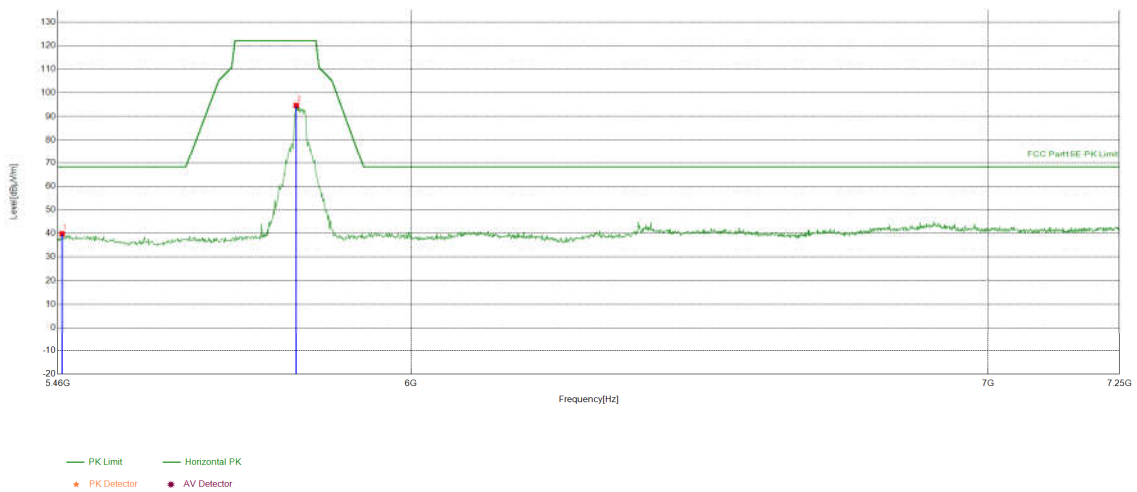
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5741.1706	-9.50	103.75	94.25	122.20	27.95	PASS	Vertical	PK

Test_Mode	802.11 ac(VHT20) Transmitting	Test_Frequency	5825MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

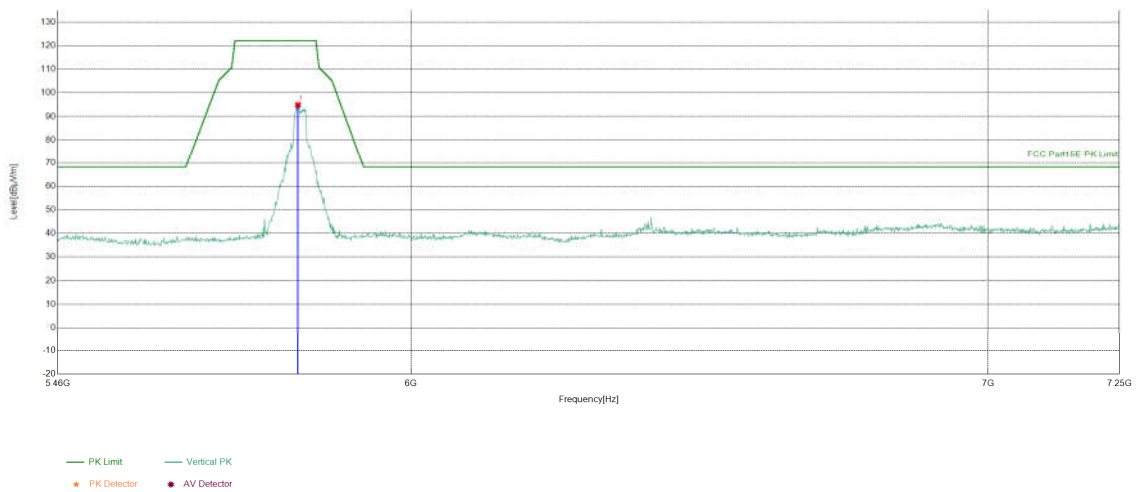
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5466.2681	-10.50	50.36	39.86	68.20	28.34	PASS	Horizontal	PK
2	5819.0745	-9.16	103.85	94.69	122.20	27.51	PASS	Horizontal	PK

Test_Mode	802.11 ac(VHT20) Transmitting	Test_Frequency	5825MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

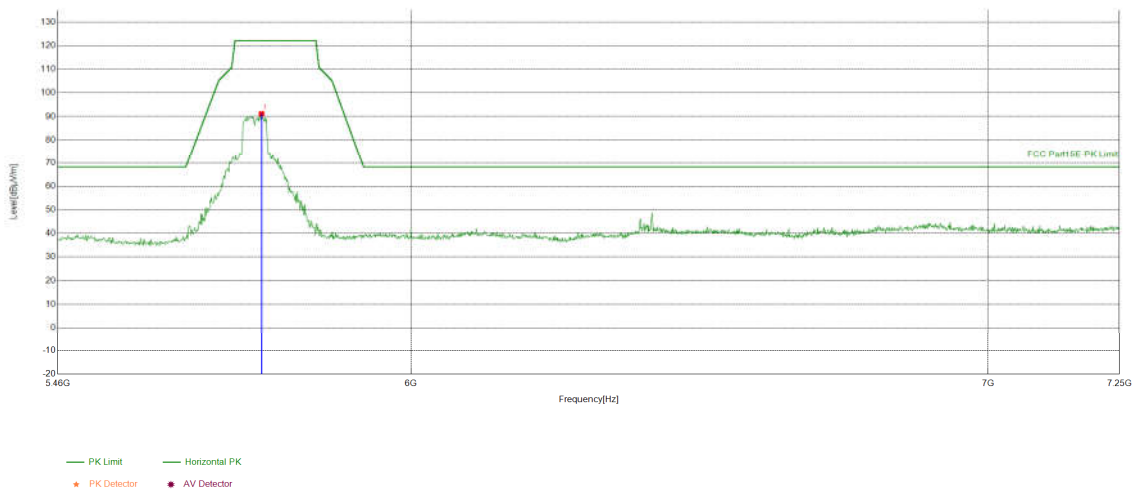
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5821.7609	-9.14	104.04	94.90	122.20	27.30	PASS	Vertical	PK

Test_Mode	802.11 ac(VHT40) Transmitting	Test_Frequency	5755MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

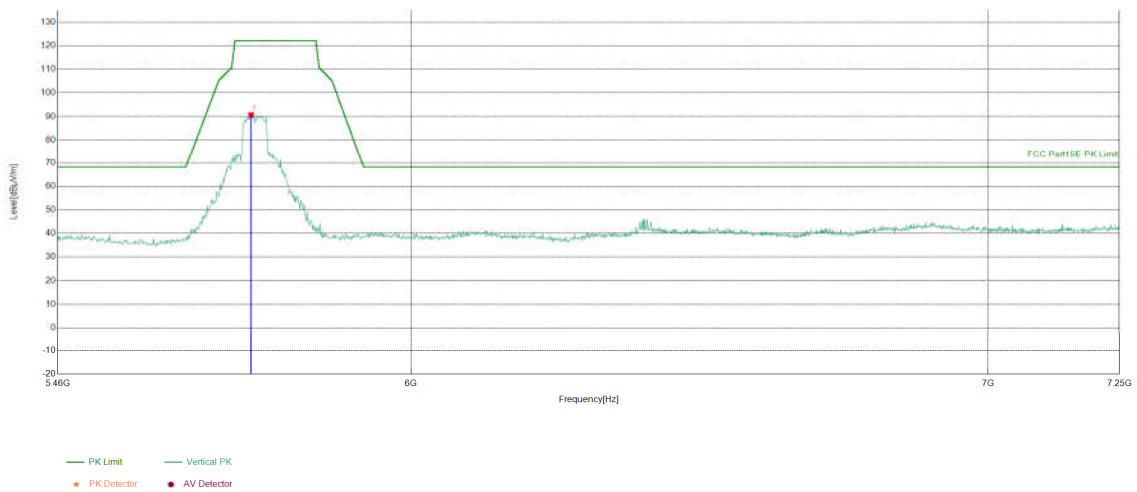
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5765.3477	-9.20	100.33	91.13	122.20	31.07	PASS	Horizontal	PK

Test_Mode	802.11 ac(VHT40) Transmitting	Test_Frequency	5755MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

Test Graph

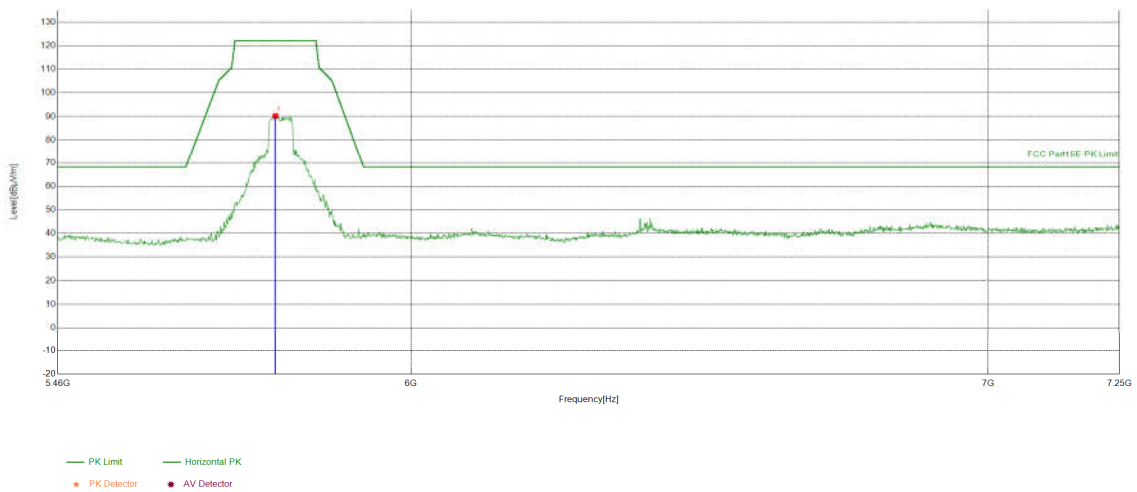


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5749.2296	-9.18	99.90	90.72	122.20	31.48	PASS	Vertical	PK

Test_Mode	802.11 ac(VHT40) Transmitting	Test_Frequency	5795MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

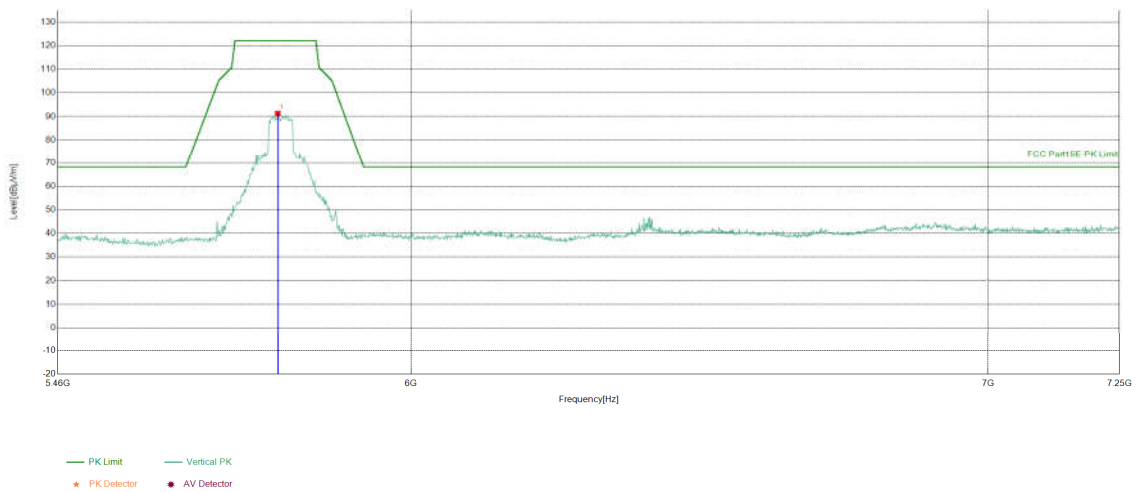
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5786.8384	-9.26	99.51	90.25	122.20	31.95	PASS	Horizontal	PK

Test_Mode	802.11 ac(VHT40) Transmitting	Test_Frequency	5795MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

Test Graph

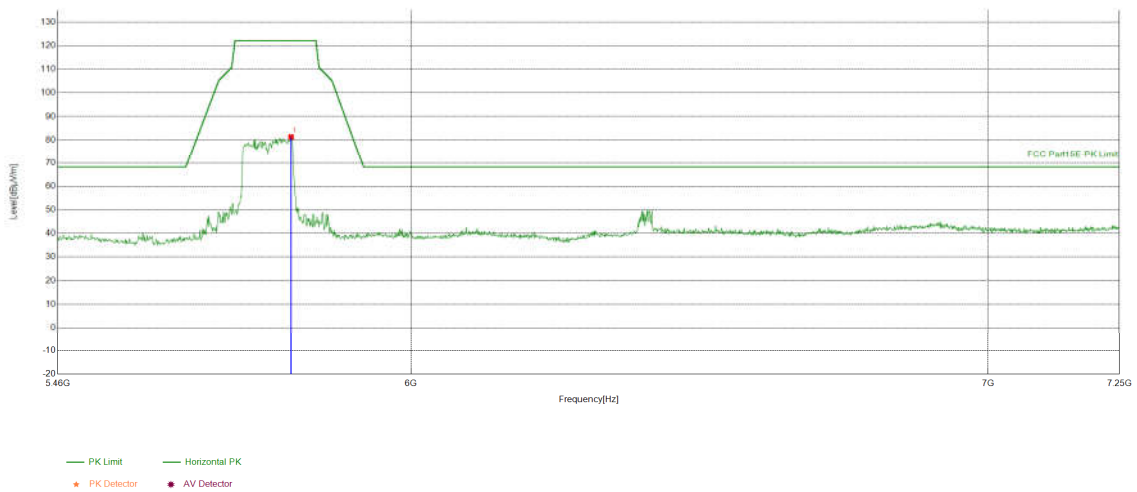


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5790.4202	-9.28	100.56	91.28	122.20	30.92	PASS	Vertical	PK

Test_Mode	802.11 ac(VHT80) Transmitting	Test_Frequency	5775MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

Test Graph

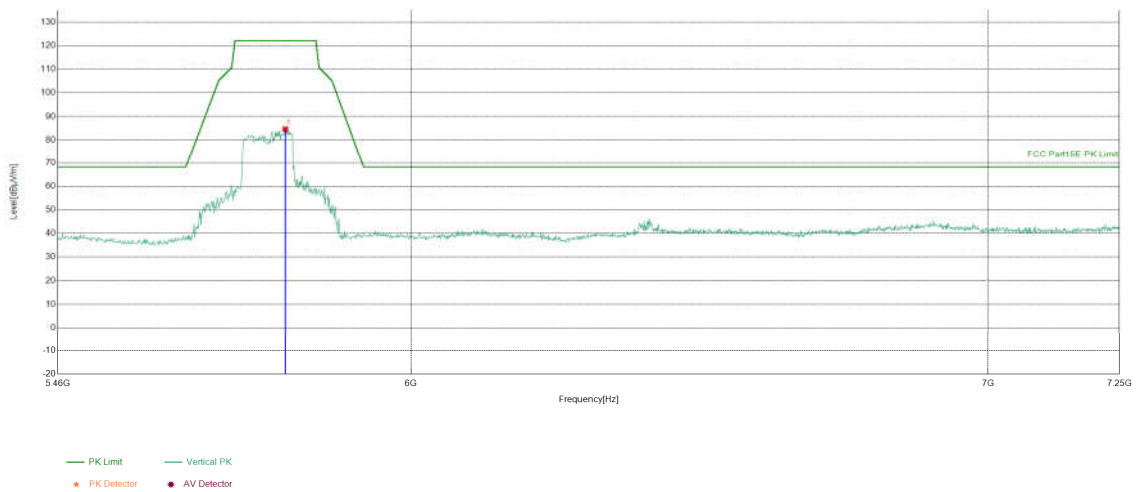


Suspected List

NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	5811.0155	-9.22	90.53	81.31	122.20	40.89	PASS	Horizontal	PK

Test_Mode	802.11 ac(VHT80) Transmitting	Test_Frequency	5775MHz
Tset_Engineer	Aiden.wang	Test_Date	2024\09\25
Remark	\		

Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	5802.061	-9.29	93.90	84.61	122.20	37.59	PASS	Vertical	PK

Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

2) Scan from 1GHz to 25GHz, the disturbance above 13GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

7 Appendix 5G Wi-Fi

Refer to Appendix: 5G Wi-Fi of EED32Q81282704

PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32Q81282701 for EUT external and internal photos.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***