



FCC PART 15.247
RSS-GEN ISSUE 5, FEBRUARY 2021 AMENDMENT2
RSS-247 ISSUE 4, JULY 24, 2025

TEST REPORT

For

FCC: INGENICO

9 Avenue de la gare - Rovaltain TGV, BP25156,Valence Cedex 9,26958 ,France

IC: Ingenico

9 avenue de la gare Rovaltain TGV,Valence 26958,France

FCC ID: XKB-DX8AM
IC: 2586D-DX8AM

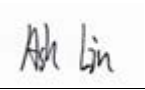
Report Type: Original Report	Product Name: Smart POS Terminal
Report Number:	2607P42218E-RF-03
Report Date:	2026-06-20
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2607P42218E-RF-03	R1V1	2026-06-20	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:		FCC: INGENICO IC: Ingenico
Product Name:		Smart POS Terminal
Tested Model:		AXIUM DX8
Multiple Model(s):		N/A
HVIN:		AXIUM DX8-AM-S, AXIUM DX8-AM-D, AXIUM DX8-AM-BC
Trade Mark:		
Power Supply:		DC 5V from Adapter or DC 7.2V from Battery
Adapter 1# information (KLEC - US)	Model:	SW-0983
	Input:	AC 100-240V, 50/60Hz, 0.5A
	Output:	DC 5.0V, 2.0A
Adapter 2# information (Aohai - US)	Model:	A319-050200U-US2
	Input:	AC 100-240V, 50/60Hz, Max 0.3A
	Output:	DC 5.0V, 2.0A
★Maximum Average Conducted Output Power:		13.91 dBm
Frequency Range:		802.11b/g/n ht20: 2412-2462 MHz 802.11n40: 2422-2452 MHz
Modulation Technique:		802.11b:DSSS-DBPSK, DOPSK, CCK 802.11g/n:OFDM-BPSK, QPSK, 16QAM, 64QAM
Antenna Type:		IFA antenna
★Maximum Antenna Gain:		2.98dBi
Serial Number:		For RF Conducted: GFK-1 For AC Line Conducted Emissions and Radiated Spurious Emissions Above 1G test: 3GFK-2 (Configuration 1#) For Radiated Spurious Emissions Below 1G test: 3GFK-4 (Configuration 3#)
EUT Received Date:		2026-02-10
EUT Received Status:		Good

Note:

1. The Maximum Antenna Gain was declared by manufacturer.
2. The EUT contains a variety of configurations, the difference of the configurations show as below:

Model	Configuration	HVIN	Confouration Dfference	
			2 nd display	scanner
AXIUM DX8	1 (Scanner variant)	AXIUM DX8-AM-BC	×	√
	2 (2 nd display variant)	AXIUM DX8-AM-D	√	×
	3 (Basic variant)	AXIUM DX8-AM-S	×	×

Note: Per 15B&ICES 003 Issue 7 report, test with Adapter 1# & Battery 5# & Screen 1# & Configuration 1# was the worst for AC Line Conducted Emissions, test with Adapter 2# & Battery 1# & Screen 2# & Configuration 3# was the worst for Radiated Spurious Emissions Below 1G and test with Adapter 1# & Battery 1# & Screen 2# & Configuration 1# was the worst for Radiated Spurious Emissions Above 1G, so only performed it this report.

Battery Information:

No.	Model	Manufacturer	Specification
Battery 1#	LD18650M	SCUD (Fujian) Electronics Co.,Ltd	DC 7.2V 2600mAh/18.72Wh
Battery 2#	LD18650K	SCUD (Fujian) Electronics Co.,Ltd	DC 7.2V 3400mAh/24.48Wh
Battery 3#	LD18650K-1	SCUD (Fujian) Electronics Co.,Ltd	DC 7.2V 3350mAh/24.12Wh
Battery 4#	LD18650M	Xinyu Ganfeng Electronics Co.,Ltd.	DC 7.2V 2600mAh/18.72Wh
Battery 5#	LD18650K-1	Xinyu Ganfeng Electronics Co.,Ltd.	DC 7.2V 3350mAh/24.12Wh
Battery 6#	LD18650M	Dongguan Veken Battery Co., Ltd.	DC 7.2V 2600mAh/18.72Wh

Screen Information:

No.	Ingenico Model	Manufacturer
Screen 1#	MDT0656A	Shenzhen Great Prospect Optoelectronics Co.,Ltd.
Screen 2#	MDT0656A	Tianma Microelectronics Co., Ltd.
Screen 3#	MDT0656A	GuangDonghongbosheng Optoelectronic Technology Co;Ltd

Objective

This test report is prepared for *INGENICO* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions's rules and RSS-247 Issue 4, July 24, 2025 and RSS-Gen, Issue 5, February 2021 Amendment 2 of the Innovation, Science and Economic Development Canada.

Test Methodology

All measurements contained in this report were conducted with ANSIC63.10-2020+Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and KDB 558074 D01 15.247 Meas Guidance v05r02.

All tests and measurements indicated in this document were performed in accordance with RSS-247 Issue 4, July 24, 2025 of the Innovation, Science and Economic Development Canada & RSS-Gen, Issue 5, February 2021 Amendment 2: General Requirements for Compliance of Radio Apparatus & ANSIC63.10-2020+Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on the Unit 102, No. 902 Meifeng South Road, Binhai West Avenue Science and Technology Innovation Park, Torch High Tech Zone Xiamen, People's Republic of China.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the IC accredited lab under the KDB 974614 D01, the IC Designation No. : CN0176.

Measurement Uncertainty

Item		U_{lab}
Conducted Emission	150kHz-30MHz	2.45 dB
Radiated Spurious Emission	9kHz-150kHz	2.82dB
	150kHz-30MHz	2.74dB
	30MHz~1GHz	4.68dB
	1GHz~18GHz	5.00dB
	18GHz~26.5GHz	4.90dB
Transmitter Conducted Power(Conducted RF power)		0.43 dB
Temperature		1 °C
Humidity		5 %
Supply voltages		1 %

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

SYSTEM TEST CONFIGURATION

Test Mode and Voltage

The system was configured for testing in engineering mode, which provided by manufacturer.	
Test mode:	Test mode 1: Transmitting
Test voltage:	Test mode 1: AC 120V/60Hz
Remark:	During all emission tests, the EUT was configured to measure its highest possible emission level and the worst case's test data was presented in this test report.

Description of Test Configuration

For 802.11b, 802.11g, 802.11n-HT20, 802.11n-HT40 mode, 11 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	/	/
6	2437	/	/
7	2442	/	/

For 802.11b, 802.11g, 802.11n-HT20 mode, EUT was tested with Channel 1, 6 and 11.

For 802.11n-HT40 mode, EUT was tested with Channel 3, 6 and 9.

Equipment Modifications

No modification was made to the EUT tested.

★EUT Exercise Software

Wi-Fi test in the engineer mode.

RF Test Tool: QRCT_4

The device was tested with the worst case was performed as below:

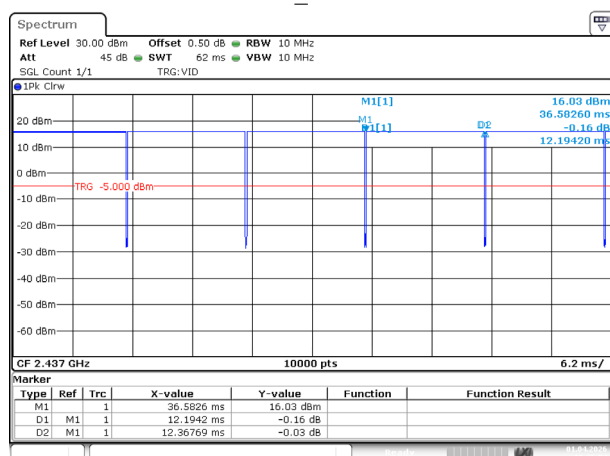
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11b	Lowest	2412	1Mbps	13.5
	Middle	2437	1Mbps	13.5
	Highest	2462	1Mbps	13.5
802.11g	Lowest	2412	6Mbps	12
	Middle	2437	6Mbps	12.5
	Highest	2462	6Mbps	12.5
802.11n ht20	Lowest	2412	MCS0	11
	Middle	2437	MCS0	12
	Highest	2462	MCS0	12
802.11n ht40	Lowest	2422	MCS0	12
	Middle	2437	MCS0	12
	Highest	2452	MCS0	12

Pre-scan with all the data rates, the above data rate is the worst case for Wi-Fi test.

Duty Cycle

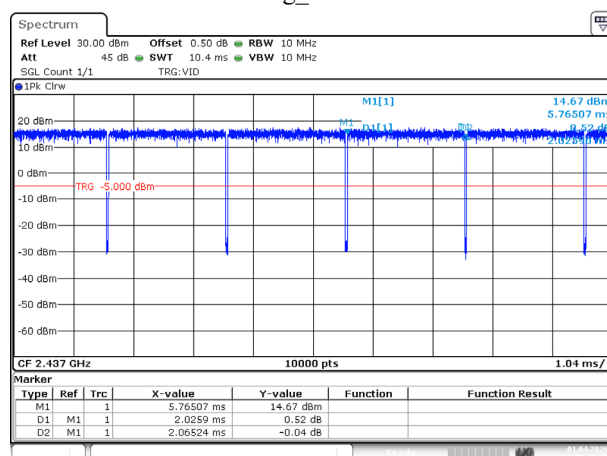
Test Mode:		Transmitting		Test Engineer:		Braylon Ma	
Test Date:		2026-04-01		Environment:		Temp.: 22.1°C Humi.: 54% Atm :100.1kPa	
Test Result:		Compliance					
Modes	Ton (ms)	Ton+off (ms)	Duty Cycle (%)	1/T (Hz)	Duty Factor (dB)	VBW Setting (kHz)	
802.11b	12.194	12.368	98.59	/	/	0.01	
802.11g	2.026	2.065	98.11	/	/	0.01	
802.11n ht20	1.887	1.926	97.98	530	0.09	1	
802.11n ht40	0.927	0.979	94.69	1079	0.24	2	

802.11b_2437MHz



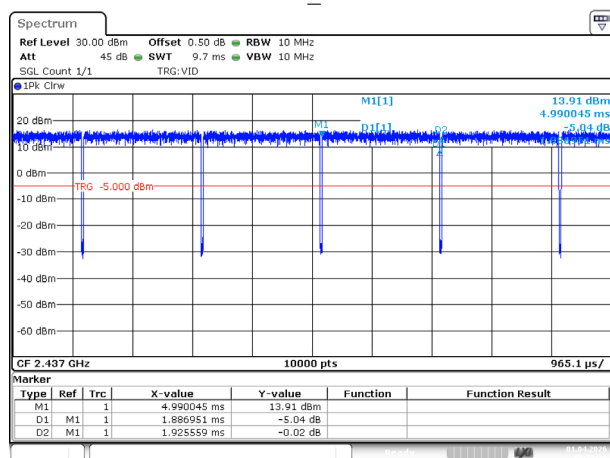
ProjectNo.: 2607P42218E-RF Tester: Braylon Ma
Date: 1.APR.2026 09:35:53

802.11g_2437MHz



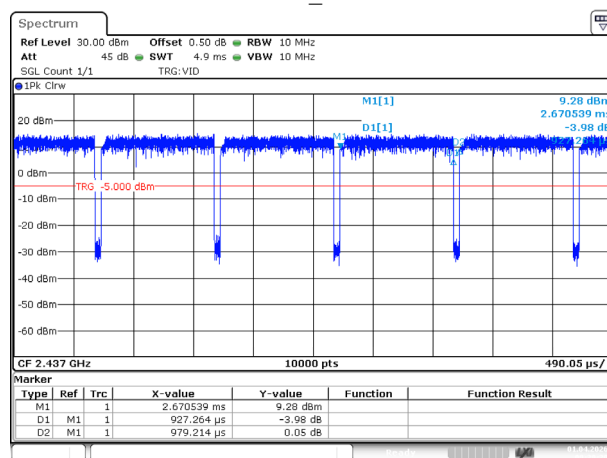
ProjectNo.: 2607P42218E-RF Tester: Braylon Ma
Date: 1.APR.2026 09:37:15

802.11n20_2437MHz



ProjectNo.: 2607P42218E-RF Tester: Braylon Ma
Date: 1.APR.2026 09:38:26

802.11n40_2437MHz



ProjectNo.: 2607P42218E-RF Tester: Braylon Ma
Date: 1.APR.2026 09:39:20

Support Equipment List and Details

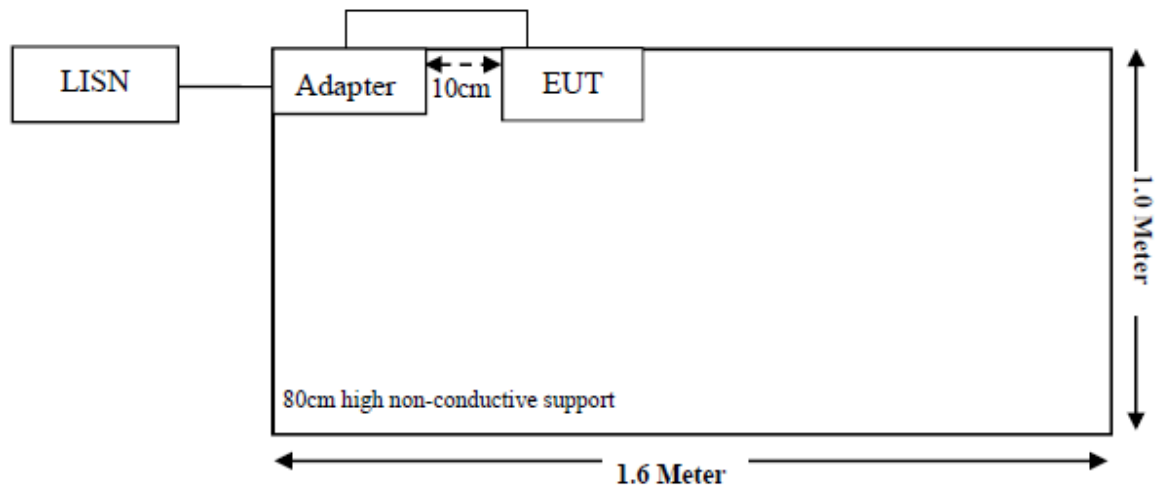
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

Cable Description	Length (m)	From Port	To
/	/	/	/

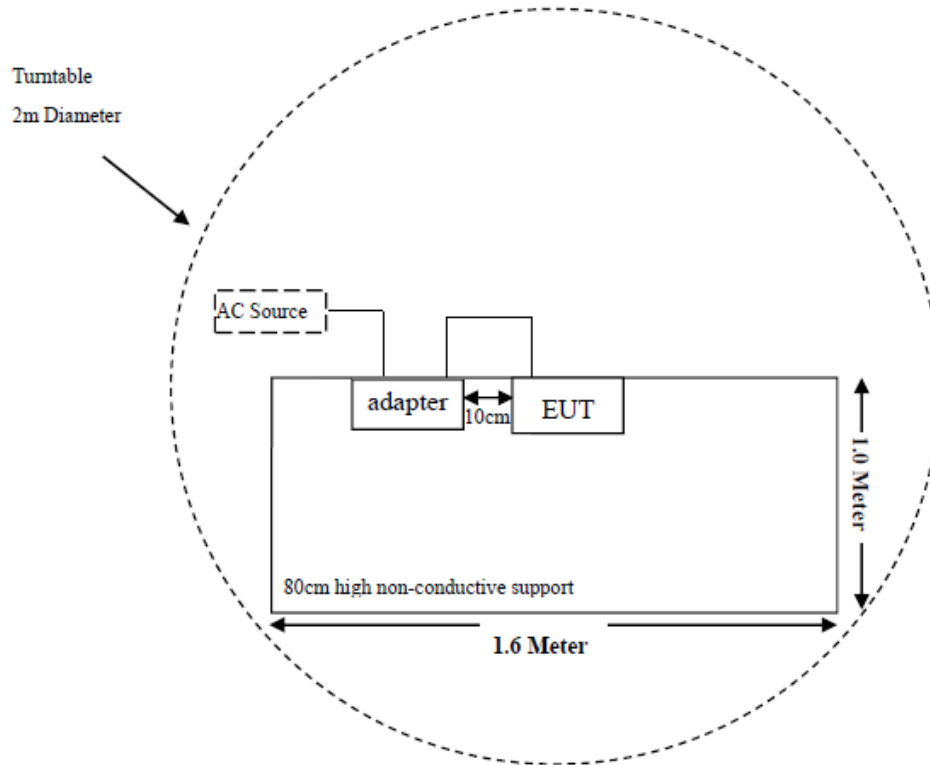
Block Diagram of Test Setup

Conducted Emission:

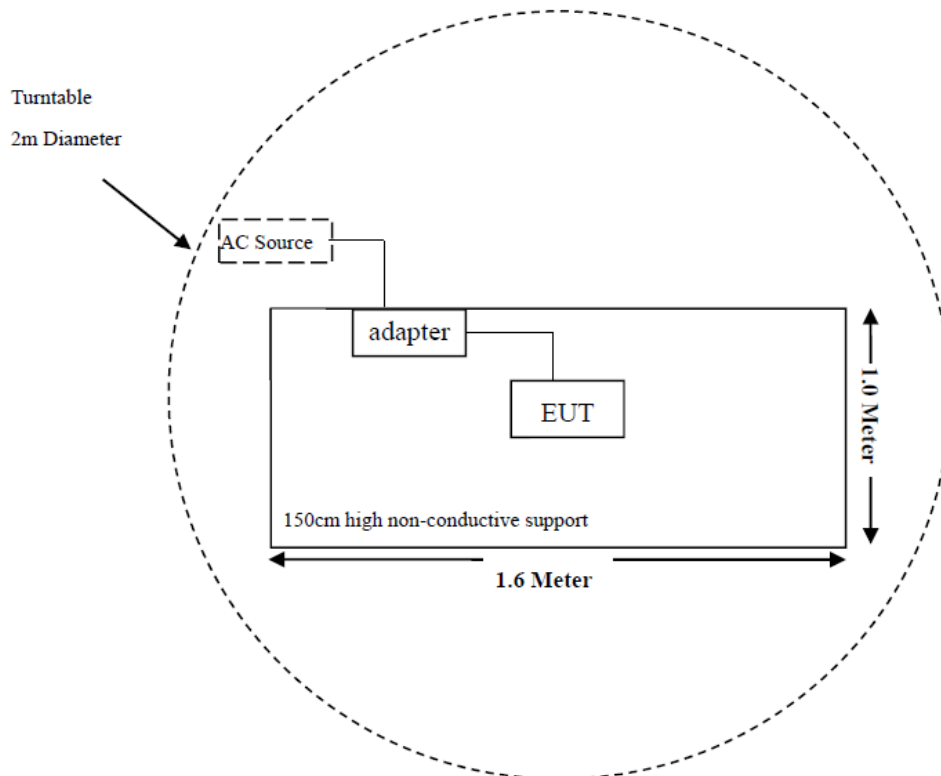


Radiated Spurious Emission:

Below 1GHz



Above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result	Remark
FCC §15.203 RSS-Gen Issue 5 Clause 6.8	Antenna Requirement	Compliance	-
FCC §15.207 (a) RSS-Gen Issue 5 Clause 8.8	AC Line Conducted Emissions	Compliance	-
FCC §15.205, §15.209, §15.247(d) RSS-247 Issue 4 Clause 6.6 RSS-Gen Issue 5 Clause 8.10	Radiated Emissions & Restricted Bands Emissions	Compliance	-
FCC §15.247 (a)(2) RSS-247 Issue 4 Clause 6.3.1 a	6 dB Emission Bandwidth	Compliance	-
RSS-Gen Issue 5 Clause 6.7	99% Occupied Bandwidth	-	please refer to report SZCR250500181004* page 83-95 for IC
FCC §15.247(b)(3) RSS-247 Issue 4 Clause 6.3.2	Maximum Conducted Output Power	Reporting	please refer to report SZCR260300101401* page 46 for FCC and SZCR260300101501* page 49 for IC
FCC §15.247(d) RSS-247 Issue 4 Clause 6.6	100 kHz Bandwidth of Frequency Band Edge	-	please refer to report SZCR260300101401* page 54-70 for FCC and SZCR260300101501* page 58-74 for IC
FCC §15.247(e) RSS-247 Issue 4 Clause 6.3.1 b	Power Spectral Density	-	please refer to report SZCR260300101401* page 47-53 for FCC and SZCR260300101501* page 51-57 for IC

Note: The device built in a certified module, model: ING-A01-1-AM, FCC ID: XKB-INGA01AM, IC: 2586D-INGA01AM, per spot check, the RF parameters are identical with the original module report, therefore, the RF conducted test items please refer to the module FCC report: SZCR260300101401* & SZCR250500180904* and IC report: SZCR260300101501* & SZCR250500181004*, which was issued by SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch (according to KDB 996369 D02 Module Q&A v02r02, Answer 1 b))

The Bay Area Compliance Laboratories Corp.(Xiamen) is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report.

TEST EQUIPMENT LIST

Test Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions					
EMI Test Receiver	Rohde & Schwarz	ESR	103105	2026/1/21	2027/1/20
LISN	Rohde & Schwarz	ENV216	100129	2026/1/21	2027/1/20
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	0357.8810.54	2026/1/21	2027/1/20
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC001	2026/1/20	2027/1/19
EMI Test software	Audix	E3	18621a	N/A	N/A
Radiated Emissions Below 1GHz					
EMI Test Receiver	Rohde & Schwarz	ESR	103103	2026/1/21	2027/1/20
Loop Antenna	Rohde & Schwarz	HFH2-Z2	830749/001	2023/7/27	2026/7/26
Antenna	Sunol Sciences	JB6	A122022-5	2023/7/27	2026/7/26
Amplifier	Sonoma	310B	120903	2026/1/22	2027/1/21
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC002	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-2M	CC006	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-12M	CC007	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	HFH2-CC	335.3609	2026/1/20	2027/1/19
Test Software	Audix	E3	18621a	N/A	N/A
Radiated Emissions Above 1 GHz					
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102051	2026/1/21	2027/1/20
Filter Switch Unit	Decentest	DT7220FSU	DS79904	2026/1/20	2027/1/19
Multiplex Switch Test Control Set	Decentest	DT7220SCU	DS79901	2026/1/20	2027/1/19
Horn Antenna	EMCO	3115	9002-3355	2024/11/19	2027/11/18
Preamplifier	GLOBAL	1313-A100M18G	4121301	2026/1/14	2027/1/13
Coaxial Cable	XINHANGWEIBO	XH800A-N-6M	CC003	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	XH800A-N-1M	CC005	2026/1/20	2027/1/19
Horn Antenna	EMCO	3116	9407-2232	2023/7/31	2026/7/30
Preamplifier	A.H.Systems	PAM-1840	200	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-3M	CC008	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-1M	CC009	2026/1/20	2027/1/19
Test Software	Audix	E3	18621a	N/A	N/A
RF Conducted Test					
USB Wideband Power Sensor	Boonton	55318	8934	2025/9/8	2026/9/7
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102051	2026/1/21	2027/1/20
Test Software	JD	JDAutoTestSystem	1.0.0.3813	N/A	N/A

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Xiamen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §15.203 & RSS-Gen Clause 6.8 - ANTENNA REQUIREMENT

Applicable Standard

According to FCC §15.203, 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 shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

According to RSS-Gen Clause 6.8 The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISSED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

Antenna Connector Construction

The EUT has one IFA antenna arrangement for WIFI, which was permanently attached and the antenna gain is 2.98dBi, fulfill the requirement of this section. Please refer to the EUT photos.

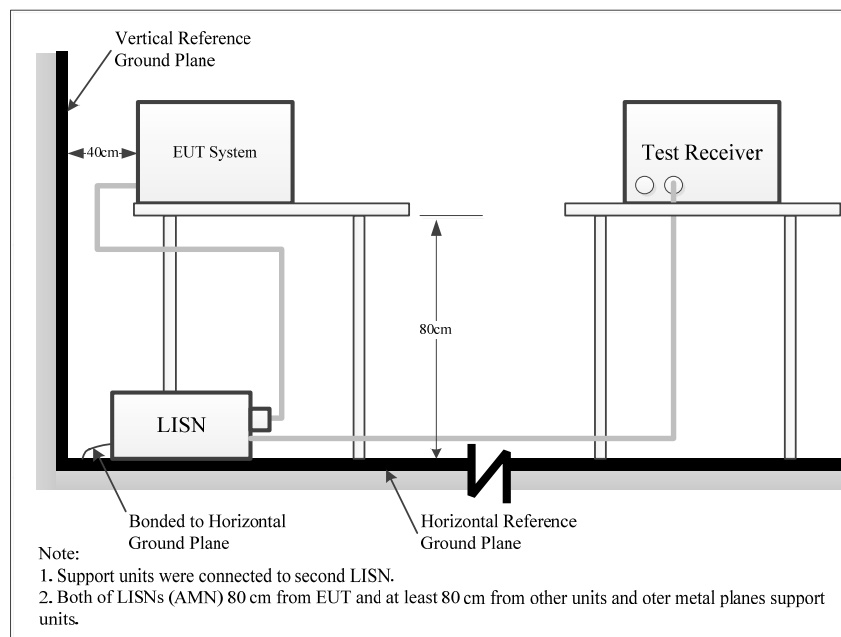
Result: Compliance

FCC §15.207 (a) & RSS-Gen Clause 8.8 – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207, RSS-Gen Clause 8.8

EUT Setup



The setup of EUT is according with per ANSI C63.10-2020+Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024 measurement procedure. The specification used was with the FCC Part 15.207, RSS-Gen limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Result & Margin Calculation

The result is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

$$\text{Factor (dB)} = \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)}$$

$$\text{Result (dB}\mu\text{V)} = \text{Reading (dB}\mu\text{V)} + \text{Factor (dB)}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V)} - \text{Result (dB}\mu\text{V)}$$

Test Data

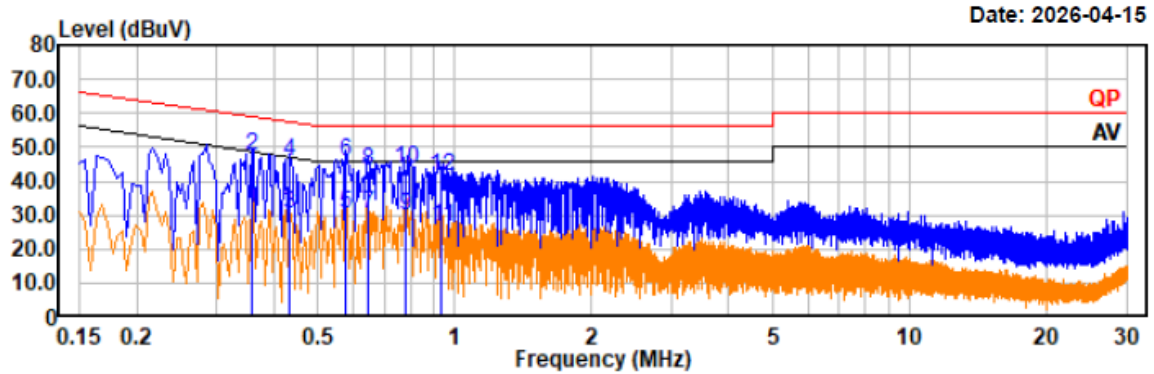
Temperature:	24.3 °C
Relative Humidity:	64 %
ATM Pressure:	100.1 kPa
Test Date:	2026-04-15
Test Engineer:	Wlif Wu

Note: The maximum output power mode: WiFi 802.11b middle channel was tested.

Configuration 1#(Scanner variant)

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8

Temp/Humi/ATM: 24.3°C/64%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



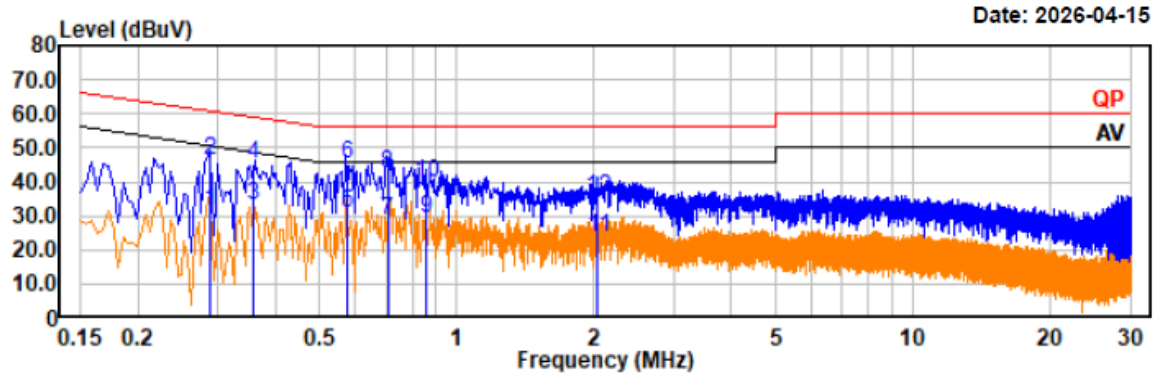
Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.36	11.68	20.52	32.20	48.76	16.56	Line	Average
0.36	27.04	20.52	47.56	58.76	11.20	Line	QP
0.43	9.64	20.48	30.12	47.22	17.10	Line	Average
0.43	25.57	20.48	46.05	57.22	11.17	Line	QP
0.58	10.11	20.47	30.58	46.00	15.42	Line	Average
0.58	25.46	20.47	45.93	56.00	10.07	Line	QP
0.65	9.75	20.48	30.23	46.00	15.77	Line	Average
0.65	22.52	20.48	43.00	56.00	13.00	Line	QP
0.78	9.52	20.50	30.02	46.00	15.98	Line	Average
0.78	23.02	20.50	43.52	56.00	12.48	Line	QP
0.94	5.93	20.50	26.43	46.00	19.57	Line	Average
0.94	20.86	20.50	41.36	56.00	14.64	Line	QP

Project No.: 2607P42218E-RF
 Test Mode: 802.11b 2437MHz
 EUT Model: AXIUM DX8

Temp/Humi/ATM: 24.3°C/64%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



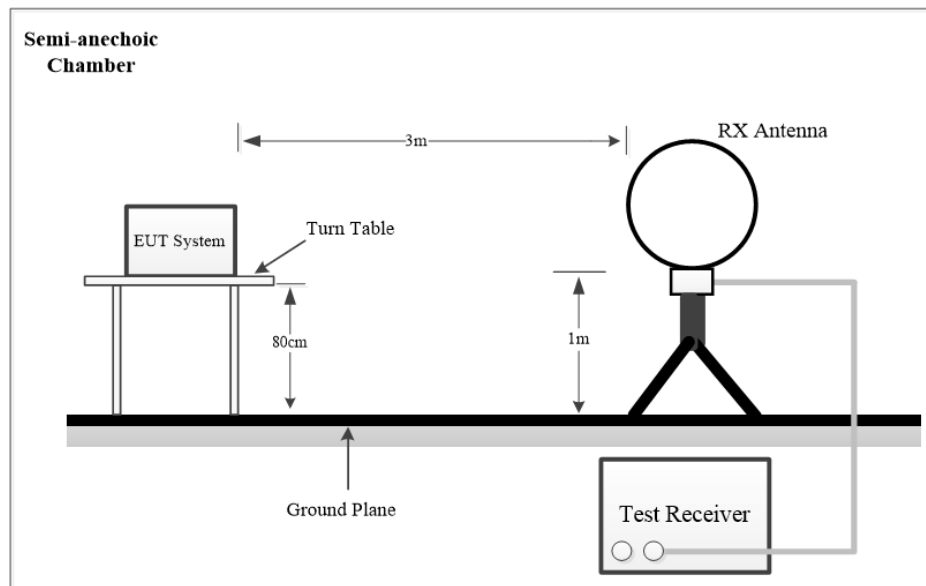
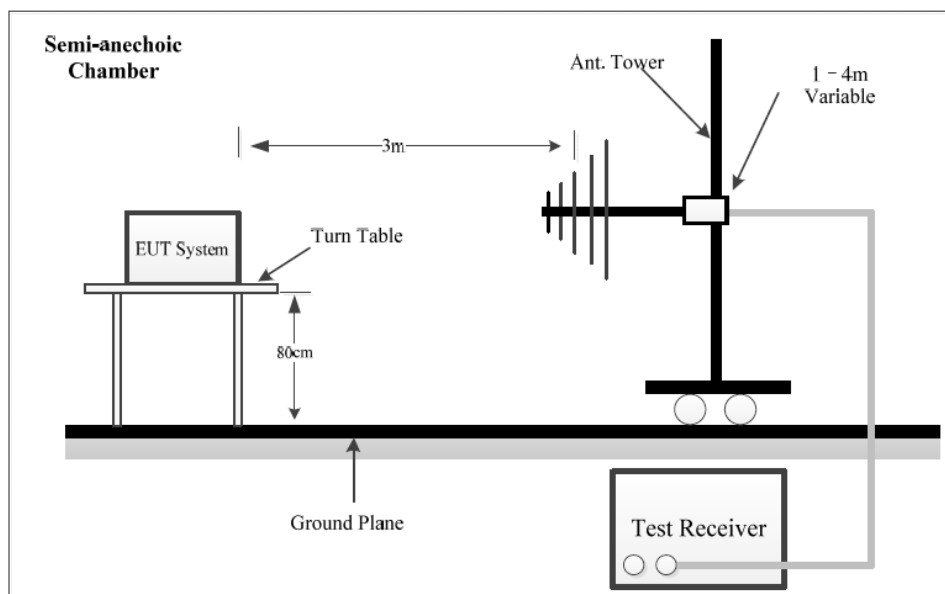
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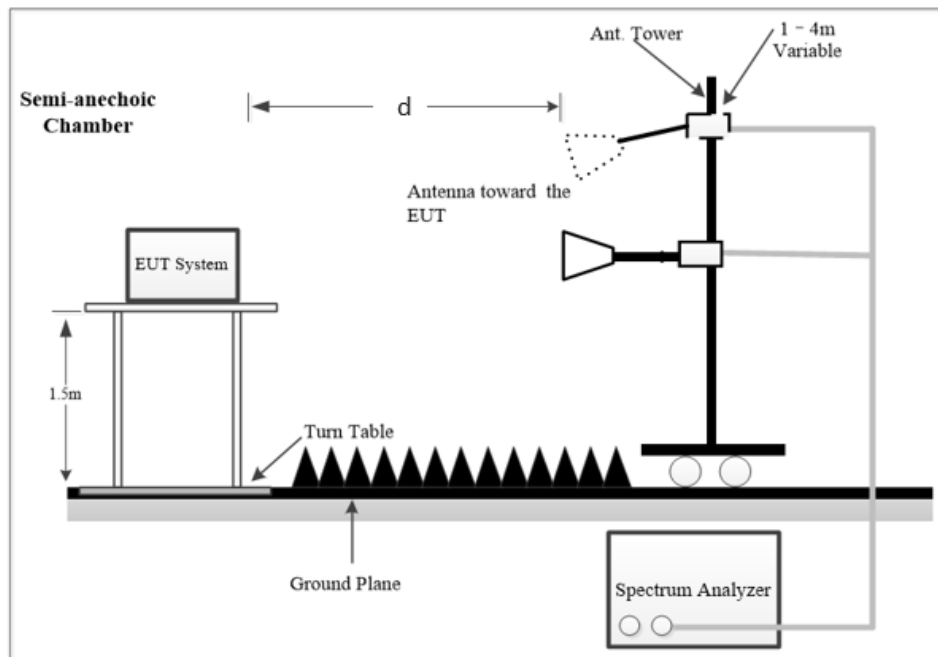
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.29	10.94	20.58	31.52	50.59	19.07	Neutral	Average
0.29	25.61	20.58	46.19	60.59	14.40	Neutral	QP
0.36	12.46	20.51	32.97	48.77	15.80	Neutral	Average
0.36	24.58	20.51	45.09	58.77	13.68	Neutral	QP
0.58	10.27	20.42	30.69	46.00	15.31	Neutral	Average
0.58	24.57	20.42	44.99	56.00	11.01	Neutral	QP
0.71	7.99	20.45	28.44	46.00	17.56	Neutral	Average
0.71	22.02	20.45	42.47	56.00	13.53	Neutral	QP
0.86	9.04	20.47	29.51	46.00	16.49	Neutral	Average
0.86	19.30	20.47	39.77	56.00	16.23	Neutral	QP
2.04	3.41	20.36	23.77	46.00	22.23	Neutral	Average
2.04	15.00	20.36	35.36	56.00	20.64	Neutral	QP

FCC §15.209, §15.205 & §15.247(d) & RSS-247 ISSUE 4 Clause 6.6, RSS-GEN ISSUE5 CLAUSE 8.10 - SPURIOUS EMISSIONS**Applicable Standard**

FCC §15.247 (d); §15.209; §15.205; RSS-247 Issue 4 Clause 6.6; RSS-Gen Issue5 Clause 8.10

EUT Setup**9 kHz-30MHz****Below 1 GHz:**

Above 1GHz:

The radiated emission tests using the setup accordance with the ANSI C63.10-2020+Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024. The specification used was the FCC 15.209, FCC 15.247, RSS-247, RSS-Gen limits.

NOTE: d is testing distance;

For Radiated Emission test (1GHz-18GHz) and Bandedge Emission test, which was performed at 3 m distance.

For Radiated Emission test (18GHz-25GHz), which was performed at 1.5 m distance, according to ANSI C63.10-2020+Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024 the test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m.

Distance extrapolation Factor = $20 \log (\text{specific distance [3m]}/\text{test distance [1.5m]})$ dB = 6 dB

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Below 1GHz:

Frequency Range	RBW	VBW	Measurement
9 kHz – 150 kHz	300Hz	1 kHz	PK
	200Hz	/	QP
150 kHz – 30 MHz	10 kHz	30 kHz	PK
	9kHz	/	QP
30 MHz – 1000 MHz	100 kHz	300 kHz	PK
	120kHz	/	QP

Above 1GHz:

Pre-scan:

Duty Cycle	RBW	VBW	Measurement	Detector
Any	1MHz	3MHz	PK	PK
>98%	1MHz	5kHz	AV	PK
<98%	1MHz	1/T, not less than 5kHz	AV	PK

Final measurement for emission identified during the pre-scan:

Duty Cycle	RBW	VBW	Measurement	Detector
Any	1MHz	3MHz	PK	PK
>98%	1MHz	10Hz	AV	PK
<98%	1MHz	1/T	AV	PK

Note: T is minimum transmission duration

Test Procedure

Radiated Emissions:

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable. The report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground parallel) unless the margin is greater than 20 dB, then the following statement shall be made: “all emissions were greater than 20 dB below the limit.”

Below 1GHz, if the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

Above 1GHz, if the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is below the AV emission limit, there's no need to record the measured AV level of the emissions in the report.

Result & Margin Calculation

The Result is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

For 9 kHz to 18GHz Radiated emission test and Bandedge emissions test

$$\text{Factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)}$$

For 18GHz to 25GHz Radiated emission test $\text{Factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)} - \text{Extrapolation factor (dB)}$

Extrapolation factor=6dB (distance=1.5m)

$$\text{Result (dB}\mu\text{V/m)} = \text{Reading (dB}\mu\text{V)} + \text{Factor (dB/m)}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V/m)} - \text{Result (dB}\mu\text{V/m)}$$

The spurious emission from 9 kHz-30MHz of IC RSS-Gen standard, the unit of final result on the test plots are dB μ V/m, so the limit should be added by 51.5dB from dB μ A/m to dB μ V/m.

Test Data

Please refer to the below table and plots.

Frequency Range:	Below 1 GHz	Above 1 GHz
Temperature:	22.2°C	23.2°C
Relative Humidity:	57 %	55 %
ATM Pressure:	100.1kPa	100.1kPa
Test Date:	2026-04-08	2026-04-14
Test Engineer:	Wlif Wu	Wlif Wu

Note: Pre-scan in the X, Y and Z axes of orientation, the worst case Z-axis of orientation was recorded.

1) 9 kHz~30MHz

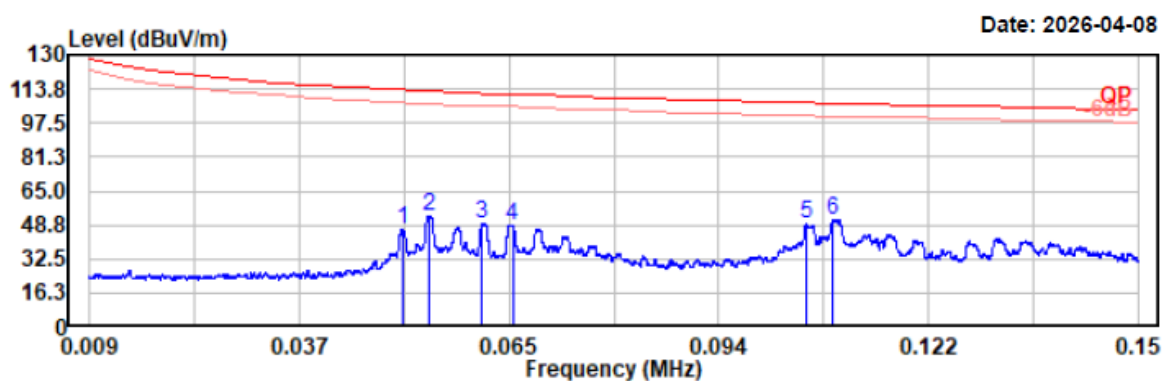
Pre-scan in parallel, ground-parallel and perpendicular of orientation of loop antenna, parallel is worst case.

Note: The maximum output power mode: WiFi 802.11b middle channel was tested.

Configuration 3#(Basic variant)

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 22.2°C/57%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

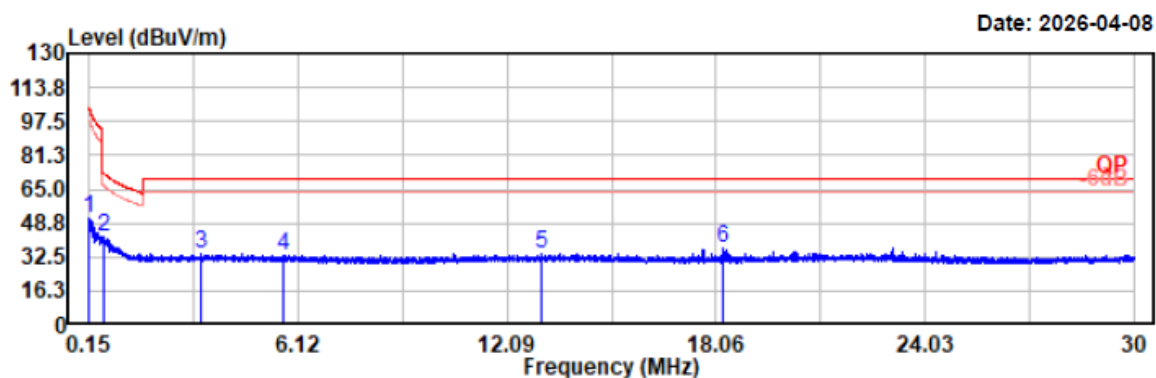


Condition: PK RBW:300Hz VBW:1kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.051	26.73	19.91	46.64	113.46	66.82	Peak
0.055	33.23	19.91	53.14	112.87	59.73	Peak
0.062	29.47	19.89	49.36	111.80	62.44	Peak
0.066	28.88	19.85	48.73	111.24	62.51	Peak
0.105	29.18	19.73	48.91	107.16	58.25	Peak
0.109	31.66	19.73	51.39	106.86	55.47	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 22.2°C /57%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:10kHz VBW:30kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.159	31.13	19.72	50.85	103.58	52.73	Peak
0.559	22.34	19.80	42.14	72.66	30.52	Peak
3.338	14.11	19.82	33.93	69.54	35.61	Peak
5.678	13.85	19.77	33.62	69.54	35.92	Peak
13.063	14.35	19.74	34.09	69.54	35.45	Peak
18.245	16.39	19.97	36.36	69.54	33.18	Peak

Note: $dBuV/m = dBuA/m + 51.5dB$

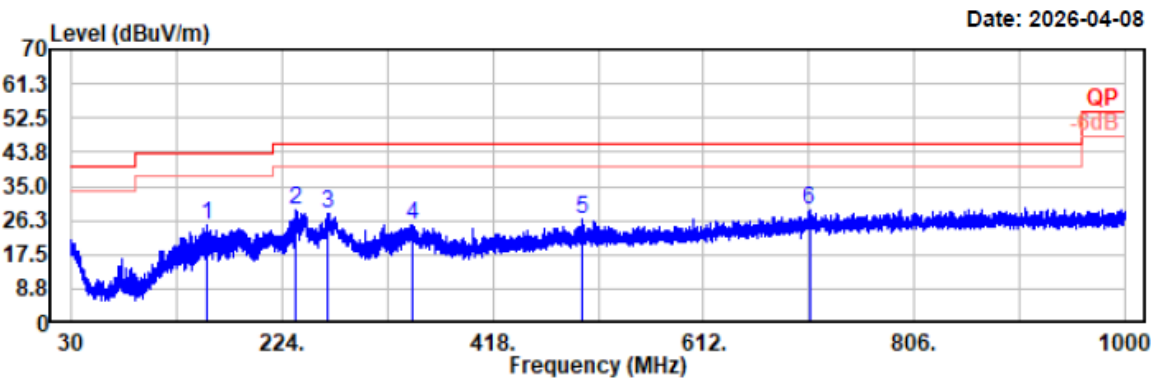
2) 30MHz -1GHz

Note: The maximum output power mode: WiFi 802.11b middle channel was tested.

Configuration 3#(Basic variant)

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 22.2℃/57%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

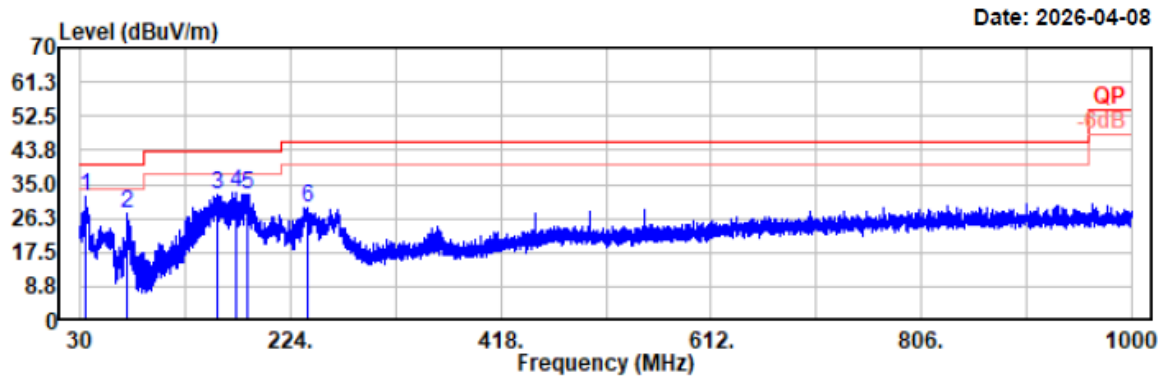


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
154.65	36.38	-11.31	25.07	43.50	18.43	Horizontal	Peak
235.74	41.14	-12.02	29.12	46.00	16.88	Horizontal	Peak
266.68	38.29	-10.16	28.13	46.00	17.87	Horizontal	Peak
344.09	33.41	-8.23	25.18	46.00	20.82	Horizontal	Peak
499.97	29.71	-3.38	26.33	46.00	19.67	Horizontal	Peak
709.49	29.08	-0.07	29.01	46.00	16.99	Horizontal	Peak

Project No.: 2607P42218E-RF
 Test Mode: 802.11b 2437MHz
 EUT Model: AXIUM DX8
 Test distance: 3m

Temp/Humi/ATM: 22.2°C/57%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



Condition: PK RBW:100kHz VBW:300kHz SWT:auto

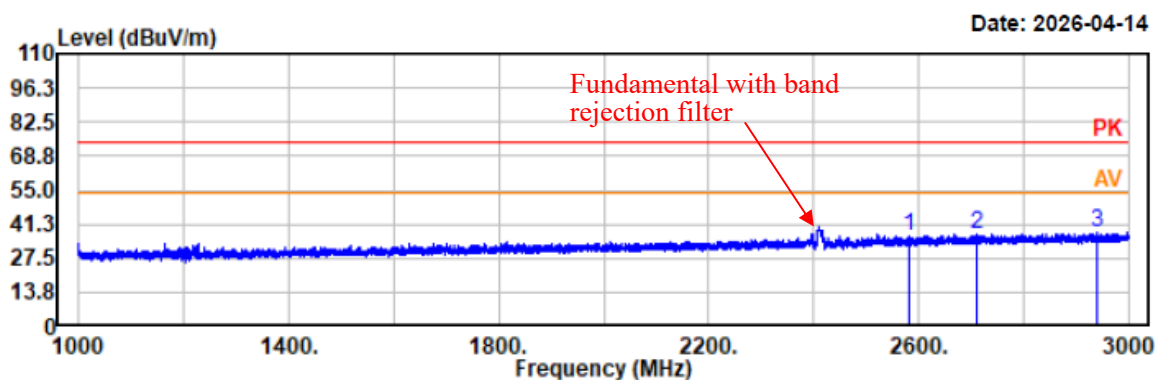
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
34.37	39.46	-7.69	31.77	40.00	8.23	Vertical	Peak
72.87	44.61	-17.00	27.61	40.00	12.39	Vertical	Peak
156.88	43.58	-11.44	32.14	43.50	11.36	Vertical	Peak
173.08	44.95	-11.93	33.02	43.50	10.48	Vertical	Peak
183.84	45.03	-12.53	32.50	43.50	11.00	Vertical	Peak
239.42	40.90	-11.77	29.13	46.00	16.87	Vertical	Peak

3) 1GHz~3GHz

Configuration 1#(Scanner variant)

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

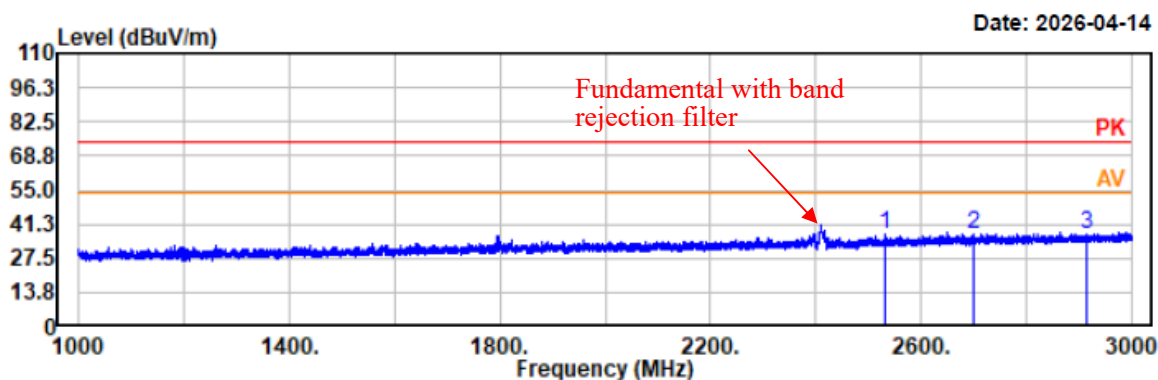


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2581.00	47.00	-10.50	36.50	74.00	37.50	horizontal	Peak
2710.80	47.19	-10.02	37.17	74.00	36.83	horizontal	Peak
2940.20	47.09	-9.34	37.75	74.00	36.25	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

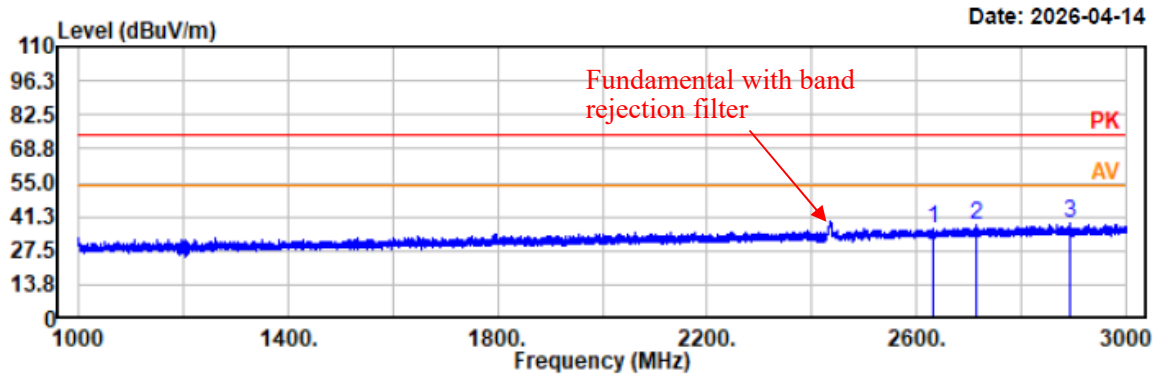


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2530.20	47.55	-10.68	36.87	74.00	37.13	vertical	Peak
2699.40	47.44	-10.03	37.41	74.00	36.59	vertical	Peak
2916.00	47.05	-9.51	37.54	74.00	36.46	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

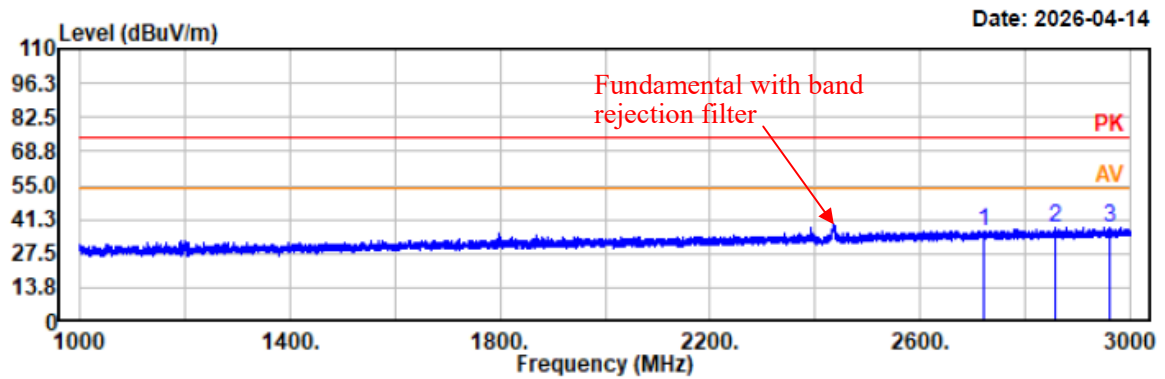


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2632.60	46.97	-10.29	36.68	74.00	37.32	horizontal	Peak
2713.40	47.67	-10.01	37.66	74.00	36.34	horizontal	Peak
2894.60	48.36	-9.63	38.73	74.00	35.27	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

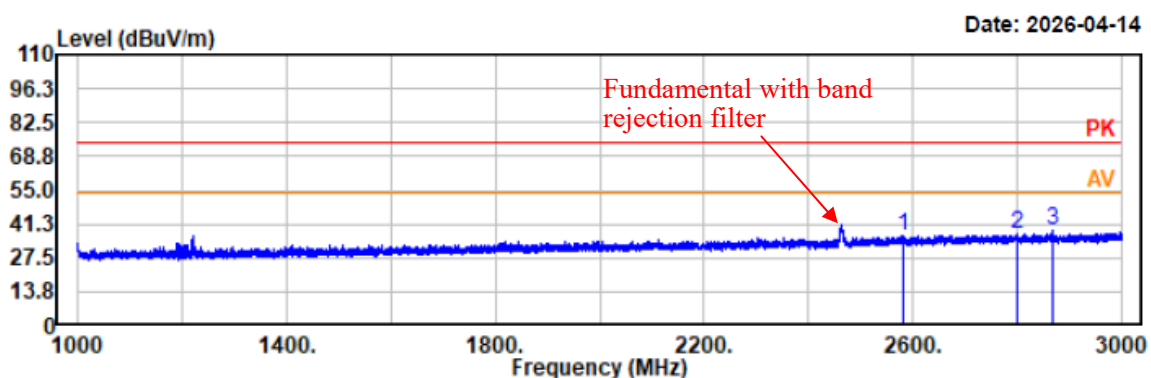


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2720.80	46.55	-10.00	36.55	74.00	37.45	vertical	Peak
2858.80	47.59	-9.65	37.94	74.00	36.06	vertical	Peak
2962.20	46.93	-9.21	37.72	74.00	36.28	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

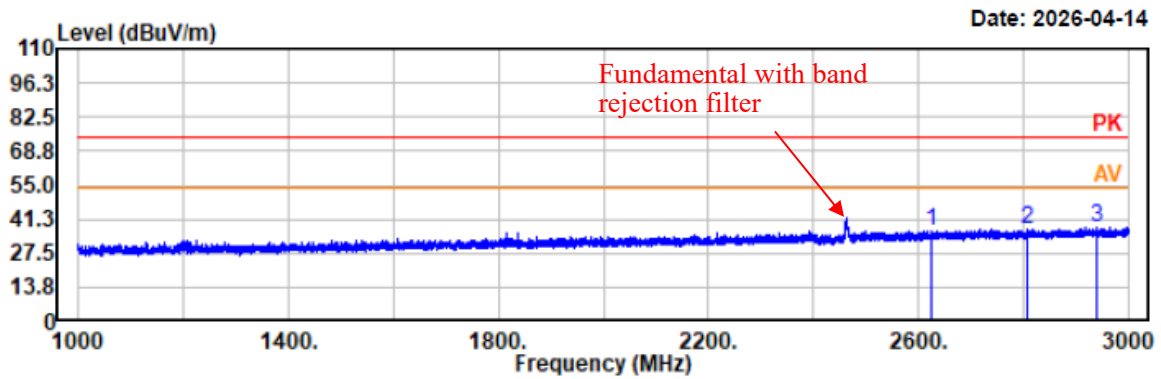


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2580.20	47.07	-10.50	36.57	74.00	37.43	horizontal	Peak
2799.80	46.91	-9.77	37.14	74.00	36.86	horizontal	Peak
2869.80	48.07	-9.65	38.42	74.00	35.58	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

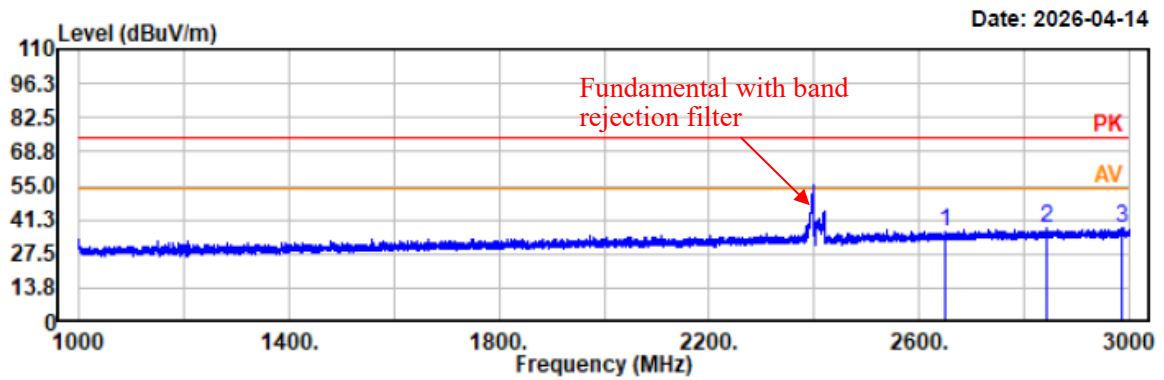


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2624.20	47.01	-10.32	36.69	74.00	37.31	vertical	Peak
2806.20	46.77	-9.76	37.01	74.00	36.99	vertical	Peak
2939.40	47.38	-9.34	38.04	74.00	35.96	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

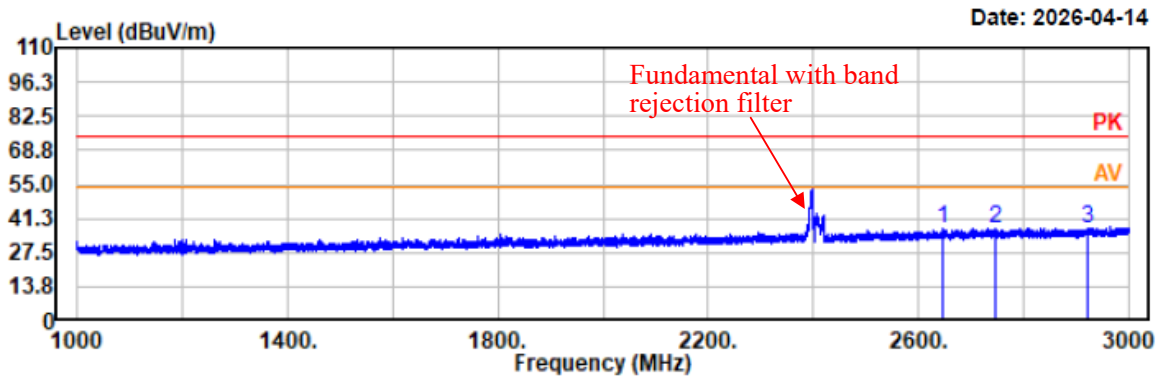


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2648.60	46.92	-10.23	36.69	74.00	37.31	horizontal	Peak
2844.20	47.49	-9.66	37.83	74.00	36.17	horizontal	Peak
2985.00	46.87	-9.08	37.79	74.00	36.21	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

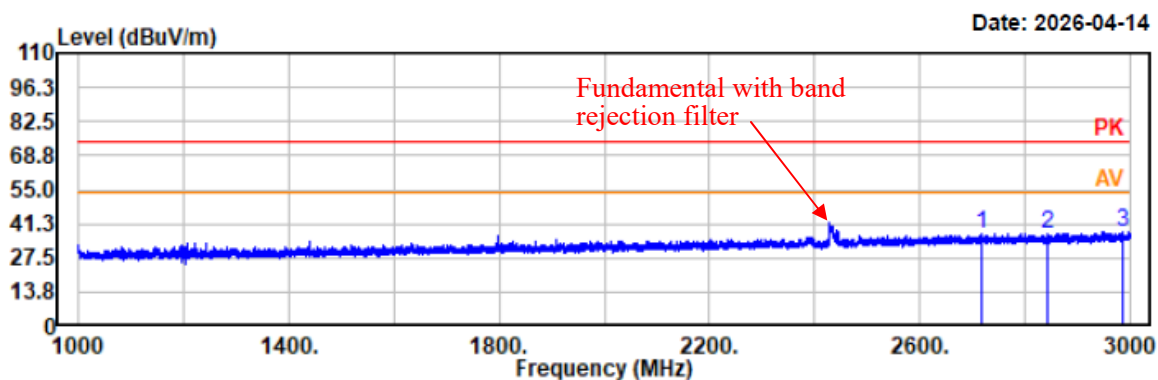


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2647.80	47.26	-10.23	37.03	74.00	36.97	vertical	Peak
2745.80	47.43	-9.96	37.47	74.00	36.53	vertical	Peak
2922.00	46.99	-9.47	37.52	74.00	36.48	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

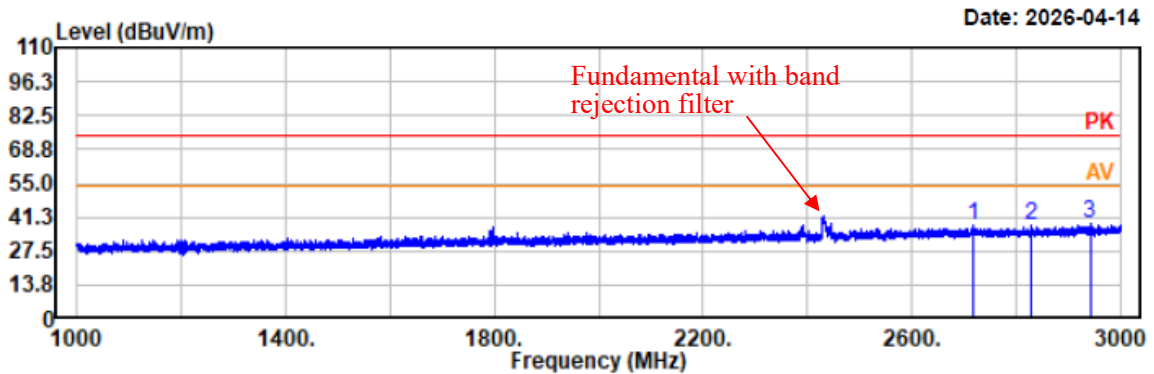


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2717.80	47.21	-10.00	37.21	74.00	36.79	horizontal	Peak
2843.20	46.91	-9.67	37.24	74.00	36.76	horizontal	Peak
2986.00	47.24	-9.08	38.16	74.00	35.84	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

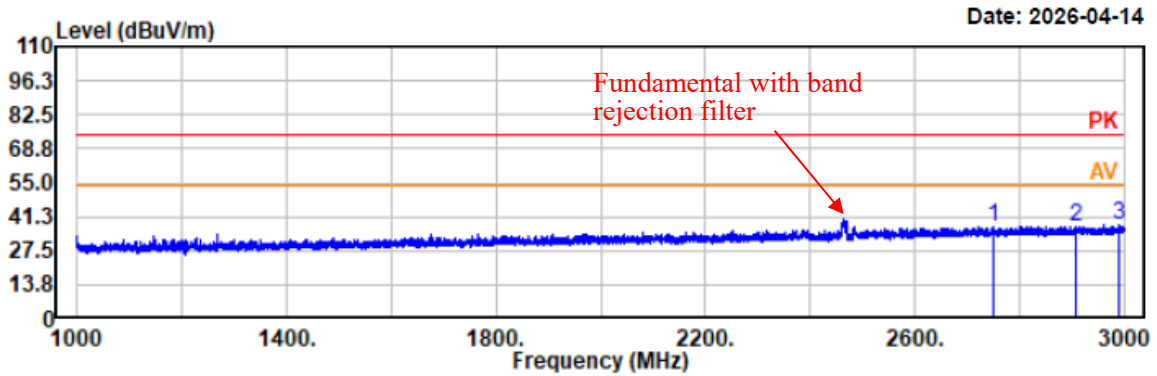


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2718.80	47.78	-10.00	37.78	74.00	36.22	vertical	Peak
2829.80	47.33	-9.69	37.64	74.00	36.36	vertical	Peak
2941.60	48.05	-9.33	38.72	74.00	35.28	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

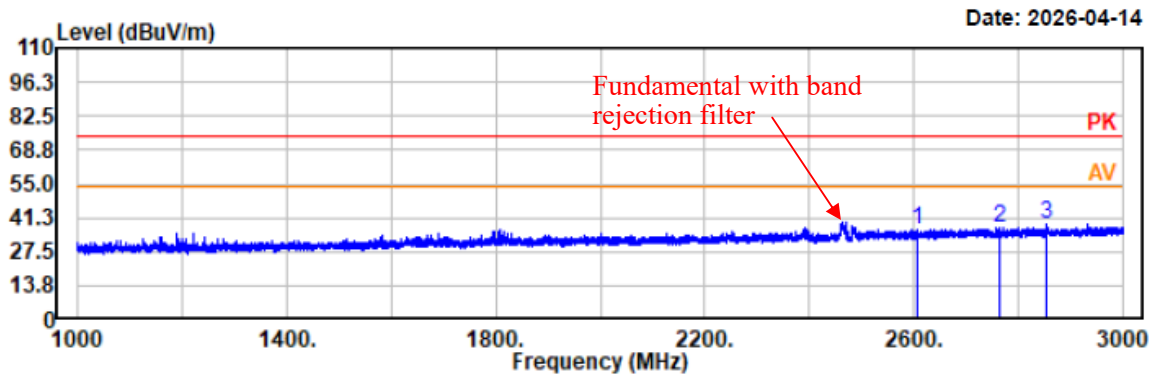


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2750.60	46.83	-9.95	36.88	74.00	37.12	horizontal	Peak
2906.20	47.07	-9.58	37.49	74.00	36.51	horizontal	Peak
2989.80	46.94	-9.05	37.89	74.00	36.11	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

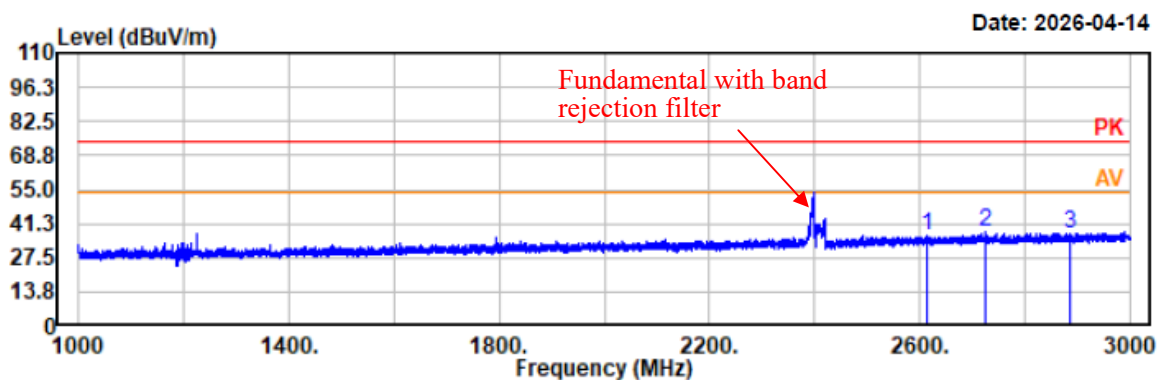


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2606.80	46.61	-10.39	36.22	74.00	37.78	vertical	Peak
2764.80	47.38	-9.89	37.49	74.00	36.51	vertical	Peak
2855.20	48.15	-9.65	38.50	74.00	35.50	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

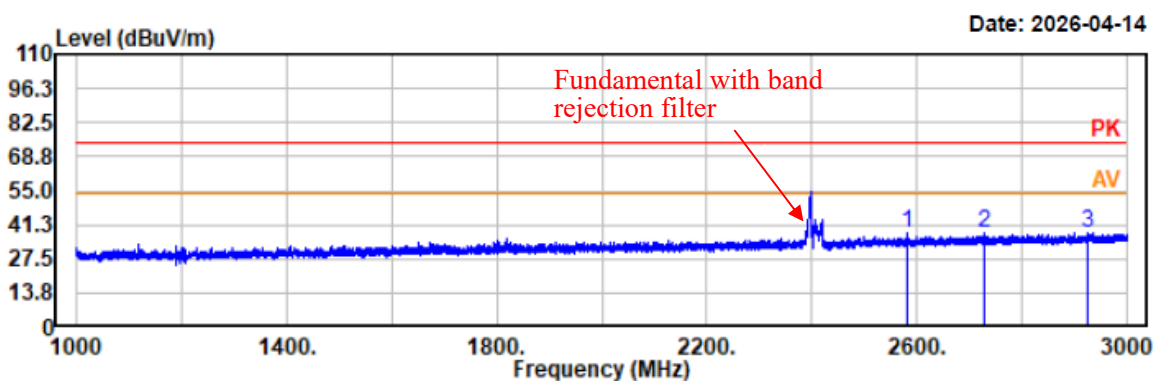


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2613.00	46.98	-10.36	36.62	74.00	37.38	horizontal	Peak
2725.80	48.04	-9.99	38.05	74.00	35.95	horizontal	Peak
2884.80	46.89	-9.64	37.25	74.00	36.75	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

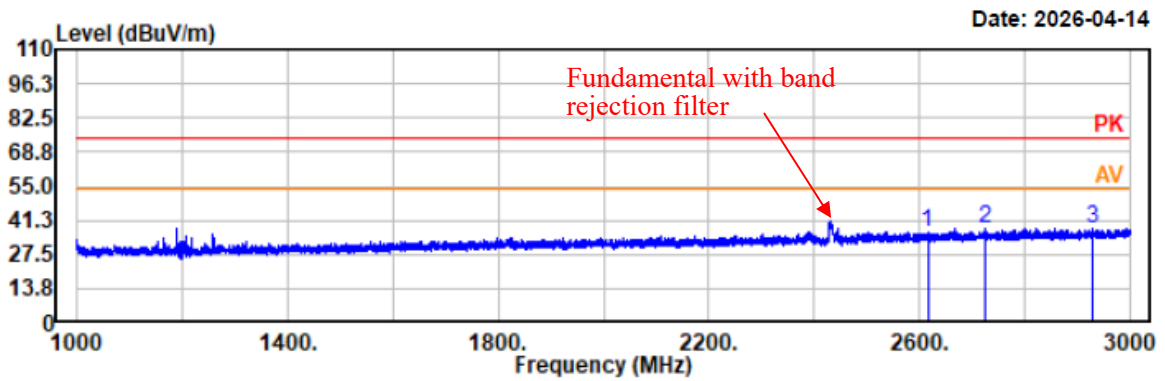


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2583.40	48.67	-10.49	38.18	74.00	35.82	vertical	Peak
2730.20	48.04	-9.99	38.05	74.00	35.95	vertical	Peak
2927.20	47.35	-9.44	37.91	74.00	36.09	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

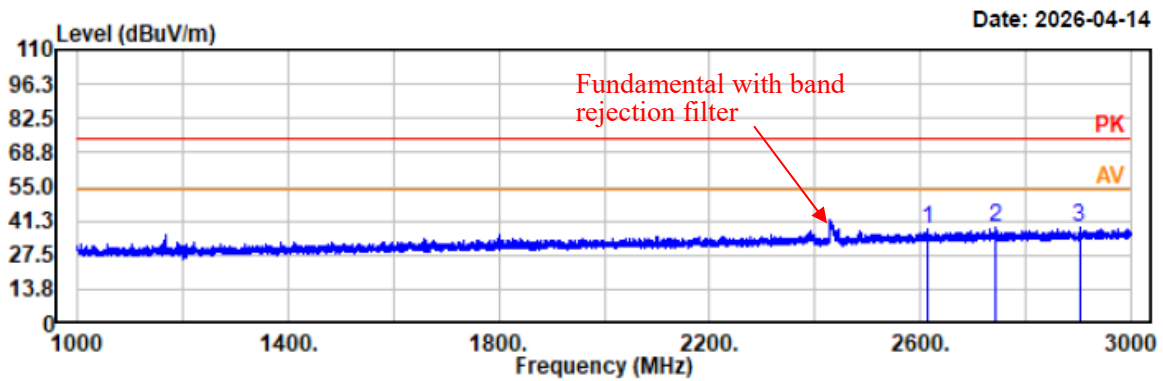


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2615.80	46.94	-10.35	36.59	74.00	37.41	horizontal	Peak
2725.40	47.90	-9.99	37.91	74.00	36.09	horizontal	Peak
2927.40	47.53	-9.44	38.09	74.00	35.91	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

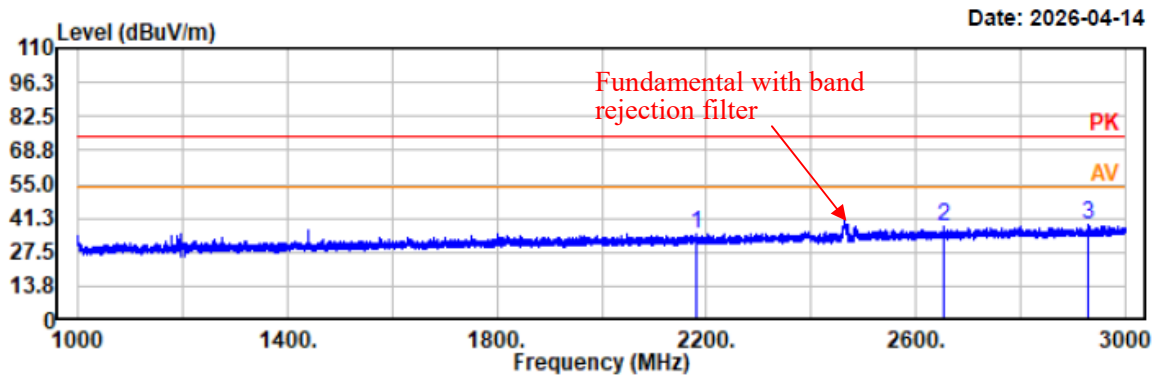


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2614.20	47.94	-10.35	37.59	74.00	36.41	vertical	Peak
2744.60	48.29	-9.96	38.33	74.00	35.67	vertical	Peak
2902.20	48.00	-9.62	38.38	74.00	35.62	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

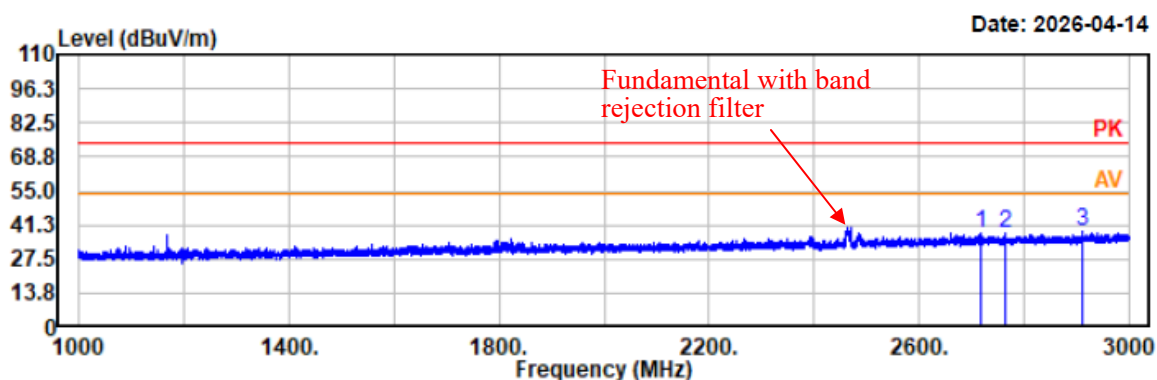


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2180.40	47.06	-12.06	35.00	74.00	39.00	horizontal	Peak
2654.80	48.04	-10.21	37.83	74.00	36.17	horizontal	Peak
2930.60	47.78	-9.41	38.37	74.00	35.63	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

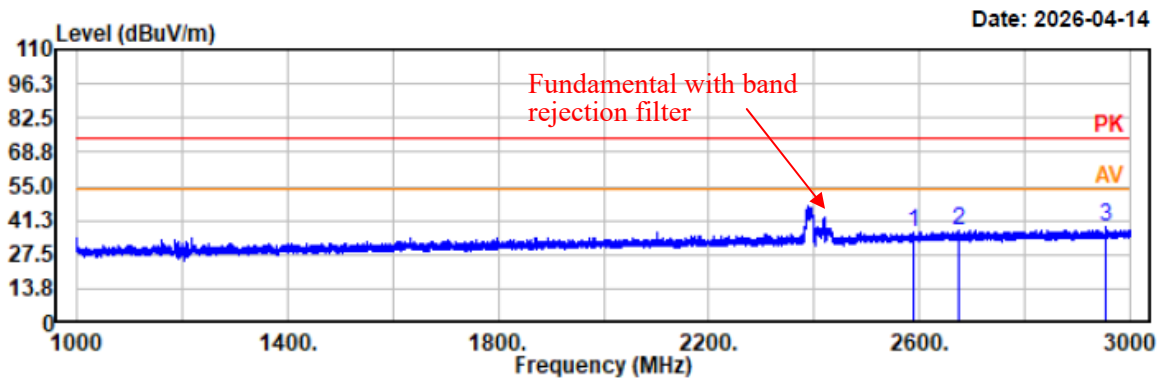


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2716.20	47.77	-10.01	37.76	74.00	36.24	vertical	Peak
2764.40	47.52	-9.89	37.63	74.00	36.37	vertical	Peak
2910.80	48.33	-9.56	38.77	74.00	35.23	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

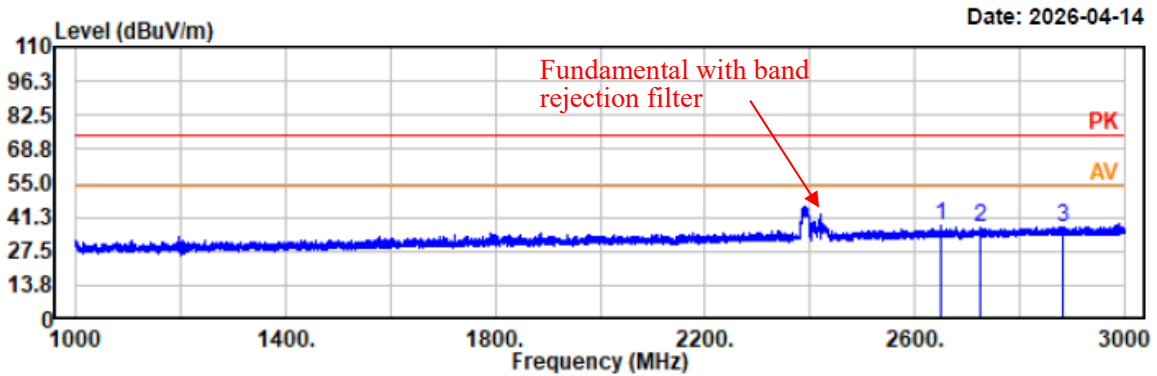


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2590.00	47.21	-10.46	36.75	74.00	37.25	horizontal	Peak
2676.20	47.10	-10.13	36.97	74.00	37.03	horizontal	Peak
2954.40	47.73	-9.24	38.49	74.00	35.51	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

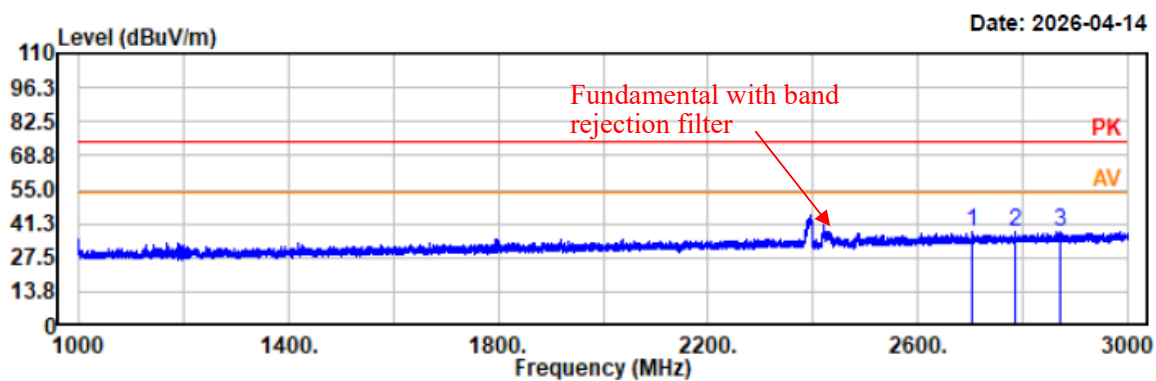


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2648.20	48.07	-10.23	37.84	74.00	36.16	vertical	Peak
2725.60	47.45	-9.99	37.46	74.00	36.54	vertical	Peak
2882.40	46.92	-9.65	37.27	74.00	36.73	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

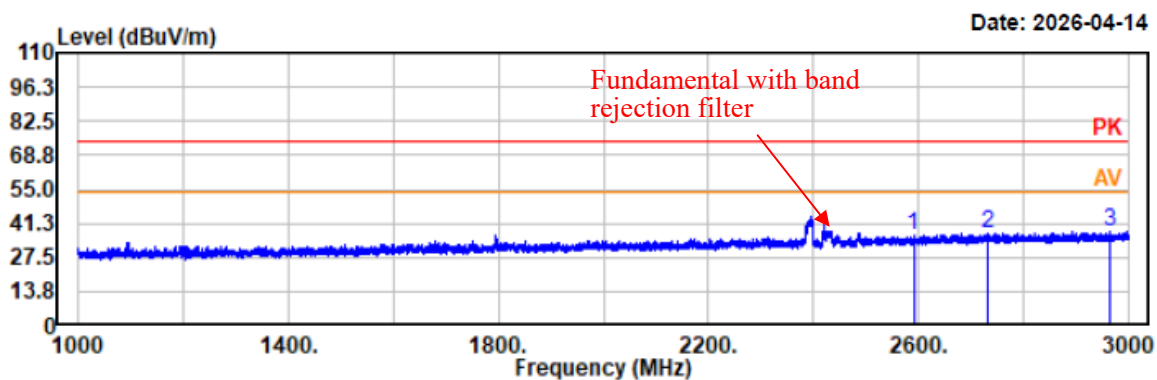


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2704.60	47.90	-10.02	37.88	74.00	36.12	horizontal	Peak
2784.60	47.73	-9.82	37.91	74.00	36.09	horizontal	Peak
2870.40	47.57	-9.65	37.92	74.00	36.08	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

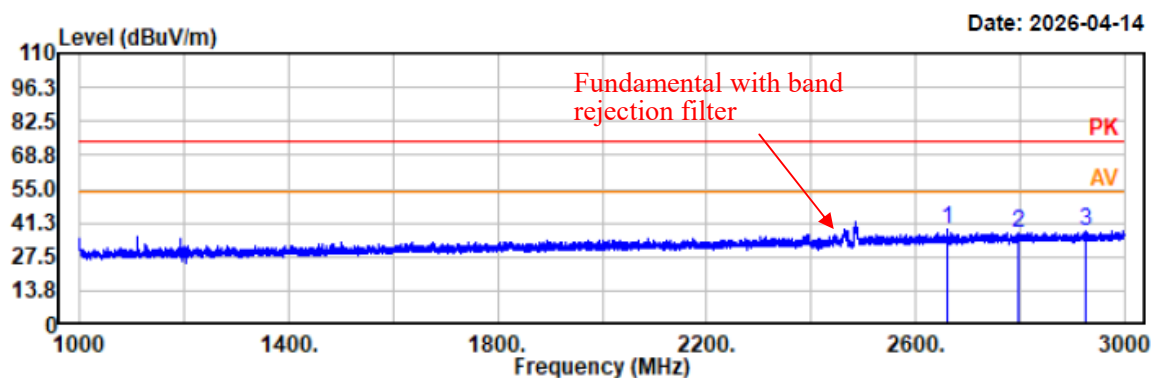


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2590.80	47.18	-10.46	36.72	74.00	37.28	vertical	Peak
2730.60	47.19	-9.99	37.20	74.00	36.80	vertical	Peak
2963.80	47.33	-9.19	38.14	74.00	35.86	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

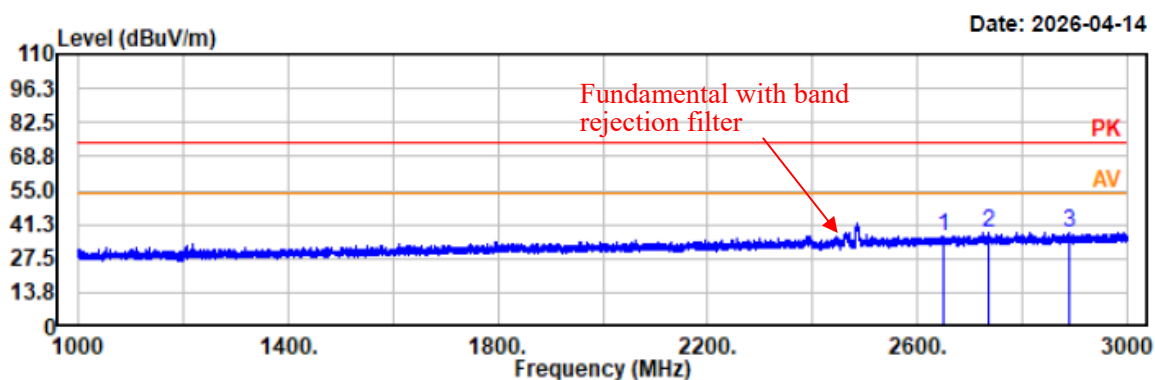


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2662.00	48.66	-10.18	38.48	74.00	35.52	horizontal	Peak
2797.40	47.05	-9.78	37.27	74.00	36.73	horizontal	Peak
2924.80	47.04	-9.45	37.59	74.00	36.41	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

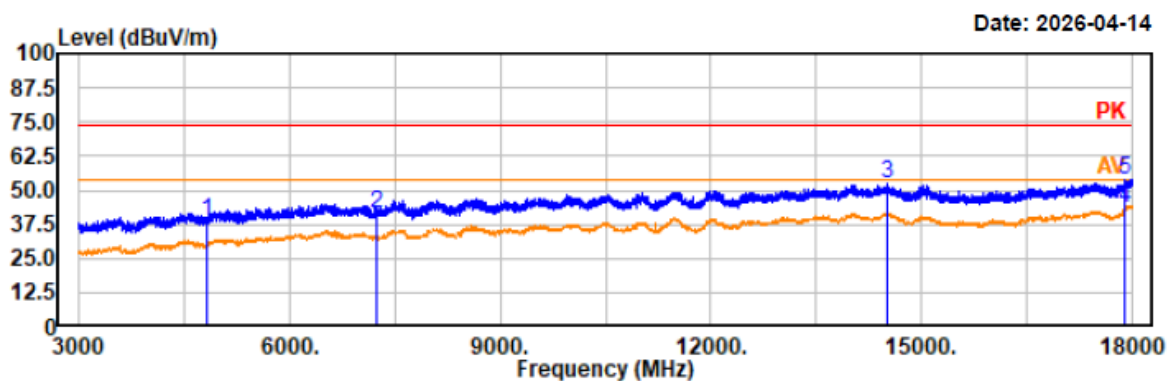
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2648.20	46.41	-10.23	36.18	74.00	37.82	vertical	Peak
2737.20	47.61	-9.98	37.63	74.00	36.37	vertical	Peak
2889.20	47.44	-9.64	37.80	74.00	36.20	vertical	Peak

4) 3GHz~18GHz

Configuration 1#(Scanner variant)

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

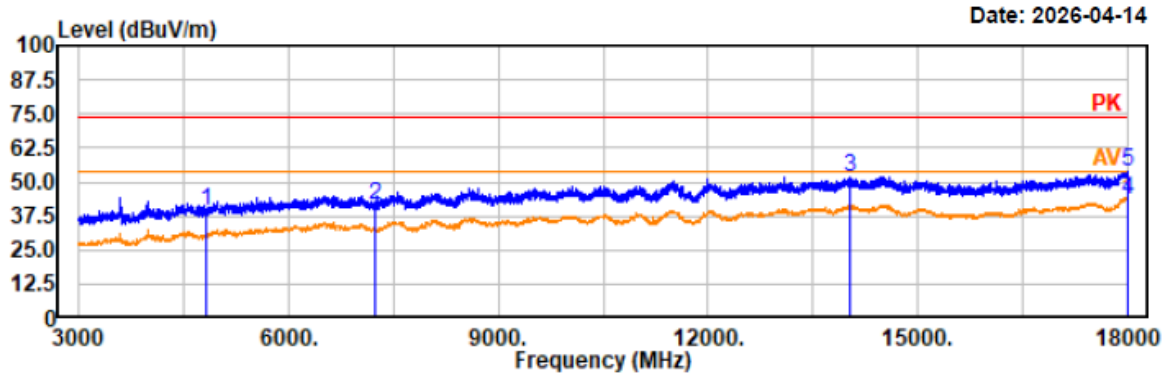
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	44.22	-5.26	38.96	74.00	35.04	horizontal	Peak
7236.00	44.08	-2.47	41.61	74.00	32.39	horizontal	Peak
14512.50	46.98	5.15	52.13	74.00	21.87	horizontal	Peak
17910.00	36.38	6.78	43.16	54.00	10.84	horizontal	Average
17910.00	47.19	6.78	53.97	74.00	20.03	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

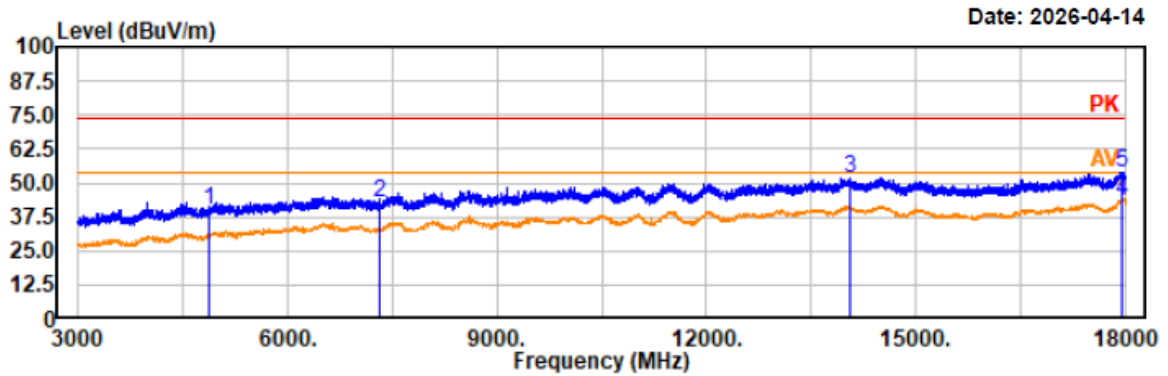
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	44.30	-5.26	39.04	74.00	34.96	vertical	Peak
7236.00	43.75	-2.47	41.28	74.00	32.72	vertical	Peak
14040.00	46.74	5.20	51.94	74.00	22.06	vertical	Peak
17998.50	36.34	6.84	43.18	54.00	10.82	vertical	Average
17998.50	47.00	6.84	53.84	74.00	20.16	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

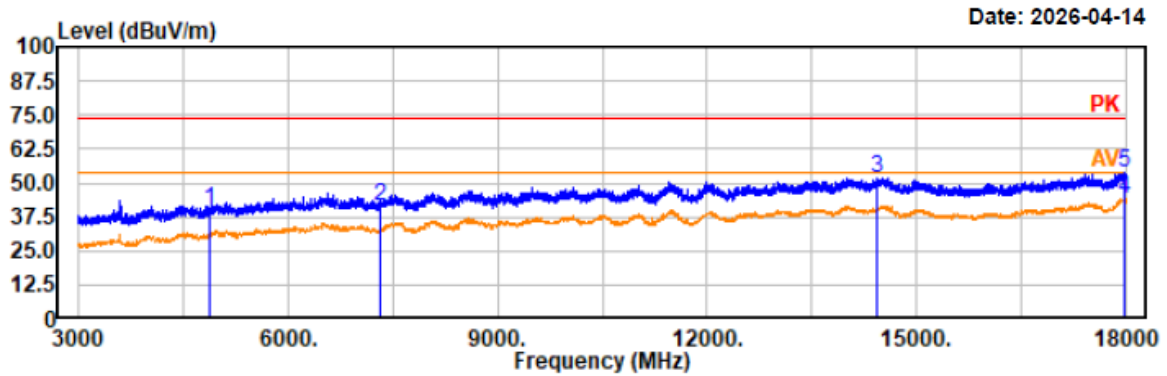
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.99	-5.24	39.75	74.00	34.25	horizontal	Peak
7311.00	45.11	-2.30	42.81	74.00	31.19	horizontal	Peak
14046.00	46.70	5.21	51.91	74.00	22.09	horizontal	Peak
17956.50	36.97	6.82	43.79	54.00	10.21	horizontal	Average
17956.50	46.97	6.82	53.79	74.00	20.21	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

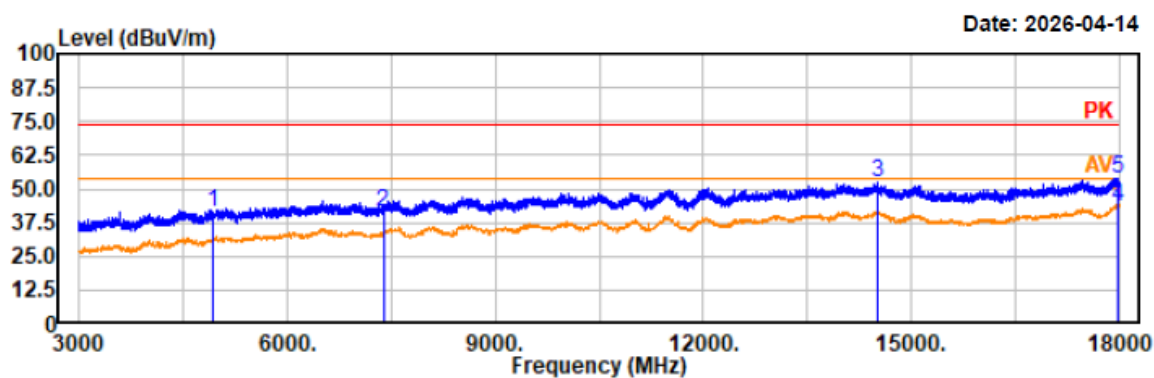
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	45.46	-5.24	40.22	74.00	33.78	vertical	Peak
7311.00	43.38	-2.30	41.08	74.00	32.92	vertical	Peak
14424.00	46.43	5.27	51.70	74.00	22.30	vertical	Peak
17982.00	37.08	6.83	43.91	54.00	10.09	vertical	Average
17982.00	47.17	6.83	54.00	74.00	20.00	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

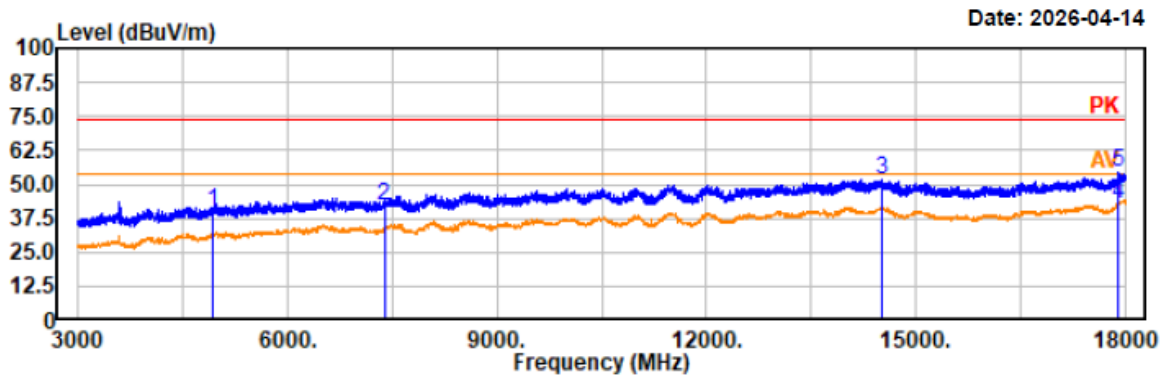
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	46.40	-5.18	41.22	74.00	32.78	horizontal	Peak
7386.00	43.63	-2.21	41.42	74.00	32.58	horizontal	Peak
14509.50	46.99	5.14	52.13	74.00	21.87	horizontal	Peak
17973.00	36.57	6.82	43.39	54.00	10.61	horizontal	Average
17973.00	46.90	6.82	53.72	74.00	20.28	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

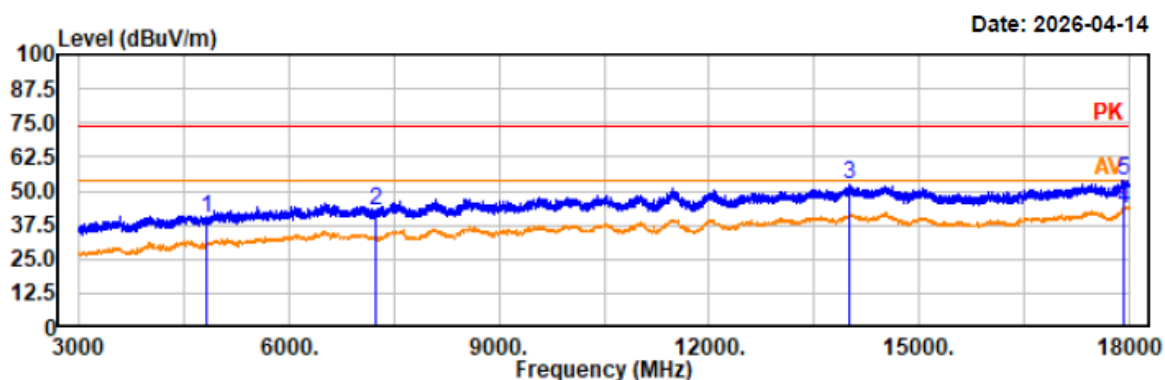
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	45.37	-5.18	40.19	74.00	33.81	vertical	Peak
7386.00	44.01	-2.21	41.80	74.00	32.20	vertical	Peak
14511.00	46.52	5.14	51.66	74.00	22.34	vertical	Peak
17889.00	35.94	6.75	42.69	54.00	11.31	vertical	Average
17889.00	47.52	6.75	54.27	74.00	19.73	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

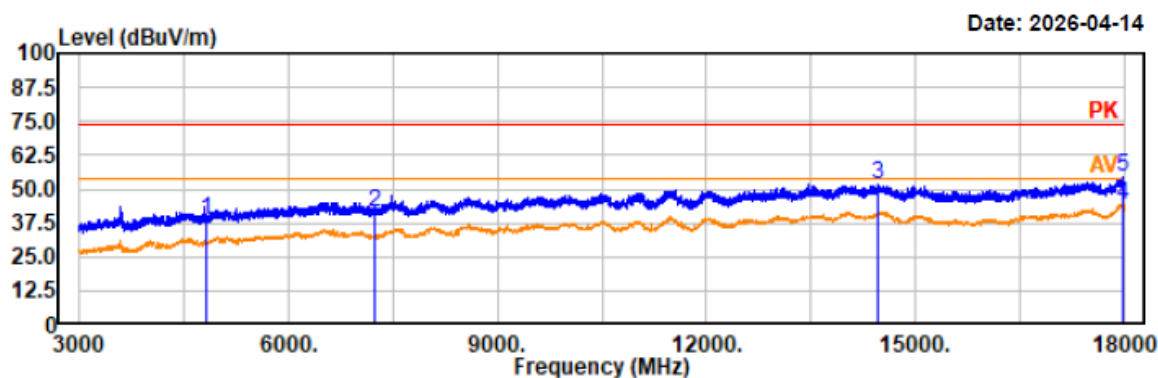
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	45.14	-5.26	39.88	74.00	34.12	horizontal	Peak
7236.00	45.39	-2.47	42.92	74.00	31.08	horizontal	Peak
14008.50	47.21	5.15	52.36	74.00	21.64	horizontal	Peak
17917.50	36.65	6.79	43.44	54.00	10.56	horizontal	Average
17917.50	47.23	6.79	54.02	74.00	19.98	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

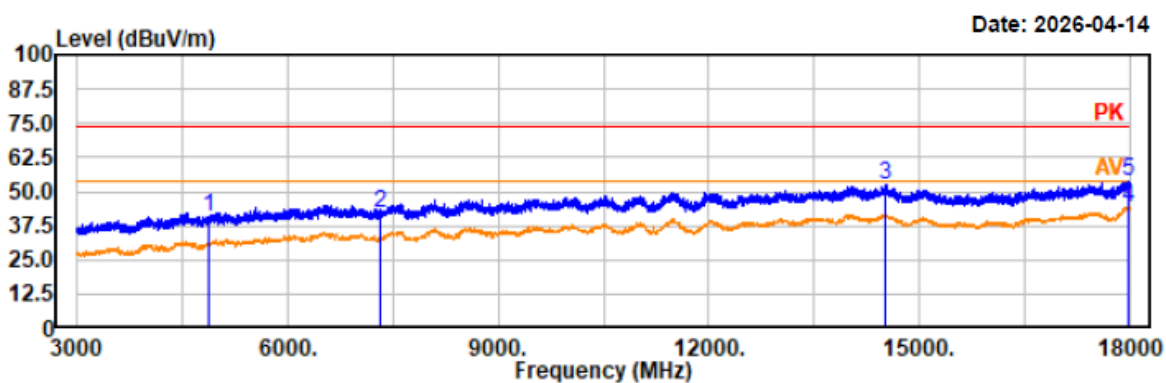
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	43.63	-5.26	38.37	74.00	35.63	vertical	Peak
7236.00	44.10	-2.47	41.63	74.00	32.37	vertical	Peak
14472.00	46.21	5.20	51.41	74.00	22.59	vertical	Peak
17988.00	37.22	6.83	44.05	54.00	9.95	vertical	Average
17988.00	47.81	6.83	54.64	74.00	19.36	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

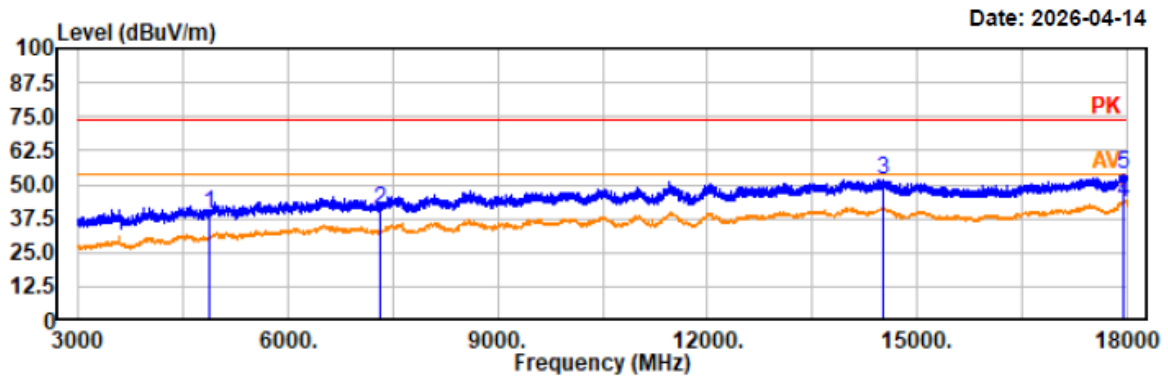
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	45.63	-5.24	40.39	74.00	33.61	horizontal	Peak
7311.00	44.37	-2.30	42.07	74.00	31.93	horizontal	Peak
14520.00	47.12	5.14	52.26	74.00	21.74	horizontal	Peak
17991.00	36.98	6.83	43.81	54.00	10.19	horizontal	Average
17991.00	47.10	6.83	53.93	74.00	20.07	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

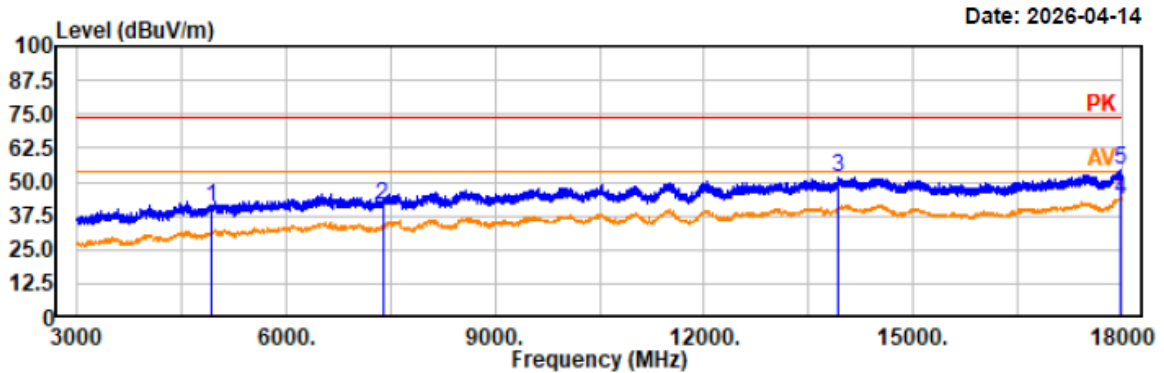
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.61	-5.24	39.37	74.00	34.63	vertical	Peak
7311.00	43.30	-2.30	41.00	74.00	33.00	vertical	Peak
14520.00	46.84	5.14	51.98	74.00	22.02	vertical	Peak
17940.00	36.38	6.80	43.18	54.00	10.82	vertical	Average
17940.00	46.65	6.80	53.45	74.00	20.55	vertical	Peak

Project No.: 2607P42218E-RF
 Test Mode: 802.11g 2462MHz
 EUT Model: AXIUM DX8
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



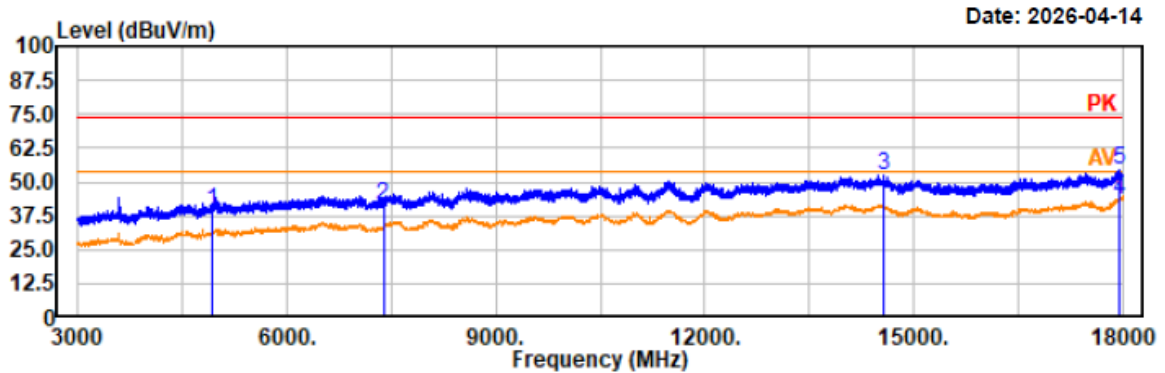
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
 AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	45.85	-5.18	40.67	74.00	33.33	horizontal	Peak
7386.00	43.81	-2.21	41.60	74.00	32.40	horizontal	Peak
13935.00	46.67	5.11	51.78	74.00	22.22	horizontal	Peak
17967.00	36.54	6.82	43.36	54.00	10.64	horizontal	Average
17967.00	47.90	6.82	54.72	74.00	19.28	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

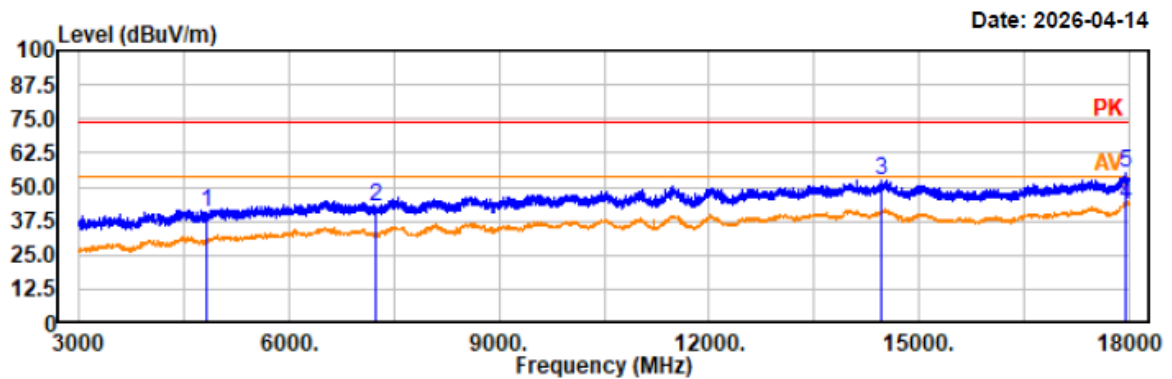
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	44.62	-5.18	39.44	74.00	34.56	vertical	Peak
7386.00	43.70	-2.21	41.49	74.00	32.51	vertical	Peak
14568.00	47.62	5.07	52.69	74.00	21.31	vertical	Peak
17947.50	36.56	6.81	43.37	54.00	10.63	vertical	Average
17947.50	47.34	6.81	54.15	74.00	19.85	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

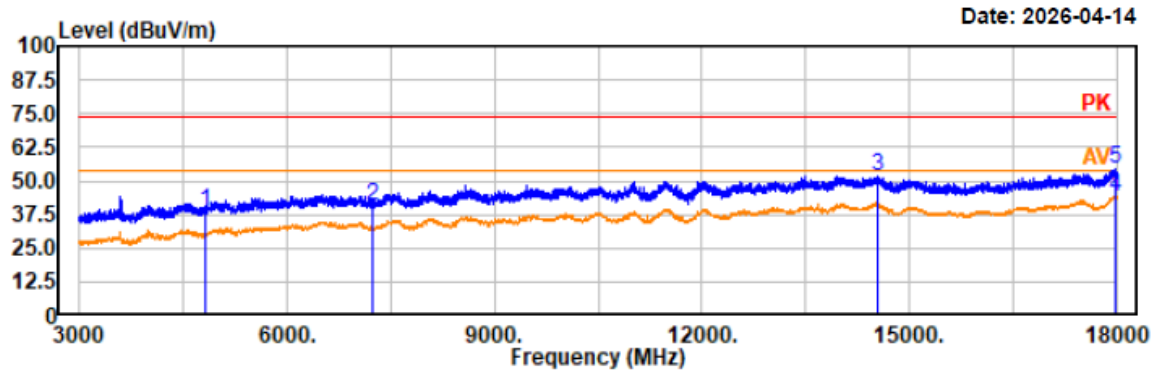
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	45.98	-5.26	40.72	74.00	33.28	horizontal	Peak
7236.00	44.91	-2.47	42.44	74.00	31.56	horizontal	Peak
14458.50	46.97	5.21	52.18	74.00	21.82	horizontal	Peak
17958.00	36.61	6.82	43.43	54.00	10.57	horizontal	Average
17958.00	48.41	6.82	55.23	74.00	18.77	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

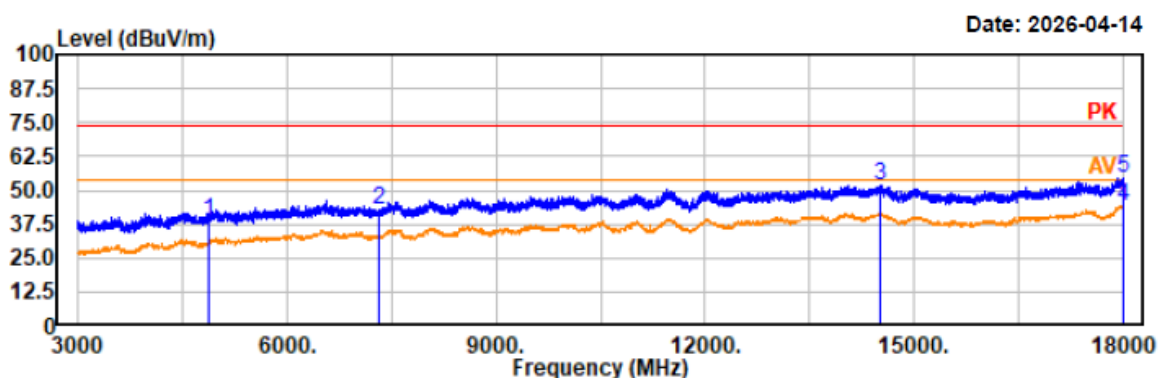
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	44.13	-5.26	38.87	74.00	35.13	vertical	Peak
7236.00	43.46	-2.47	40.99	74.00	33.01	vertical	Peak
14532.00	46.93	5.12	52.05	74.00	21.95	vertical	Peak
17989.50	37.40	6.83	44.23	54.00	9.77	vertical	Average
17989.50	47.35	6.83	54.18	74.00	19.82	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

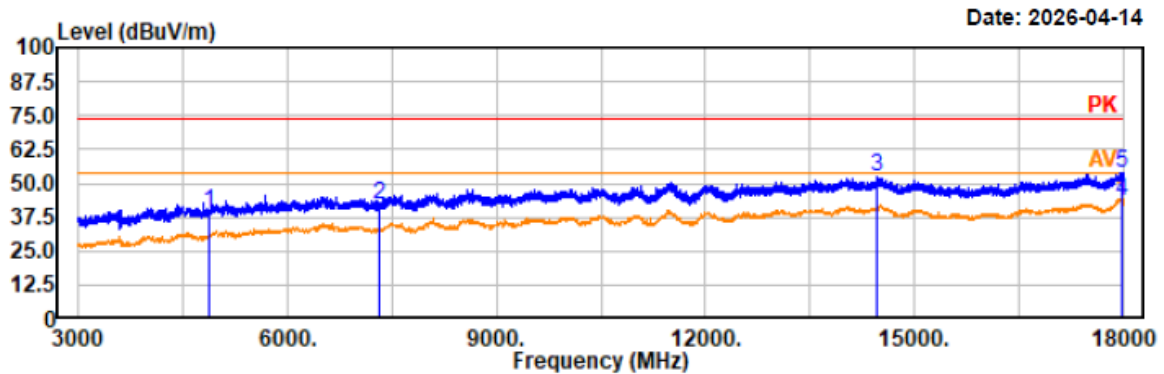
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.11	-5.24	38.87	74.00	35.13	horizontal	Peak
7311.00	45.18	-2.30	42.88	74.00	31.12	horizontal	Peak
14511.00	46.40	5.14	51.54	74.00	22.46	horizontal	Peak
17995.50	37.29	6.84	44.13	54.00	9.87	horizontal	Average
17995.50	47.84	6.84	54.68	74.00	19.32	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

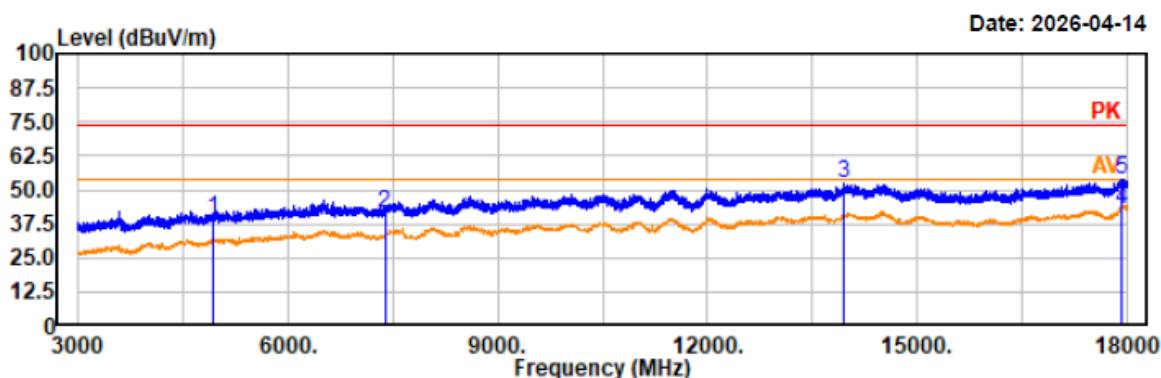
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.50	-5.24	39.26	74.00	34.74	vertical	Peak
7311.00	44.64	-2.30	42.34	74.00	31.66	vertical	Peak
14467.50	46.90	5.20	52.10	74.00	21.90	vertical	Peak
17989.50	36.91	6.83	43.74	54.00	10.26	vertical	Average
17989.50	47.16	6.83	53.99	74.00	20.01	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

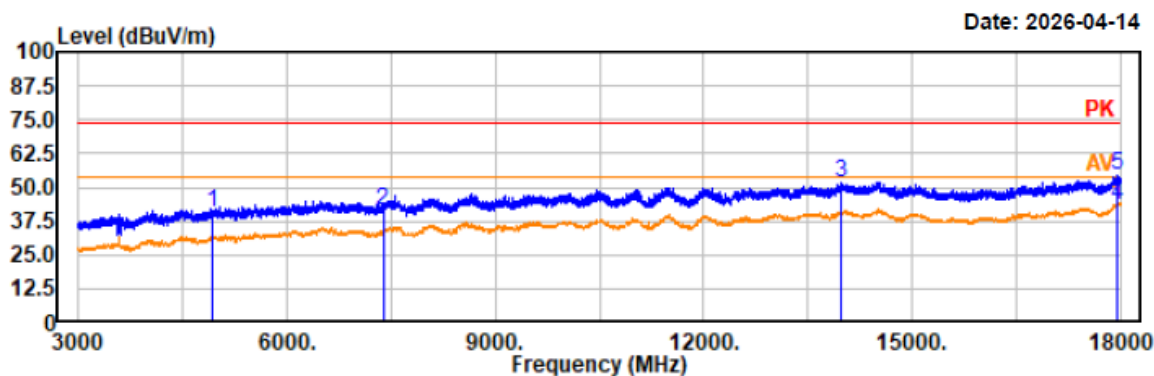
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	44.72	-5.18	39.54	74.00	34.46	horizontal	Peak
7386.00	43.83	-2.21	41.62	74.00	32.38	horizontal	Peak
13963.50	47.40	5.13	52.53	74.00	21.47	horizontal	Peak
17917.50	36.10	6.79	42.89	54.00	11.11	horizontal	Average
17917.50	47.24	6.79	54.03	74.00	19.97	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

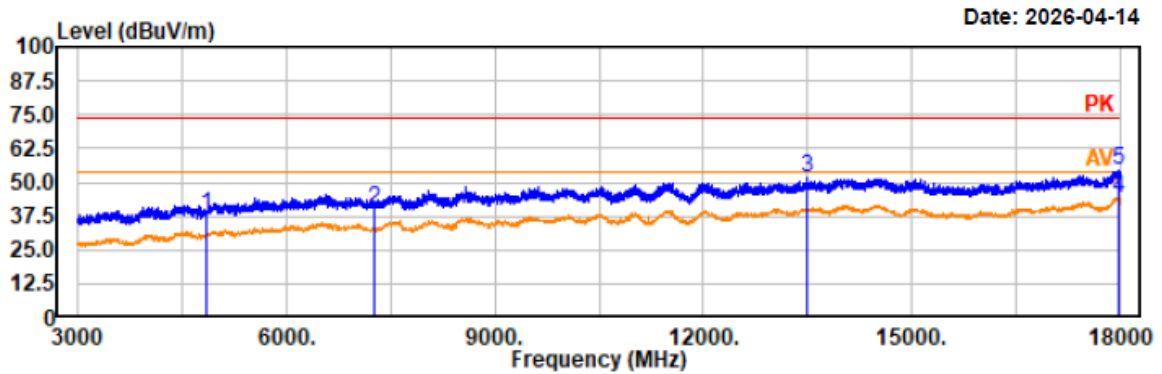
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	45.87	-5.18	40.69	74.00	33.31	vertical	Peak
7386.00	43.75	-2.21	41.54	74.00	32.46	vertical	Peak
13989.00	46.53	5.13	51.66	74.00	22.34	vertical	Peak
17940.00	36.57	6.80	43.37	54.00	10.63	vertical	Average
17940.00	47.38	6.80	54.18	74.00	19.82	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

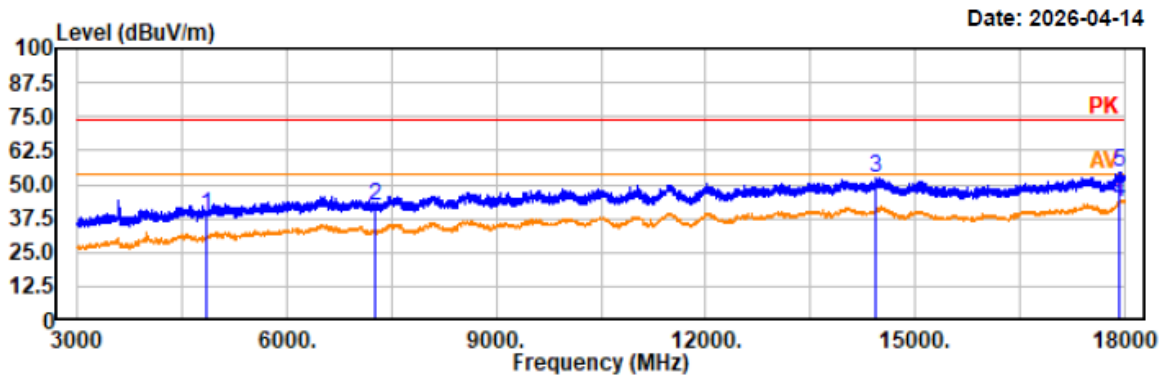
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4844.00	43.48	-5.25	38.23	74.00	35.77	horizontal	Peak
7266.00	42.44	-2.39	40.05	74.00	33.95	horizontal	Peak
13503.00	46.74	4.65	51.39	74.00	22.61	horizontal	Peak
17986.50	37.14	6.83	43.97	54.00	10.03	horizontal	Average
17986.50	47.34	6.83	54.17	74.00	19.83	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

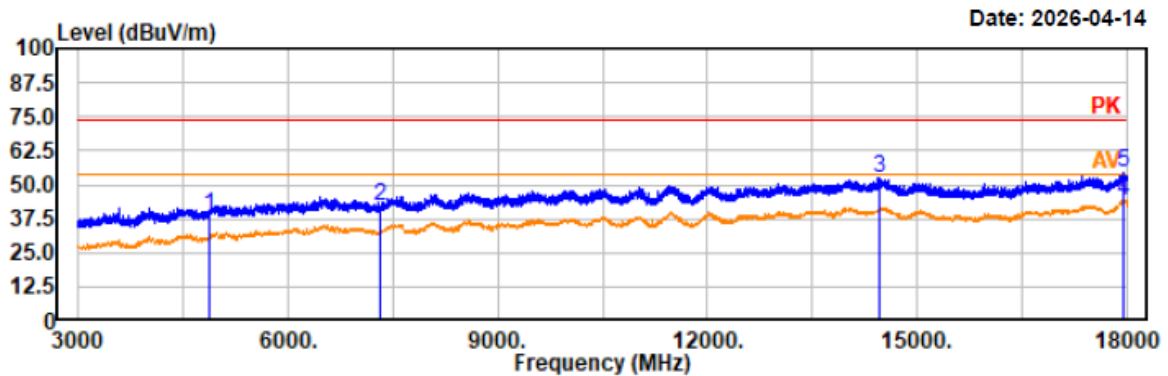
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4844.00	43.93	-5.25	38.68	74.00	35.32	vertical	Peak
7266.00	44.71	-2.39	42.32	74.00	31.68	vertical	Peak
14442.00	47.27	5.24	52.51	74.00	21.49	vertical	Peak
17935.50	36.57	6.80	43.37	54.00	10.63	vertical	Average
17935.50	47.76	6.80	54.56	74.00	19.44	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

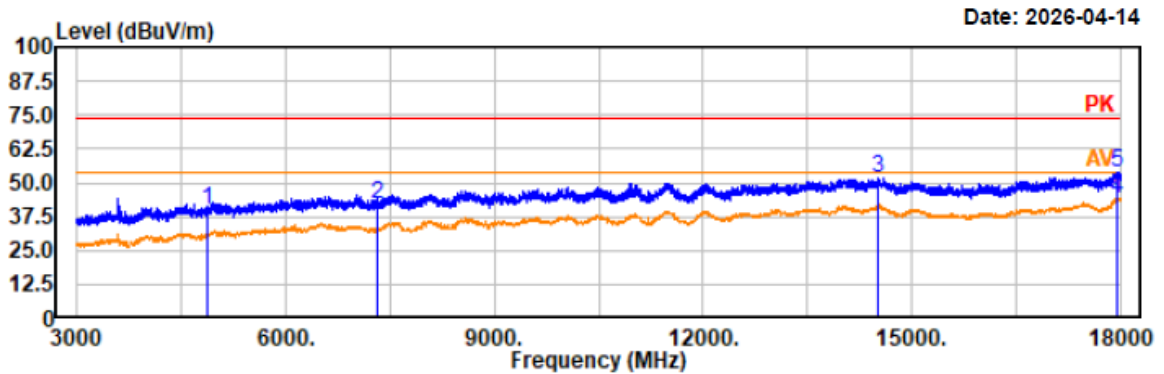
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.08	-5.24	38.84	74.00	35.16	horizontal	Peak
7311.00	44.53	-2.30	42.23	74.00	31.77	horizontal	Peak
14458.50	47.18	5.21	52.39	74.00	21.61	horizontal	Peak
17941.50	37.28	6.80	44.08	54.00	9.92	horizontal	Average
17941.50	47.70	6.80	54.50	74.00	19.50	horizontal	Peak

Project No.: 2607P42218E-RF
 Test Mode: 802.11n40 2437MHz
 EUT Model: AXIUM DX8
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



Trace: 1

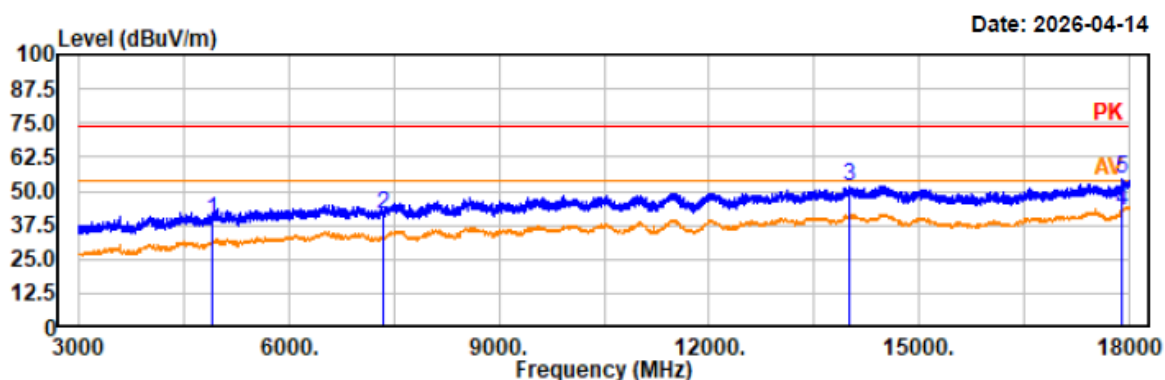
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	45.27	-5.24	40.03	74.00	33.97	vertical	Peak
7311.00	44.13	-2.30	41.83	74.00	32.17	vertical	Peak
14506.50	46.47	5.15	51.62	74.00	22.38	vertical	Peak
17952.00	37.20	6.81	44.01	54.00	9.99	vertical	Average
17952.00	47.25	6.81	54.06	74.00	19.94	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

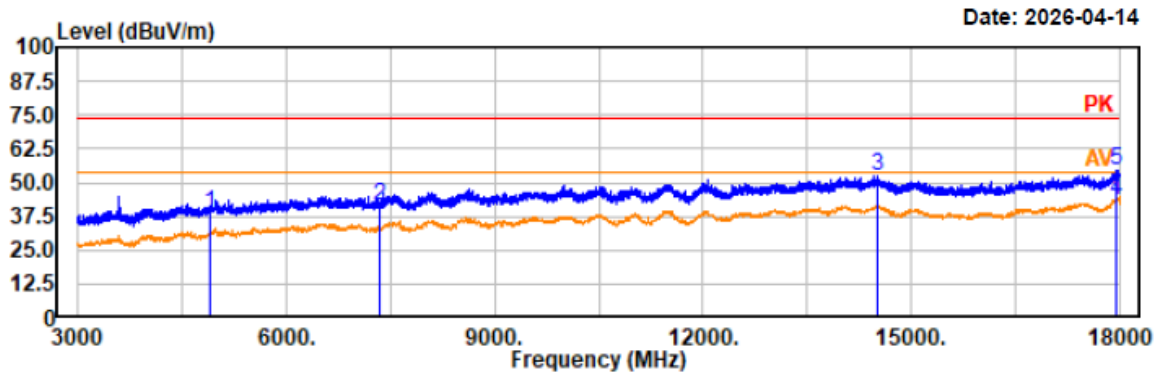
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4904.00	44.36	-5.23	39.13	74.00	34.87	horizontal	Peak
7356.00	43.86	-2.21	41.65	74.00	32.35	horizontal	Peak
14008.50	46.74	5.15	51.89	74.00	22.11	horizontal	Peak
17905.50	36.21	6.78	42.99	54.00	11.01	horizontal	Average
17905.50	47.42	6.78	54.20	74.00	19.80	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4904.00	43.71	-5.23	38.48	74.00	35.52	vertical	Peak
7356.00	43.52	-2.21	41.31	74.00	32.69	vertical	Peak
14527.50	47.26	5.12	52.38	74.00	21.62	vertical	Peak
17964.00	36.93	6.81	43.74	54.00	10.26	vertical	Average
17964.00	47.49	6.81	54.30	74.00	19.70	vertical	Peak

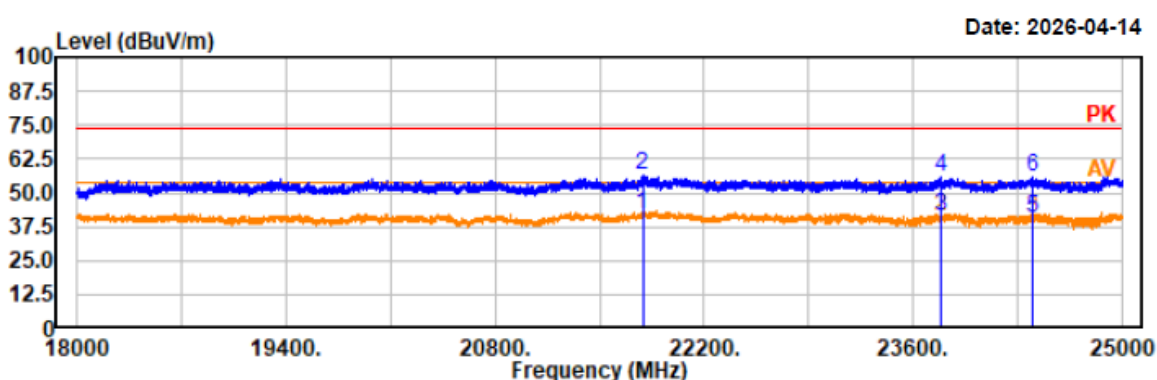
5) 18-25GHz

Note: The maximum output power mode: WiFi 802.11b middle channel was tested.

Configuration 1#(Scanner variant)

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 1.5m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

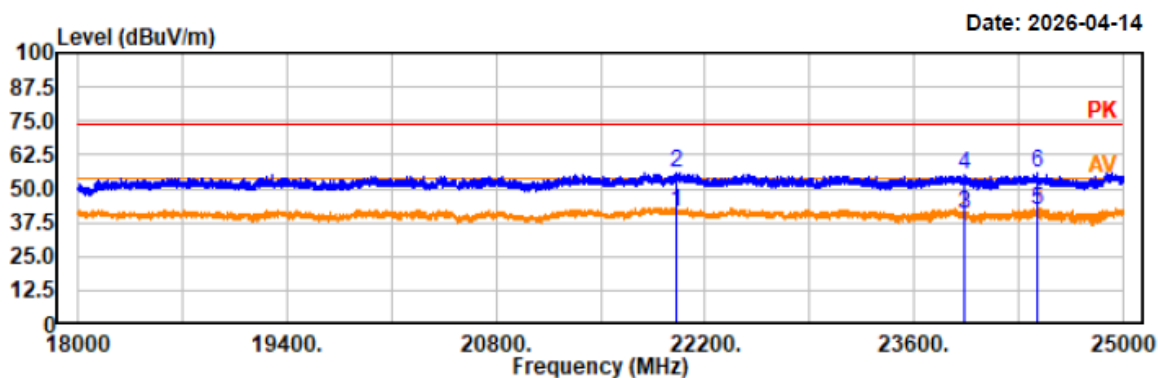
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
21788.40	37.39	4.94	42.33	54.00	11.67	horizontal	Average
21788.40	51.52	4.94	56.46	74.00	17.54	horizontal	Peak
23791.80	35.90	5.19	41.09	54.00	12.91	horizontal	Average
23791.80	50.71	5.19	55.90	74.00	18.10	horizontal	Peak
24405.00	34.66	6.10	40.76	54.00	13.24	horizontal	Average
24405.00	49.80	6.10	55.90	74.00	18.10	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 1.5m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

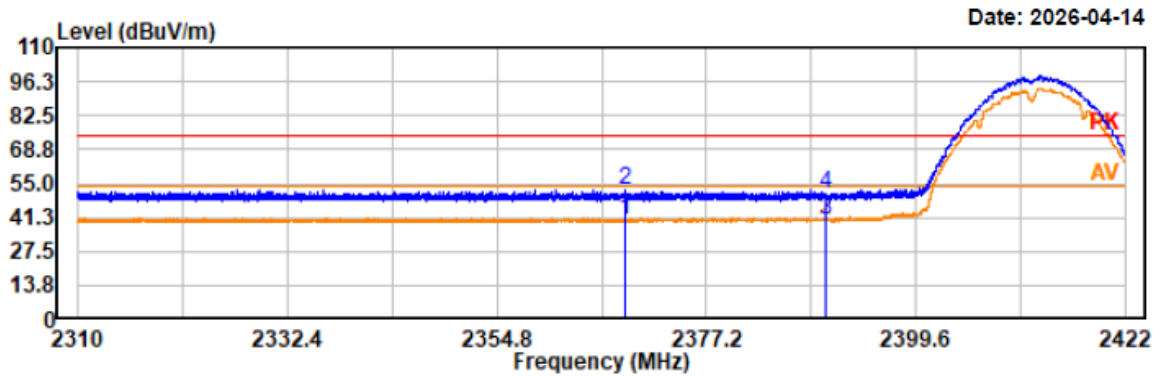
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
22010.30	35.86	5.24	41.10	54.00	12.90	vertical	Average
22010.30	50.71	5.24	55.95	74.00	18.05	vertical	Peak
23937.40	35.41	5.41	40.82	54.00	13.18	vertical	Average
23937.40	49.94	5.41	55.35	74.00	18.65	vertical	Peak
24423.90	35.97	6.14	42.11	54.00	11.89	vertical	Average
24423.90	49.66	6.14	55.80	74.00	18.20	vertical	Peak

Restricted Bands Emissions:**Configuration 1#(Scanner variant)**

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



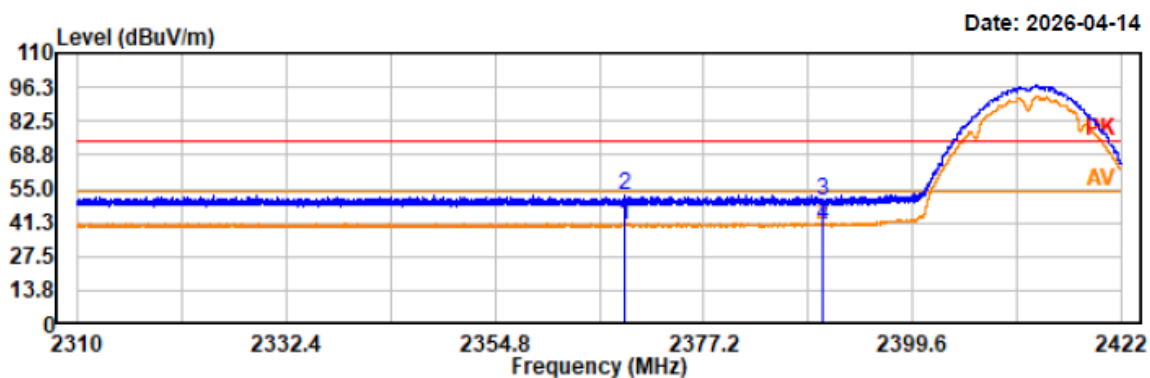
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2368.59	35.42	4.65	40.07	54.00	13.93	horizontal	Average
2368.59	47.64	4.65	52.29	74.00	21.71	horizontal	Peak
2390.00	35.70	4.74	40.43	54.00	13.57	horizontal	Average
2390.00	45.98	4.74	50.71	74.00	23.29	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

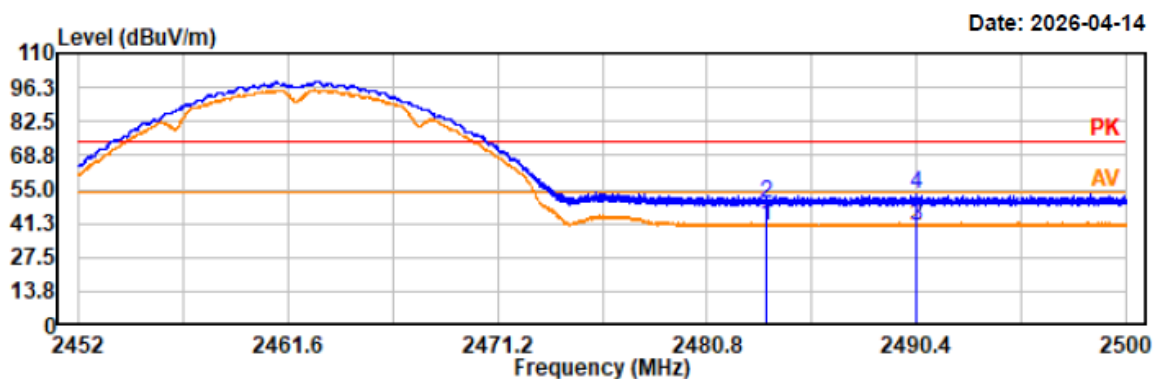
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2368.63	35.19	4.65	39.84	54.00	14.16	vertical	Average
2368.63	47.89	4.65	52.54	74.00	21.46	vertical	Peak
2390.00	44.96	4.74	49.70	74.00	24.30	vertical	Peak
2390.00	35.38	4.74	40.12	54.00	13.88	vertical	Average

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

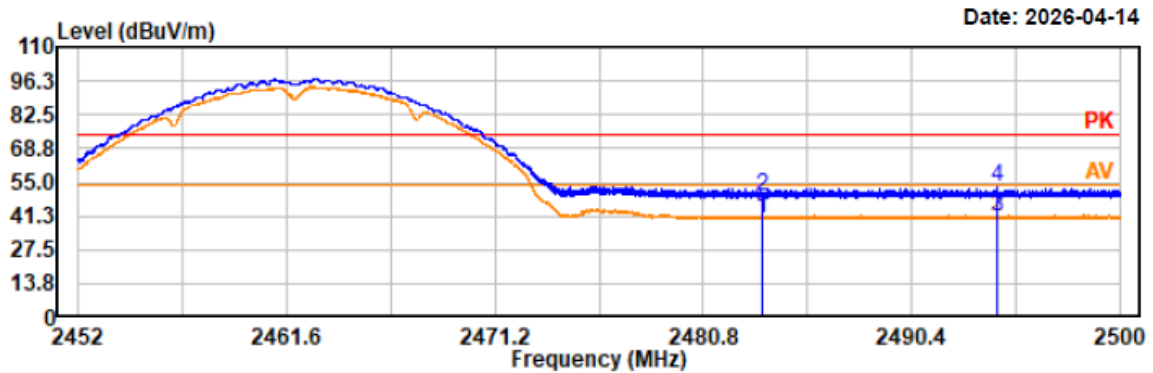
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	35.34	5.18	40.52	54.00	13.48	horizontal	Average
2483.50	44.41	5.18	49.59	74.00	24.41	horizontal	Peak
2490.43	35.27	5.21	40.48	54.00	13.52	horizontal	Average
2490.43	48.15	5.21	53.36	74.00	20.64	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



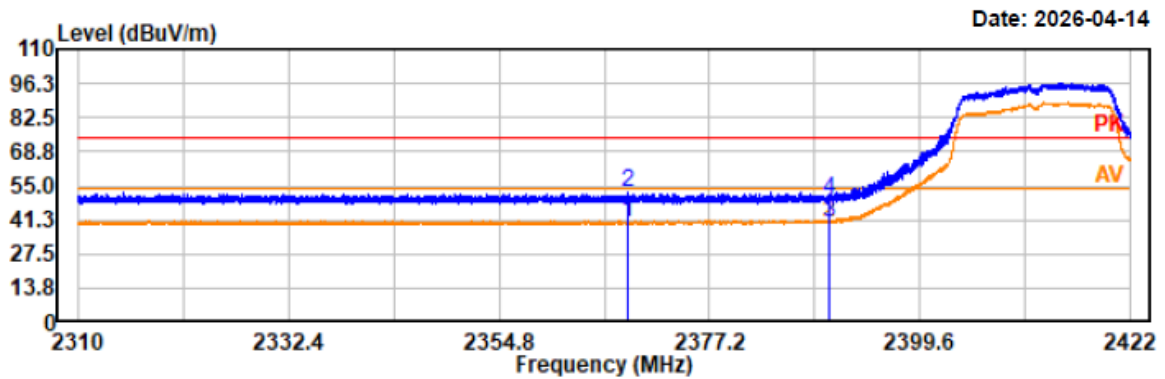
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	35.36	5.18	40.54	54.00	13.46	vertical	Average
2483.50	44.37	5.18	49.55	74.00	24.45	vertical	Peak
2494.32	35.59	5.24	40.83	54.00	13.17	vertical	Average
2494.32	47.78	5.24	53.02	74.00	20.98	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

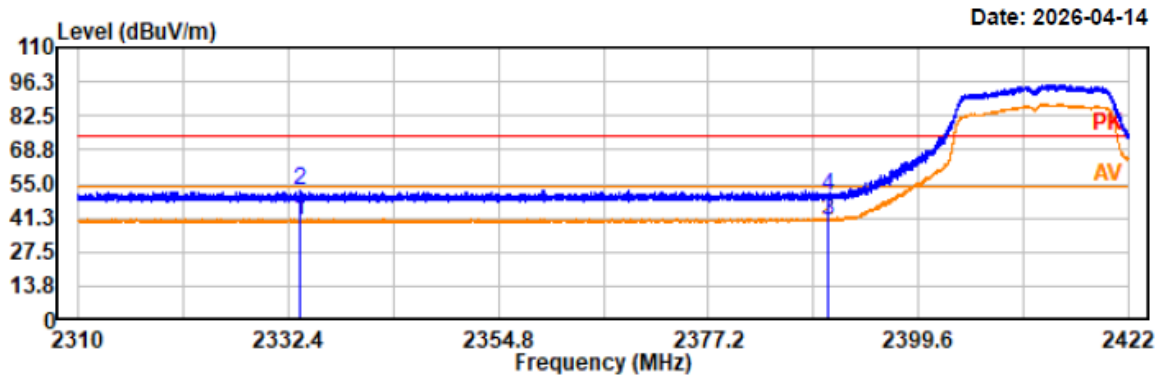
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2368.42	35.56	4.65	40.21	54.00	13.79	horizontal	Average
2368.42	47.48	4.65	52.13	74.00	21.87	horizontal	Peak
2390.00	35.65	4.74	40.39	54.00	13.61	horizontal	Average
2390.00	44.78	4.74	49.52	74.00	24.48	horizontal	Peak

Project No.: 2607P42218E-RF
 Test Mode: 802.11g 2412MHz
 EUT Model: AXIUM DX8
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



Trace: 1

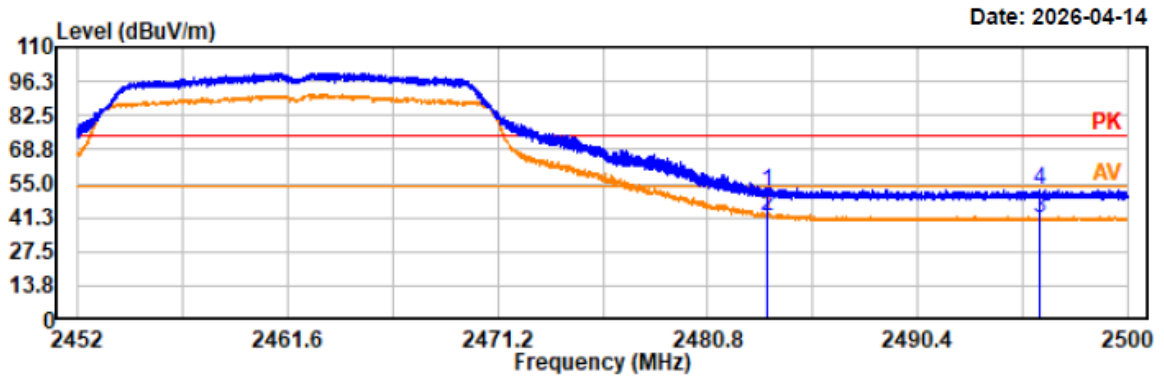
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2333.69	35.64	4.54	40.18	54.00	13.82	vertical	Average
2333.69	47.86	4.54	52.40	74.00	21.60	vertical	Peak
2390.00	35.58	4.74	40.32	54.00	13.68	vertical	Average
2390.00	45.46	4.74	50.20	74.00	23.80	vertical	Peak

Project No.: 2607P42218E-RF
 Test Mode: 802.11g 2462MHz
 EUT Model: AXIUM DX8
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



Trace: 1

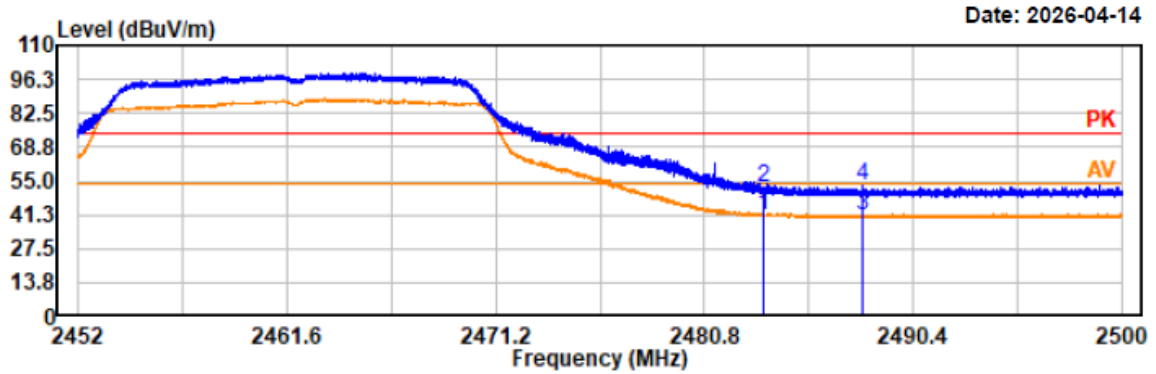
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	46.28	5.18	51.46	74.00	22.54	horizontal	Peak
2483.50	36.55	5.18	41.73	54.00	12.27	horizontal	Average
2495.99	35.63	5.24	40.87	54.00	13.13	horizontal	Average
2495.99	47.26	5.24	52.50	74.00	21.50	horizontal	Peak

Project No.: 2607P42218E-RF
 Test Mode: 802.11g 2462MHz
 EUT Model: AXIUM DX8
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



Trace: 1

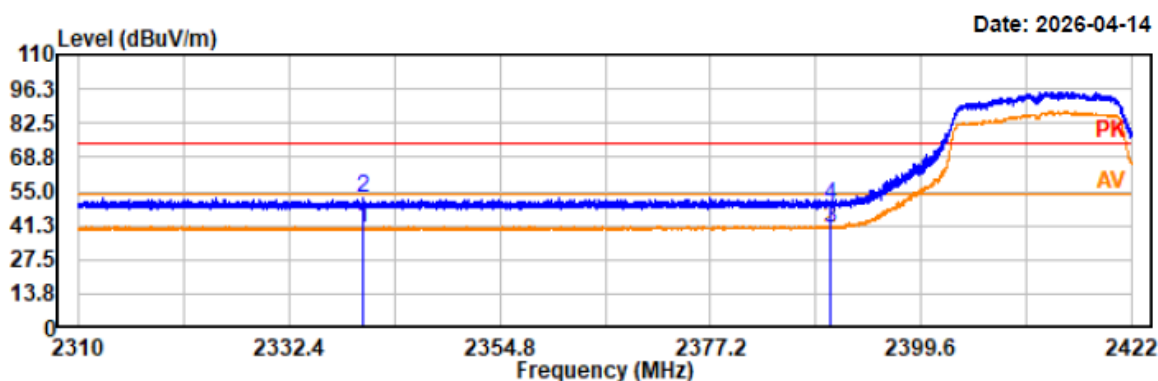
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	36.13	5.18	41.31	54.00	12.69	vertical	Average
2483.50	47.47	5.18	52.65	74.00	21.35	vertical	Peak
2488.08	35.62	5.20	40.82	54.00	13.18	vertical	Average
2488.08	47.58	5.20	52.78	74.00	21.22	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

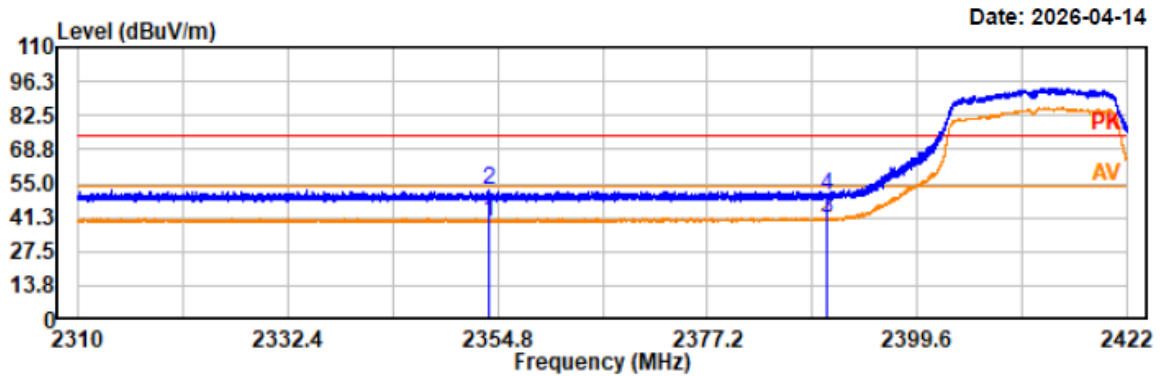
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2340.23	35.38	4.55	39.93	54.00	14.07	horizontal	Average
2340.23	47.55	4.55	52.10	74.00	21.90	horizontal	Peak
2390.00	35.78	4.74	40.52	54.00	13.48	horizontal	Average
2390.00	44.88	4.74	49.62	74.00	24.38	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

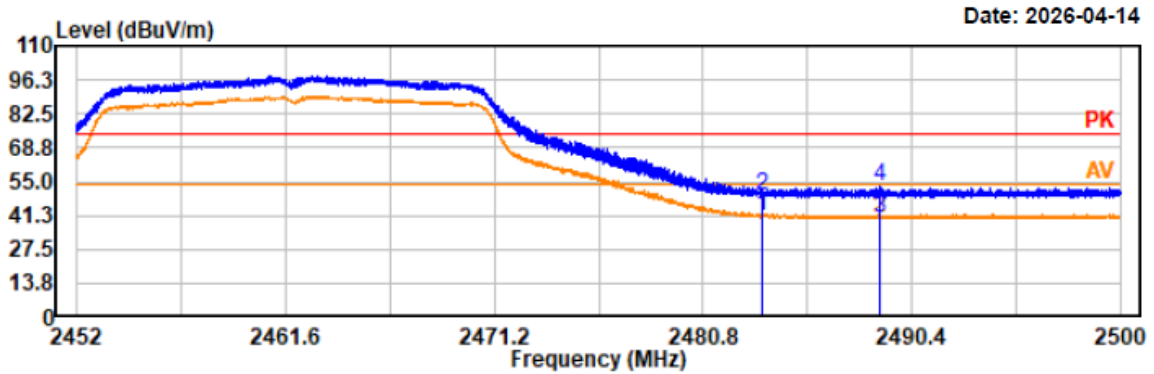
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2353.84	35.18	4.59	39.77	54.00	14.23	vertical	Average
2353.84	47.40	4.59	51.99	74.00	22.01	vertical	Peak
2390.00	35.91	4.74	40.65	54.00	13.35	vertical	Average
2390.00	45.20	4.74	49.94	74.00	24.06	vertical	Peak

Project No.: 2607P42218E-RF
 Test Mode: 802.11n20 2462MHz
 EUT Model: AXIUM DX8
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



Trace: 1

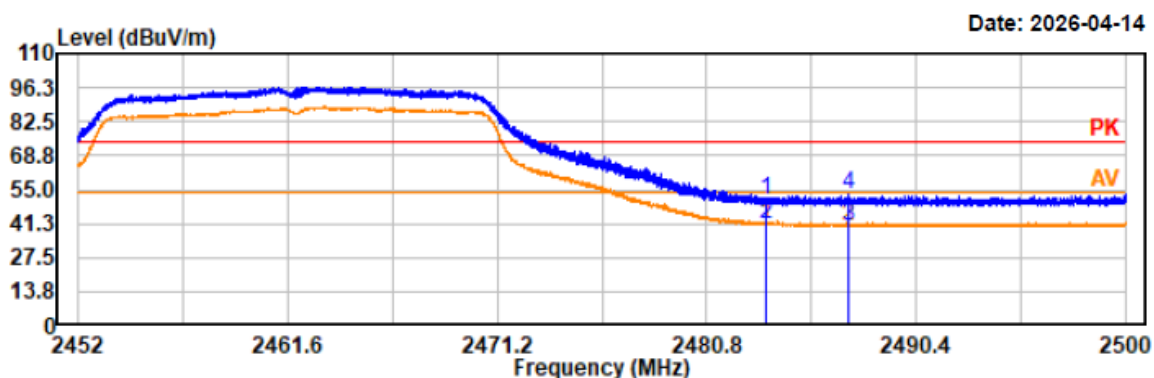
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	36.00	5.18	41.18	54.00	12.82	horizontal	Average
2483.50	44.43	5.18	49.61	74.00	24.39	horizontal	Peak
2488.90	34.88	5.21	40.09	54.00	13.91	horizontal	Average
2488.90	47.88	5.21	53.09	74.00	20.91	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

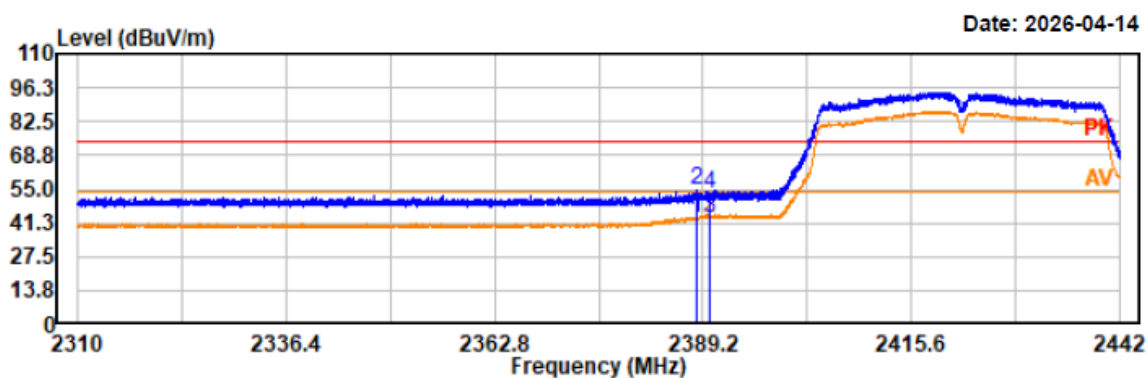
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	45.48	5.18	50.66	74.00	23.34	vertical	Peak
2483.50	36.02	5.18	41.20	54.00	12.80	vertical	Average
2487.30	35.37	5.20	40.57	54.00	13.43	vertical	Average
2487.30	47.69	5.20	52.89	74.00	21.11	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

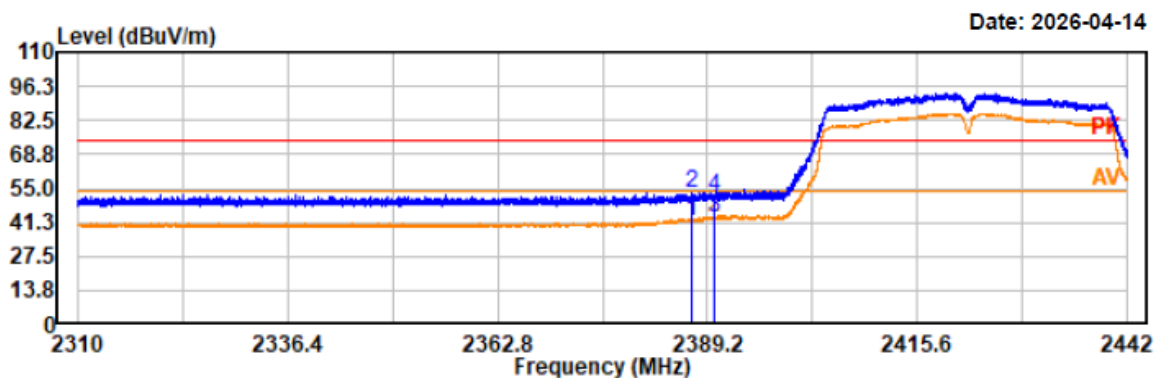
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2388.49	38.44	4.73	43.17	54.00	10.83	horizontal	Average
2388.49	49.95	4.73	54.68	74.00	19.32	horizontal	Peak
2390.00	38.67	4.74	43.41	54.00	10.59	horizontal	Average
2390.00	48.14	4.74	52.88	74.00	21.12	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

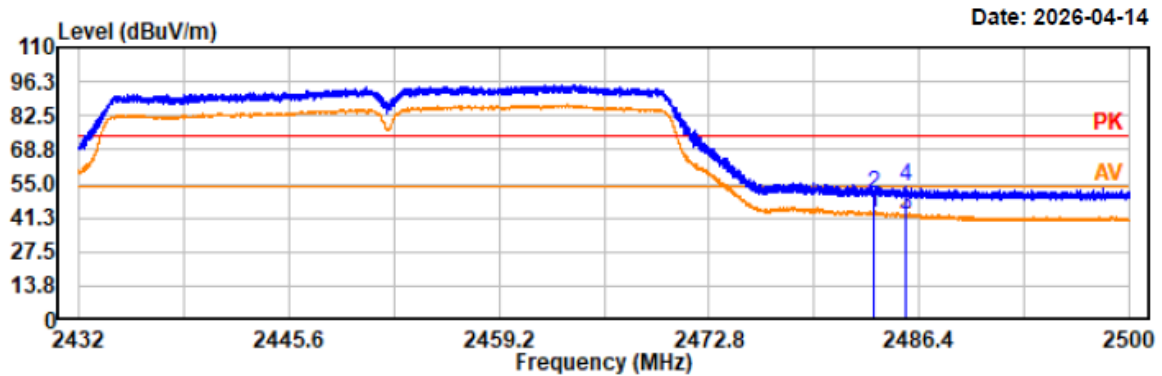
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2387.13	37.18	4.73	41.91	54.00	12.09	vertical	Average
2387.13	48.39	4.73	53.12	74.00	20.88	vertical	Peak
2390.00	38.84	4.74	43.58	54.00	10.42	vertical	Average
2390.00	47.15	4.74	51.89	74.00	22.11	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

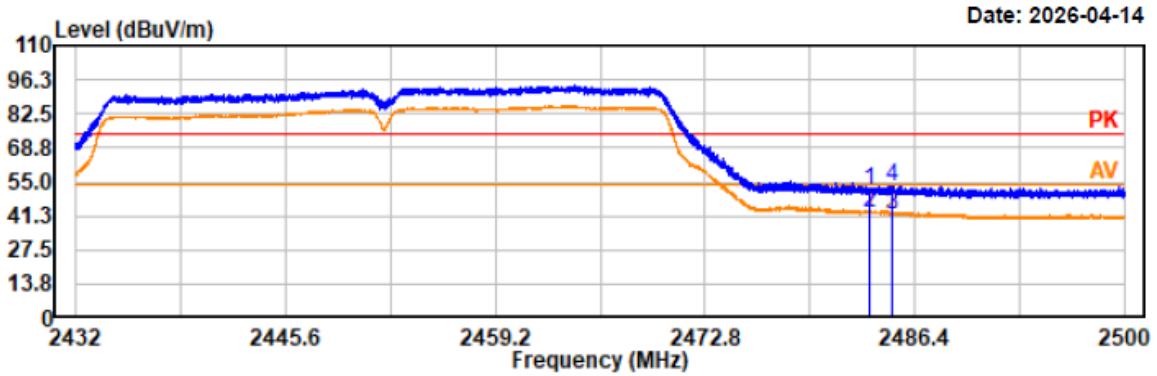
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	38.25	5.18	43.43	54.00	10.57	horizontal	Average
2483.50	45.89	5.18	51.07	74.00	22.93	horizontal	Peak
2485.50	37.34	5.19	42.53	54.00	11.47	horizontal	Average
2485.50	48.68	5.19	53.87	74.00	20.13	horizontal	Peak

Project No.: 2607P42218E-RF
 Test Mode: 802.11n40 2452MHz
 EUT Model: AXIUM DX8
 Test distance: 3m

Temp/Humi/ATM: 23.2°C/55%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	46.07	5.18	51.25	74.00	22.75	vertical	Peak
2483.50	37.58	5.18	42.76	54.00	11.24	vertical	Average
2484.98	36.78	5.19	41.97	54.00	12.03	vertical	Average
2484.98	48.01	5.19	53.20	74.00	20.80	vertical	Peak

FCC §15.247(a) (2) & RSS-247 ISSUE 4 Clause 6.3.1 a – 6 dB EMISSION BANDWIDTH

Applicable Standard

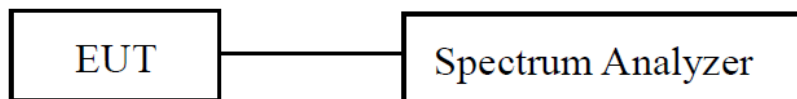
FCC§15.247 (a)(2)

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

RSS-247 ISSUE 4 Clause 6.3.1 a

The minimum 6 dB bandwidth shall be 500 kHz.

EUT Setup



Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable was offset into the setting of test equipment:

Offset = Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

Test Procedure

According to ANSI C63.10-2020 Section 11.8

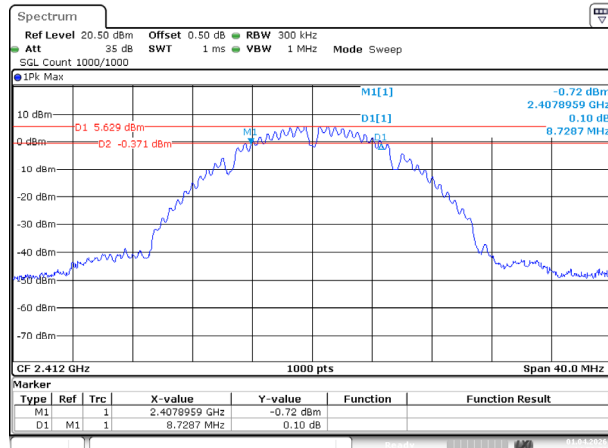
- Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Trace mode = max-hold.
- Sweep = No faster than coupled (auto) time.
- Allow the trace to stabilize.
- Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “–6 dB down amplitude”. If a marker is below this “–6 dB down amplitude” value, then it shall be as close as possible to this value.

Test Data

Test Mode:	Transmitting	Test Engineer:	Braylon Ma
Test Date:	2026-04-01	Environment:	Temp.: 24.6°C Humi.: 50% Atm :100.1kPa
Test Result:	Compliance		
Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
802.11b	2412	8.729	0.5
	2437	8.729	0.5
	2462	8.769	0.5
802.11g	2412	16.416	0.5
	2437	16.416	0.5
	2462	16.416	0.5
802.11n ht20	2412	17.658	0.5
	2437	17.618	0.5
	2462	17.578	0.5
802.11n ht40	2422	36.276	0.5
	2437	36.597	0.5
	2452	36.677	0.5

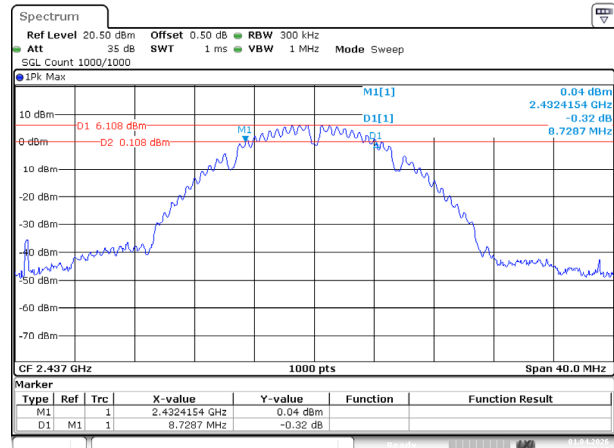
Please refer to below plots:

802.11b_2412MHz



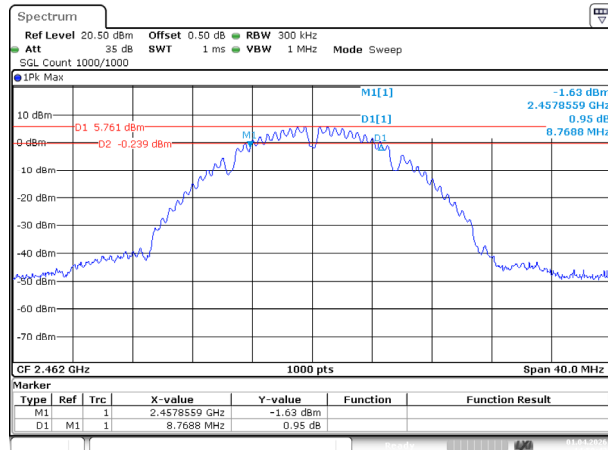
ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 14:56:56

802.11b_2437MHz



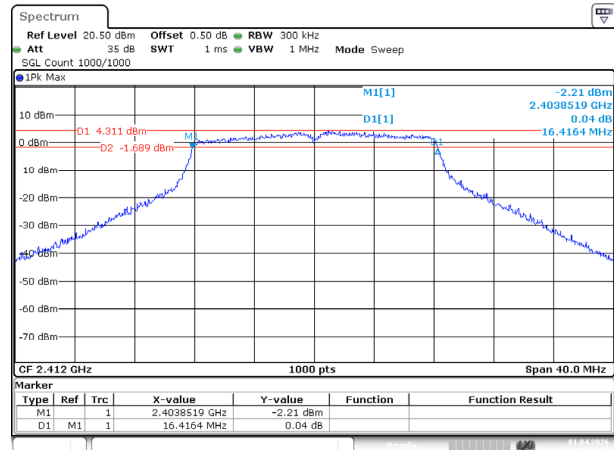
ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 14:57:32

802.11b_2462MHz



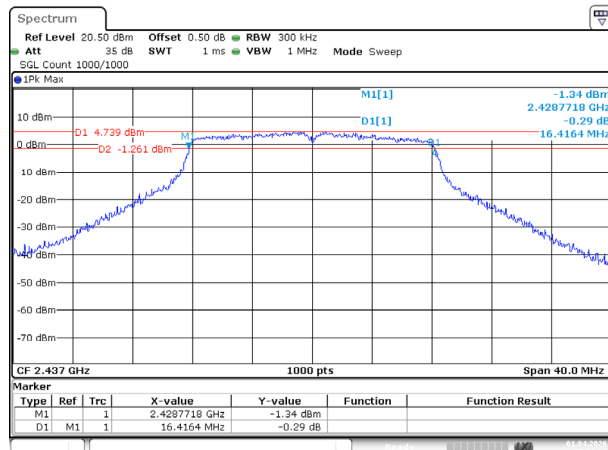
ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 14:58:42

802.11g_2412MHz



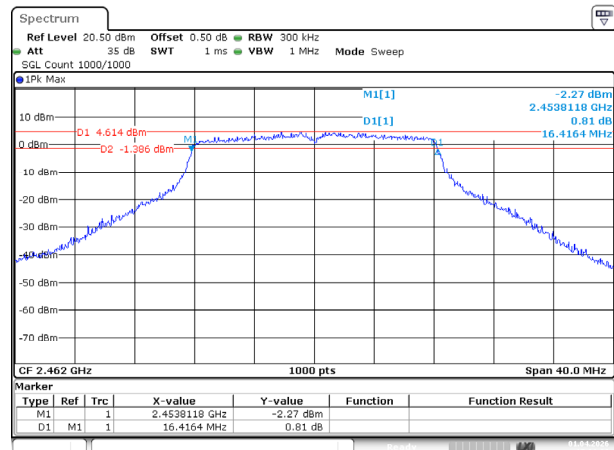
ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 15:00:28

802.11g_2437MHz



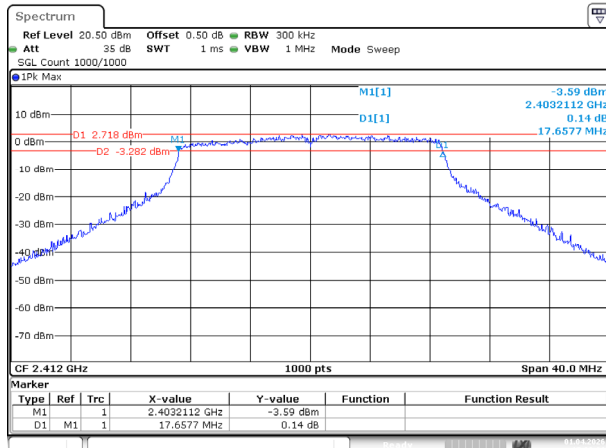
ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 15:01:03

802.11g_2462MHz



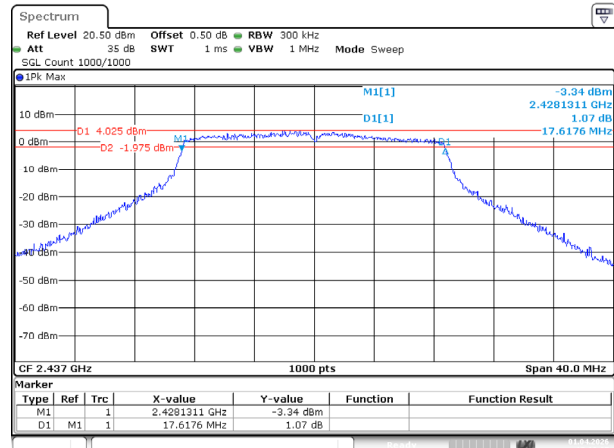
ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 15:01:33

802.11n20_2412MHz



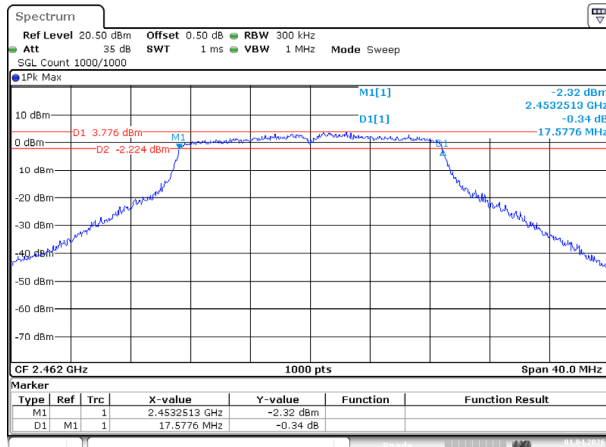
ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 15:02:31

802.11n20_2437MHz



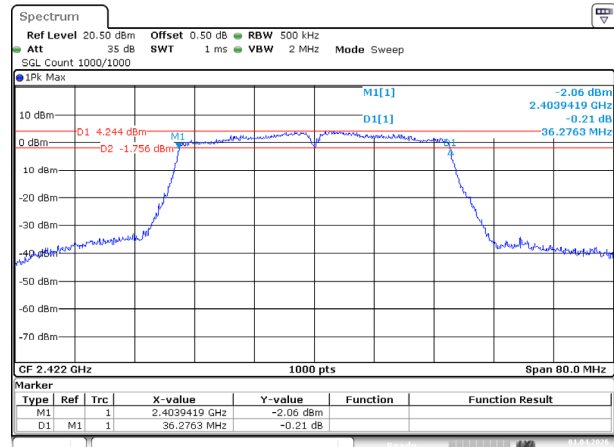
ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 15:03:05

802.11n20_2462MHz



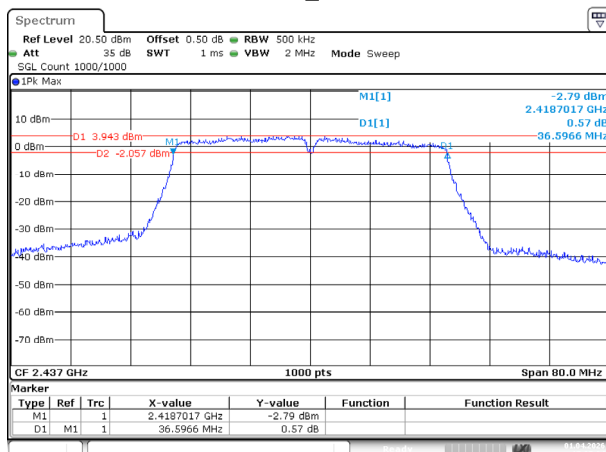
ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 15:03:40

802.11n40_2422MHz



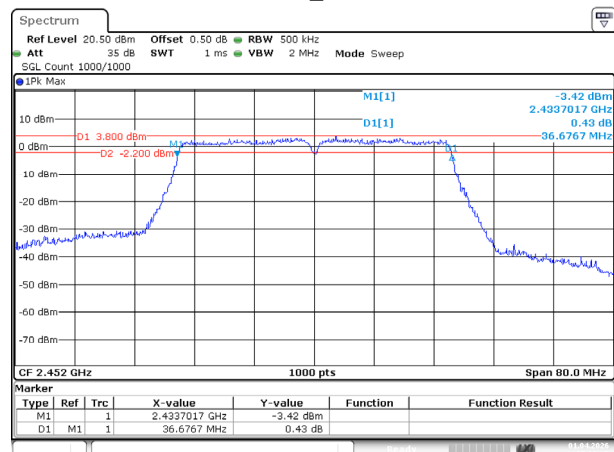
ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 15:04:48

802.11n40_2437MHz



ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 15:05:34

802.11n40_2452MHz



ProjectNo.:2607P42218E-RF Tester:Braylon Ma
Date: 1.APR.2026 15:06:14

FCC §15.247(B) (3) & RSS-247 ISSUE 4 CLAUSE 6.3.2 - MAXIMUM CONDUCTED OUTPUT POWER

Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

According to RSS-247 Clause 6.3.2, for DTS operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1W, and the e.i.r.p. shall not exceed 4 W, except as provided in section 6.5 a) and b).

As an alternative to a peak power measurement, compliance can be based on a measurement of the maximum conducted output power.

EUT Setup



Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable was offset into the setting of test equipment:

Offset= Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

Test Procedure

According to ANSI C63.10-2020 Section 11.9.1.2

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

Test Data

Test Mode:	Transmitting	Test Engineer:	Braylon Ma
Test Date:	2026-04-01	Environment:	Temp.: 24.6°C Humi.: 50% Atm :100.1kPa
Test Result:	Compliance		
Test Modes	Test Frequency (MHz)	Maximum Average Conducted Output Power (dBm)	Limit (dBm)
802.11b	2412	13.16	30
	2437	13.31	30
	2462	13.16	30
Antenna Gain(dBi):	2.98	Max.EIRP(dBm):	16.29
EIRP Limit for RSS-247: 36 dBm			

Note:

The Spot Check data were similar to the original data.

EUT PHOTOGRAPHS

Please refer to the attachment 2607P42218E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2607P42218E-RF-INP EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2607P42218E-RF-TSP-04 SETUP PHOTOGRAPHS.

Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

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