



RF Test Report

Applicant: NETPRISMA INC.

Address: 1301 6TH AVE, SEATTLE, WA, 98101-2304, UNITED STATES

Product: Multi-mode Smart LTE Module with Wi-Fi & Bluetooth

Model No.: SUA602-LD

Brand Name: Vrileg

FCC ID: 2BEY3SUA602LDA

Standards: FCC CFR47 Part 15E

Report No.: PD20250027-R3E

Issue Date: 2025/04/02

Test Result: PASS *

Testing performed at Hefei Panwin Technology Co., Ltd. on the above equipment indicates the product meets the requirements of the relevant standards.

Reviewed By: Jerry Zhang

Approved By: Alec Yang

Stee Jung

Hefei Panwin Technology Co., Ltd.

Floor 1, Zone E, Plant 2#, Mingzhu Industrial Park, No.106 Chuangxin Avenue, High-tech Zone, Hefei City, Anhui Province, China

TEL: +86-0551-63811775



Report No.: PD20250027-R3E

Report Version: 01

Revision History

Report No.	Version	Description	Issue Date	Note
PD20250027-R3E	1	Initial Report	2025/04/02	Valid



Report No.: PD20250027-R3E

Report Version: 01

CONTENTS

1 General Information	5
1.1 Notes of the Test Report	5
1.2 Test Facility	5
1.3 Testing Laboratory	5
2 General Description of Equipment under Test	6
2.1 Details of Application	6
2.2 General Information	6
2.3 Application Standards	7
3 Test Condition	8
3.1 Test Configuration	8
3.2 Wireless Technology and Frequency Range	9
3.3 Equipment List	11
3.4 Support Equipment List	12
3.5 Test Uncertainty	12
4 Test Items Description	13
4.1 6dB and 26dB and 99% Occupied Bandwidth Measurement	13
4.2 Maximum Conducted Output Power Measurement	15
4.3 Power Spectral Density Measurement	18
4.4 Unwanted Emissions Measurement	20
4.5 AC Conducted Emission Measurement	
4.6 Antenna Requirements	27
ANNEX A: Test Results of Conducted Test	28
ANNEX B: Test Results of Radiated Test	93
ANNEX C: The EUT Appearance	117
ANNEX D: Test Setup Photograph	118



Report No.: PD20250027-R3E

Report Version: 01

Summary of Test Results

No.	Test Case	FCC Rules	Verdict
1	Occupied Bandwidth Measurement	15.407(e)	PASS
2	Maximum Conducted Output Power Measurement	15.407(a)	PASS
3	Power Spectral Density Measurement	15.407(a)	PASS
4	Unwanted Emissions Measurement	15.407(b)	PASS
5	AC Conducted Emission Measurement	15.207	NA
6	Antenna Requirements	15.203 & 15.407(a)	PASS
7	Frequency Stability ^{Note1}	15.407(g)	NA

Date of Testing: 2025/03/04 to 2025/04/02 Date of Sample Received: 2025/02/28

- We, Hefei Panwin Technology Co., Ltd., would like to declare that the tested sample has been evaluated in accordance with the procedures given in applied standard(s) in **Section 2.3** of this report and shown compliance with the applicable technical standards.
- All indications of PASS/FAIL in this report are based on interpretations and/or observations of test results.

 Measurement Uncertainties were not taken into account and are published for informational purposes only.

 Note1: Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

Report No.: PD20250027-R3E

Report Version: 01

1 General Information

1.1 Notes of the Test Report

This report is invalid without signature of auditor and approver or with any alterations. The report shall not be partially reproduced without written approval of the testing company. Entrusted test results are only responsible for incoming samples. If there is any objection to the testing report, it shall be raised to the testing company within 15 days from the date of receiving the report. In the test results, "NA" means "not applicable", and the test items marked with " Δ " are subcontracted projects.

1.2 Test Facility

A2LA (Certificate Number: 6849.01)

Hefei Panwin Technology Co., Ltd. has been accredited by American Association for Laboratory Accreditation to perform measurement.

FCC (Designation Number: CN1361, Test Firm Registration Number: 473156)

Hefei Panwin Technology Co., Ltd. has been accredited on the US Federal Communications Commission list of test facilities recognized to perform measurements.

1.3 Testing Laboratory

Company Name	Hefei Panwin Technology Co., Ltd.		
Address	Floor 1, Zone E, Plant 2#, Mingzhu Industrial Park, No.106 Chuangxin Avenue, High-tech Zone, Hefei City, Anhui Province,China		
Telephone	+86-0551-63811775		
Post Code	230031		



Report No.: PD20250027-R3E

Report Version: 01

2 General Description of Equipment under Test

2.1 Details of Application

Applicant	NETPRISMA INC.
Applicant Address	1301 6TH AVE, SEATTLE, WA, 98101-2304, UNITED STATES
Manufacturer	NETPRISMA INC.
Manufacturer Address	1301 6TH AVE, SEATTLE, WA, 98101-2304, UNITED STATES

2.2 General Information

Product	Multi-mode Smart LTE Module with Wi-Fi & Bluetooth				
Model	SUA602-LD				
sn	Conducted: E1Y25BE3R000103 Radiated: E1Y25BE3R000052				
Hardware Version	R1.0				
Software Version	SUA602LDNA0101				
Antenna Type	External Antenna				
Max. Conducted Power	Wi-Fi 5G: 15.65dBm				
WLAN Mode Supported:	802.11a 802.11n 20M/40M 802.11ac 20M/40M/80M				
Antenna Gain	5150MHz to 5250MHz: -0.67dBi 5250MHz to 5350MHz: -0.19dBi 5470MHz to 5725MHz: 1.28dBi 5725MHz to 5850MHz: 1.10dBi				
Directional Gain	NA				
Test Band	U-NII-1(5150MHz-5250MHz) U-NII-2A(5250MHz-5350MHz) U-NII-2C(5470MHz-5725MHz) U-NII-3(5725MHz-5850MHz)				
Operating voltage	Typical 3.8Vdc				
Modulation Type	Modulation Type 802.11a/n/ac: BPSK;QPSK;16QAM;64QAM;256QAM				
Note: The declared of product on	osition for FUIT and/or Antanna procented in the report are provided by the				

Note: The declared of product specification for EUT and/or Antenna presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



Report No.: PD20250027-R3E

Report Version: 01

2.3 Application Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 15 Subpart E
- FCC KDB 789033 D02 General UN II Test Procedures New Rules v02r01
- ANSI C63.10-2013

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



Report No.: PD20250027-R3E

Report Version: 01

3 Test Condition

3.1 Test Configuration

Test mode

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). The worst cases were recorded in this report.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes (Z, X, Y axis), receiver antenna polarization (horizontal and vertical), the worst emission was found in Z position and the worst case was recorded. This report presents the data for the worst polarity.

Test Mode	Data Rate(Mbps)
802.11a	6
802.11n 20M	MCS0
802.11n 40M	MCS0
802.11ac 20M	MCS0
802.11ac 40M	MCS0
802.11ac 80M	MCS0



Report No.: PD20250027-R3E

Report Version: 01

3.2 Wireless Technology and Frequency Range

Wireless Technology	Band	lwidth	Channel	Frequency
			36	5180 MHz
		20MHz	40	5200 MHz
		ZUIVINZ	44	5220 MHz
	U-NII-1		48	5240 MHz
		40MHz	38	5190 MHz
		40IVITZ	46	5230 MHz
		80MHz	42	5210 MHz
			52	5260 MHz
		20MHz	56	5280 MHz
		ZUIVIHZ	60	5300 MHz
	U-NII-2A		64	5320 MHz
		40MHz	54	5270 MHz
		40IVIH2	62	5310 MHz
		80MHz	58	5290 MHz
			100	5500 MHz
			104	5520 MHz
			108	5540 MHz
Wi-Fi			112	5560 MHz
VVI-F1			116	5580 MHz
		2011	120	5600 MHz
		20MHz	124	5620 MHz
			128	5640 MHz
			132	5660 MHz
			136	5680 MHz
	U-NII-2C		140	5700 MHz
			144	5720 MHz
			102	5510 MHz
			110	5550 MHz
		400411-	118	5590 MHz
		40MHz	126	5630 MHz
			134	5670 MHz
			142	5710 MHz
			106	5530 MHz
		80MHz	122	5610 MHz
			138	5690 MHz
	U-NII-3	20MHz	149	5745 MHz



Report No.: PD20250027-R3E Report Version: 01

Does this device support TDWR b	nd?	Yes □ No		
Does this device support TPC fun	ion?	⁄es	□ No	
	80MHz	15	55 577	5 MHz
	40IVITZ		579	5 MHz
	40MHz	15	575	5 MHz
		16	582	5 MHz
		16	580	5 MHz
		15	578	5 MHz
		15	576	5 MHz



Report No.: PD20250027-R3E

Report Version: 01

3.3 Equipment List

Conducted

Instrument	Manufacturer	Model	Asset No.	Cal. Interval	Cal. Due Date
Spectrum Analyzer	KEYSIGHT	N9020B	PWC0048	1 Year	2025/09/11
RF Control Unit	Tonseced	JS0806-2	PWC0055	1	/
DC Power	Keysight	E3640A	PWC0046	1 Year	2025/09/12
Shielded Chamber	Maorui	MR543	PWC0041	3 Years	2026/08/26
Test Software	Tonseced	JS1120-3 V3.2.22	1	1	/

Radiated

Instrument	Manufacturer	Model	Asset No.	Cal. Interval	Cal. Due Date
EMI Test Receiver	R&S	ESR7	PWB0023	1 Year	2025/09/11
Spectrum Analyzer	R&S	FSV3044	PWB0024	1 Year	2025/09/11
Loop Antenna	R&S	HFH2-Z2E	PWB0026	1 Year	2025/09/13
TRILOG Broadband	Schwarzbeck	VULB9162	PWB0029	1 Year	2025/09/09
Double-Ridged Guide Antenna	ETS-Lindgren	3117	PWB0031	1 Year	2025/09/26
k Type Horn Antenna	Steatite Antennas	QMS-00880	PWB0035	1 Year	2025/09/08
Pre-Amplifier	R&S	SCU40F1	PWB0036	1 Year	2025/09/11
Pre-Amplifier	COM-MW	DLNA8	PWB0094	1 Year	2025/09/11
Pre-Amplifier	R&S	SCU18F	PWB0034	1 Year	2025/09/11
Pre-Amplifier	R&S	OSP220 (OSP-B155G)	PWB0042	1 Year	2025/09/11
Anechoic Chamber	ETS.LINDGREN	Fact 3-2m	PWB0003	3 Years	2026/06/05
Test Software	Tonscend	JS36	1	1	1



Report No.: PD20250027-R3E

Report Version: 01

3.4 Support Equipment List

Equipment	Manufacturer	Description	Model	Serial Number
EVB	NETPRISMA INC.	1	Q1-A0770	MPY24F82X000232 MPY24F82X000193
Adapter	Shenzhen Keyu Power Supply Technology Co.,Ltd	AC to DC power supply to EVB	KA180A-0503000DE	/

3.5 Test Uncertainty

No.	Parameter	Uncertainty
1	Emission Bandwidth	1.9%
2	Occupied channel bandwidth	1.9%
3	Min emission bandwidth	1.9%
4	Havented Emissions Management	9kHz-7GHz: 1.21dB
4	Unwanted Emissions Measurement	7GHz-40GHz: 3.31dB
5	Redicted Rand Edges and Spurious Emission	Below 1GHz: 4.88 dB
5	Radiated Band Edges and Spurious Emission	Above 1GHz: 5.06 dB
6	Temperature	3 °C
7	Humidity	1.3 %
8	Supply voltages	0.006 V



Report No.: PD20250027-R3E

Report Version: 01

4 Test Items Description

Ambient condition

Shielded Chamber

Temperature [°C]	20.7 to 26.1
Humidity [%RH]	31 to 44
Pressure [kPa]	101.4 to 103.1

Anechoic Chamber

Temperature [°C]	20.3 to 22.3		
Humidity [%RH]	32 to 48		
Pressure [kPa]	99.5 to 102.3		

4.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

4.1.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

The minimum 6 dB bandwidth shall be at least 500 kHz 26dB and 99% Occupied bandwidth are reporting only.

4.1.2 Measuring Instruments

The measuring equipment is listed in the section 3.3 of this test report.

4.1.3 Test Procedures

- 1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01Section C) Emission bandwidth.
- 2. For 6dB BW, Set RBW = 100kHz.

For 26dB BW, Set RBW = approximately 1% of the emission bandwidth.

For 99% OBW, Set RBW = 1% to 5% of the OBW.

3. For 26dB BW. Set the VBW > RBW.

For 6dB BW & 99% OBW. Set the VBW ≥ 3 × RBW

- 4. Detector = Peak.
- 5. Trace mode = max hold
- 6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer, Readjust RBW and repeat measurements needed until the RBW/EBW ratio is approximately 1%.
- 7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set1% to 5% of the OBW and set the Video bandwidth (VBW) ≥ 3* RBW.
- 8. Measure and record the results in the test report.



Report No.: PD20250027-R3E

Report Version: 01

4.1.4 Test Setup



4.1.5 Test Results

See ANNEX A.1.



Report No.: PD20250027-R3E

Report Version: 01

4.2 Maximum Conducted Output Power Measurement

4.2.1 Limit of Maximum Conducted Output Power

<FCC 14 -30 CFR 15.407>

For the band 5.15-5.25 GHz.

- (i) For an outdoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
- (ii) For an indoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (iii) For fixed point-to-point access points operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U–NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U–NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
- (iv) For client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (2)For the 5.25 5.35 GHz and 5.47 5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (3)For the band 5.725–5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.



Report No.: PD20250027-R3E

Report Version: 01

4.2.2 Measuring Instruments

The measuring equipment is listed in the section 3.3 of this test report.

4.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep):

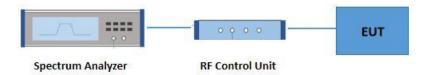
- Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- 2. Set RBW = 1 MHz.
- 3. Set VBW \geq 3 MHz.
- 4. Number of points in sweep ≥ 2 × span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)
- 5. Sweep time = auto.
- 6. Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
- 7. If transmit duty cycle < 98%, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 98%, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run."
- 8. Trace average at least 100 traces in power averaging (rms) mode.
- 9. Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.



Report No.: PD20250027-R3E

Report Version: 01

4.2.4 Test Setup



4.2.5 Test Result of Maximum Conducted Output Power

Please refer to ANNEX A.2.



Report No.: PD20250027-R3E

Report Version: 01

4.3 Power Spectral Density Measurement

4.3.1 Limit of Power Spectral Density

Rule FCC Part 15.407(a)(1)/ Part 15.407(a)(2)/Part 15.407(a)(3

For an indoor access point operating in the band 5.15–5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the 5.25-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.3.2 Measuring Instruments

The measuring equipment is listed in the section 3.3 of this test report.

4.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section F) Maximum power spectral density.

- 1.Measure the duty cycle.
- 2.Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 3.Set RBW ≥ 1/T, where T is defined in II.B.l.a).
- 4.Set VBW ≥ 3 RBW.
- 5.If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- 6.If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10 log (1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- 7. Care must be taken to ensure that the measurements are performed during a period of continuous

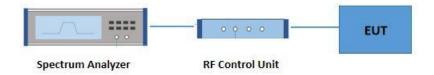


Report No.: PD20250027-R3E

Report Version: 01

transmission or are corrected upward for duty cycle.

4.3.4 Test Setup



4.3.5 Test Result of Power Spectral Density

Please refer to ANNEX A.3.



Report No.: PD20250027-R3E

Report Version: 01

4.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

4.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of-27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5725 MHz band: all emissions outside of the 5470-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(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 15.6dBm/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.

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30-88	100	3
88 -216	150	3
216 - 960	200	3
Above 960	500	3



Report No.: PD20250027-R3E

Report Version: 01

EIRP (dBm)	Field Strength at 3m (dB μ V/m)		
- 27	68.2		

Note: The following formula is used to convert the EIRP to field strength.

EIRP =
$$E_{Meas}$$
 + 20log (d_{Meas}) -104.7

where

EIRP is the equivalent isotropically radiated power, in dBm

 E_{Meas} is the field strength of the emission at the measurement distance, in $dB_{\mu}V/m$

d_{Meas} is the measurement distance, in m

4.4.2 Measuring Instruments

The measuring equipment is listed in the section 3.3 of this test report.

4.4.3 Test Procedures

 The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section G) Unwanted emissions measurement.

(1)Procedure for Unwanted Emissions Measurements Below 1000MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2)Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

- RBW= 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

(3)Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
- 2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
- 3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- 4.. The antenna is a broadband antenna and its height is adjusted between one meter and four.



Report No.: PD20250027-R3E

Report Version: 01

meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.

- 5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- 6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
- 7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

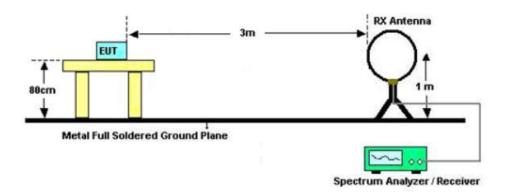


Report No.: PD20250027-R3E

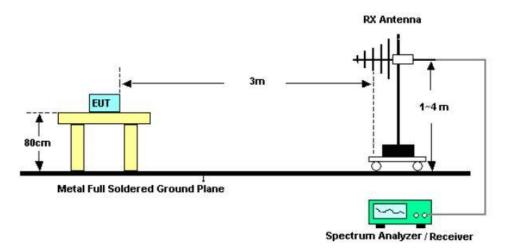
Report Version: 01

4.4.4 Test Setup

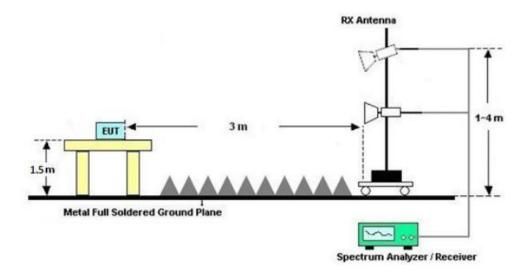
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz





Report No.: PD20250027-R3E

Report Version: 01

4.4.5Test Results of Radiated Spurious Emissions (9 kHz - 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

4.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to ANNEX B.1.

4.4.7 Test Result of Radiated Spurious Emissions (30MHz - 10th Harmonic or 40GHz whichever is lower)

Please refer to ANNEX B.1

4.4.8 Duty Cycle

Please refer to ANNEX A.4.



Report No.: PD20250027-R3E

Report Version: 01

4.5 AC Conducted Emission Measurement

4.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)			
r requericy of emission (wiriz)	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.

4.5.2 Measuring Instruments

The section 3.3 of List of Measuring Equipment of this test report is used for test.

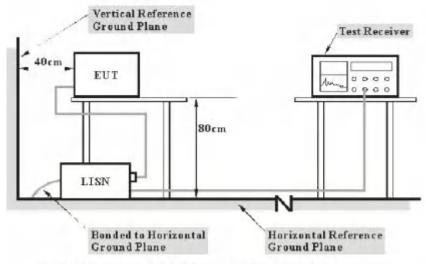
4.5.3 Test Procedures

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth =9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

Report No.: PD20250027-R3E

Report Version: 01

4.5.4 Test Setup



Note: 1. Support units were connected to second LISN.

4.5.5 Uncertainty Measurement

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT. The listed uncertainties are the worst case uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results.

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

CASE	Uncertainty
Continuous Emission (AC port)	2.92 dB

4.5.6 Test Result

Remark: The product is DC powered, this test item is not applicable.

Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.



Report No.: PD20250027-R3E

Report Version: 01

4.6 Antenna Requirements

4.6.1 Standard Applicable

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.

15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and(b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.6.2 Antenna Anti-Replacement Construction

The antenna is External on the main PCB and no consideration of replacement. The best case gain of the antenna is 1.28dBi.





Report No.: PD20250027-R3E

Report Version: 01

ANNEX A: Test Results of Conducted Test

A.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

Test Result_26dB Bandwidth

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.480	5169.520	5191.000		
11A	Ant1	5220	22.000	5208.960	5230.960		
11A	Ant1	5240	22.080	5229.000	5251.080		
11A	Ant1	5260	21.320	5249.400	5270.720		
11A	Ant1	5300	23.080	5288.800	5311.880		
11A	Ant1	5320	22.080	5309.000	5331.080		
11A	Ant1	5500	22.160	5488.680	5510.840		
11A	Ant1	5580	21.160	5569.560	5590.720		
11A	Ant1	5700	21.480	5689.320	5710.800		
11A	Ant1	5720	22.600	5709.240	5731.840		
11A	Ant1	5720_UNII-2C	15.76	5709.240	5725		
11A	Ant1	5720_UNII-3	6.84	5725	5731.840		
11A	Ant1	5745	21.680	5734.040	5755.720		
11A	Ant1	5785	21.160	5774.560	5795.720		
11A	Ant1	5825	21.520	5814.560	5836.080		
11N20SISO	Ant1	5180	23.160	5168.680	5191.840		
11N20SISO	Ant1	5220	23.000	5208.720	5231.720		
11N20SISO	Ant1	5240	22.680	5229.080	5251.760		
11N20SISO	Ant1	5260	21.960	5249.160	5271.120		
11N20SISO	Ant1	5300	22.160	5288.720	5310.880		
11N20SISO	Ant1	5320	22.320	5308.680	5331.000		
11N20SISO	Ant1	5500	22.480	5488.680	5511.160		
11N20SISO	Ant1	5580	22.760	5568.720	5591.480		
11N20SISO	Ant1	5700	21.840	5688.920	5710.760		
11N20SISO	Ant1	5720	22.800	5708.720	5731.520		
11N20SISO	Ant1	5720_UNII-2C	16.28	5708.720	5725		
11N20SISO	Ant1	5720_UNII-3	6.52	5725	5731.520		
11N20SISO	Ant1	5745	22.240	5733.840	5756.080		
11N20SISO	Ant1	5785	21.880	5774.040	5795.920		
11N20SISO	Ant1	5825	21.880	5813.920	5835.800		
11N40SISO	Ant1	5190	41.440	5169.120	5210.560		
11N40SISO	Ant1	5230	40.960	5210.000	5250.960		
11N40SISO	Ant1	5270	40.720	5249.840	5290.560		



Report No.: PD20250027-R3E Report Version: 01

11N4OSISO Ant1 5310 41.120 5289.440 5330.560 11N4OSISO Ant1 5510 40.720 5489.760 5530.480 11N4OSISO Ant1 5550 40.960 5529.600 5570.560 11N4OSISO Ant1 5670 41.440 5649.440 5680.880 11N4OSISO Ant1 5710_UNII-2C 35.24 5689.760 5730.480 11N4OSISO Ant1 5710_UNII-3 5.48 5725 5730.480 11N4OSISO Ant1 5710_UNII-3 5.48 5725 5730.480 11N4OSISO Ant1 5755 41.040 5734.600 5775.640 11N4OSISO Ant1 5795 40.800 5774.520 5815.320 11N4C2OSISO Ant1 5280 23.320 5168.400 5191.720
11N40SISO Ant1 5550 40,960 5529,600 5570,560
11N40SISO Ant1 5670 41.440 5649.440 5690.880 11N40SISO Ant1 5710 40.720 5689.760 5730.480 11N40SISO Ant1 5710_UNII-2C 35.24 5689.760 5725 11N40SISO Ant1 5710_UNII-3 5.48 5725 5730.480 11N40SISO Ant1 5755 41.040 5734.600 5775.640 11N40SISO Ant1 5795 40.800 5774.520 5815.320 11AC20SISO Ant1 5180 23.320 5168.400 5191.720 11AC20SISO Ant1 5220 23.120 5208.560 5231.680 11AC20SISO Ant1 5240 23.040 5228.680 5251.720 11AC20SISO Ant1 5300 23.080 5288.680 5311.760
11N40SISO Ant1 5710 40.720 5689.760 5730.480
11N40SISO Ant1 5710_UNII-2C 35.24 5689.760 5725 11N40SISO Ant1 5710_UNII-3 5.48 5725 5730.480 11N40SISO Ant1 5755 41.040 5734.600 5775.640 11N40SISO Ant1 5795 40.800 5774.520 5815.320 11AC20SISO Ant1 5180 23.320 5168.400 5191.720 11AC20SISO Ant1 5220 23.120 5208.560 5231.680 11AC20SISO Ant1 5240 23.040 5228.680 5251.720 11AC20SISO Ant1 5260 23.040 5248.760 5271.800 11AC20SISO Ant1 5300 23.080 5288.680 5311.760 11AC20SISO Ant1 5320 22.720 5308.720 5331.440
11N40SISO Ant1 5710_UNII-3 5.48 5725 5730.480 11N40SISO Ant1 5755 41.040 5734.600 5775.640 11N40SISO Ant1 5795 40.800 5774.520 5815.320 11AC20SISO Ant1 5180 23.320 5168.400 5191.720 11AC20SISO Ant1 5220 23.120 5208.560 5231.680 11AC20SISO Ant1 5240 23.040 5228.680 5251.720 11AC20SISO Ant1 5260 23.040 5248.760 5271.800 11AC20SISO Ant1 5300 23.080 5288.680 5311.760 11AC20SISO Ant1 5320 22.720 5308.720 5331.440 11AC20SISO Ant1 5500 22.080 5488.720 5510.800
11N40SISO Ant1 5755 41.040 5734.600 5775.640
11N40SISO Ant1 5795 40.800 5774.520 5815.320 11AC20SISO Ant1 5180 23.320 5168.400 5191.720 11AC20SISO Ant1 5220 23.120 5208.560 5231.680 11AC20SISO Ant1 5240 23.040 5228.680 5251.720 11AC20SISO Ant1 5260 23.040 5248.760 5271.800 11AC20SISO Ant1 5300 23.080 5288.680 5311.760 11AC20SISO Ant1 5320 22.720 5308.720 5331.440 11AC20SISO Ant1 5500 22.080 5488.720 5510.800 11AC20SISO Ant1 5580 22.720 5568.680 5591.400 11AC20SISO Ant1 5700 22.160 5688.800 5710.960
11AC20SISO Ant1 5180 23.320 5168.400 5191.720
11AC20SISO Ant1 5220 23.120 5208.560 5231.680 11AC20SISO Ant1 5240 23.040 5228.680 5251.720 11AC20SISO Ant1 5260 23.040 5248.760 5271.800 11AC20SISO Ant1 5300 23.080 5288.680 5311.760 11AC20SISO Ant1 5320 22.720 5308.720 5331.440 11AC20SISO Ant1 5500 22.080 5488.720 5510.800 11AC20SISO Ant1 5580 22.720 5568.680 5591.400 11AC20SISO Ant1 5700 22.160 5688.800 5710.960 11AC20SISO Ant1 5720 22.120 5708.880 5731.000 11AC20SISO Ant1 5720_UNII-2C 16.12 5708.880 5725
11AC20SISO Ant1 5240 23.040 5228.680 5251.720 11AC20SISO Ant1 5260 23.040 5248.760 5271.800 11AC20SISO Ant1 5300 23.080 5288.680 5311.760 11AC20SISO Ant1 5320 22.720 5308.720 5331.440 11AC20SISO Ant1 5500 22.080 5488.720 5510.800 11AC20SISO Ant1 5580 22.720 5568.680 5591.400 11AC20SISO Ant1 5700 22.160 5688.800 5710.960 11AC20SISO Ant1 5720 22.120 5708.880 5731.000 11AC20SISO Ant1 5720_UNII-2C 16.12 5708.880 5725 11AC20SISO Ant1 5745 22.360 5733.880 5756.240
11AC20SISO Ant1 5260 23.040 5248.760 5271.800 11AC20SISO Ant1 5300 23.080 5288.680 5311.760 11AC20SISO Ant1 5320 22.720 5308.720 5331.440 11AC20SISO Ant1 5500 22.080 5488.720 5510.800 11AC20SISO Ant1 5580 22.720 5568.680 5591.400 11AC20SISO Ant1 5700 22.160 5688.800 5710.960 11AC20SISO Ant1 5720 22.120 5708.880 5731.000 11AC20SISO Ant1 5720_UNII-2C 16.12 5708.880 5725 11AC20SISO Ant1 5745 22.360 5733.880 5756.240 11AC20SISO Ant1 5785 22.080 5774.080 5796.160
11AC20SISO Ant1 5300 23.080 5288.680 5311.760 11AC20SISO Ant1 5320 22.720 5308.720 5331.440 11AC20SISO Ant1 5500 22.080 5488.720 5510.800 11AC20SISO Ant1 5580 22.720 5568.680 5591.400 11AC20SISO Ant1 5700 22.160 5688.800 5710.960 11AC20SISO Ant1 5720 22.120 5708.880 5731.000 11AC20SISO Ant1 5720_UNII-2C 16.12 5708.880 5725 11AC20SISO Ant1 5745 22.360 5733.880 5756.240 11AC20SISO Ant1 5785 22.080 5774.080 5796.160 11AC20SISO Ant1 5825 22.240 5813.920 5836.160
11AC20SISO Ant1 5320 22.720 5308.720 5331.440 11AC20SISO Ant1 5500 22.080 5488.720 5510.800 11AC20SISO Ant1 5580 22.720 5568.680 5591.400 11AC20SISO Ant1 5700 22.160 5688.800 5710.960 11AC20SISO Ant1 5720 22.120 5708.880 5731.000 11AC20SISO Ant1 5720_UNII-2C 16.12 5708.880 5725 11AC20SISO Ant1 5720_UNII-3 6 5725 5731.000 11AC20SISO Ant1 5745 22.360 5733.880 5756.240 11AC20SISO Ant1 5785 22.080 5774.080 5796.160 11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC20SISO Ant1 5500 22.080 5488.720 5510.800 11AC20SISO Ant1 5580 22.720 5568.680 5591.400 11AC20SISO Ant1 5700 22.160 5688.800 5710.960 11AC20SISO Ant1 5720 22.120 5708.880 5731.000 11AC20SISO Ant1 5720_UNII-2C 16.12 5708.880 5725 11AC20SISO Ant1 5720_UNII-3 6 5725 5731.000 11AC20SISO Ant1 5745 22.360 5733.880 5756.240 11AC20SISO Ant1 5785 22.080 5774.080 5796.160 11AC20SISO Ant1 5825 22.240 5813.920 5836.160 11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC20SISO Ant1 5580 22.720 5568.680 5591.400 11AC20SISO Ant1 5700 22.160 5688.800 5710.960 11AC20SISO Ant1 5720 22.120 5708.880 5731.000 11AC20SISO Ant1 5720_UNII-2C 16.12 5708.880 5725 11AC20SISO Ant1 5720_UNII-3 6 5725 5731.000 11AC20SISO Ant1 5745 22.360 5733.880 5756.240 11AC20SISO Ant1 5785 22.080 5774.080 5796.160 11AC20SISO Ant1 5825 22.240 5813.920 5836.160 11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC20SISO Ant1 5700 22.160 5688.800 5710.960 11AC20SISO Ant1 5720 22.120 5708.880 5731.000 11AC20SISO Ant1 5720_UNII-2C 16.12 5708.880 5725 11AC20SISO Ant1 5720_UNII-3 6 5725 5731.000 11AC20SISO Ant1 5745 22.360 5733.880 5756.240 11AC20SISO Ant1 5785 22.080 5774.080 5796.160 11AC20SISO Ant1 5825 22.240 5813.920 5836.160 11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC20SISO Ant1 5720 22.120 5708.880 5731.000 11AC20SISO Ant1 5720_UNII-2C 16.12 5708.880 5725 11AC20SISO Ant1 5720_UNII-3 6 5725 5731.000 11AC20SISO Ant1 5745 22.360 5733.880 5756.240 11AC20SISO Ant1 5785 22.080 5774.080 5796.160 11AC20SISO Ant1 5825 22.240 5813.920 5836.160 11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC20SISO Ant1 5720_UNII-2C 16.12 5708.880 5725 11AC20SISO Ant1 5720_UNII-3 6 5725 5731.000 11AC20SISO Ant1 5745 22.360 5733.880 5756.240 11AC20SISO Ant1 5785 22.080 5774.080 5796.160 11AC20SISO Ant1 5825 22.240 5813.920 5836.160 11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC20SISO Ant1 5720_UNII-3 6 5725 5731.000 11AC20SISO Ant1 5745 22.360 5733.880 5756.240 11AC20SISO Ant1 5785 22.080 5774.080 5796.160 11AC20SISO Ant1 5825 22.240 5813.920 5836.160 11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC20SISO Ant1 5745 22.360 5733.880 5756.240 11AC20SISO Ant1 5785 22.080 5774.080 5796.160 11AC20SISO Ant1 5825 22.240 5813.920 5836.160 11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC20SISO Ant1 5785 22.080 5774.080 5796.160 11AC20SISO Ant1 5825 22.240 5813.920 5836.160 11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC20SISO Ant1 5825 22.240 5813.920 5836.160 11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC40SISO Ant1 5190 41.200 5169.520 5210.720
11AC40SISO Ant1 5230 40.960 5209.600 5250.560
11AC40SISO Ant1 5270 41.120 5249.520 5290.640
11AC40SISO Ant1 5310 40.640 5289.840 5330.480
11AC40SISO Ant1 5510 41.040 5489.440 5530.480
11AC40SISO Ant1 5550 41.040 5529.600 5570.640
11AC40SISO Ant1 5670 41.440 5649.120 5690.560
11AC40SISO Ant1 5710 41.120 5689.440 5730.560
11AC40SISO Ant1 5710_UNII-2C 35.56 5689.440 5725
11AC40SISO Ant1 5710_UNII-3 5.56 5725 5730.560
11AC40SISO Ant1 5755 40.880 5734.600 5775.480
11AC40SISO Ant1 5795 40.960 5774.600 5815.560
11AC80SISO Ant1 5210 82.560 5169.040 5251.600
11AC80SISO Ant1 5290 82.240 5249.040 5331.280
11AC80SISO Ant1 5530 83.680 5487.600 5571.280



Report No.: PD20250027-R3E Report Version: 01

 	5650.960	5569.200	81.760	5610	Ant1	11AC80SISO
 	5730.960	5647.920	83.040	5690	Ant1	11AC80SISO
 	5725	5647.920	77.08	5690_UNII-2C	Ant1	11AC80SISO
 	5730.960	5725	5.96	5690_UNII-3	Ant1	11AC80SISO
 	5816.920	5733.400	83.520	5775	Ant1	11AC80SISO

Test Result_6dB Bandwidth U-NII-3

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	13.760	5738.120	5751.880	0.5	PASS
11A	Ant1	5785	15.920	5777.200	5793.120	0.5	PASS
11A	Ant1	5825	15.880	5817.240	5833.120	0.5	PASS
11N20SISO	Ant1	5745	16.800	5736.600	5753.400	0.5	PASS
11N20SISO	Ant1	5785	16.320	5776.840	5793.160	0.5	PASS
11N20SISO	Ant1	5825	15.120	5817.840	5832.960	0.5	PASS
11N40SISO	Ant1	5755	35.680	5737.480	5773.160	0.5	PASS
11N40SISO	Ant1	5795	36.000	5777.160	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	16.040	5737.120	5753.160	0.5	PASS
11AC20SISO	Ant1	5785	16.640	5776.840	5793.480	0.5	PASS
11AC20SISO	Ant1	5825	16.680	5816.840	5833.520	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
11AC40SISO	Ant1	5795	35.120	5777.480	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Result_99% Bandwidth

	_00 /0 Bane						
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.607	5171.7100	5188.3170		
11A	Ant1	5220	16.638	5211.7056	5228.3436		
11A	Ant1	5240	16.595	5231.7556	5248.3506		
11A	Ant1	5260	16.820	5251.6502	5268.4702		
11A	Ant1	5300	16.565	5291.7311	5308.2961		
11A	Ant1	5320	16.589	5311.7276	5328.3166		
11A	Ant1	5500	16.696	5491.7158	5508.4118		
11A	Ant1	5580	16.588	5571.7412	5588.3292		
11A	Ant1	5700	16.660	5691.7091	5708.3691		
11A	Ant1	5720	16.644	5711.7249	5728.3689		
11A	Ant1	5720_UNII-2C	13.275	5711.7249	5725		
11A	Ant1	5720_UNII-3	3.369	5725	5728.3689		
11A	Ant1	5745	16.627	5736.6984	5753.3254		



Report No.: PD20250027-R3E Report Version: 01

		T	ı			1	
11A	Ant1	5785	16.572	5776.7210	5793.2930		
11A	Ant1	5825	16.543	5816.7441	5833.2871		
11N20SISO	Ant1	5180	17.868	5171.0972	5188.9652		
11N20SISO	Ant1	5220	17.829	5211.0825	5228.9115		
11N20SISO	Ant1	5240	17.848	5231.0719	5248.9199		
11N20SISO	Ant1	5260	17.792	5251.1027	5268.8947		
11N20SISO	Ant1	5300	17.839	5291.1055	5308.9445		
11N20SISO	Ant1	5320	17.863	5311.0966	5328.9596		
11N20SISO	Ant1	5500	17.875	5491.1155	5508.9905		
11N20SISO	Ant1	5580	17.763	5571.1465	5588.9095		
11N20SISO	Ant1	5700	17.792	5691.1085	5708.9005		
11N20SISO	Ant1	5720	17.792	5711.1450	5728.9370		
11N20SISO	Ant1	5720_UNII-2C	13.855	5711.1450	5725		
11N20SISO	Ant1	5720_UNII-3	3.937	5725	5728.9370		
11N20SISO	Ant1	5745	17.807	5736.1022	5753.9092		
11N20SISO	Ant1	5785	17.839	5776.0996	5793.9386		
11N20SISO	Ant1	5825	17.823	5816.1029	5833.9259		
11N40SISO	Ant1	5190	36.383	5171.8496	5208.2326		
11N40SISO	Ant1	5230	36.330	5211.8628	5248.1928		
11N40SISO	Ant1	5270	36.247	5251.8790	5288.1260		
11N40SISO	Ant1	5310	36.246	5291.9196	5328.1656		
11N40SISO	Ant1	5510	36.237	5491.9293	5528.1663		
11N40SISO	Ant1	5550	36.321	5531.8749	5568.1959		
11N40SISO	Ant1	5670	36.358	5651.8755	5688.2335		
11N40SISO	Ant1	5710	36.261	5691.8787	5728.1397		
11N40SISO	Ant1	5710_UNII-2C	33.121	5691.8787	5725		
11N40SISO	Ant1	5710_UNII-3	3.14	5725	5728.1397		
11N40SISO	Ant1	5755	36.264	5736.8393	5773.1033		
11N40SISO	Ant1	5795	36.246	5776.9296	5813.1756		
11AC20SISO	Ant1	5180	17.842	5171.1020	5188.9440		
11AC20SISO	Ant1	5220	17.837	5211.1370	5228.9740		
11AC20SISO	Ant1	5240	17.765	5231.1427	5248.9077		
11AC20SISO	Ant1	5260	17.821	5251.1172	5268.9382		
11AC20SISO	Ant1	5300	17.864	5291.0958	5308.9598		
11AC20SISO	Ant1	5320	17.840	5311.0798	5328.9198		
11AC20SISO	Ant1	5500	17.790	5491.1124	5508.9024		
11AC20SISO	Ant1	5580	17.787	5571.1048	5588.8918		
11AC20SISO	Ant1	5700	17.761	5691.1194	5708.8804		
11AC20SISO	Ant1	5720	17.802	5711.1012	5728.9032		



Report No.: PD20250027-R3E Report Version: 01

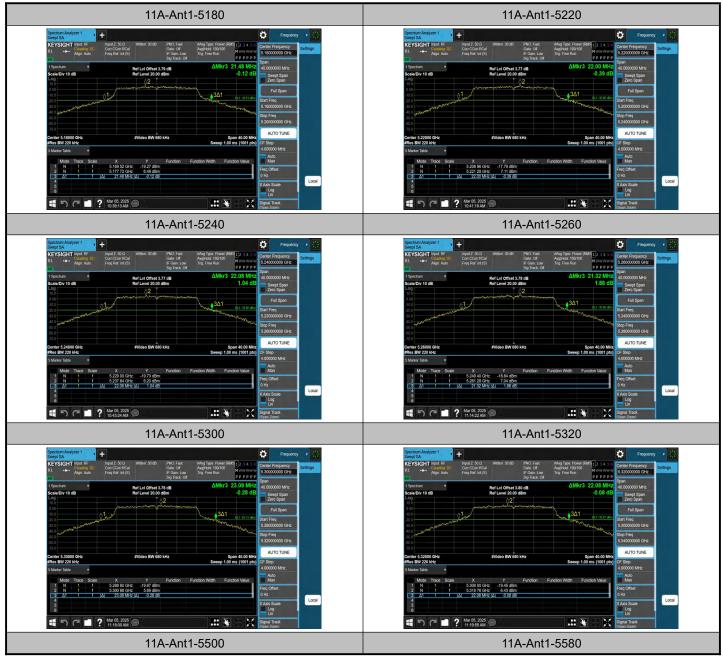
11AC20SISO	Ant1	5720_UNII-2C	13.899	5711.1012	5725	
11AC20SISO	Ant1	5720_UNII-3	3.903	5725	5728.9032	
11AC20SISO	Ant1	5745	17.773	5736.1455	5753.9185	
11AC20SISO	Ant1	5785	17.827	5776.0511	5793.8781	
11AC20SISO	Ant1	5825	17.827	5816.0845	5833.9115	
11AC40SISO	Ant1	5190	36.347	5171.8977	5208.2447	
11AC40SISO	Ant1	5230	36.232	5211.9202	5248.1522	
11AC40SISO	Ant1	5270	36.295	5251.8861	5288.1811	
11AC40SISO	Ant1	5310	36.279	5291.8981	5328.1771	
11AC40SISO	Ant1	5510	36.372	5491.8757	5528.2477	
11AC40SISO	Ant1	5550	36.289	5531.8865	5568.1755	
11AC40SISO	Ant1	5670	36.349	5651.8235	5688.1725	
11AC40SISO	Ant1	5710	36.281	5691.9055	5728.1865	
11AC40SISO	Ant1	5710_UNII-2C	33.095	5691.9055	5725	
11AC40SISO	Ant1	5710_UNII-3	3.186	5725	5728.1865	
11AC40SISO	Ant1	5755	36.251	5736.9006	5773.1516	
11AC40SISO	Ant1	5795	36.353	5776.8836	5813.2366	
11AC80SISO	Ant1	5210	75.994	5172.1895	5248.1835	
11AC80SISO	Ant1	5290	75.880	5252.1728	5328.0528	
11AC80SISO	Ant1	5530	75.905	5492.1188	5568.0238	
11AC80SISO	Ant1	5610	75.866	5572.0463	5647.9123	
11AC80SISO	Ant1	5690	75.751	5652.1589	5727.9099	
11AC80SISO	Ant1	5690_UNII-2C	72.841	5652.1589	5725	
11AC80SISO	Ant1	5690_UNII-3	2.91	5725	5727.9099	
11AC80SISO	Ant1	5775	76.114	5736.9025	5813.0165	



Report No.: PD20250027-R3E

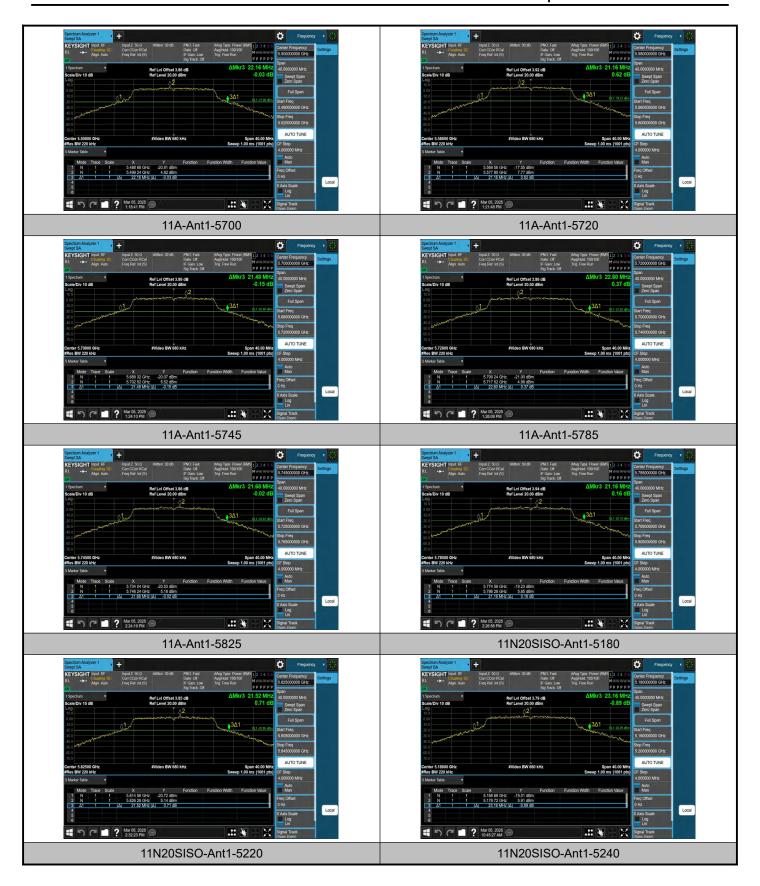
Report Version: 01

Test Graphs 26dB Occupied Bandwidth



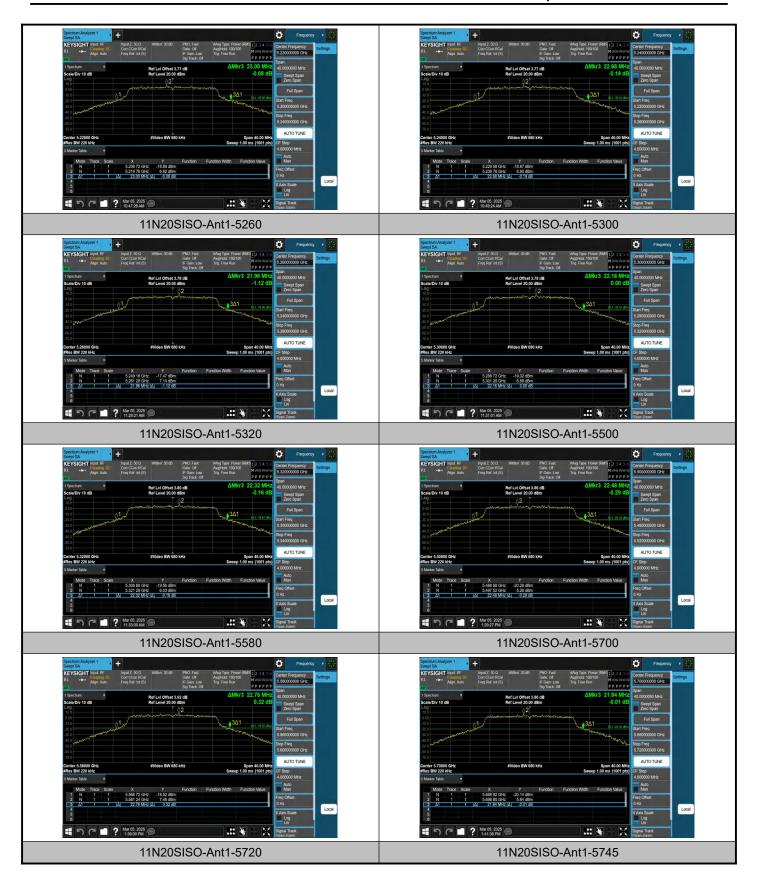


Report No.: PD20250027-R3E





Report No.: PD20250027-R3E





Report No.: PD20250027-R3E



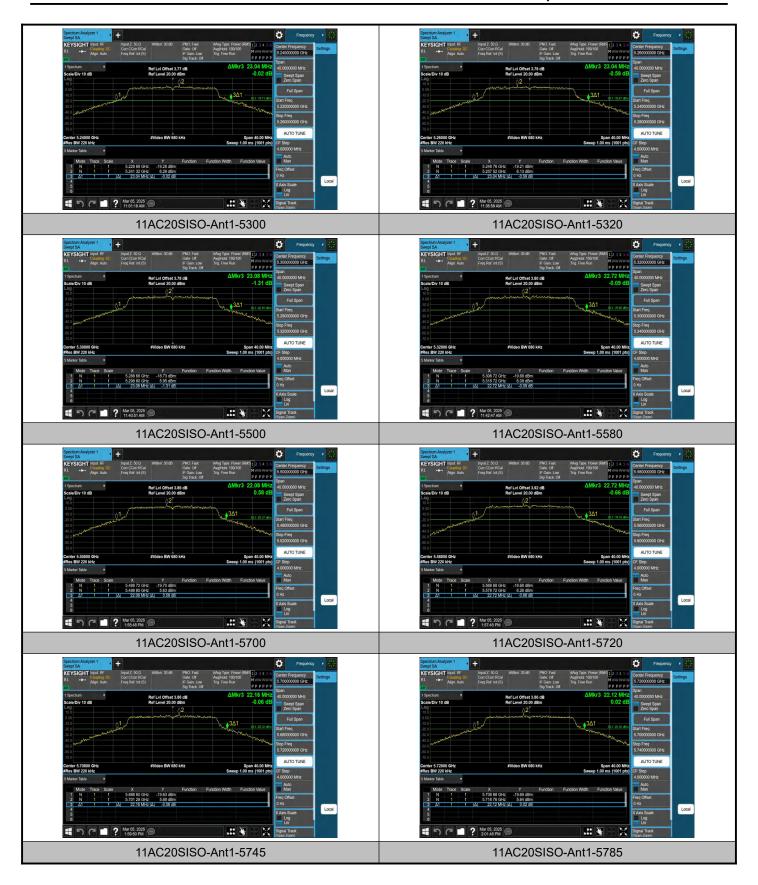


Report No.: PD20250027-R3E



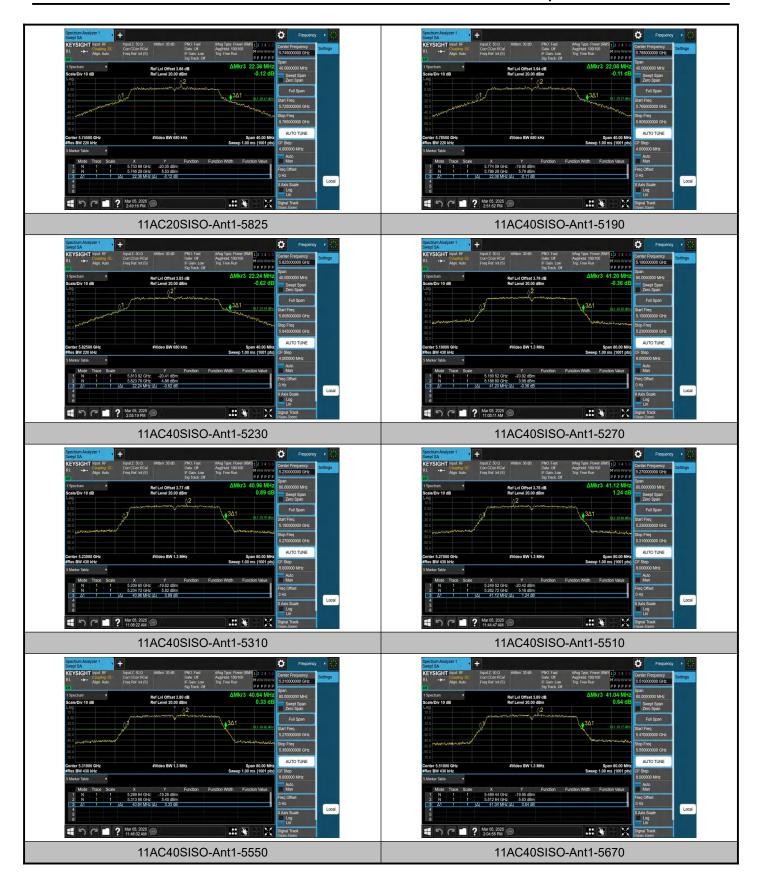


Report No.: PD20250027-R3E





Report No.: PD20250027-R3E





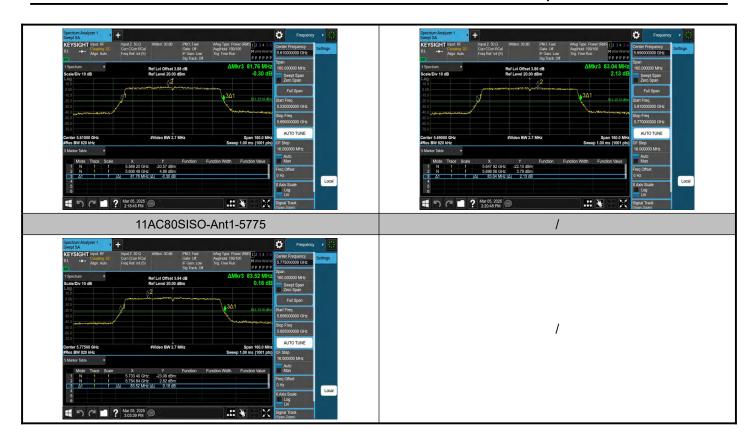
Report No.: PD20250027-R3E





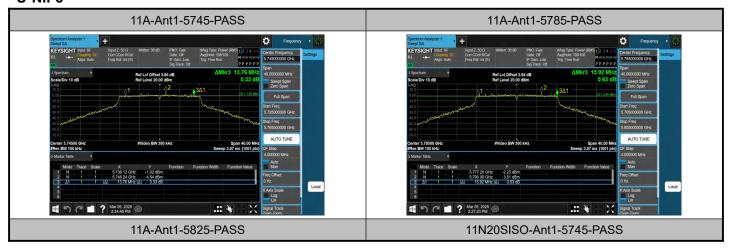
Report No.: PD20250027-R3E

Report Version: 01



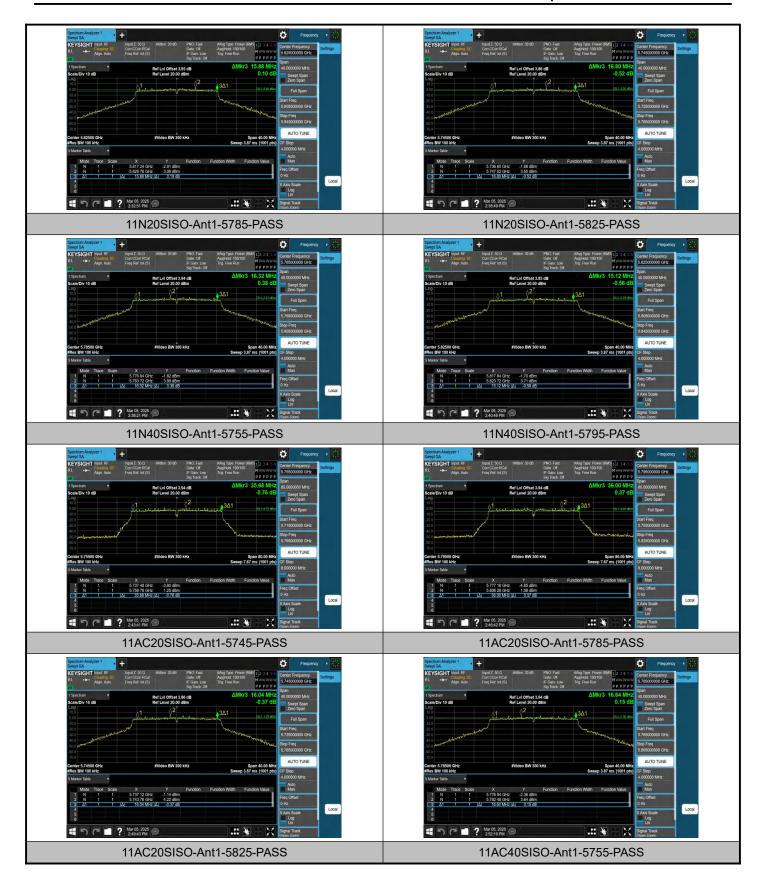
6dB Bandwidth

U-NII-3





Report No.: PD20250027-R3E





Report No.: PD20250027-R3E

Report Version: 01

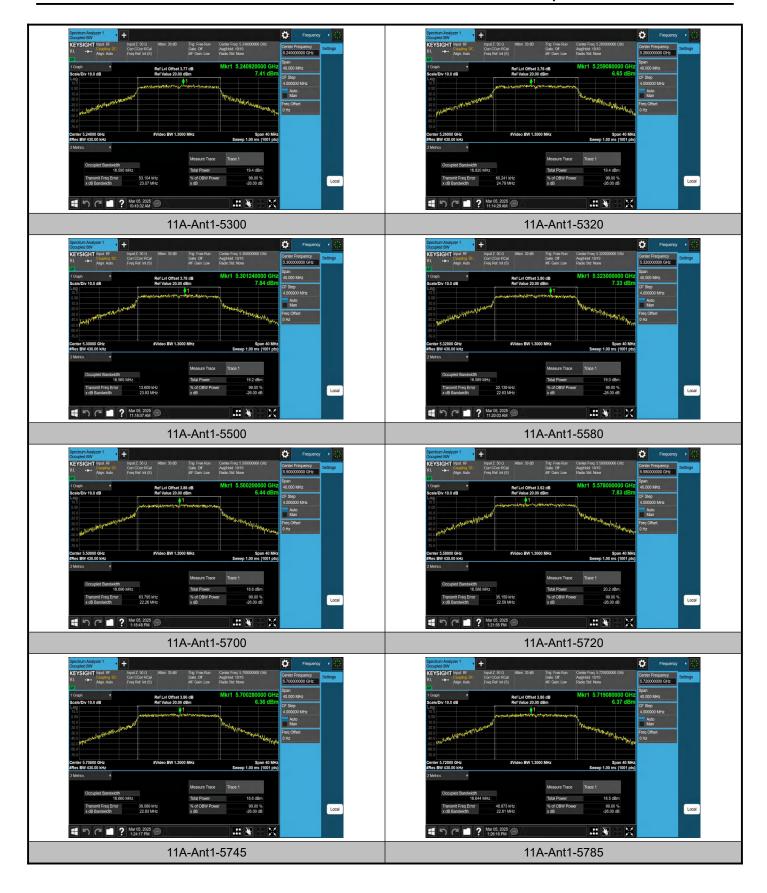


99% Bandwidth





Report No.: PD20250027-R3E





Report No.: PD20250027-R3E

