

TEST REPORT

Product : karaoke machine with screen
Trade mark : N/A
Model/Type reference : V-09
Serial Number : N/A
Report Number : EED32S820650
FCC ID : 2BNFO-V09
Date of Issue : September 20, 2026
Test Standards : 47 CFR Part 15 Subpart E
Test result : PASS

Prepared for:

Shenzhen Xutao Electronics Co., Ltd
Unit 301, Dawangshan Rainbow Residence, No. 1007 Xihuan Road,
Dawangshan Community, Shajing District, Bao'an District, Shenzhen
GuangDong

Prepared by:

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

Compiled by:

Frazer Li

Frazer Li

Reviewed by:

Tom Chen

Tom Chen

Approved by:

Aaron Ma

Aaron Ma

Date:

September 20, 2026

Check No.: 6414250826



1 Content

1 CONTENT	2
2 TEST SUMMARY	3
3 GENERAL INFORMATION	4
3.1 CLIENT INFORMATION	4
3.2 GENERAL DESCRIPTION OF EUT	4
3.3 TEST CONFIGURATION	6
3.4 TEST ENVIRONMENT	6
3.5 DESCRIPTION OF SUPPORT UNITS	7
3.6 TEST LOCATION	7
3.7 DEVIATION FROM STANDARDS	7
3.8 ABNORMALITIES FROM STANDARD CONDITIONS	7
3.9 OTHER INFORMATION REQUESTED BY THE CUSTOMER	7
3.10 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2)	8
4 EQUIPMENT LIST	9
5 RADIO TECHNICAL REQUIREMENTS SPECIFICATION	12
5.1 ANTENNA REQUIREMENT	12
5.2 AC POWER LINE CONDUCTED EMISSIONS	13
5.3 MAXIMUM CONDUCTED OUTPUT POWER	18
5.4 6dB EMISSION BANDWIDTH	19
5.5 26dB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH	20
5.6 MAXIMUM POWER SPECTRAL DENSITY	21
5.7 FREQUENCY STABILITY	22
5.8 RADIATED EMISSION	23
5.9 RADIATED EMISSION WHICH FALL IN THE RESTRICTED BANDS	173
6 APPENDIX A	232
7 PHOTOGRAPHS	233

2 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)	PASS
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

3 General Information

3.1 Client Information

Applicant:	Shenzhen Xutao Electronics Co., Ltd
Address of Applicant:	Unit 301, Dawangshan Rainbow Residence, No. 1007 Xihuan Road, Dawangshan Community, Shajing District, Bao'an District, Shenzhen Guangdong
Manufacturer:	Dongguan Langyun Electronic Co., Ltd.
Address of Manufacturer:	Room 401&Room 403, No.26, Gong'ao 1st Road, Dalang Town, Dongguan, Guangdong, China

3.2 General Description of EUT

Product Name:	karaoke machine with screen	
Model No.:	V-09	
Test Model No.:	V-09	
Model difference:	N/A	
Trade mark:	N/A	
EUT Function:	☐ Outdoor AP ☐ Indoor AP ☐ Fixed P2P AP ☒ Indoor	
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): OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) IEEE 802.11ax(HE20/HE40): OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)	
Operating Frequency	U-NII-1: 5150-5250MHz U-NII-3: 5745-5825MHz	
Antenna Configuration:	☒ Single Transmitting;	
Antenna Type:	PIFA antenna	
Antenna Gain:	U-NII-1: 2.06dBi U-NII-3: 1.49dBi	
Power Supply:	Adapter:	Model No.: N/A Input: N/A Output: N/A
	Battery:	DC 7.4V
	USB Port:	DC 5V
Test voltage:	DC 5V	
Sample Received Date:	Aug. 25, 2026	
Sample tested Date:	Aug. 25, 2026 to Sep. 17, 2026	

Operation Frequency each of channel

802.11a/802.11n/802.11ac(20MHz)/802.11ax(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)/802.11ax(40MHz)Frequency/Channel Operations:

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

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.

3.3 Test Configuration

EUT Test Software Settings:	
Software:	adb.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
802.11ax(HE20)	MCS0
802.11ax(HE40)	MCS0
802.11be(EHT20)	MCS0
802.11be(EHT40)	MCS0

3.4 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)	-10 °C
	HT (High Temperature)	85.0 °C
Working Voltage of the EUT:	NV (Normal Voltage)	5.0 V
	LV (Low Voltage)	4.5 V
	HV (High Voltage)	5.0 V

3.5 Description of Support Units

No.	Device Type	Brand	Series No.	Model	Data Cable	Power Cord
1.	Netbook	HP	DESKTOP-H31GDCQ	FCC&CE	--	--
2.	Router	Asus	AX5400 RT-AX82U	FCC&CE	--	--

3.6 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, Test Firm Registration No.: 260439

3.7 Deviation from Standards

None.

3.8 Abnormalities from Standard Conditions

None.

3.9 Other Information Requested by the Customer

None.

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

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-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%

4 Equipment List

RF test system					
Equipment	Manufacturer	Model	Series No.	Cal. Date	Cal. Due date
high-low temperature test chamber	Qin Zhuo	LK-80GA	QZ20150611879	11/13/2025	11/12/2026
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	05/22/2026	05/21/2027
Digital multimeter	FLUKE	17B MAX	59545050WS	10/15/2025	10/14/2026
BT&Wi-Fi Automatic test system	TSTPASS	/	/	N.C.R	N.C.R
RF control unit(power unit)	TSTPASS	TSCB562R2	SN2949184	04/25/2026	04/24/2027
Wi-Fi 7GHz Band Extender	TSTPASS	TSTCMWSGEXT7	SN4522048	04/25/2026	04/24/2027
Spectrum Analyzer	Keysight	N9020B	MY57110194	04/25/2026	04/24/2027
Communication test set	R&S	CMW500	159004	04/25/2026	04/24/2027
Signal Generator	Keysight	N5171B	MY53051074	04/25/2026	04/24/2027
Signal Generator	R&S	SMBV100B	103596	04/25/2026	04/24/2027
DC Power	Keysight	E3634A	MY58186018	04/25/2026	04/24/2027

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	---	01-29-2024	01-28-2027
Receiver	Keysight	N9038A	MY57290136	12-22-2025	12-21-2026
Spectrum Analyzer	Keysight	N9020B	MY57111112	12-21-2025	12-20-2026
Spectrum Analyzer	Keysight	N9030B	MY57140871	12-21-2025	12-20-2026
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	03-29-2026	03-28-2027
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-03-2026	04-02-2027
Horn Antenna	ETS-LINDGREN	3117	57407	05-10-2026	05-09-2027
Preamplifier	EMCI	EMC001330	980563	02-06-2026	02-05-2027
Preamplifier	EMCI	EMC051845SE	980380	11-25-2025	11-24-2026
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-07-2025 06-22-2026	07-06-2026 06-21-2027
Communication test set	R&S	CMW500	104466	11-25-2025	11-24-2026
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	03-24-2026	03-23-2027
RSE Automatic test software	JS Tonscend	JS36-RSE	V5.0.0.1	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	01-29-2024	01-28-2027
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	01-29-2024	01-28-2027
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	01-29-2024	01-28-2027
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	01-29-2024	01-28-2027
Cable line	Times	EMC104-NMNM-1000	SN160710	01-29-2024	01-28-2027
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	01-29-2024	01-28-2027
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	01-29-2024	01-28-2027
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	01-29-2024	01-28-2027
Cable line	Times	HF160-KMKM-3.00M	393493-0001	01-29-2024	01-28-2027

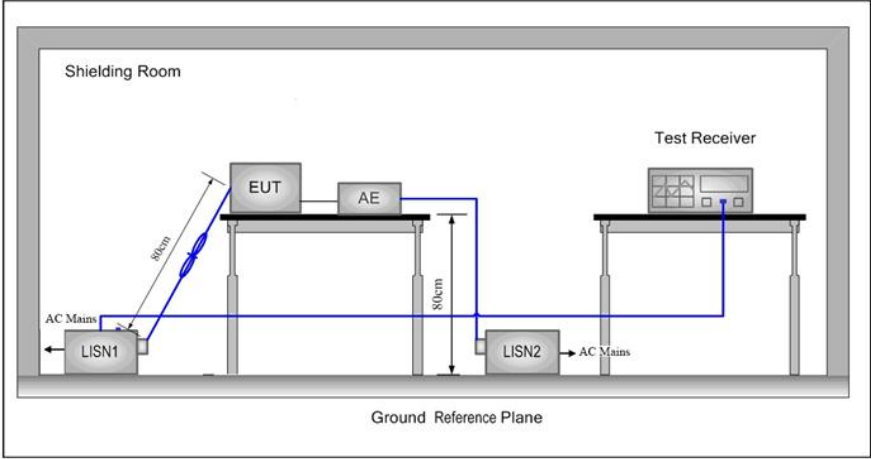
Conducted disturbance Test					
Equipment	Manufacturer	Model	Series No.	Cal. Date	Cal. Due date
Receiver	R&S	ESCI	100435	04/07/2026	04/06/2027
LISN	R&S	ENV216	100098	09/13/2025 09/04/2026	09/12/2026 09/03/2027
Software-EZ	Farad Technology	--	EMC-CON 3A1.1	N.C.R	N.C.R

5 Radio Technical Requirements Specification

5.1 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 PIFA antenna. The best case gain of the antenna is : U-NII-1:2.06dBi; U-NII-3:1.49dBi.	

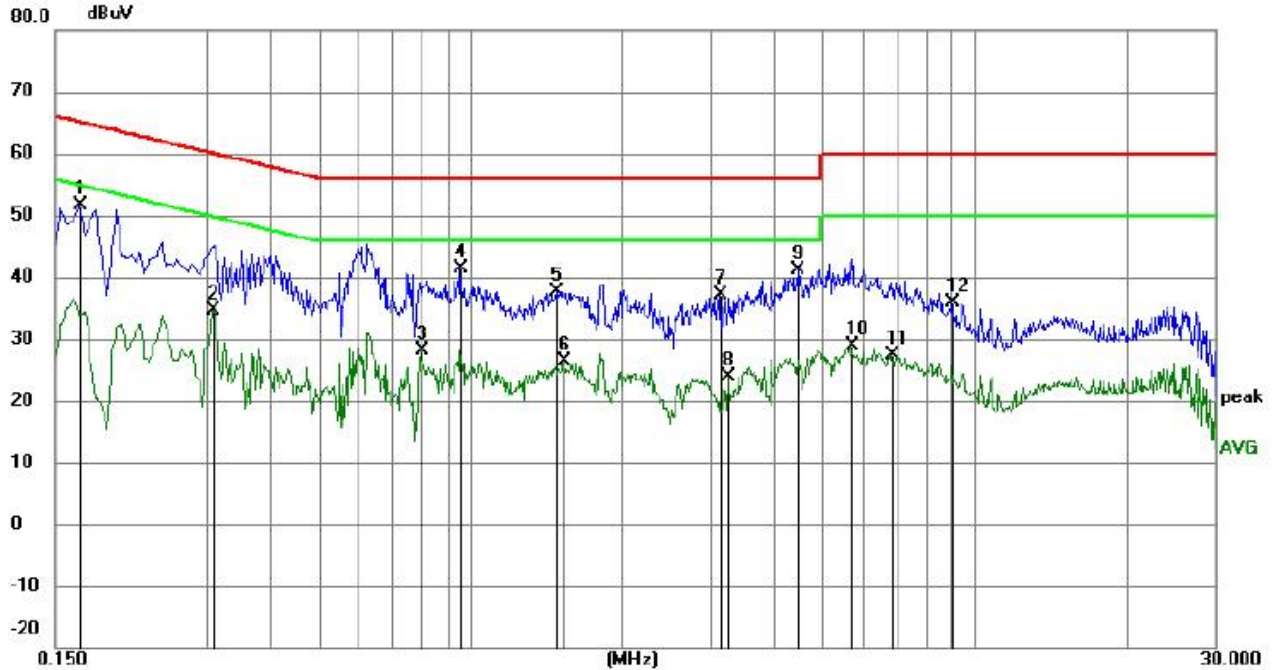
5.2 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207		
Test Method:	ANSI C63.10-2020		
Test Frequency Range:	150kHz to 30MHz		
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		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 Setup:			
Test Procedure:	1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) 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. 3) 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. 4) 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. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10-2020 on conducted measurement.		

Test Mode:	All modes were tested, only the worst case was recorded in the report.
Test Results:	Pass

Measurement Data

Live line:



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1680	41.39	10.28	51.67	65.06	-13.39	QP	
2		0.3075	24.67	10.05	34.72	50.04	-15.32	AVG	
3		0.7980	17.94	10.20	28.14	46.00	-17.86	AVG	
4		0.9555	31.11	10.22	41.33	56.00	-14.67	QP	
5		1.4865	27.51	10.19	37.70	56.00	-18.30	QP	
6		1.5315	16.15	10.18	26.33	46.00	-19.67	AVG	
7		3.1380	27.00	10.08	37.08	56.00	-18.92	QP	
8		3.2460	13.79	10.07	23.86	46.00	-22.14	AVG	
9		4.4655	31.00	10.01	41.01	56.00	-14.99	QP	
10		5.6940	19.00	9.94	28.94	50.00	-21.06	AVG	
11		6.8505	17.39	9.87	27.26	50.00	-22.74	AVG	
12		9.0195	26.04	9.85	35.89	60.00	-24.11	QP	

Remark:

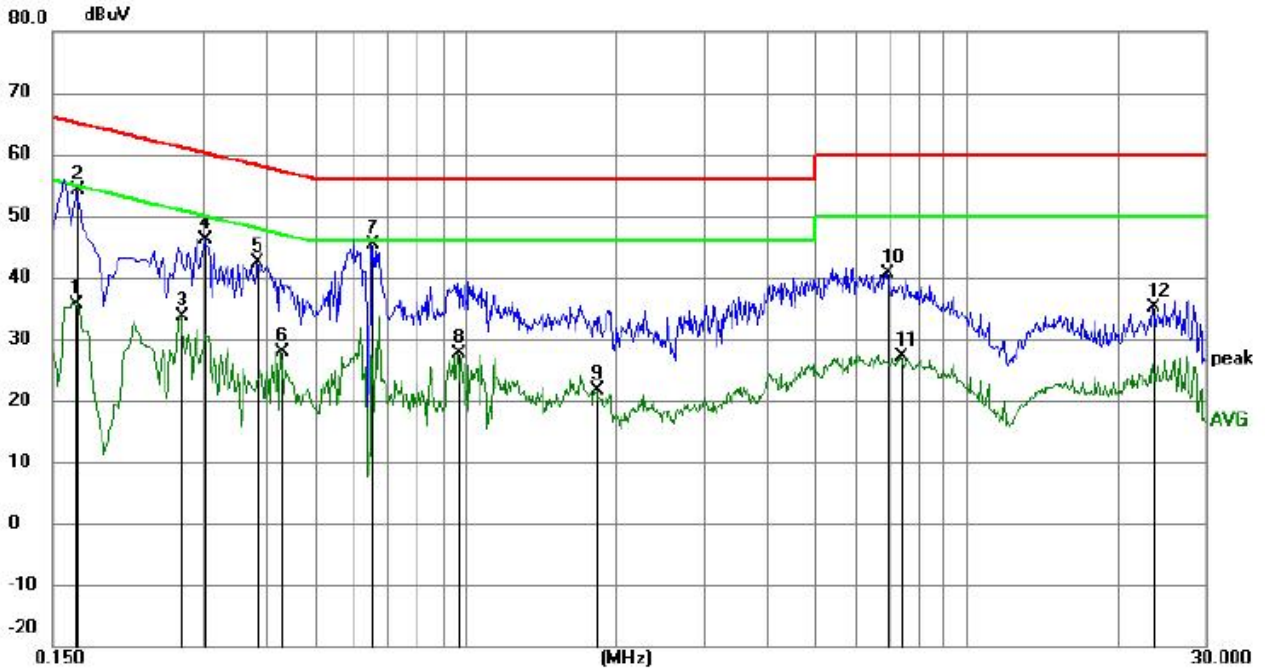
1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. Margin=Measurement-Limit.

4. Measurement=Reading Level+Correct Factor.

5. In the test results, an asterisk (*) indicates Maximum Data, a cross (X) indicates over Limit.

6. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:

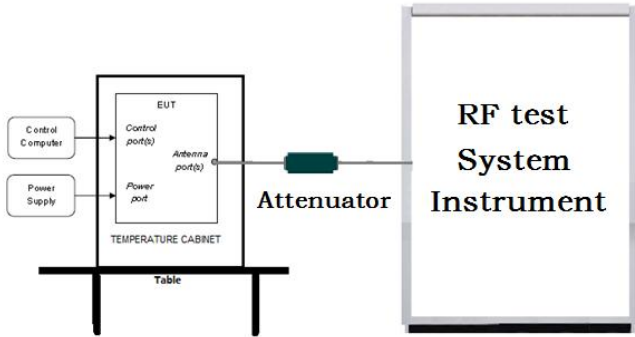


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1659	25.46	10.28	35.74	55.16	-19.42	AVG	
2		0.1680	43.83	10.28	54.11	65.06	-10.95	QP	
3		0.2714	23.53	10.11	33.64	51.07	-17.43	AVG	
4		0.3030	36.00	10.05	46.05	60.16	-14.11	QP	
5		0.3840	32.08	10.18	42.26	58.19	-15.93	QP	
6		0.4290	17.83	10.17	28.00	47.27	-19.27	AVG	
7	*	0.6540	35.23	10.19	45.42	56.00	-10.58	QP	
8		0.9645	17.39	10.22	27.61	46.00	-18.39	AVG	
9		1.8330	11.39	10.16	21.55	46.00	-24.45	AVG	
10		6.9180	30.68	9.86	40.54	60.00	-19.46	QP	
11		7.3905	17.17	9.86	27.03	50.00	-22.97	AVG	
12		23.5815	25.36	9.81	35.17	60.00	-24.83	QP	

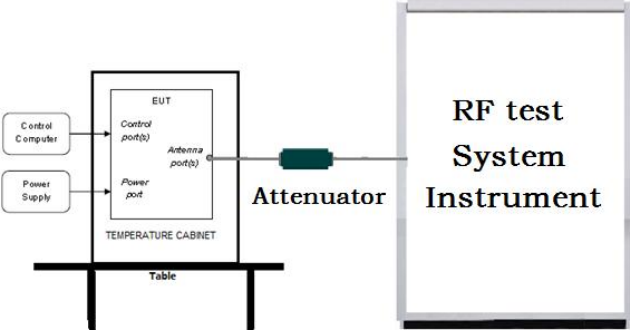
Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. Margin = Measurement - Limit.
4. Measurement = Reading Level + Correct Factor.
5. In the test results, an asterisk (*) indicates Maximum Data, a cross (X) indicates over Limit.
6. If the Peak value under Average limit, the Average value is not recorded in the report.

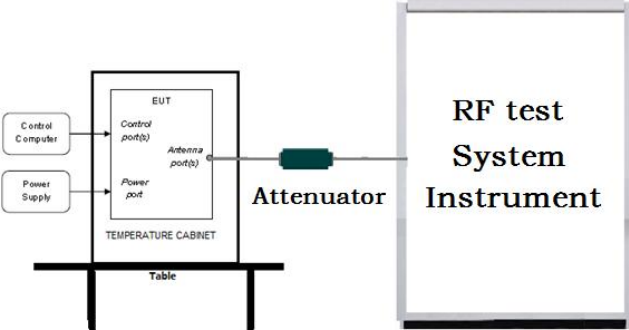
5.3 Maximum Conducted Output Power

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:	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. 5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01. Method (a): Measure and sum the spectra across the outputs. The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.												
Limit:	<table border="1"> <thead> <tr> <th>Frequency band (MHz)</th><th>Limit</th></tr> </thead> <tbody> <tr> <td>5150-5250</td><td>≤1W(30dBm) for master device ≤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 A												

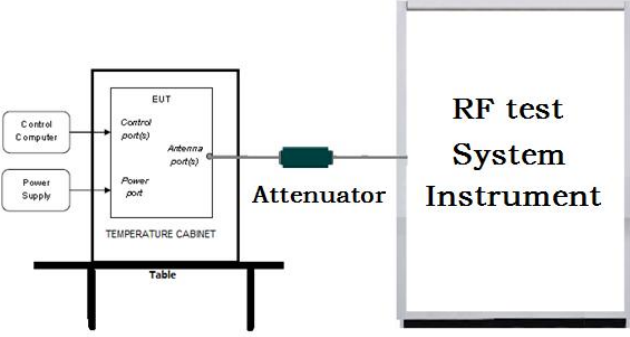
5.4 6dB Emission Bandwidth

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:	 Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	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 A

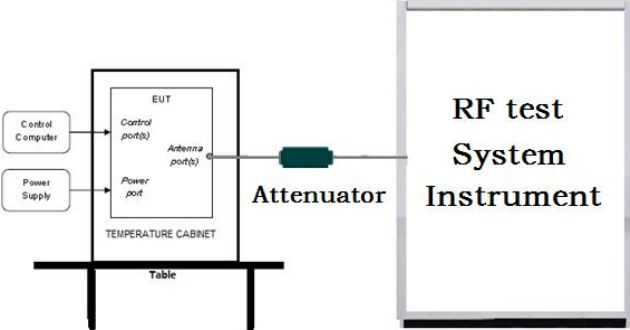
5.5 26dB Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.407 (a)
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C&D
Test Setup:	 Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	For 26dB Occupied Bandwidth: 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. For 99% Occupied Bandwidth: 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. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) $\geq 3 * RBW$. 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 A

5.6 Maximum Power Spectral Density

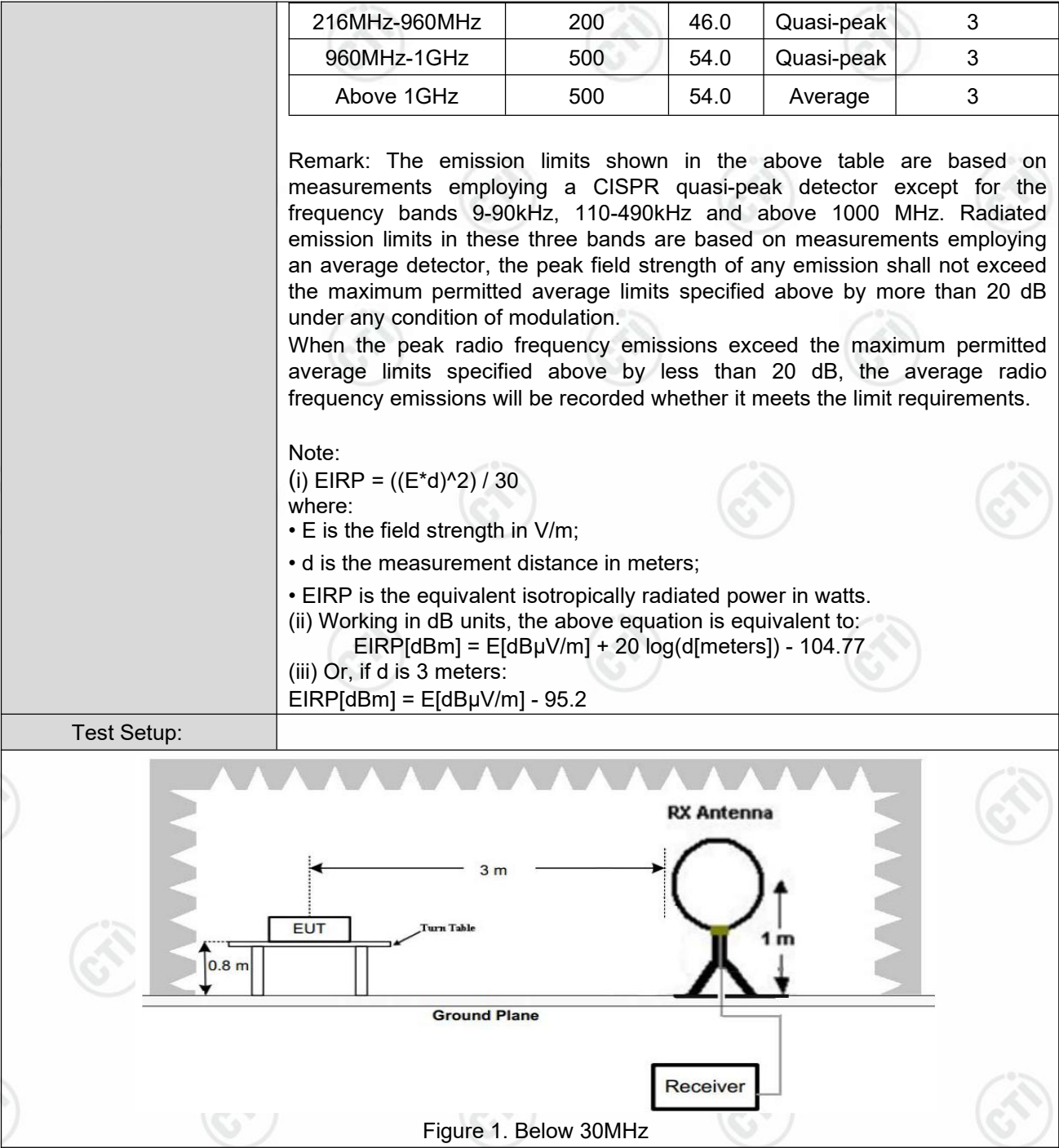
Test Requirement:	47 CFR Part 15C Section 15.407 (a)												
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F												
Test Setup:	 Remark: Offset=Cable loss+ attenuation factor.												
Test Procedure:	1. Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth. 1. Set RBW = 510 kHz/1 MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS. 2. Allow the sweeps to continue until the trace stabilizes. 3. Use the peak marker function to determine the maximum amplitude level. 5.For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01. Method (a): Measure and sum the spectra across the outputs.The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.												
Limit:	<table border="1"> <thead> <tr> <th>Frequency band (MHz)</th><th>Limit</th></tr> </thead> <tbody> <tr> <td>5150-5250</td><td>≤17dBm in 1MHz for master device ≤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 A												

5.7 Frequency Stability

Test Requirement:	47 CFR Part 15C Section 15.407 (g)
Test Method:	ANSI C63.10-2020
Test Setup:	 Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	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 A

5.8 Radiated Emission

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.407 (b)																																																					
Test Method:	ANSI C63.10-2020																																																					
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)																																																					
Receiver Setup:	<table><tr><th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Remark</th></tr><tr><td>0.009MHz-0.090MHz</td><td>Peak</td><td>10kHz</td><td>30kHz</td><td>Peak</td></tr><tr><td>0.009MHz-0.090MHz</td><td>Average</td><td>10kHz</td><td>30kHz</td><td>Average</td></tr><tr><td>0.090MHz-0.110MHz</td><td>Quasi-peak</td><td>10kHz</td><td>30kHz</td><td>Quasi-peak</td></tr><tr><td>0.110MHz-0.490MHz</td><td>Peak</td><td>10kHz</td><td>30kHz</td><td>Peak</td></tr><tr><td>0.110MHz-0.490MHz</td><td>Average</td><td>10kHz</td><td>30kHz</td><td>Average</td></tr><tr><td>0.490MHz -30MHz</td><td>Quasi-peak</td><td>10kHz</td><td>30kHz</td><td>Quasi-peak</td></tr><tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100 kHz</td><td>300kHz</td><td>Quasi-peak</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr><tr><td>Peak</td><td>1MHz</td><td>10kHz</td><td>Average</td></tr></table>					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
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:	(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. (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. (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. (4) For transmitters operating in the 5.725-5.85 GHz band: (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. <table><tr><th>EIRP(dBm)</th><th>Field Strength at 3m (dBμV/m)</th></tr><tr><td>-27(RMS)</td><td>68.2</td></tr><tr><td>-7(Peak)</td><td>88.2</td></tr></table> Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table: <table><tr><th>Frequency</th><th>Field strength (microvolt/meter)</th><th>Limit (dBuV/m)</th><th>Remark</th><th>Measurement distance (m)</th></tr><tr><td>0.009MHz-0.490MHz</td><td>2400/F(kHz)</td><td>-</td><td>-</td><td>300</td></tr><tr><td>0.490MHz-1.705MHz</td><td>24000/F(kHz)</td><td>-</td><td>-</td><td>30</td></tr><tr><td>1.705MHz-30MHz</td><td>30</td><td>-</td><td>-</td><td>30</td></tr><tr><td>30MHz-88MHz</td><td>100</td><td>40.0</td><td>Quasi-peak</td><td>3</td></tr><tr><td>88MHz-216MHz</td><td>150</td><td>43.5</td><td>Quasi-peak</td><td>3</td></tr></table>					EIRP(dBm)	Field Strength at 3m (dBμV/m)	-27(RMS)	68.2	-7(Peak)	88.2	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													
EIRP(dBm)	Field Strength at 3m (dBμV/m)																																																					
-27(RMS)	68.2																																																					
-7(Peak)	88.2																																																					
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																																																		



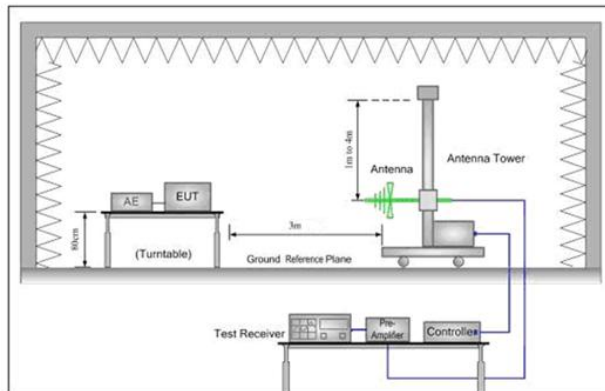


Figure 2. 30MHz to 1GHz

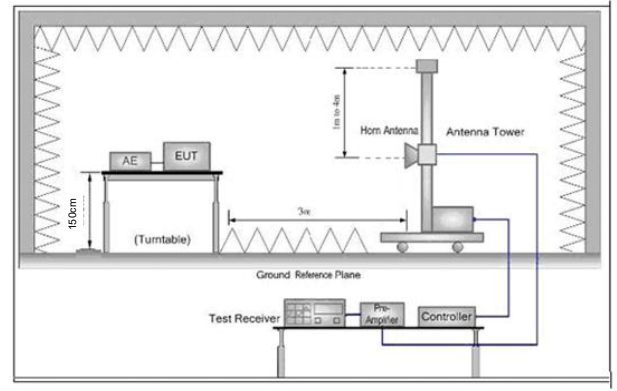


Figure 3. Above 1 GHz

Test Procedure:

- a. 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:
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.
- 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

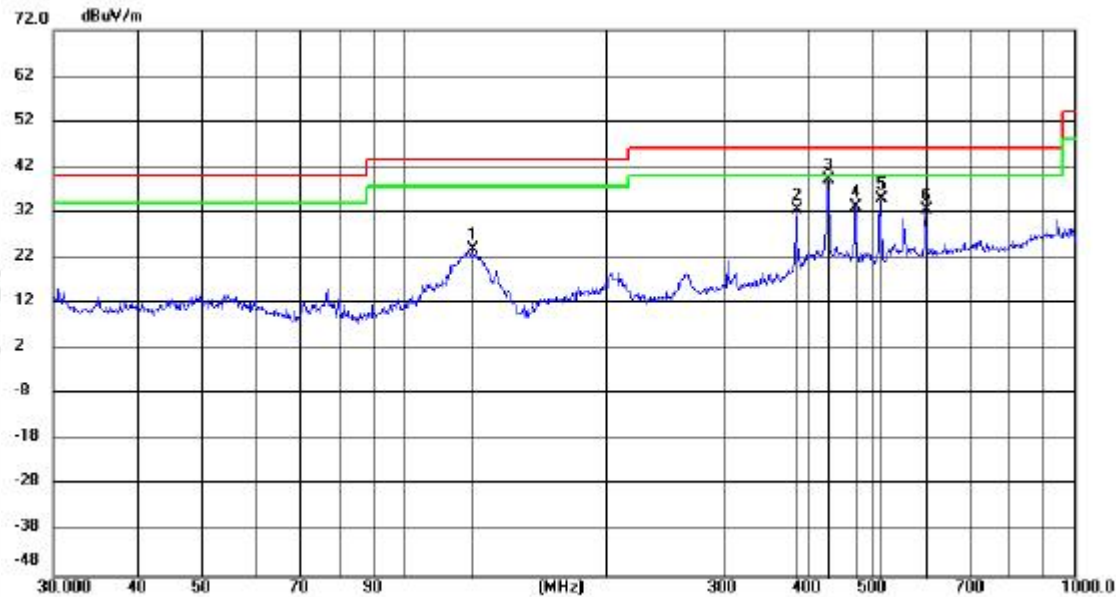
	channel h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. i. Repeat above procedures until all frequencies measured was complete.
Test Mode:	Transmitting mode with modulation
Test Results:	Pass

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.

Test Graph

Horizontal:

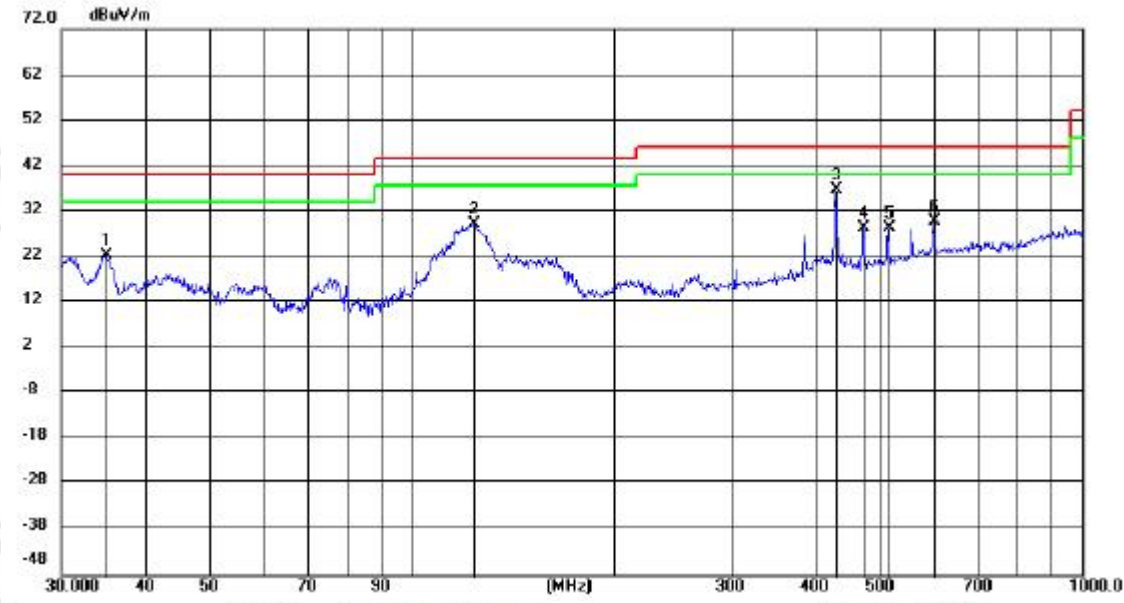


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	Comment
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	
1		126.6834	12.58	11.15	23.73	43.50	-19.77	QP	199	280
2		385.7536	13.32	19.17	32.49	46.00	-13.51	QP	100	128
3	*	428.6200	19.27	19.94	39.21	46.00	-6.79	QP	100	118
4		471.4315	12.66	20.46	33.12	46.00	-12.88	QP	199	72
5		514.3540	13.88	21.17	35.05	46.00	-10.95	QP	100	304
6		599.9520	9.32	23.35	32.67	46.00	-13.33	QP	199	322

Remark:

1. $\text{Margin} = \text{Measurement}(\text{Level}) - \text{Limit}$.
2. $\text{Measurement}(\text{Level}) = \text{Reading Level} + \text{Correct Factor}$.
3. In the test results, an asterisk (*) indicates Maximum Data, a cross (X) indicates over Limit, an exclamation mark (!) indicates over -6dB margin Limit.

Vertical:



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		35.1154	9.71	12.65	22.36	40.00	-17.64	QP	100	14
2		124.0677	18.01	11.32	29.33	43.50	-14.17	QP	100	57
3	*	428.6201	16.96	19.94	36.90	46.00	-9.10	QP	200	164
4		471.4316	7.86	20.46	28.32	46.00	-17.68	QP	200	206
5		514.3541	7.13	21.17	28.30	46.00	-17.70	QP	200	49
6		599.9521	6.36	23.35	29.71	46.00	-16.29	QP	100	57

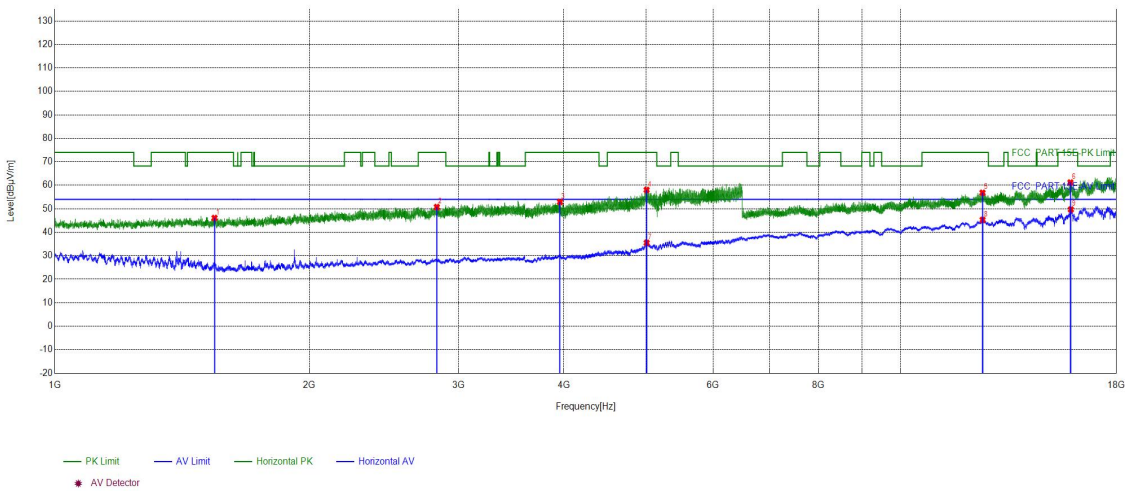
Remark:

- 1. $\text{Margin} = \text{Measurement(Level)} - \text{Limit}$.
- 2. $\text{Measurement(Level)} = \text{Reading Level} + \text{Correct Factor}$.
- 3. In the test results, an asterisk (*) indicates Maximum Data, a cross (X) indicates over Limit, an exclamation mark (!) indicates over -6dB margin Limit.

Transmitter Emission above 1GHz

Test_Mode	802.11 a Transmitting	Test_Frequency	5180MHz
Tset_Engineer	\	Test_Date	2026/9/9

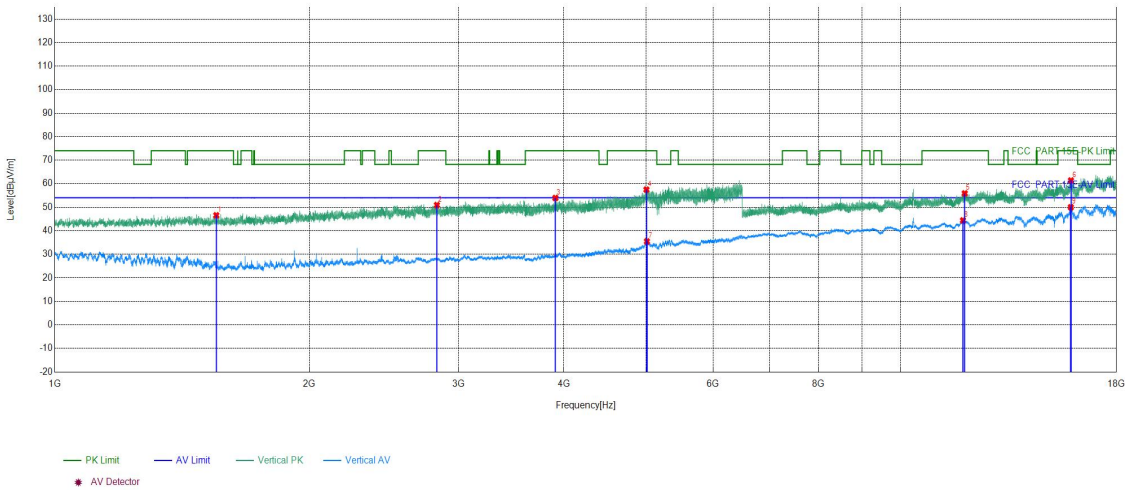
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1544.7418	13.62	32.46	46.08	74.00	27.92	PASS	Horizontal	PK
2	2829.3732	17.41	33.34	50.75	74.00	23.25	PASS	Horizontal	PK
3	3957.3583	21.60	31.30	52.90	74.00	21.10	PASS	Horizontal	PK
4	5009.0004	25.18	32.86	58.04	74.00	15.96	PASS	Horizontal	PK
5	12501.4001	4.52	52.31	56.83	74.00	17.17	PASS	Horizontal	PK
6	15882.0753	9.98	51.22	61.20	74.00	12.80	PASS	Horizontal	PK
7	5010.1004	25.20	10.30	35.50	54.00	18.50	PASS	Horizontal	AV
8	12504.1602	4.55	40.75	45.30	54.00	8.70	PASS	Horizontal	AV
9	15900.476	10.13	39.58	49.71	54.00	4.29	PASS	Horizontal	AV

Test_Mode	802.11 a Transmitting	Test_Frequency	5180MHz
Tset_Engineer	\	Test_Date	2026/9/9

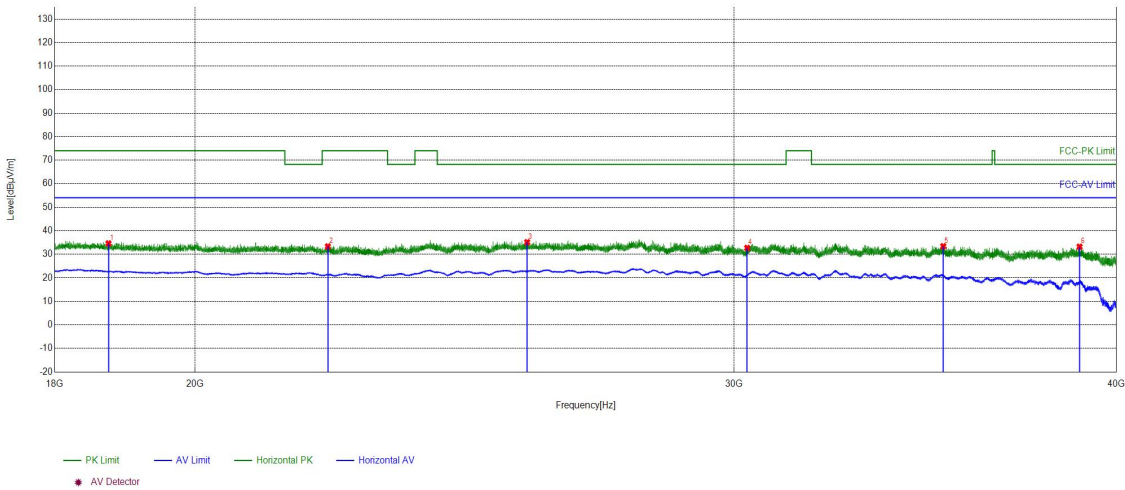
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1552.2221	13.63	32.94	46.57	74.00	27.43	PASS	Vertical	PK
2	2830.0332	17.42	33.49	50.91	74.00	23.09	PASS	Vertical	PK
3	3907.6363	21.15	32.78	53.93	74.00	20.07	PASS	Vertical	PK
4	5006.3603	25.12	32.36	57.48	74.00	16.52	PASS	Vertical	PK
5	11909.8164	2.99	52.88	55.87	74.00	18.13	PASS	Vertical	PK
6	15902.3161	10.11	51.25	61.36	74.00	12.64	PASS	Vertical	PK
7	5013.4005	25.16	10.30	35.46	54.00	18.54	PASS	Vertical	AV
8	11852.7741	3.11	41.29	44.40	54.00	9.60	PASS	Vertical	AV
9	15898.6359	10.12	39.85	49.97	54.00	4.03	PASS	Vertical	AV

Test_Mode	802.11 a Transmitting	Test_Frequency	5180MHz
Tset_Engineer	\	Test_Date	2026/9/9

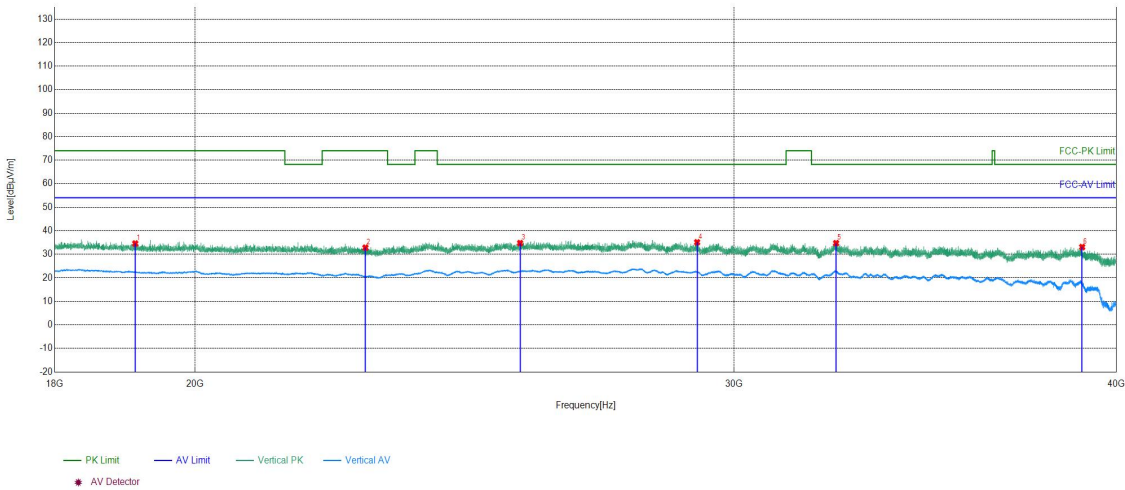
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	18741.8697	-26.41	61.00	34.59	74.00	39.41	PASS	Horizontal	PK
2	22103.6041	-25.60	58.90	33.30	74.00	40.70	PASS	Horizontal	PK
3	25679.1872	-20.75	55.86	35.11	68.20	33.09	PASS	Horizontal	PK
4	30300.252	-20.83	53.51	32.68	68.20	35.52	PASS	Horizontal	PK
5	35114.9246	-15.99	49.38	33.39	68.20	34.81	PASS	Horizontal	PK
6	38906.1162	-13.03	46.23	33.20	68.20	35.00	PASS	Horizontal	PK

Test_Mode	802.11 a Transmitting	Test_Frequency	5180MHz
Tset_Engineer	\	Test_Date	2026/9/9

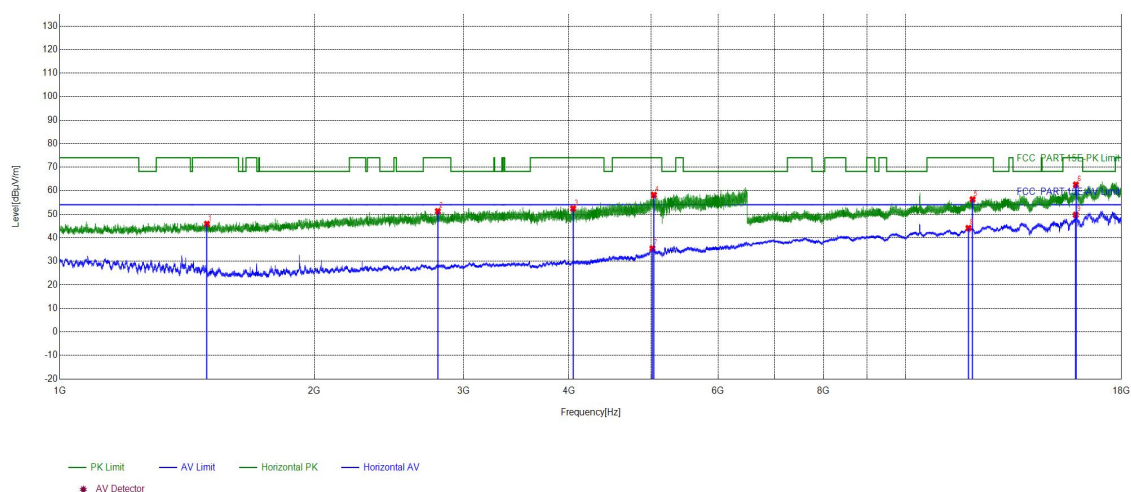
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	19122.9249	-26.15	60.71	34.56	74.00	39.44	PASS	Vertical	PK
2	22737.2295	-25.04	57.84	32.80	74.00	41.20	PASS	Vertical	PK
3	25542.7817	-20.92	55.66	34.74	68.20	33.46	PASS	Vertical	PK
4	29179.9672	-21.47	56.56	35.09	68.20	33.11	PASS	Vertical	PK
5	32395.6158	-18.06	52.78	34.72	68.20	33.48	PASS	Vertical	PK
6	38981.7993	-12.89	45.96	33.07	68.20	35.13	PASS	Vertical	PK

Test_Mode	802.11 a Transmitting	Test_Frequency	5200MHz
Tset_Engineer	\	Test_Date	2026/9/9

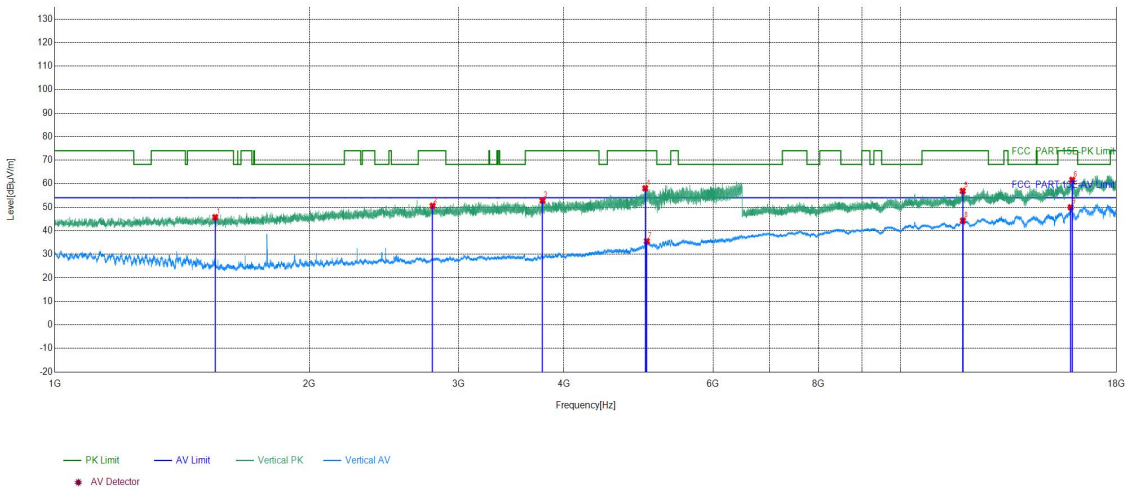
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1492.8197	13.49	32.38	45.87	74.00	28.13	PASS	Horizontal	PK
2	2799.012	17.37	33.88	51.25	74.00	22.75	PASS	Horizontal	PK
3	4044.9218	21.66	30.77	52.43	74.00	21.57	PASS	Horizontal	PK
4	5040.9016	25.41	32.77	58.18	74.00	15.82	PASS	Horizontal	PK
5	12003.2001	3.41	52.90	56.31	74.00	17.69	PASS	Horizontal	PK
6	15902.3161	10.11	52.45	62.56	74.00	11.44	PASS	Horizontal	PK
7	5020.2208	25.07	10.38	35.45	54.00	18.55	PASS	Horizontal	AV
8	11868.4147	3.09	41.01	44.10	54.00	9.90	PASS	Horizontal	AV
9	15896.3359	10.10	39.65	49.75	54.00	4.25	PASS	Horizontal	AV

Test_Mode	802.11 a Transmitting	Test_Frequency	5200MHz
Tset_Engineer	\	Test_Date	2026/9/9

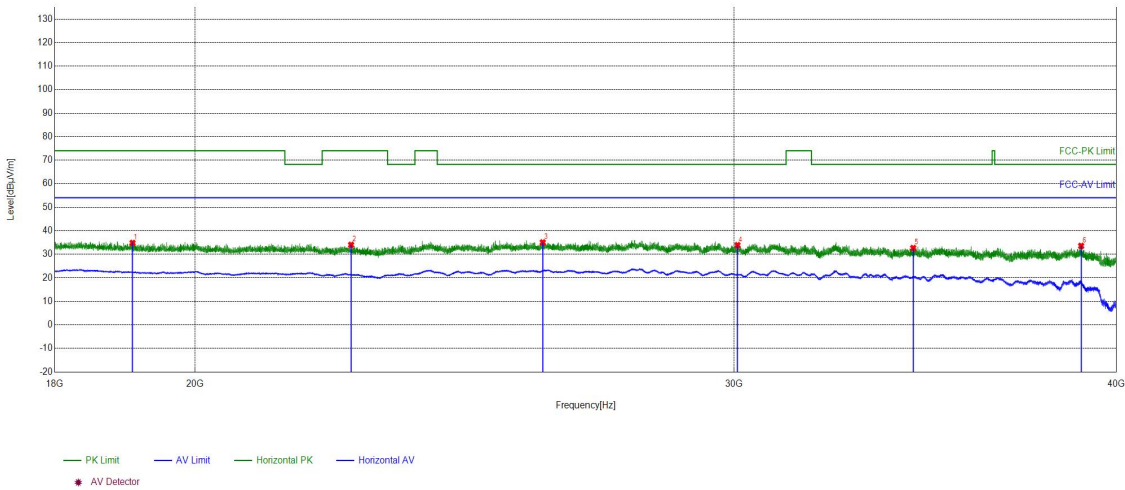
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1547.6019	13.62	32.12	45.74	74.00	28.26	PASS	Vertical	PK
2	2797.2519	17.38	33.20	50.58	74.00	23.42	PASS	Vertical	PK
3	3772.9909	20.78	32.02	52.80	74.00	21.20	PASS	Vertical	PK
4	4990.2996	24.92	33.14	58.06	74.00	15.94	PASS	Vertical	PK
5	11843.5737	3.00	53.92	56.92	74.00	17.08	PASS	Vertical	PK
6	15960.7384	9.88	51.72	61.60	74.00	12.40	PASS	Vertical	PK
7	5012.0805	25.17	10.39	35.56	54.00	18.44	PASS	Vertical	AV
8	11851.3941	3.11	41.18	44.29	54.00	9.71	PASS	Vertical	AV
9	15894.9558	10.08	39.88	49.96	54.00	4.04	PASS	Vertical	AV

Test_Mode	802.11 a Transmitting	Test_Frequency	5200MHz
Tset_Engineer	\	Test_Date	2026/9/9

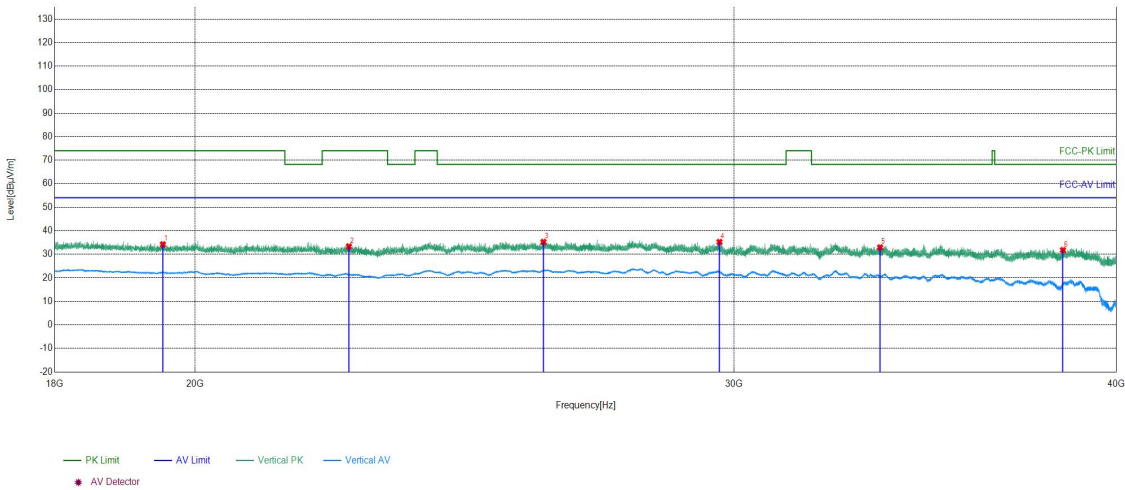
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	19084.2034	-26.18	60.98	34.80	74.00	39.20	PASS	Horizontal	PK
2	22493.4597	-25.05	59.05	34.00	74.00	40.00	PASS	Horizontal	PK
3	25981.0392	-20.89	55.91	35.02	68.20	33.18	PASS	Horizontal	PK
4	30080.2432	-21.18	55.04	33.86	68.20	34.34	PASS	Horizontal	PK
5	34329.9332	-17.28	49.91	32.63	68.20	35.57	PASS	Horizontal	PK
6	38951.8781	-12.95	46.50	33.55	68.20	34.65	PASS	Horizontal	PK

Test_Mode	802.11 a Transmitting	Test_Frequency	5200MHz
Tset_Engineer	\	Test_Date	2026/9/9

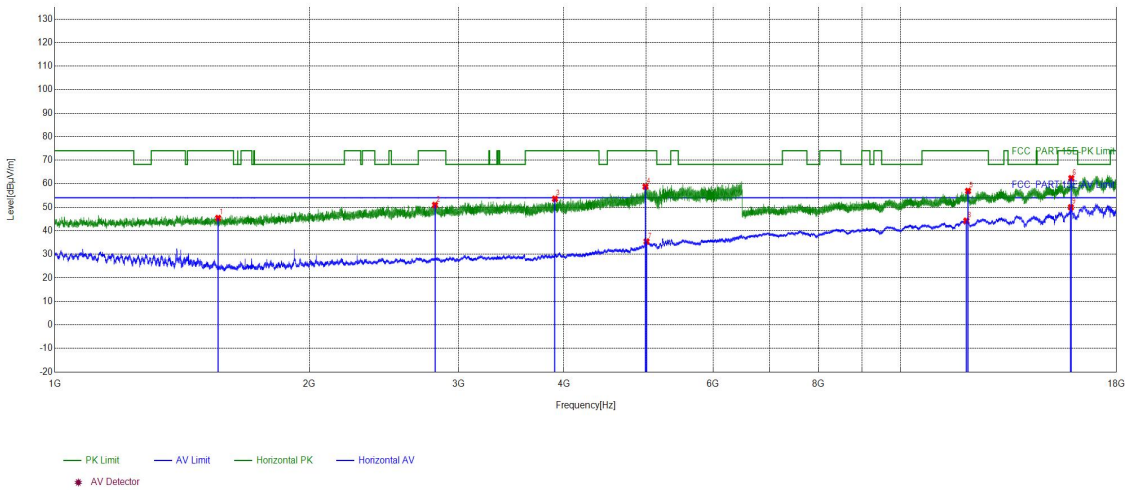
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	19524.221	-25.61	59.78	34.17	74.00	39.83	PASS	Vertical	PK
2	22456.4983	-25.08	58.39	33.31	74.00	40.69	PASS	Vertical	PK
3	25995.1198	-20.90	56.11	35.21	68.20	32.99	PASS	Vertical	PK
4	29675.427	-20.74	55.93	35.19	68.20	33.01	PASS	Vertical	PK
5	33485.9794	-17.78	50.67	32.89	68.20	35.31	PASS	Vertical	PK
6	38422.0969	-13.58	45.32	31.74	68.20	36.46	PASS	Vertical	PK

Test_Mode	802.11 a Transmitting	Test_Frequency	5240MHz
Tset_Engineer	\	Test_Date	2026/9/9

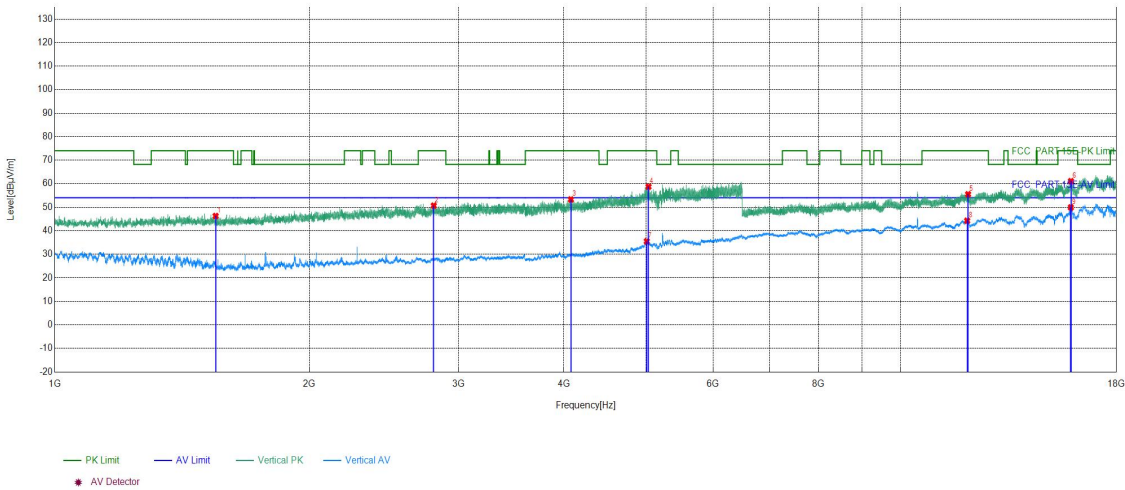
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1560.1424	13.69	31.70	45.39	74.00	28.61	PASS	Horizontal	PK
2	2815.5126	17.39	33.53	50.92	74.00	23.08	PASS	Horizontal	PK
3	3903.0161	21.05	32.51	53.56	74.00	20.44	PASS	Horizontal	PK
4	4993.3797	24.94	33.81	58.75	74.00	15.25	PASS	Horizontal	PK
5	12018.8408	3.50	53.41	56.91	74.00	17.09	PASS	Horizontal	PK
6	15919.3368	10.02	52.31	62.33	74.00	11.67	PASS	Horizontal	PK
7	5008.1203	25.16	10.27	35.43	54.00	18.57	PASS	Horizontal	AV
8	11961.3385	2.84	41.39	44.23	54.00	9.77	PASS	Horizontal	AV
9	15901.3961	10.12	39.83	49.95	54.00	4.05	PASS	Horizontal	AV

Test_Mode	802.11 a Transmitting	Test_Frequency	5240MHz
Tset_Engineer	\	Test_Date	2026/9/9

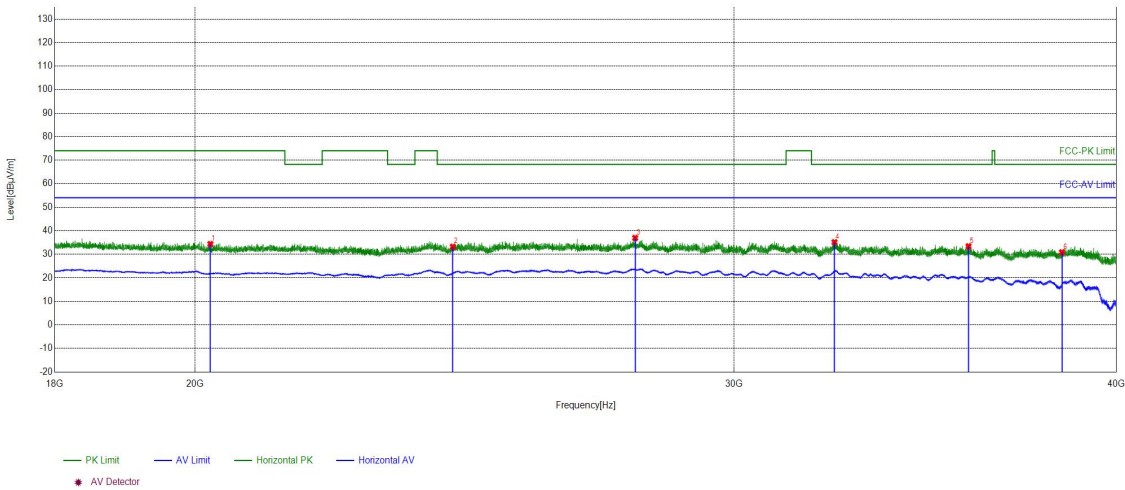
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1549.362	13.61	32.65	46.26	74.00	27.74	PASS	Vertical	PK
2	2805.8322	17.44	33.24	50.68	74.00	23.32	PASS	Vertical	PK
3	4075.723	21.81	31.49	53.30	74.00	20.70	PASS	Vertical	PK
4	5034.9614	25.34	33.40	58.74	74.00	15.26	PASS	Vertical	PK
5	12019.3008	3.50	52.01	55.51	74.00	18.49	PASS	Vertical	PK
6	15902.3161	10.11	50.97	61.08	74.00	12.92	PASS	Vertical	PK
7	5011.2004	25.18	10.31	35.49	54.00	18.51	PASS	Vertical	AV
8	11988.9396	3.23	41.04	44.27	54.00	9.73	PASS	Vertical	AV
9	15898.6359	10.12	39.80	49.92	54.00	4.08	PASS	Vertical	AV

Test_Mode	802.11 a Transmitting	Test_Frequency	5240MHz
Tset_Engineer	\	Test_Date	2026/9/9

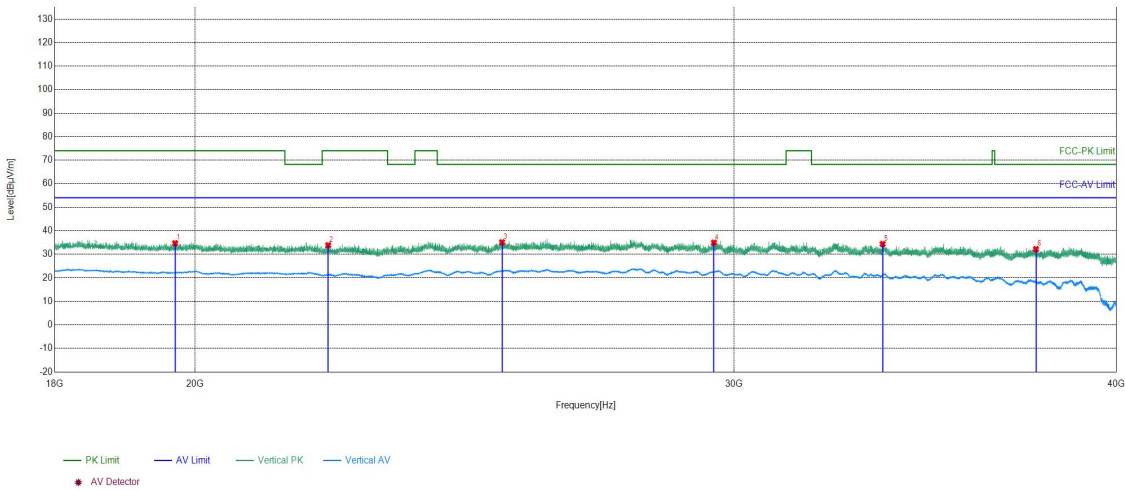
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	20234.4094	-25.50	59.83	34.33	74.00	39.67	PASS	Horizontal	PK
2	24281.6913	-22.25	55.43	33.18	68.20	35.02	PASS	Horizontal	PK
3	27851.9941	-21.09	58.03	36.94	68.20	31.26	PASS	Horizontal	PK
4	32356.8943	-18.31	53.42	35.11	68.20	33.09	PASS	Horizontal	PK
5	35789.0316	-16.72	50.08	33.36	68.20	34.84	PASS	Horizontal	PK
6	38393.9358	-13.54	44.34	30.80	68.20	37.40	PASS	Horizontal	PK

Test_Mode	802.11 a Transmitting	Test_Frequency	5240MHz
Tset_Engineer	\	Test_Date	2026/9/9

Test Graph

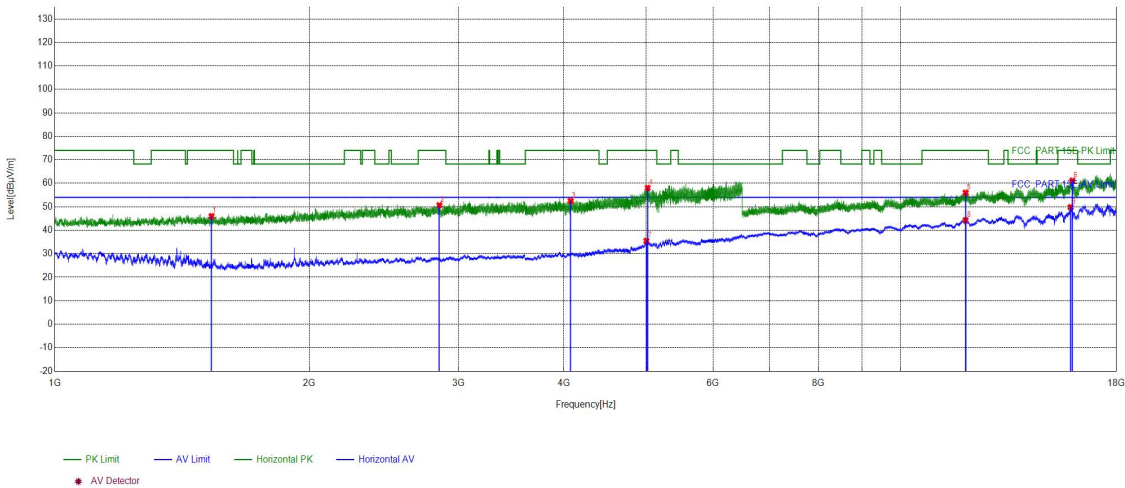


Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	19704.6282	-25.40	60.07	34.67	74.00	39.33	PASS	Vertical	PK
2	22108.8844	-25.58	59.40	33.82	74.00	40.18	PASS	Vertical	PK
3	25198.6879	-21.05	56.13	35.08	68.20	33.12	PASS	Vertical	PK
4	29552.2221	-20.77	55.69	34.92	68.20	33.28	PASS	Vertical	PK
5	33549.342	-17.52	51.87	34.35	68.20	33.85	PASS	Vertical	PK
6	37651.186	-14.95	47.11	32.16	68.20	36.04	PASS	Vertical	PK

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5180MHz
-----------	--------------------------------	----------------	---------

Tset_Engineer	\	Test_Date	2026/9/9
---------------	---	-----------	----------

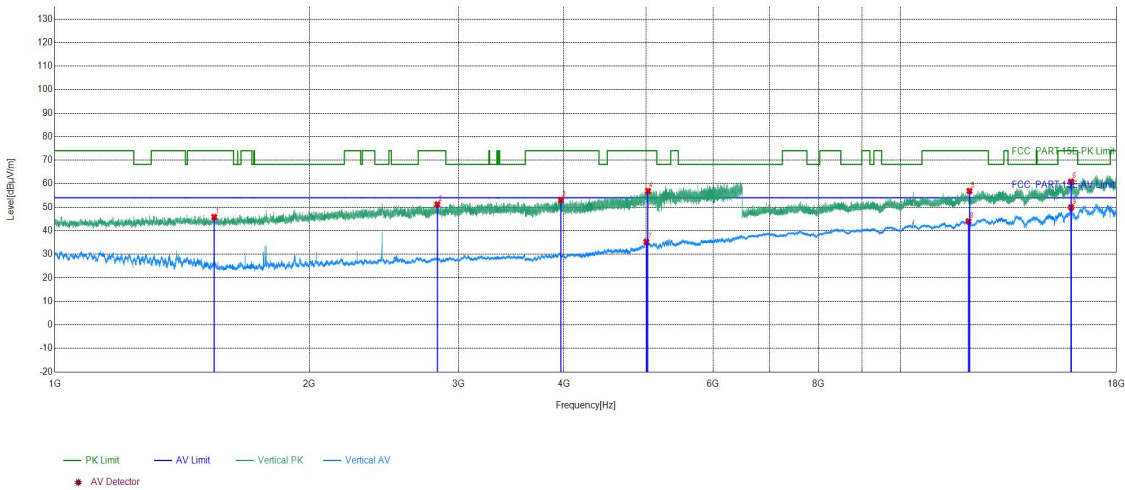
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1532.2013	13.63	32.36	45.99	74.00	28.01	PASS	Horizontal	PK
2	2849.174	17.47	33.16	50.63	74.00	23.37	PASS	Horizontal	PK
3	4073.0829	21.77	30.68	52.45	74.00	21.55	PASS	Horizontal	PK
4	5023.0809	25.14	32.89	58.03	74.00	15.97	PASS	Horizontal	PK
5	11940.1776	2.74	53.26	56.00	74.00	18.00	PASS	Horizontal	PK
6	15964.4186	9.88	51.24	61.12	74.00	12.88	PASS	Horizontal	PK
7	5006.1402	25.11	10.34	35.45	54.00	18.55	PASS	Horizontal	AV
8	11936.0374	2.78	41.48	44.26	54.00	9.74	PASS	Horizontal	AV
9	15891.2757	10.06	39.77	49.83	54.00	4.17	PASS	Horizontal	AV

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	\	Test_Date	2026/9/9

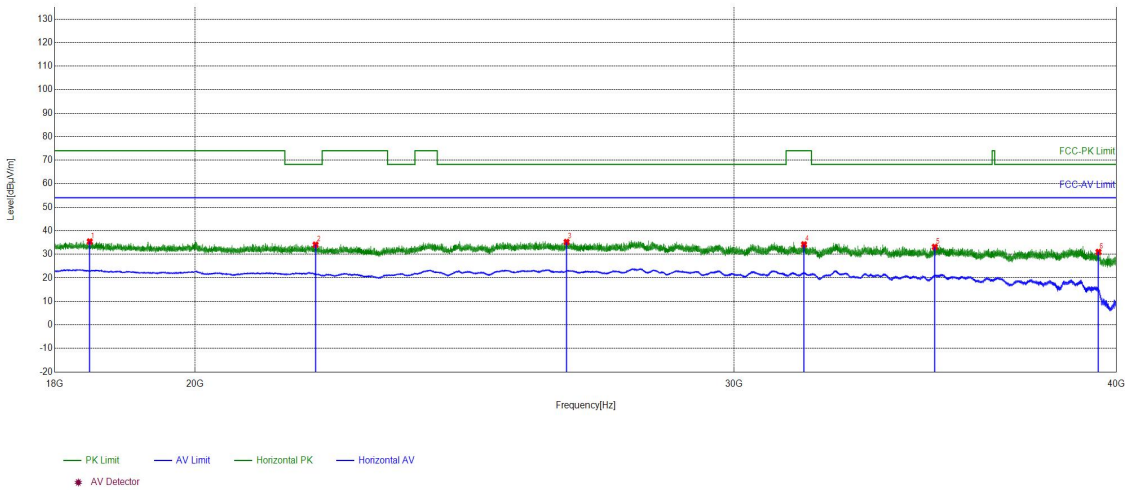
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1543.6417	13.63	32.22	45.85	74.00	28.15	PASS	Vertical	PK
2	2833.3333	17.47	33.70	51.17	74.00	22.83	PASS	Vertical	PK
3	3965.9386	21.49	31.62	53.11	74.00	20.89	PASS	Vertical	PK
4	5028.3611	25.26	31.62	56.88	74.00	17.12	PASS	Vertical	PK
5	12063.4625	3.47	53.43	56.90	74.00	17.10	PASS	Vertical	PK
6	15913.8166	10.05	50.86	60.91	74.00	13.09	PASS	Vertical	PK
7	5005.4802	25.10	10.19	35.29	54.00	18.71	PASS	Vertical	AV
8	12033.1013	3.58	40.39	43.97	54.00	10.03	PASS	Vertical	AV
9	15913.3565	10.05	39.86	49.91	54.00	4.09	PASS	Vertical	AV

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	\	Test_Date	2026/9/9

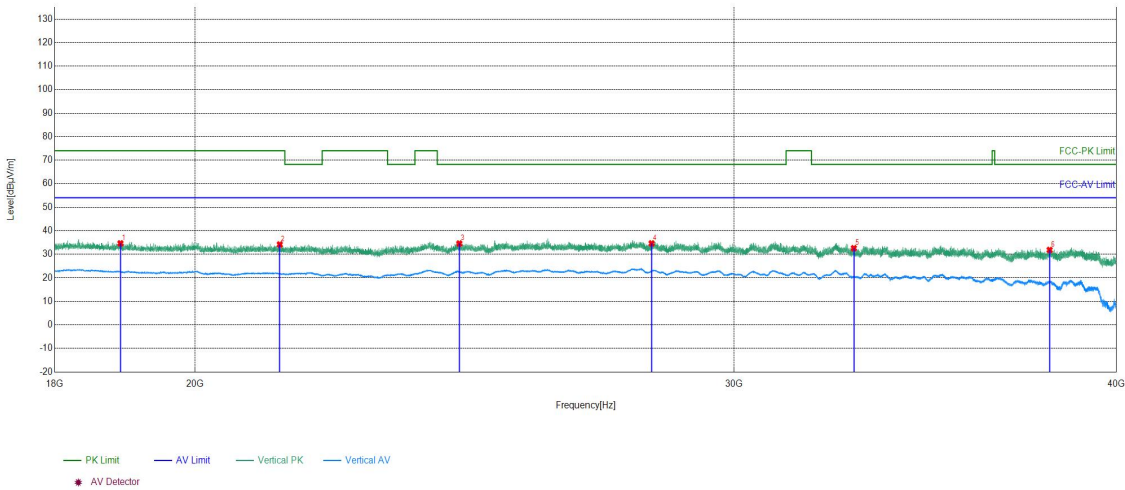
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	18479.6192	-26.70	62.11	35.41	74.00	38.59	PASS	Horizontal	PK
2	21900.316	-25.67	59.71	34.04	68.20	34.16	PASS	Horizontal	PK
3	26451.8581	-21.15	56.35	35.20	68.20	33.00	PASS	Horizontal	PK
4	31623.825	-19.66	53.84	34.18	74.00	39.82	PASS	Horizontal	PK
5	34892.2757	-16.31	49.41	33.10	68.20	35.10	PASS	Horizontal	PK
6	39464.0586	-13.91	44.87	30.96	68.20	37.24	PASS	Horizontal	PK

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5180MHz
Tset_Engineer	\	Test_Date	2026/9/9

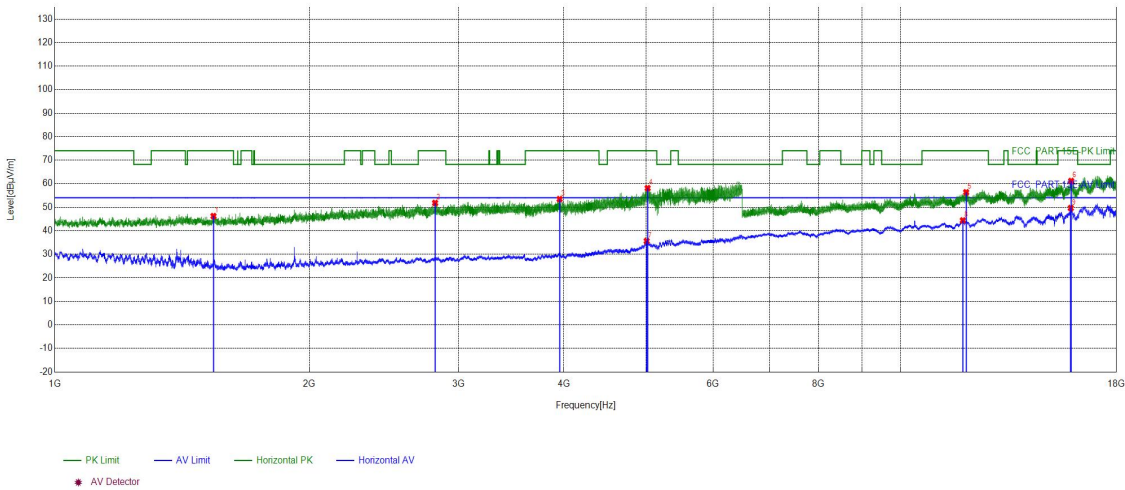
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	18910.8364	-26.28	60.90	34.62	74.00	39.38	PASS	Vertical	PK
2	21318.6127	-25.83	59.98	34.15	74.00	39.85	PASS	Vertical	PK
3	24401.3761	-21.68	56.24	34.56	68.20	33.64	PASS	Vertical	PK
4	28197.8479	-21.30	55.91	34.61	68.20	33.59	PASS	Vertical	PK
5	32831.2332	-18.74	51.32	32.58	68.20	35.62	PASS	Vertical	PK
6	38039.2816	-14.85	46.68	31.83	68.20	36.37	PASS	Vertical	PK

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5200MHz
Tset_Engineer	\	Test_Date	2026/9/9

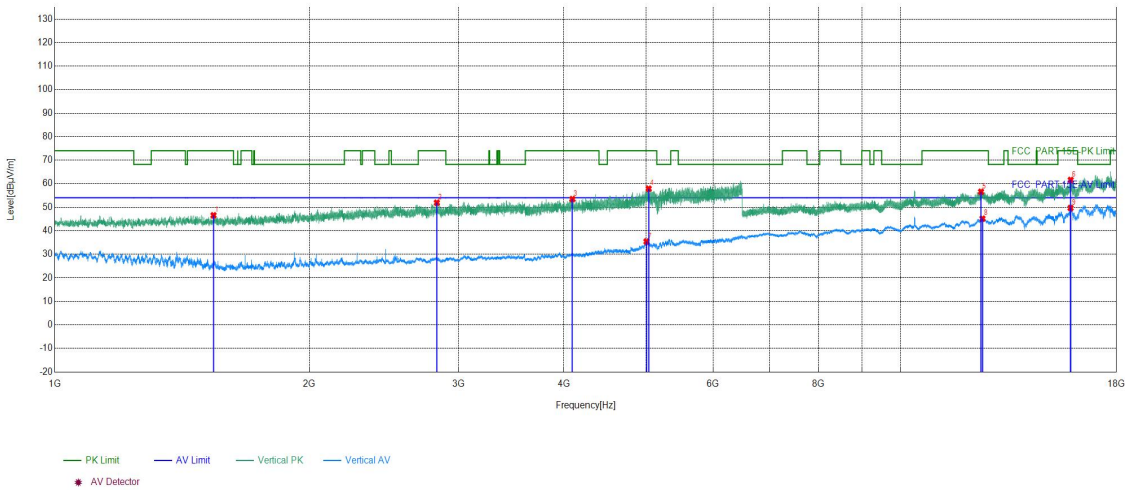
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1540.3416	13.63	32.60	46.23	74.00	27.77	PASS	Horizontal	PK
2	2816.1726	17.39	34.42	51.81	74.00	22.19	PASS	Horizontal	PK
3	3952.5181	21.56	31.90	53.46	74.00	20.54	PASS	Horizontal	PK
4	5022.8609	25.14	32.96	58.10	74.00	15.90	PASS	Horizontal	PK
5	11955.3582	2.74	53.60	56.34	74.00	17.66	PASS	Horizontal	PK
6	15912.8965	10.05	51.11	61.16	74.00	12.84	PASS	Horizontal	PK
7	5009.8804	25.20	10.41	35.61	54.00	18.39	PASS	Horizontal	AV
8	11848.1739	3.08	41.31	44.39	54.00	9.61	PASS	Horizontal	AV
9	15896.7959	10.11	39.54	49.65	54.00	4.35	PASS	Horizontal	AV

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5200MHz
Tset_Engineer	\	Test_Date	2026/9/9

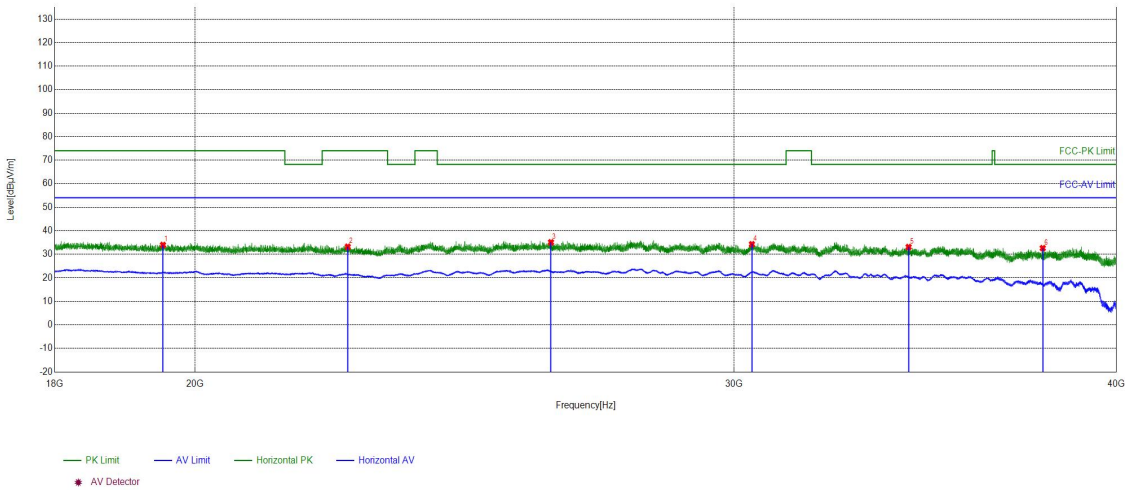
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1540.5616	13.63	32.93	46.56	74.00	27.44	PASS	Vertical	PK
2	2829.3732	17.41	34.51	51.92	74.00	22.08	PASS	Vertical	PK
3	4092.8837	22.09	31.37	53.46	74.00	20.54	PASS	Vertical	PK
4	5037.1615	25.36	32.53	57.89	74.00	16.11	PASS	Vertical	PK
5	12449.418	3.31	53.26	56.57	74.00	17.43	PASS	Vertical	PK
6	15894.0358	10.08	51.51	61.59	74.00	12.41	PASS	Vertical	PK
7	5006.8003	25.13	10.27	35.40	54.00	18.60	PASS	Vertical	AV
8	12499.1	4.48	40.66	45.14	54.00	8.86	PASS	Vertical	AV
9	15887.5955	10.03	39.65	49.68	54.00	4.32	PASS	Vertical	AV

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5200MHz
Tset_Engineer	\	Test_Date	2026/9/9

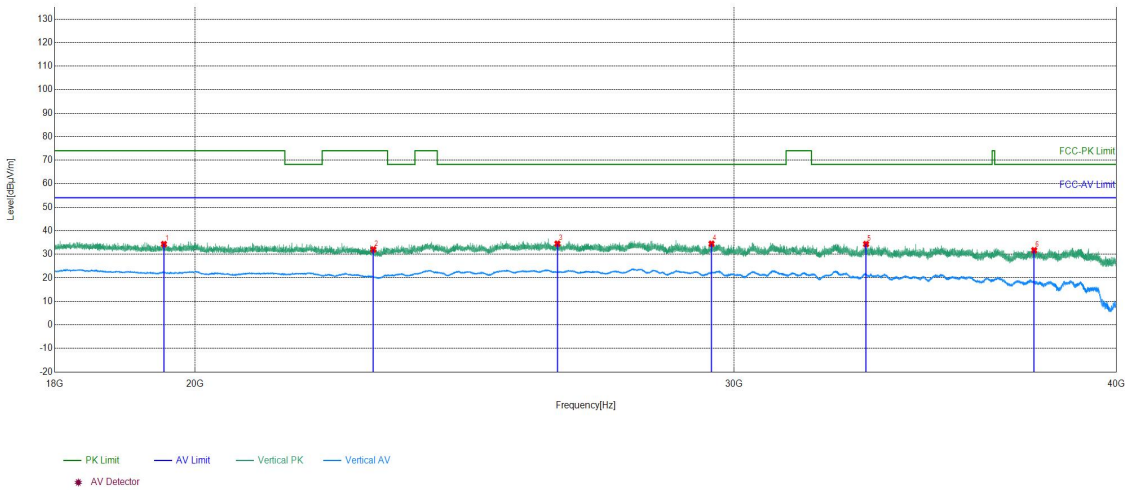
Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	19525.981	-25.60	59.55	33.95	74.00	40.05	PASS	Horizontal	PK
2	22437.1375	-25.08	58.27	33.19	74.00	40.81	PASS	Horizontal	PK
3	26142.9657	-21.23	56.31	35.08	68.20	33.12	PASS	Horizontal	PK
4	30407.6163	-20.34	54.60	34.26	68.20	33.94	PASS	Horizontal	PK
5	34212.0085	-17.38	50.44	33.06	68.20	35.14	PASS	Horizontal	PK
6	37843.0337	-15.24	47.84	32.60	68.20	35.60	PASS	Horizontal	PK

Test_Mode	802.11 n(HT20) Transmitting	Test_Frequency	5200MHz
Tset_Engineer	\	Test_Date	2026/9/9

Test Graph



Suspected List									
NO	Freq. [MHz]	Factor [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	19540.0616	-25.60	59.90	34.30	74.00	39.70	PASS	Vertical	PK
2	22873.6349	-25.29	57.32	32.03	74.00	41.97	PASS	Vertical	PK
3	26269.6908	-21.29	55.78	34.49	68.20	33.71	PASS	Vertical	PK
4	29498.5399	-20.96	55.42	34.46	68.20	33.74	PASS	Vertical	PK
5	33133.9654	-18.41	52.72	34.31	68.20	33.89	PASS	Vertical	PK
6	37601.024	-14.84	46.53	31.69	68.20	36.51	PASS	Vertical	PK