



FCC PART 15.247

TEST REPORT

For

INGENICO

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

FCC ID: XKB-DX8WU

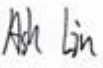
Report Type: Original Report	Product Name: Smart POS Terminal
Report Number:	2607P41361E-RF-03
Report Date:	2026-07-25
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2607P41361E-RF-03	R1V1	2026-07-25	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	INGENICO
Product Name:	Smart POS Terminal
Tested Model:	AXIUM DX8
Multiple Model(s):	N/A
Trade Mark:	ingenico
Power Supply:	DC 5V from Adapter or DC 7.2V from Battery
★Maximum Average Conducted Output Power:	13.83 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: 3G1Q-7 For AC Line Conducted Emissions and Radiated Spurious Emissions Below 1GHz test: 3G1Q-6 (Configuration 1#) For Radiated Spurious Emissions Above 1GHz test: 3G1Q-5 (Configuration 1#)
EUT Received Date:	2026-01-12
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	Configuration Difference	
		2 nd display	scanner
AXIUM DX8	1 (Scanner variant)	×	√
	2 (2 nd display variant)	√	×
	3 (Basic variant)	×	×

Note: Per FCC PART 15B report, test with Adapter 2# & Battery 1# & Screen 3# & Configuration 1# was the worst for AC Line Conducted Emissions, test with Adapter 1# & Battery 6# & Screen 3# & Configuration 1# was the worst for Radiated Spurious Emissions Below 1GHz and test with Adapter 1# & Battery 6# & Screen 1# & Configuration 1# was the worst for Radiated Spurious Emissions Above 1GHz, so only performed it this report.

Adapter Information:

No.	Model	Manufacturer	Parameters
Adapter 1# (KLEC - EU/UK/US)	KL-WD050200U	Xiamen Keli Electronics Co.,Ltd	Input: AC 100-240V, 50/60Hz, 0.5A Output: DC 5.0V, 2.0A, 10.0W
Adapter 2# (KLEC - US)	SW-0983	Xiamen Keli Electronics Co.,Ltd	Input: AC 100-240V, 50/60Hz, 0.5A Output: DC 5.0V, 2.0A
Adapter 3# (Aohai - US)	A319-050200U-US2	Jiangxi Aohai Technology Co.,Ltd	Input: AC 100-240V, 50/60Hz, Max 0.3A Output: DC 5.0V, 2.0A
Adapter 4# (KEYU - EU/UK/US)	KA1602-0502000DEU	Shenzhen Keyu Power Supply Technology Co.,Ltd.	Input: AC 100-240V, 50/60Hz, 0.35A Output: DC 5.0V, 2.0A, 10.0W
Adapter 5# (Ktec - EU/UK/US)	KSA-10Q-050200D5U	KTEC GLOBAL Co., Ltd.	Input: AC 100-240V, 50/60Hz, 0.5A Output: DC 5.0V, 2.0A, 10.0W

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.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and KDB 558074 D01 15.247 Meas Guidance v05r02.

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.

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:

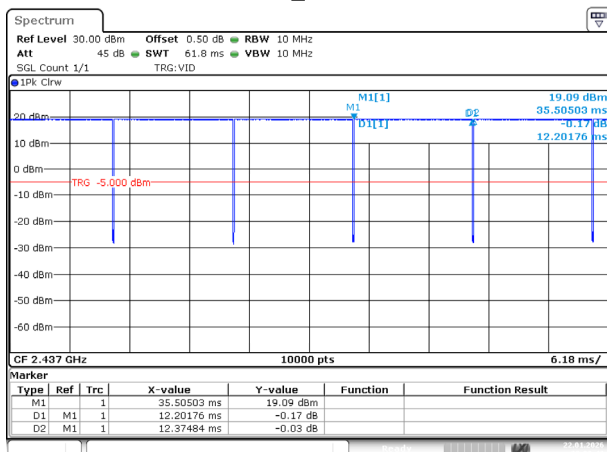
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11b	Lowest	2412	1Mbps	13
	Middle	2437	1Mbps	13.5
	Highest	2462	1Mbps	13
802.11g	Lowest	2412	6Mbps	12
	Middle	2437	6Mbps	11.5
	Highest	2462	6Mbps	12
802.11n ht20	Lowest	2412	MCS0	10
	Middle	2437	MCS0	11
	Highest	2462	MCS0	12
802.11n ht40	Lowest	2422	MCS0	12.5
	Middle	2437	MCS0	13
	Highest	2452	MCS0	12.5

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

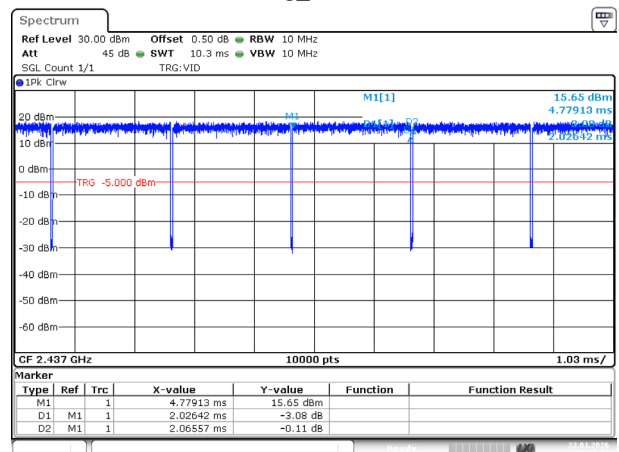
Duty Cycle

Test Mode:		Transmitting		Test Engineer:		Braylon Ma	
Test Date:		2026-01-22		Environment:		Temp.: 21.3℃ Humi.: 41% Atm :100.2kPa	
Test Result:		Compliance					
Modes	Ton (ms)	Ton+off (ms)	Duty Cycle (%)	1/T (Hz)	Duty Factor (dB)	VBW Setting (kHz)	
802.11b	12.202	12.375	98.60	/	/	0.01	
802.11g	2.026	2.066	98.06	/	/	0.01	
802.11n ht20	1.886	1.926	97.92	0.09	530	1.00	
802.11n ht40	0.927	0.979	94.69	0.24	1079	2.00	

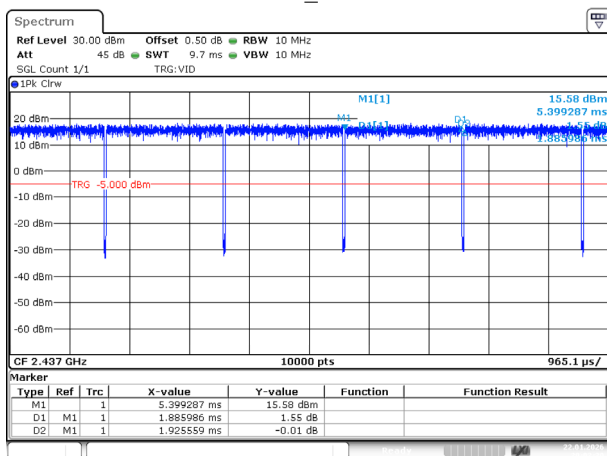
802.11b_2437MHz



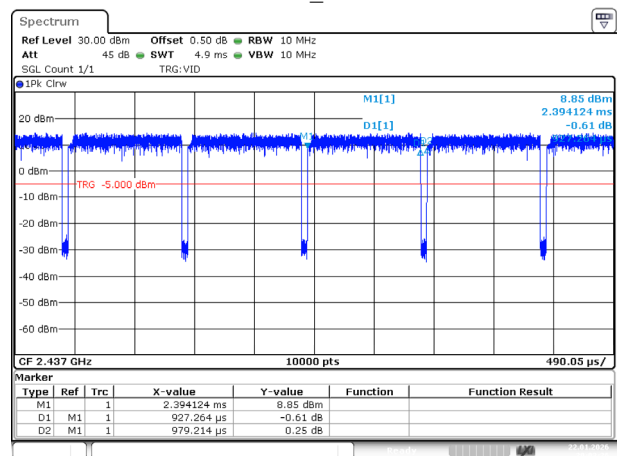
802.11g_2437MHz



802.11n20_2437MHz



802.11n40_2437MHz



Support Equipment List and Details

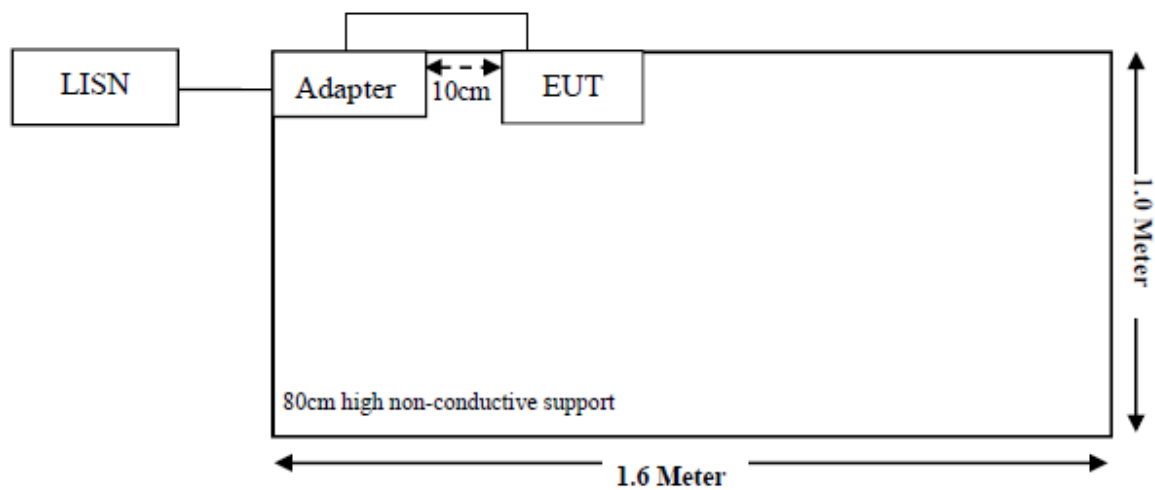
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

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

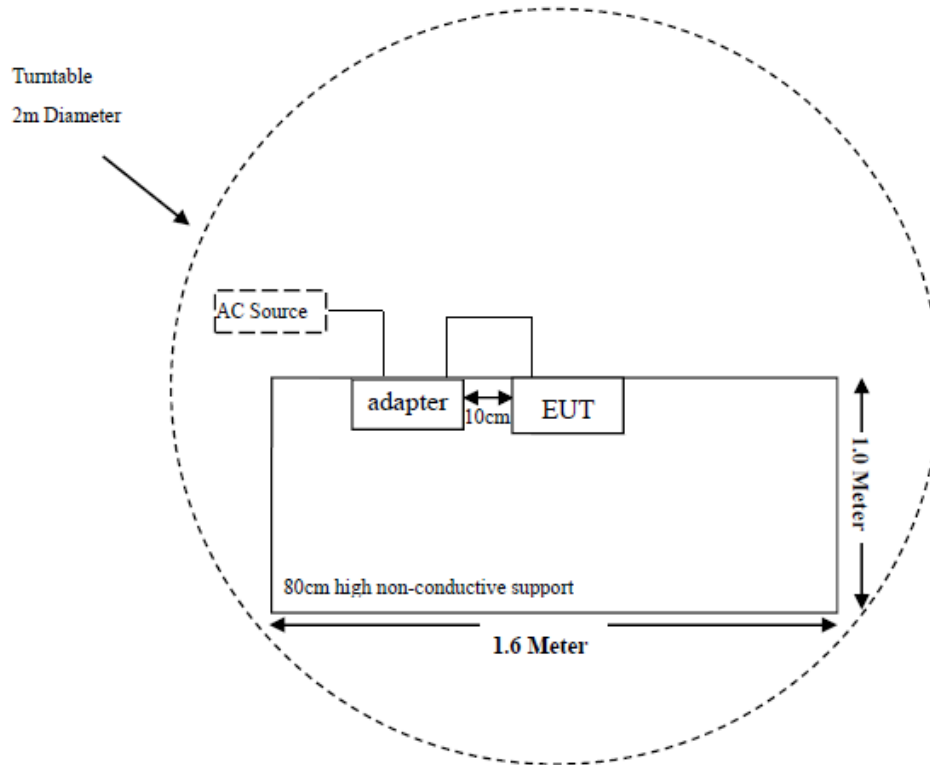
Block Diagram of Test Setup

Conducted Emission:

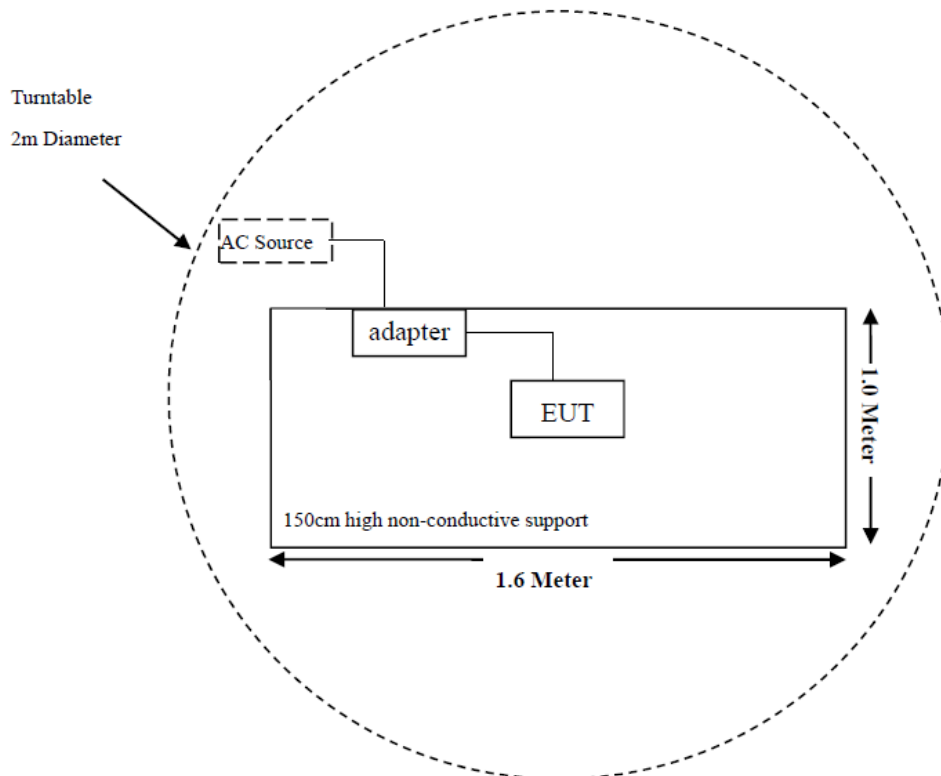


Radiated Spurious Emission:

Below 1GHz



Above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result	Remark
FCC §15.203	Antenna Requirement	Compliance	-
FCC §15.207 (a)	AC Line Conducted Emissions	Compliance	-
FCC §15.205, §15.209, §15.247(d)	Radiated Emissions & Restricted Bands Emissions	Compliance	-
FCC §15.247 (a)(2)	6 dB Emission Bandwidth	Compliance	-
FCC §15.247(b)(3)	Maximum Conducted Output Power	Reporting	please refer to report SZCR260300101301★ page 43
FCC §15.247(d)	100 kHz Bandwidth of Frequency Band Edge and Conducted Spurious Emissions	-	please refer to report SZCR260300101301★ page 51-67
FCC §15.247(e)	Power Spectral Density	-	please refer to report SZCR260300101301★ page 44-50

Note: The device built in a certified module, model: ING-A01-1-WU, FCC ID: XKB-INGA01WU, 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: SZCR260300101301★, 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.

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.

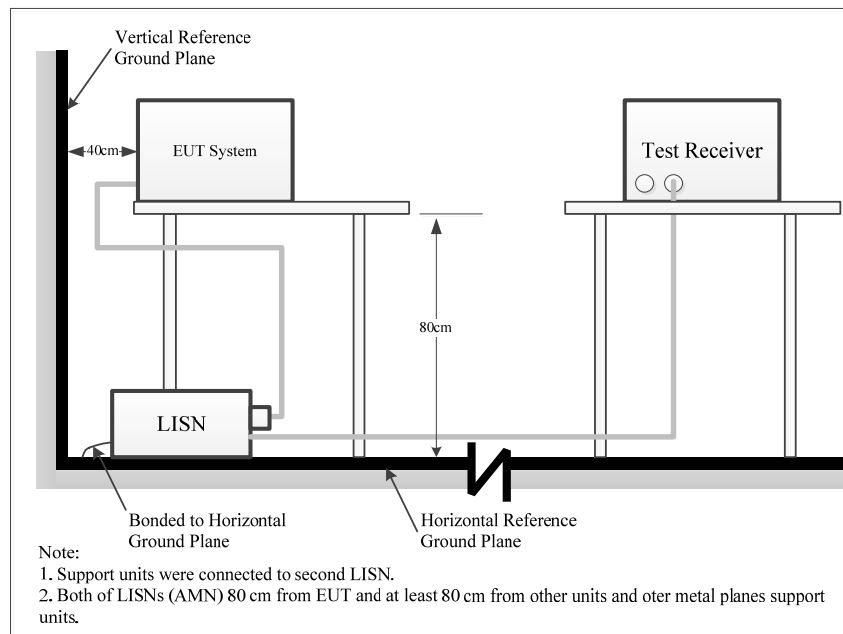
Result: Compliance

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207

EUT Setup



The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 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

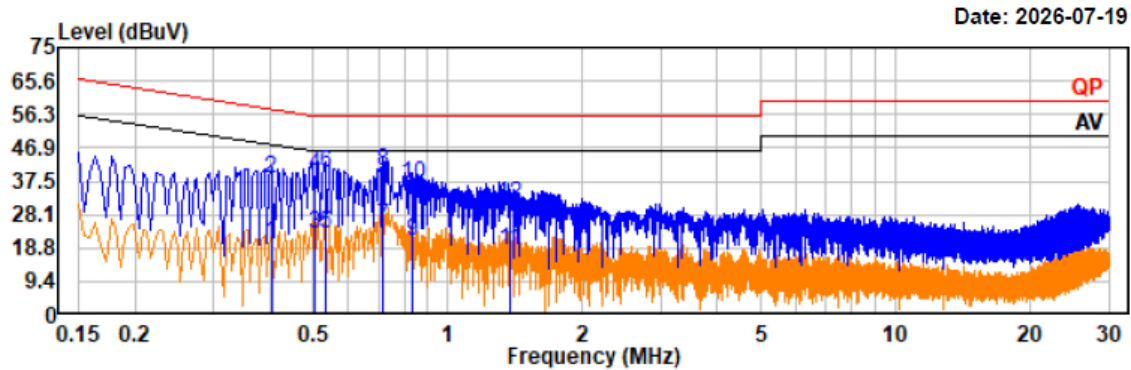
Temperature:	22.3 °C
Relative Humidity:	58%
ATM Pressure:	100.1 kPa
Test Date:	2026-07-19
Test Engineer:	Wlif Wu

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

Configuration 1#(Scanner variant)

Project No.: 2607P41361E-RF
 Test Mode: 802.11b 2437MHz
 EUT Model: AXIUM DX8

Temp/Humi/ATM: 22.3°C/58%/100.1kPa
 Tested by: Wliff Wu
 Power Source: AC 120V/60Hz



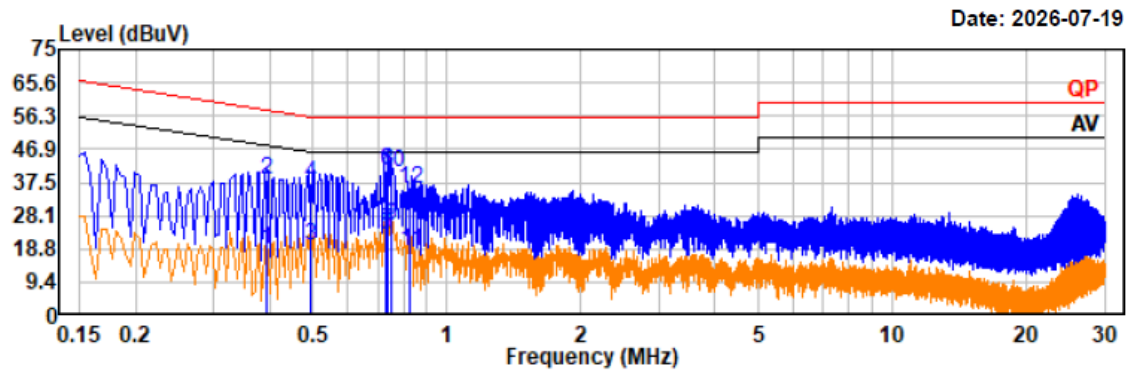
Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.404	-0.51	20.60	20.09	47.78	27.69	Neutral	Average
0.404	17.71	20.60	38.31	57.78	19.47	Neutral	QP
0.505	2.18	20.58	22.76	46.00	23.24	Neutral	Average
0.505	18.90	20.58	39.48	56.00	16.52	Neutral	QP
0.534	1.94	20.57	22.51	46.00	23.49	Neutral	Average
0.534	19.46	20.57	40.03	56.00	15.97	Neutral	QP
0.720	4.22	20.56	24.78	46.00	21.22	Neutral	Average
0.720	19.60	20.56	40.16	56.00	15.84	Neutral	QP
0.832	-0.09	20.58	20.49	46.00	25.51	Neutral	Average
0.832	16.19	20.58	36.77	56.00	19.23	Neutral	QP
1.372	-2.53	20.57	18.04	46.00	27.96	Neutral	Average
1.372	10.45	20.57	31.02	56.00	24.98	Neutral	QP

Project No.: 2607P41361E-RF
 Test Mode: 802.11b 2437MHz
 EUT Model: AXIUM DX8

Temp/Humi/ATM: 22.3°C/58%/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
0.395	-2.23	20.61	18.38	47.96	29.58	Line	Average
0.395	17.45	20.61	38.06	57.96	19.90	Line	QP
0.494	-0.69	20.58	19.89	46.10	26.21	Line	Average
0.494	16.82	20.58	37.40	56.10	18.70	Line	QP
0.727	2.33	20.56	22.89	46.00	23.11	Line	Average
0.727	20.07	20.56	40.63	56.00	15.37	Line	QP
0.735	3.42	20.56	23.98	46.00	22.02	Line	Average
0.735	20.37	20.56	40.93	56.00	15.07	Line	QP
0.752	4.79	20.57	25.36	46.00	20.64	Line	Average
0.752	19.52	20.57	40.09	56.00	15.91	Line	QP
0.829	-2.42	20.58	18.16	46.00	27.84	Line	Average
0.829	15.25	20.58	35.83	56.00	20.17	Line	QP

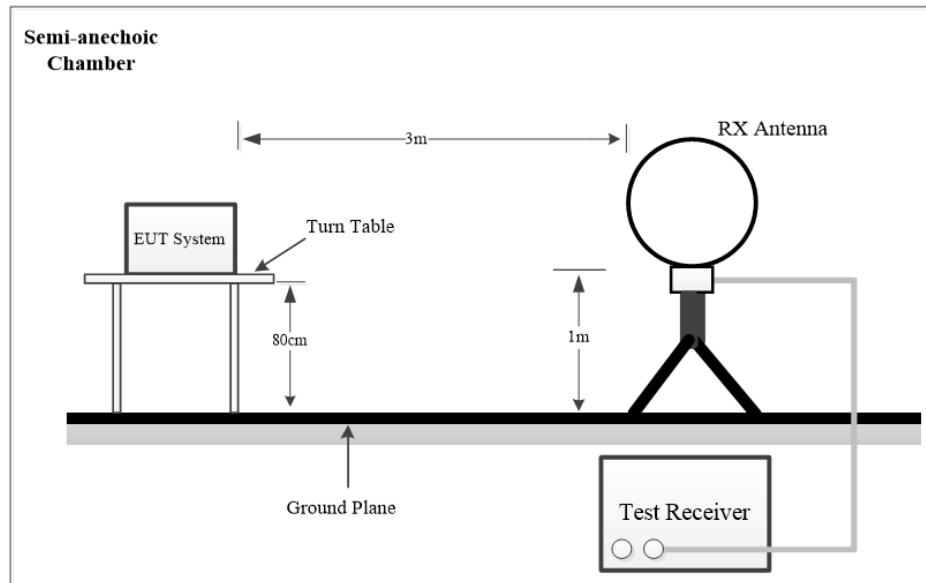
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

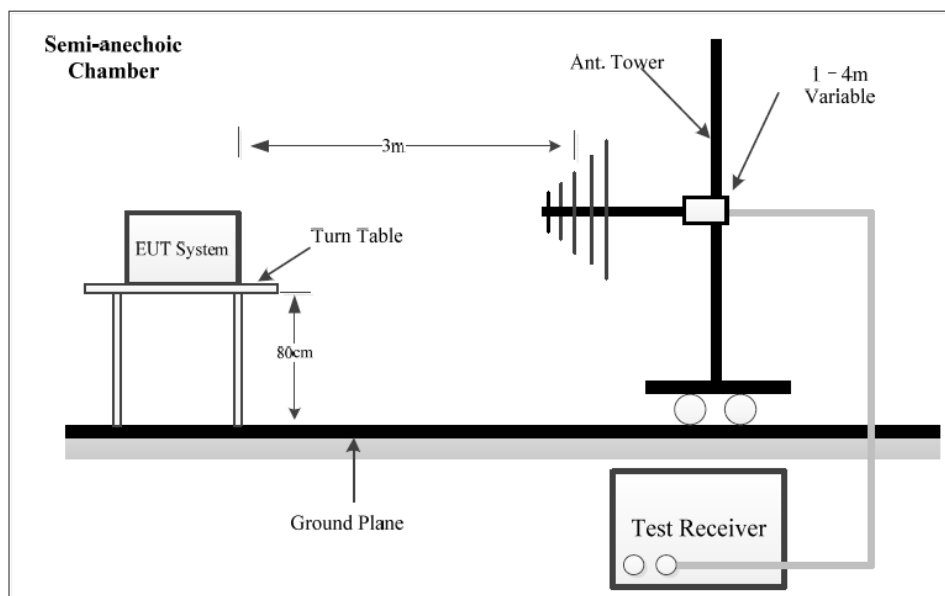
FCC §15.247 (d); §15.209; §15.205

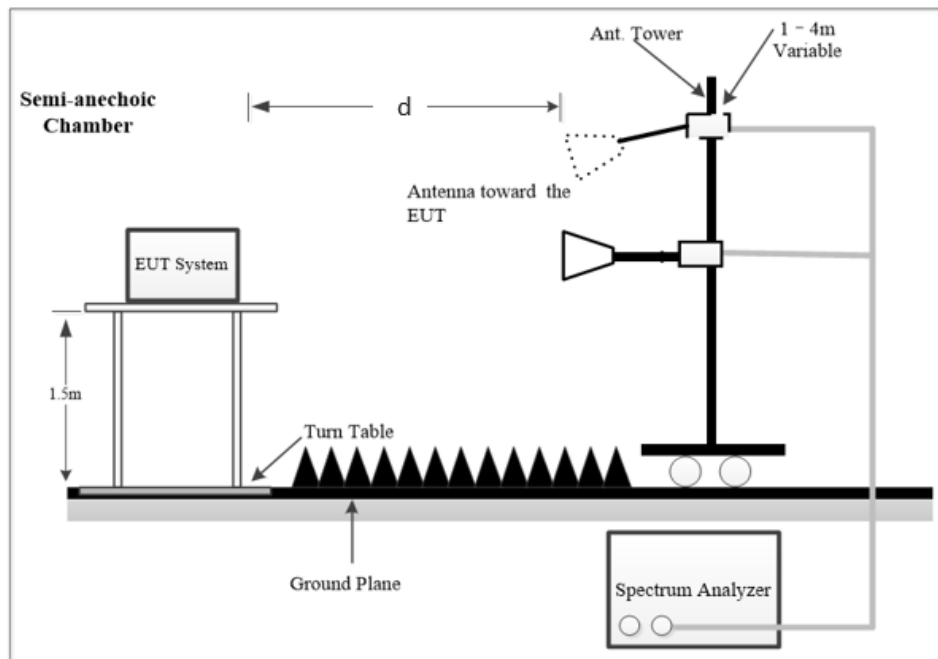
EUT Setup

9 kHz-30MHz



Below 1 GHz:



Above 1GHz:

The radiated emission tests using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209, FCC 15.247 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 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 Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB) - Extrapolation factor (dB)

Extrapolation factor=6dB (distance=1.5m)

Result (dB μ V/m) = Reading (dB μ V) + 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:

Margin (dB) = Limit (dB μ V/m) –Result (dB μ V/m)

Test Data

Please refer to the below table and plots.

Frequency Range:	Below 1 GHz	Above 1 GHz
Temperature:	21.4°C	21.4°C
Relative Humidity:	42%	42%
ATM Pressure:	100.1kPa	100.1kPa
Test Date:	2026-03-11	2026-03-11
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

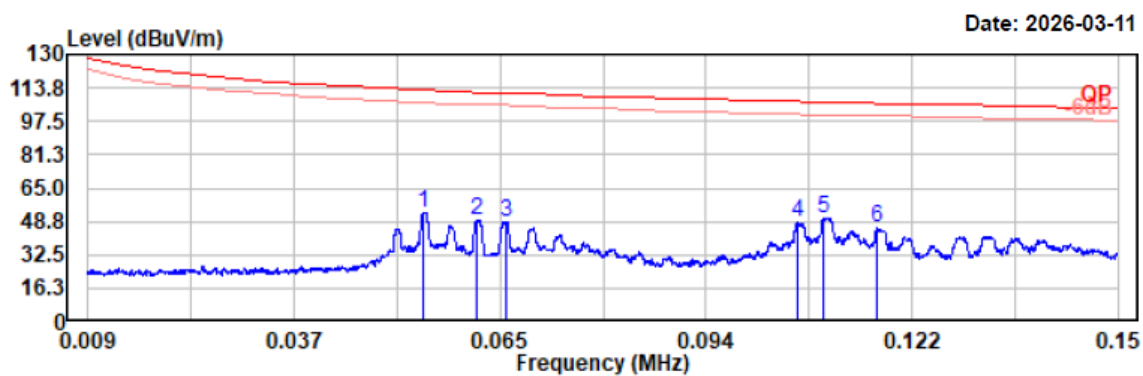
Pre-scan in parallel, ground-parallel and perpendicular of orientation of loop antenna, parallel is worst case.

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

Configuration 1#(Scanner variant)

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

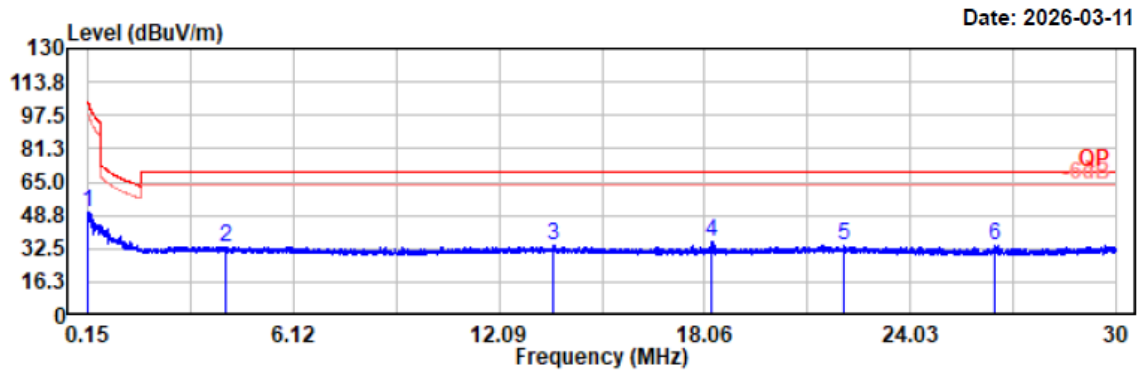


Condition: PK RBW:300Hz VBW:1kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.055	32.97	19.91	52.88	112.83	59.95	Peak
0.062	29.57	19.89	49.46	111.72	62.26	Peak
0.066	28.50	19.85	48.35	111.19	62.84	Peak
0.106	28.60	19.73	48.33	107.09	58.76	Peak
0.110	30.75	19.73	50.48	106.80	56.32	Peak
0.117	25.78	19.73	45.51	106.24	60.73	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/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
0.162	30.90	19.72	50.62	103.42	52.80	Peak
4.126	13.80	19.75	33.55	69.54	35.99	Peak
13.684	14.42	19.74	34.16	69.54	35.38	Peak
18.242	15.67	19.97	35.64	69.54	33.90	Peak
22.099	13.76	20.14	33.90	69.54	35.64	Peak
26.490	13.93	20.14	34.07	69.54	35.47	Peak

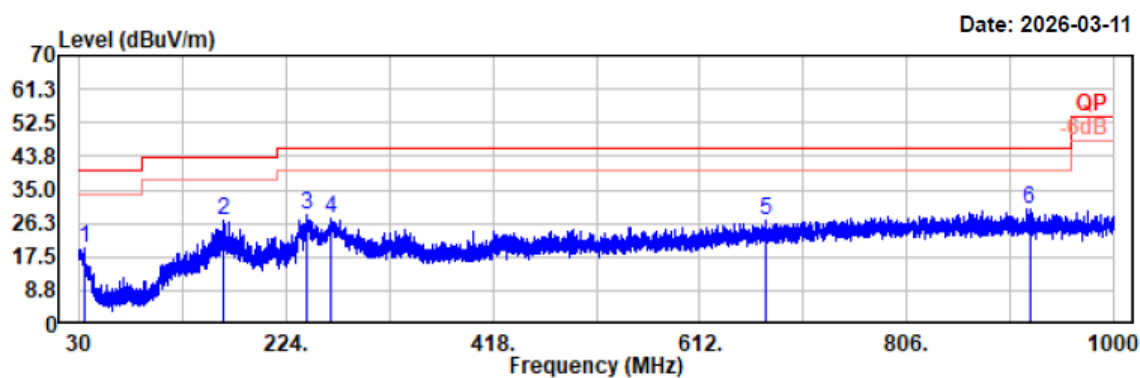
2) 30MHz -1GHz

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

Configuration 1#(Scanner variant)

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

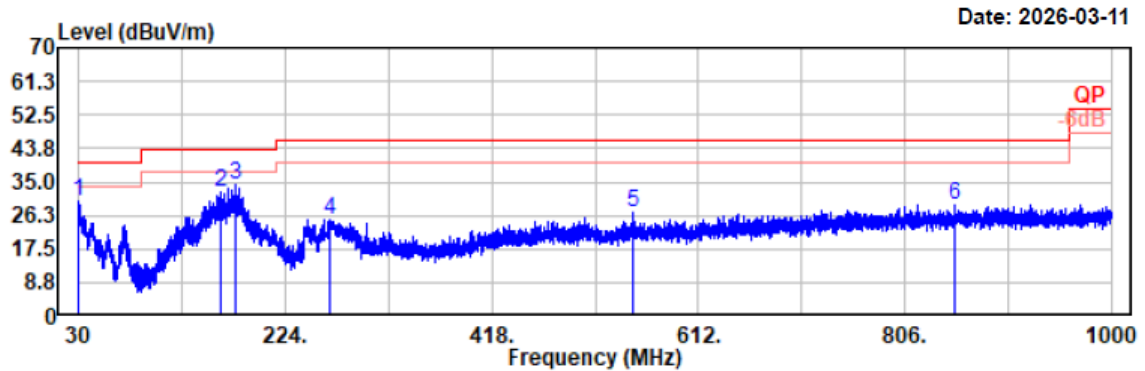


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
35.04	27.81	-8.07	19.74	40.00	20.26	Horizontal	Peak
164.64	38.49	-11.58	26.91	43.50	16.59	Horizontal	Peak
243.30	40.25	-11.58	28.67	46.00	17.33	Horizontal	Peak
266.58	37.80	-10.17	27.63	46.00	18.37	Horizontal	Peak
673.89	27.82	-0.59	27.23	46.00	18.77	Horizontal	Peak
921.33	27.41	2.75	30.16	46.00	15.84	Horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



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

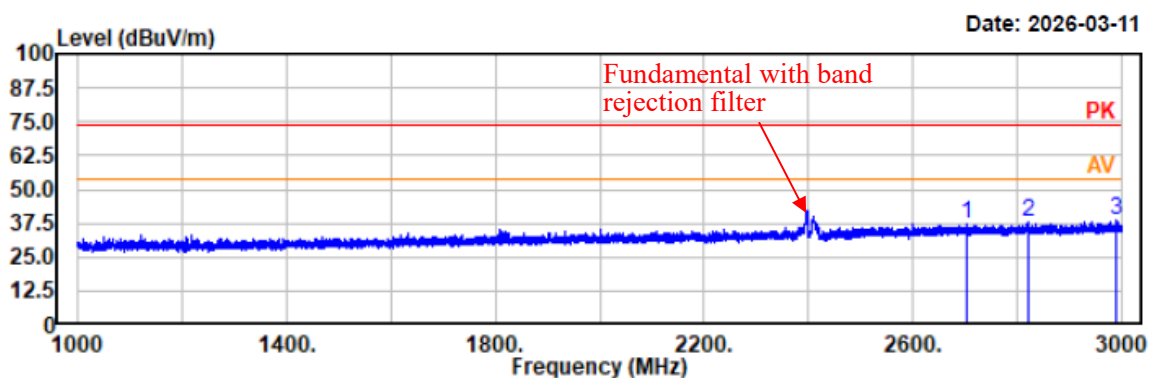
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.10	35.52	-5.61	29.91	40.00	10.09	Vertical	Peak
162.79	43.70	-11.48	32.22	43.50	11.28	Vertical	Peak
177.34	46.58	-12.18	34.40	43.50	9.10	Vertical	Peak
265.32	35.60	-10.31	25.29	46.00	20.71	Vertical	Peak
550.02	29.88	-2.73	27.15	46.00	18.85	Vertical	Peak
853.14	27.04	1.95	28.99	46.00	17.01	Vertical	Peak

3) 1GHz~3GHz

Configuration 1#(Scanner variant)

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

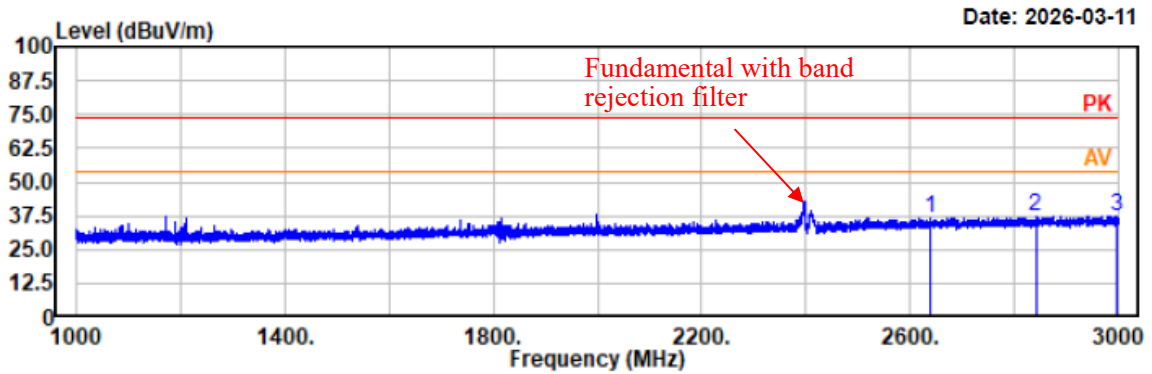


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2702.40	47.16	-10.03	37.13	74.00	36.87	horizontal	Peak
2821.60	47.63	-9.71	37.92	74.00	36.08	horizontal	Peak
2991.40	47.89	-9.04	38.85	74.00	35.15	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

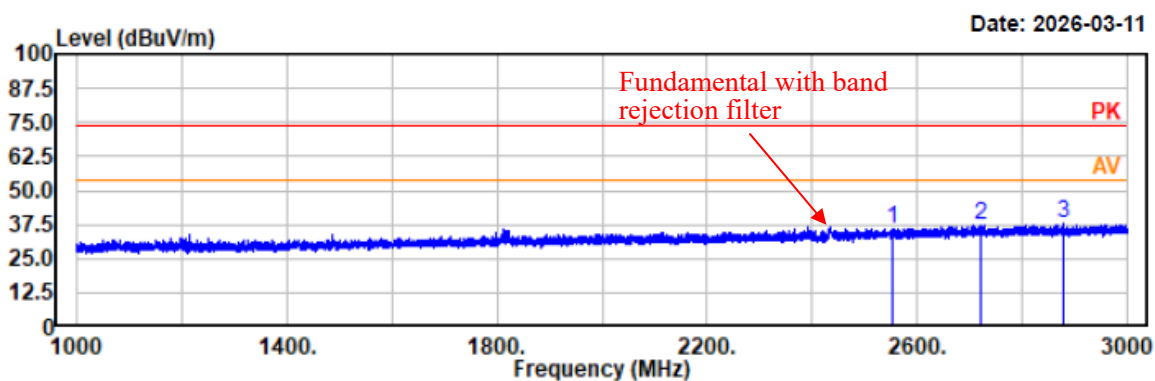


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2640.20	47.14	-10.26	36.88	74.00	37.12	vertical	Peak
2841.40	46.90	-9.66	37.24	74.00	36.76	vertical	Peak
2995.60	46.54	-9.03	37.51	74.00	36.49	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

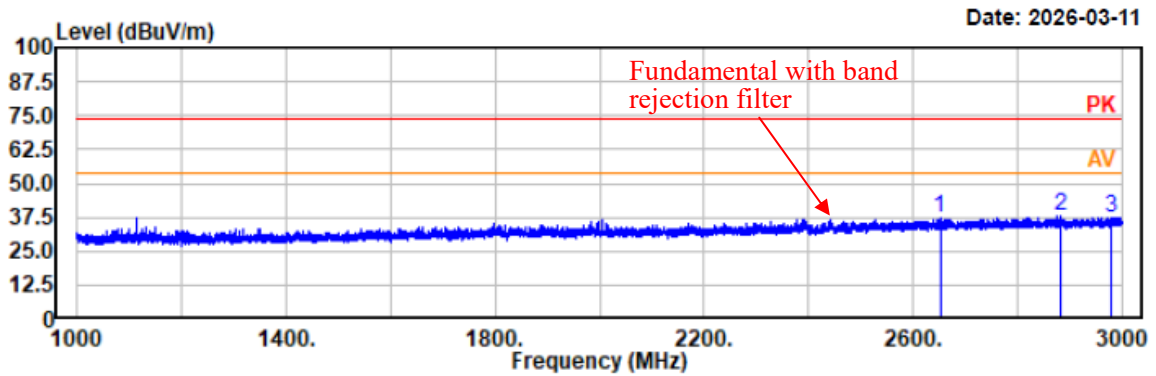


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2553.40	46.73	-10.61	36.12	74.00	37.88	horizontal	Peak
2722.00	47.50	-10.00	37.50	74.00	36.50	horizontal	Peak
2878.00	47.27	-9.64	37.63	74.00	36.37	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

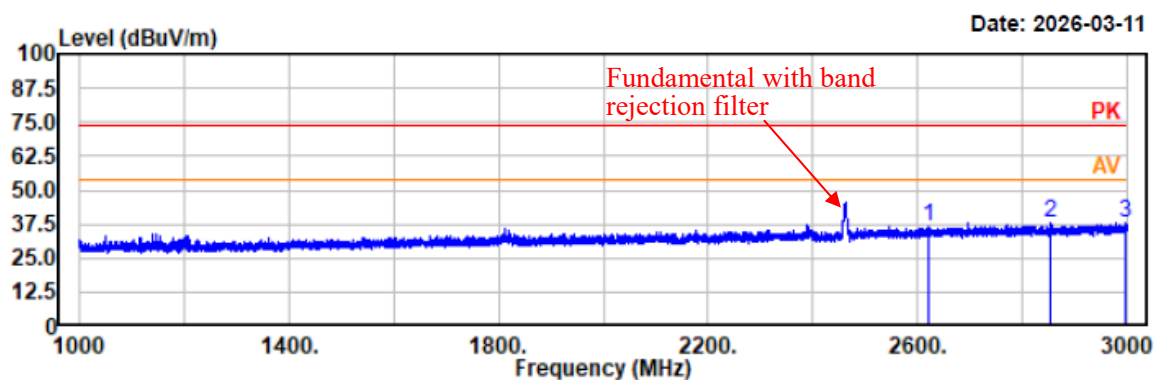


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2651.60	47.24	-10.22	37.02	74.00	36.98	vertical	Peak
2882.00	47.52	-9.65	37.87	74.00	36.13	vertical	Peak
2979.00	46.57	-9.11	37.46	74.00	36.54	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

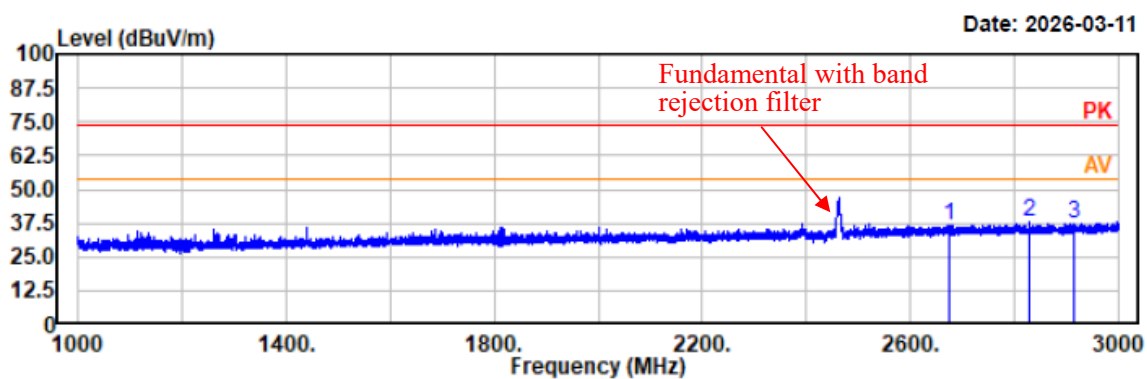


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2622.20	46.93	-10.33	36.60	74.00	37.40	horizontal	Peak
2854.40	47.63	-9.65	37.98	74.00	36.02	horizontal	Peak
2998.20	47.02	-9.01	38.01	74.00	35.99	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

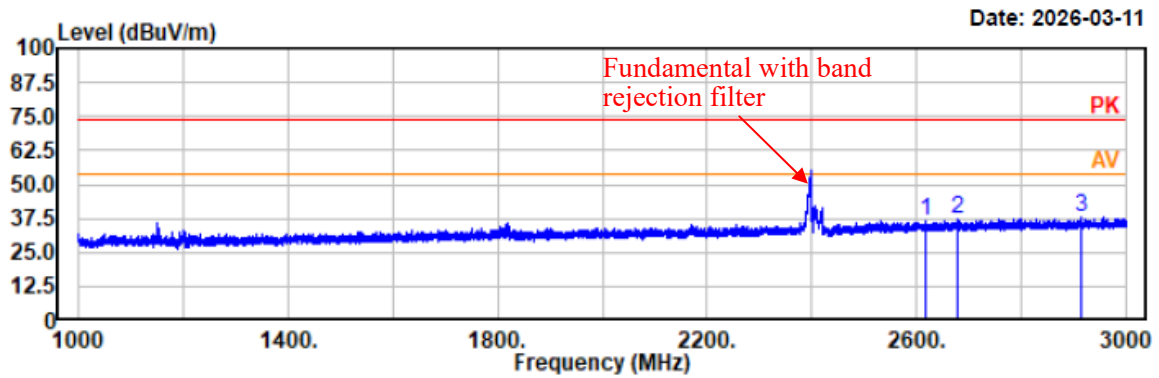


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2673.80	46.78	-10.13	36.65	74.00	37.35	vertical	Peak
2827.80	47.64	-9.70	37.94	74.00	36.06	vertical	Peak
2913.20	46.97	-9.53	37.44	74.00	36.56	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

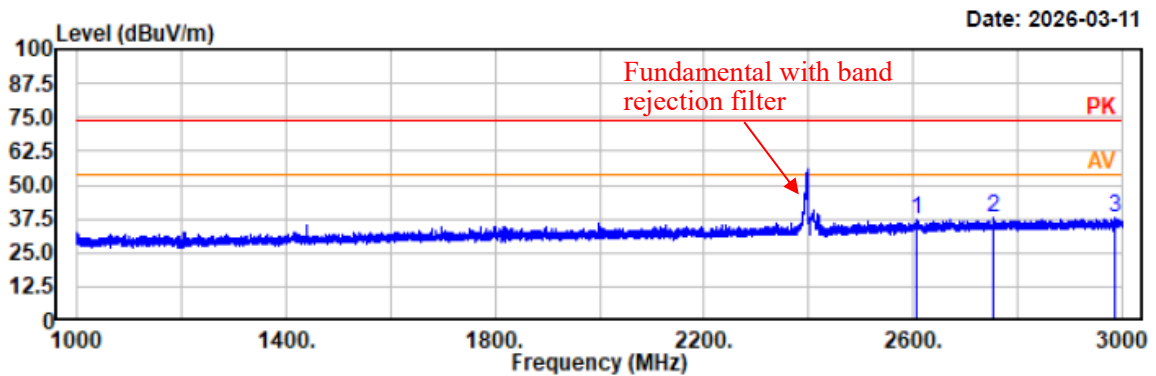


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2619.20	46.97	-10.34	36.63	74.00	37.37	horizontal	Peak
2677.80	47.39	-10.12	37.27	74.00	36.73	horizontal	Peak
2916.40	47.23	-9.51	37.72	74.00	36.28	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

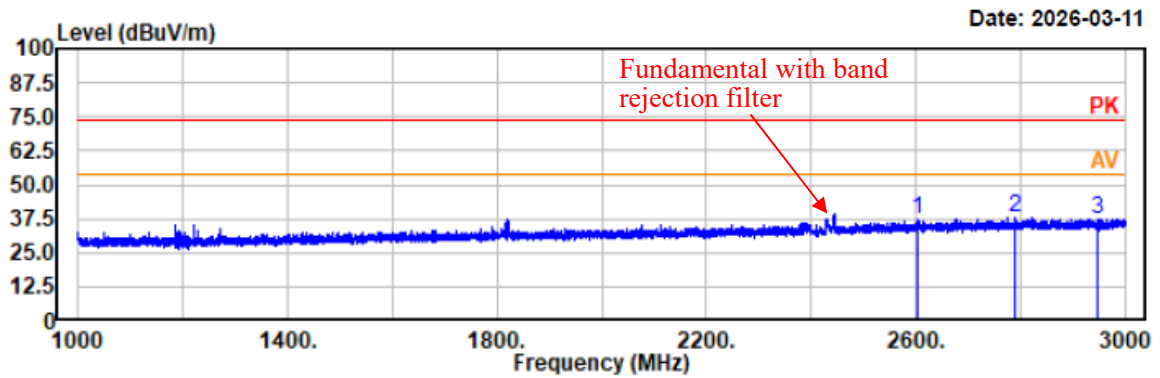


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2608.00	47.51	-10.38	37.13	74.00	36.87	vertical	Peak
2754.20	47.60	-9.93	37.67	74.00	36.33	vertical	Peak
2985.40	47.33	-9.08	38.25	74.00	35.75	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

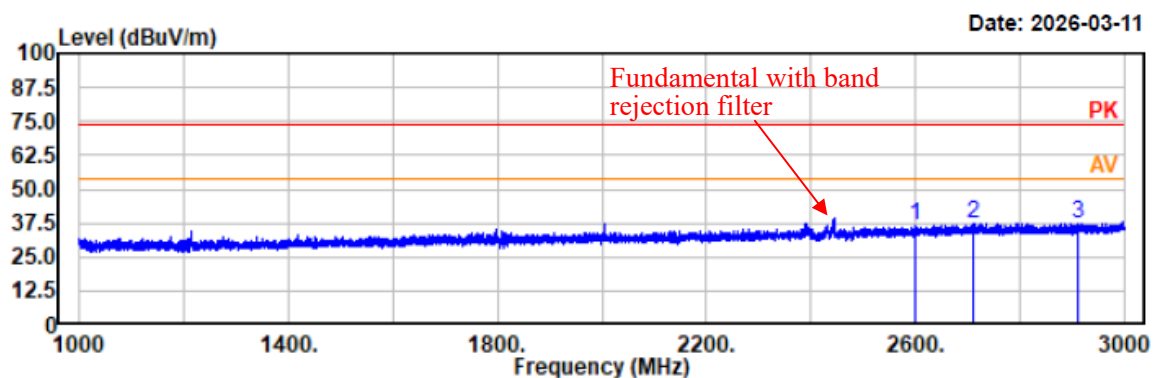


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2602.40	47.93	-10.41	37.52	74.00	36.48	horizontal	Peak
2789.40	47.57	-9.80	37.77	74.00	36.23	horizontal	Peak
2946.00	46.74	-9.29	37.45	74.00	36.55	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

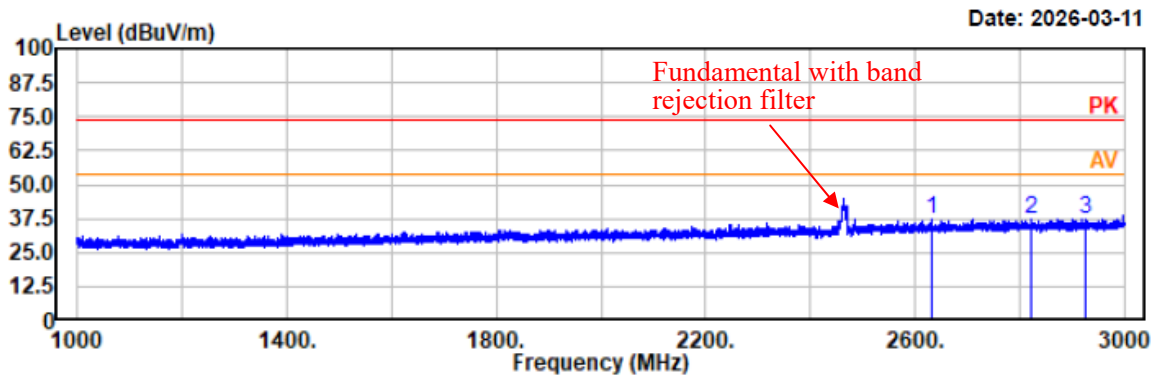


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2600.80	46.95	-10.42	36.53	74.00	37.47	vertical	Peak
2712.00	47.33	-10.02	37.31	74.00	36.69	vertical	Peak
2910.00	46.86	-9.56	37.30	74.00	36.70	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

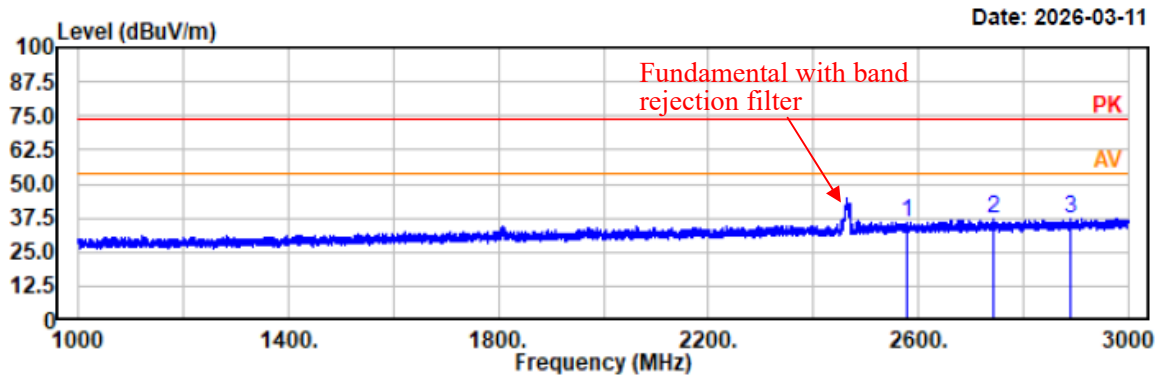


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2630.60	47.22	-10.30	36.92	74.00	37.08	horizontal	Peak
2821.60	46.72	-9.71	37.01	74.00	36.99	horizontal	Peak
2927.20	46.73	-9.44	37.29	74.00	36.71	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

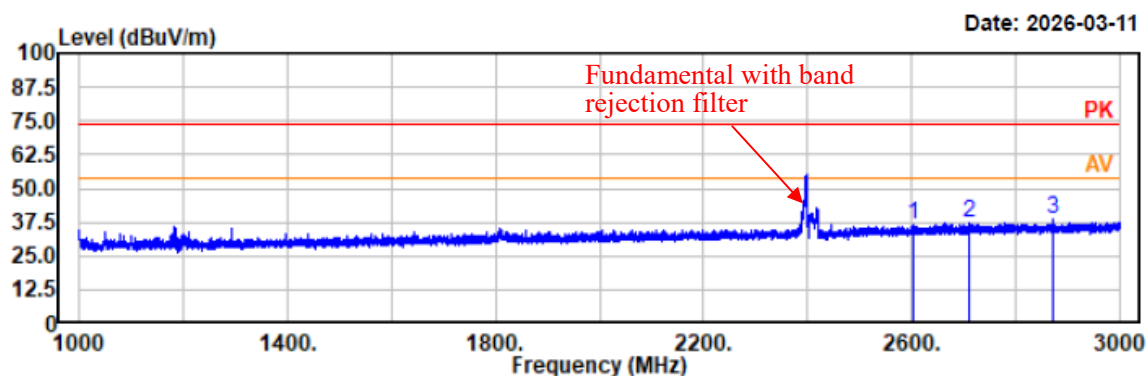


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2576.80	46.42	-10.51	35.91	74.00	38.09	vertical	Peak
2743.00	47.24	-9.96	37.28	74.00	36.72	vertical	Peak
2889.00	46.84	-9.64	37.20	74.00	36.80	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

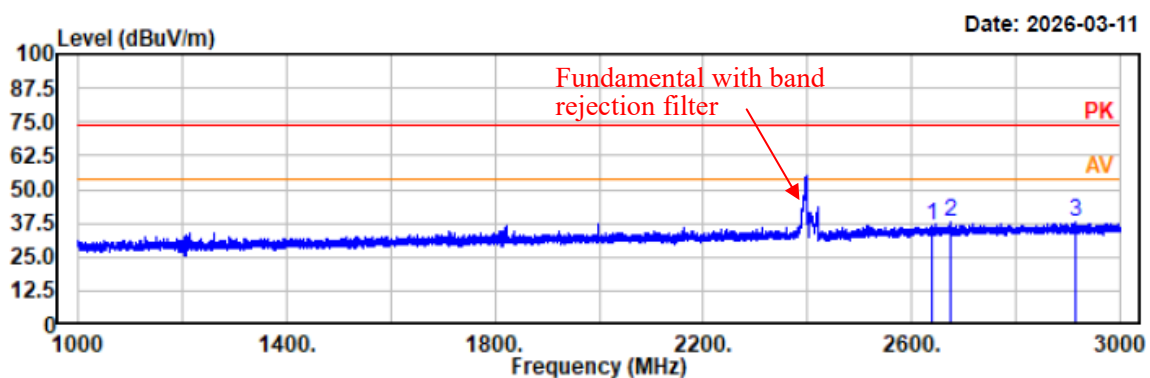


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2602.80	46.91	-10.41	36.50	74.00	37.50	horizontal	Peak
2710.60	47.19	-10.02	37.17	74.00	36.83	horizontal	Peak
2871.80	48.02	-9.65	38.37	74.00	35.63	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

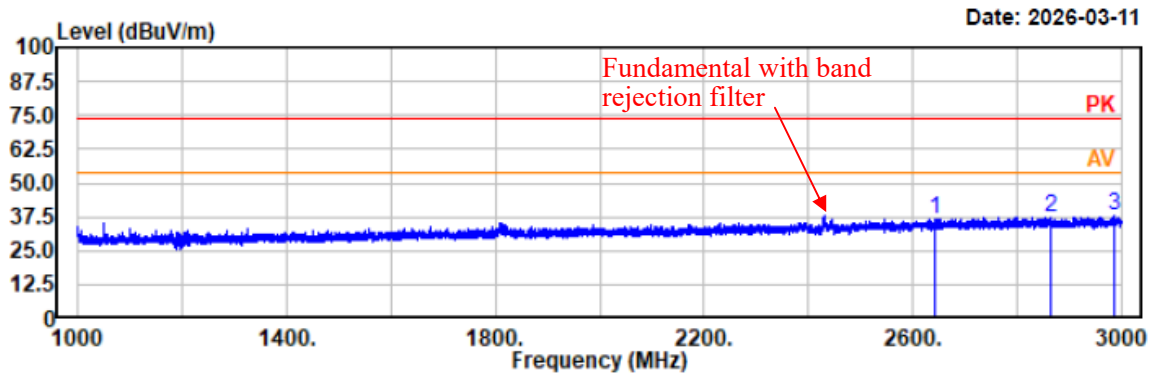


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2638.20	46.77	-10.27	36.50	74.00	37.50	vertical	Peak
2674.40	47.85	-10.13	37.72	74.00	36.28	vertical	Peak
2913.60	47.28	-9.53	37.75	74.00	36.25	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

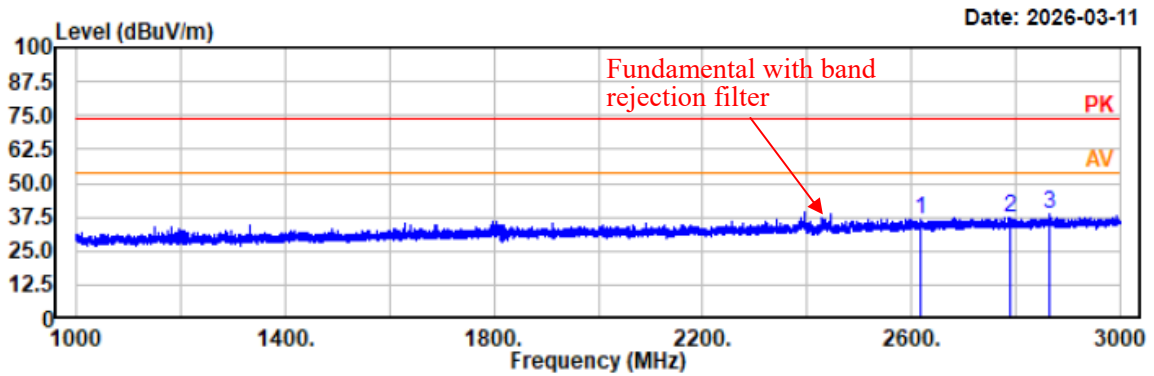


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2641.00	46.91	-10.26	36.65	74.00	37.35	horizontal	Peak
2863.00	47.04	-9.64	37.40	74.00	36.60	horizontal	Peak
2985.60	46.76	-9.08	37.68	74.00	36.32	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

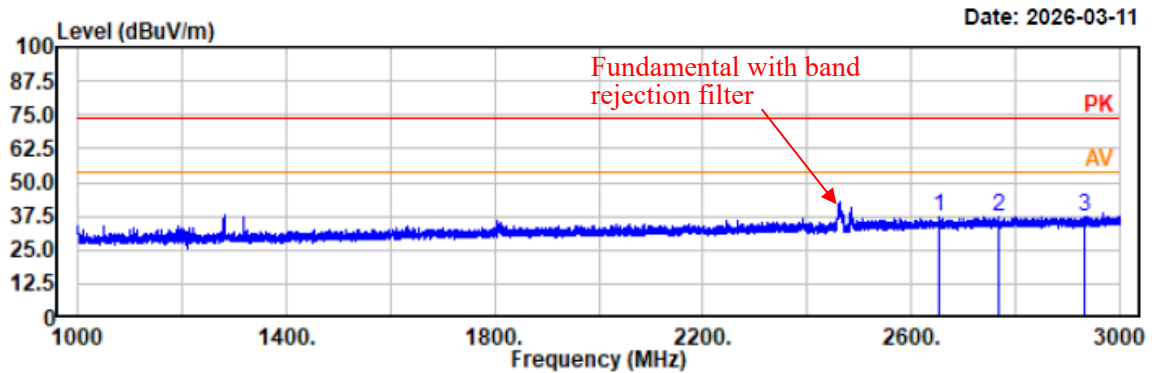


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2617.40	47.03	-10.35	36.68	74.00	37.32	vertical	Peak
2789.40	47.34	-9.80	37.54	74.00	36.46	vertical	Peak
2864.40	48.50	-9.65	38.85	74.00	35.15	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

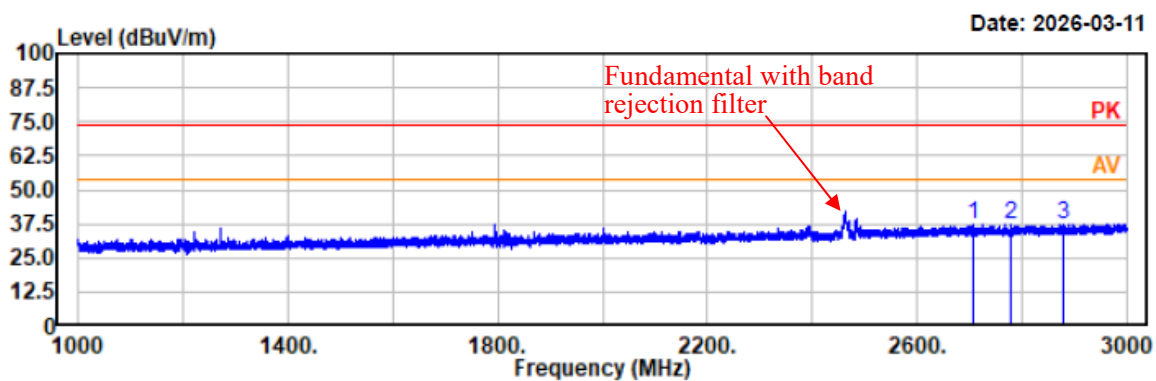


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2655.00	47.35	-10.21	37.14	74.00	36.86	horizontal	Peak
2769.20	47.03	-9.87	37.16	74.00	36.84	horizontal	Peak
2933.60	46.97	-9.39	37.58	74.00	36.42	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

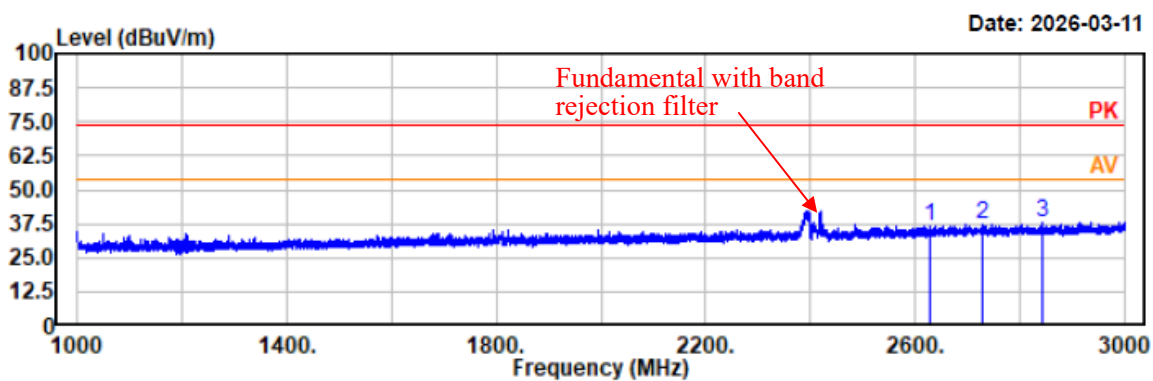


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2706.00	47.38	-10.02	37.36	74.00	36.64	vertical	Peak
2779.00	47.14	-9.84	37.30	74.00	36.70	vertical	Peak
2878.00	47.20	-9.64	37.56	74.00	36.44	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

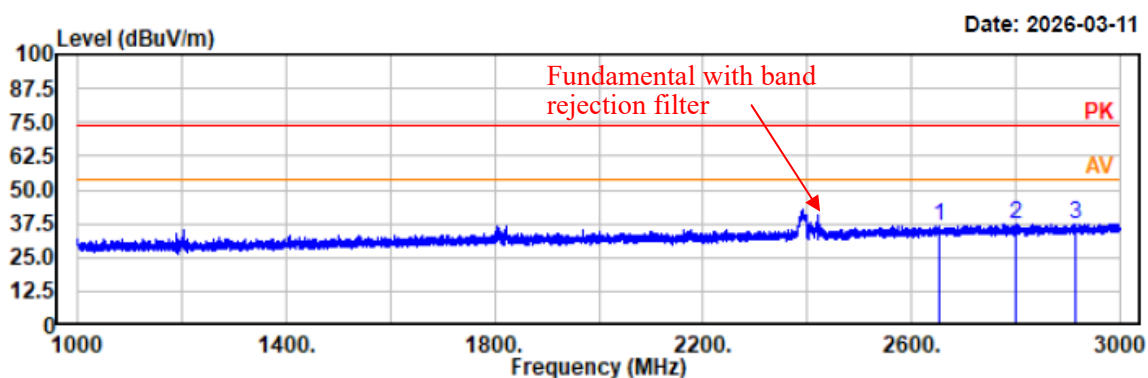


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2627.40	47.13	-10.31	36.82	74.00	37.18	horizontal	Peak
2729.80	47.40	-9.98	37.42	74.00	36.58	horizontal	Peak
2844.00	47.85	-9.66	38.19	74.00	35.81	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

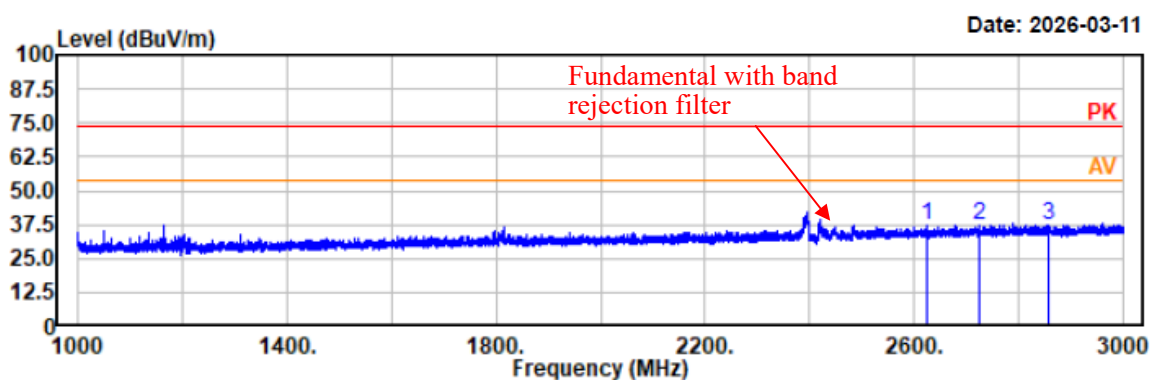


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2652.80	46.88	-10.22	36.66	74.00	37.34	vertical	Peak
2799.00	47.34	-9.77	37.57	74.00	36.43	vertical	Peak
2916.00	46.98	-9.51	37.47	74.00	36.53	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

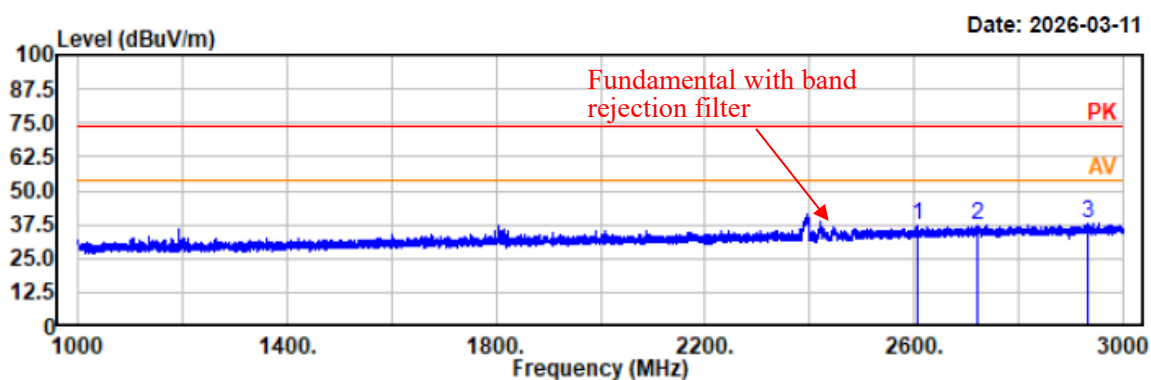


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2625.40	47.33	-10.32	37.01	74.00	36.99	horizontal	Peak
2725.00	47.39	-9.99	37.40	74.00	36.60	horizontal	Peak
2858.20	46.72	-9.64	37.08	74.00	36.92	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

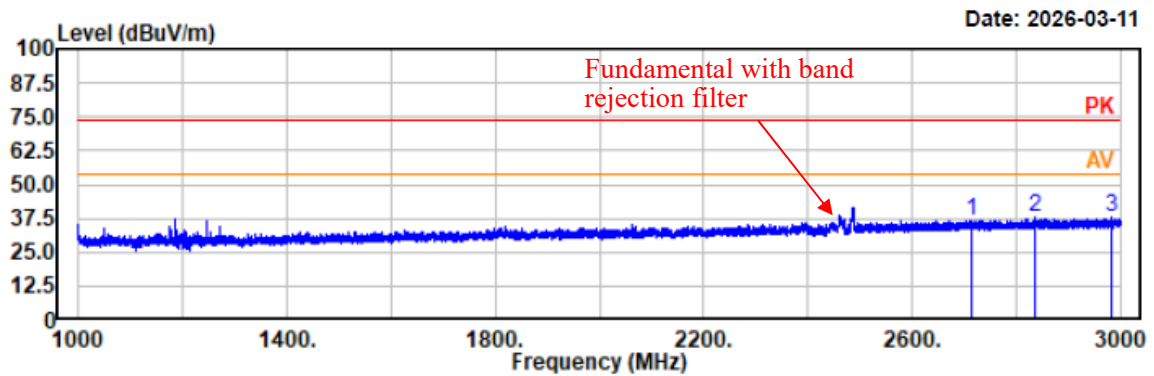


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2605.40	47.41	-10.40	37.01	74.00	36.99	vertical	Peak
2721.60	46.96	-10.00	36.96	74.00	37.04	vertical	Peak
2932.20	47.57	-9.40	38.17	74.00	35.83	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

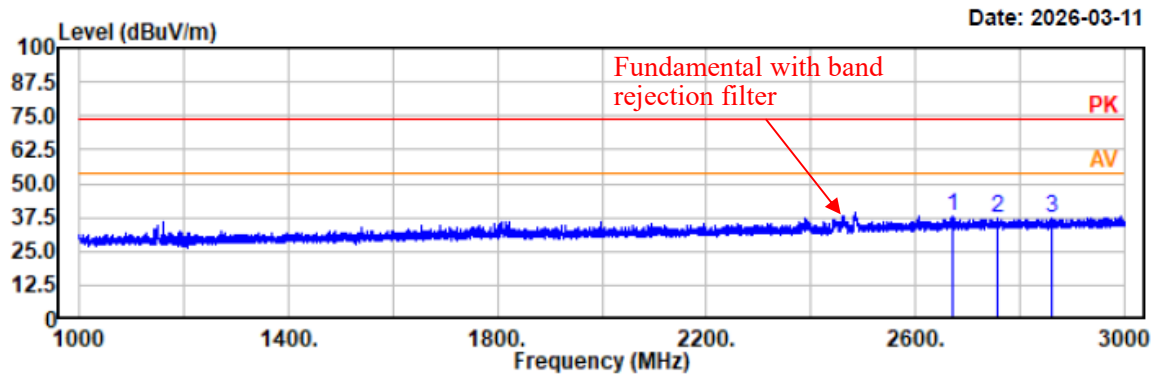


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2715.00	46.77	-10.01	36.76	74.00	37.24	horizontal	Peak
2837.00	47.38	-9.68	37.70	74.00	36.30	horizontal	Peak
2981.20	46.80	-9.10	37.70	74.00	36.30	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



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

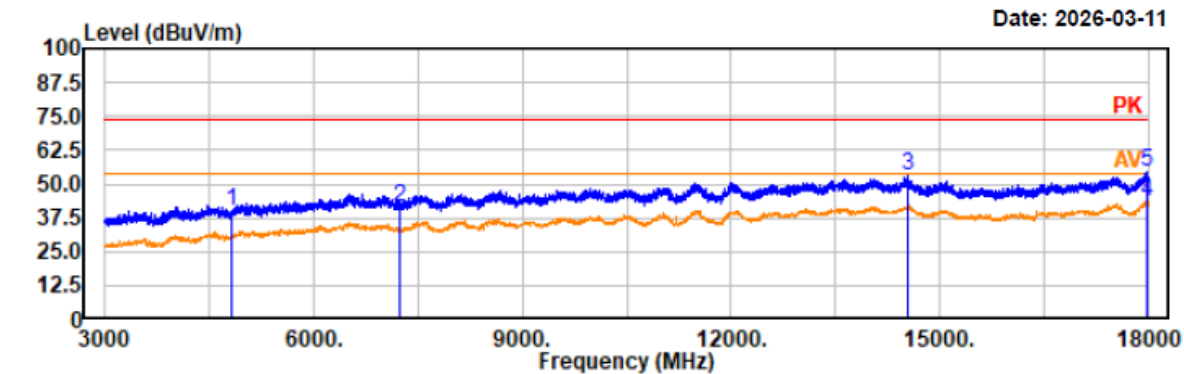
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2670.40	48.00	-10.15	37.85	74.00	36.15	vertical	Peak
2758.80	47.29	-9.91	37.38	74.00	36.62	vertical	Peak
2861.80	47.02	-9.65	37.37	74.00	36.63	vertical	Peak

4) 3GHz~18GHz

Configuration 1#(Scanner variant)

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



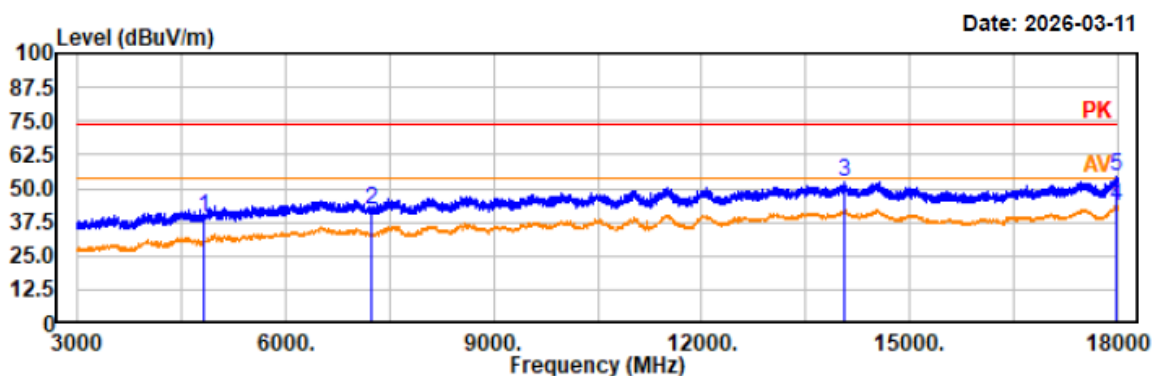
Trace: 1

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	45.55	-5.26	40.29	74.00	33.71	horizontal	Peak
7236.00	44.04	-2.47	41.57	74.00	32.43	horizontal	Peak
14550.00	47.67	5.09	52.76	74.00	21.24	horizontal	Peak
17989.50	36.30	6.83	43.13	54.00	10.87	horizontal	Average
17989.50	47.60	6.83	54.43	74.00	19.57	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



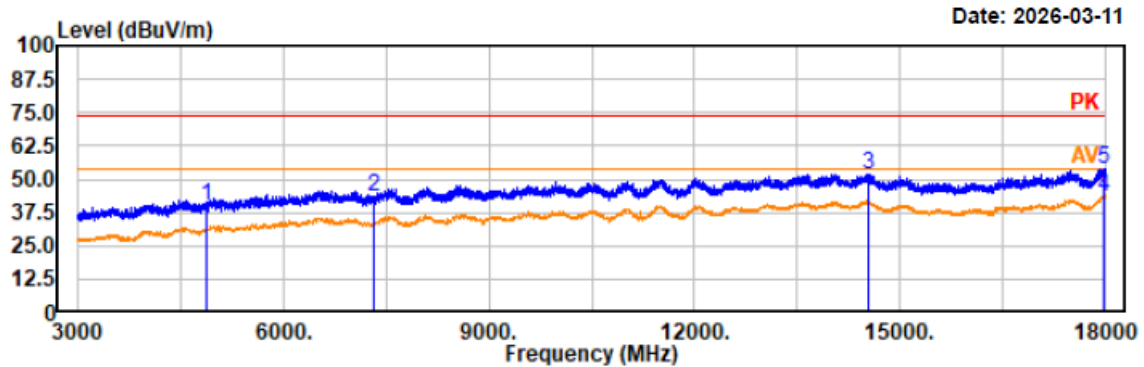
Trace: 1

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	44.81	-5.26	39.55	74.00	34.45	vertical	Peak
7236.00	44.65	-2.47	42.18	74.00	31.82	vertical	Peak
14061.00	47.28	5.23	52.51	74.00	21.49	vertical	Peak
17968.50	36.38	6.82	43.20	54.00	10.80	vertical	Average
17968.50	47.34	6.82	54.16	74.00	19.84	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

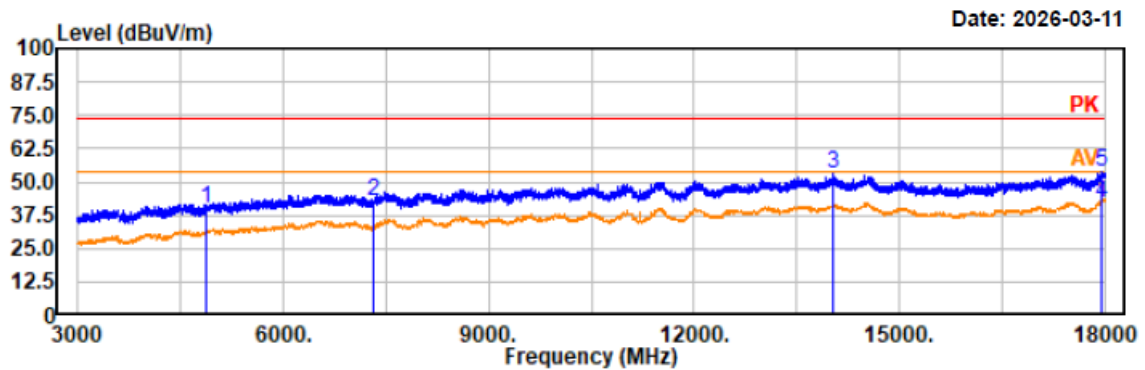
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.13	-5.24	39.89	74.00	34.11	horizontal	Peak
7311.00	45.52	-2.30	43.22	74.00	30.78	horizontal	Peak
14535.00	46.77	5.13	51.90	74.00	22.10	horizontal	Peak
17970.00	36.32	6.82	43.14	54.00	10.86	horizontal	Average
17970.00	47.22	6.82	54.04	74.00	19.96	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

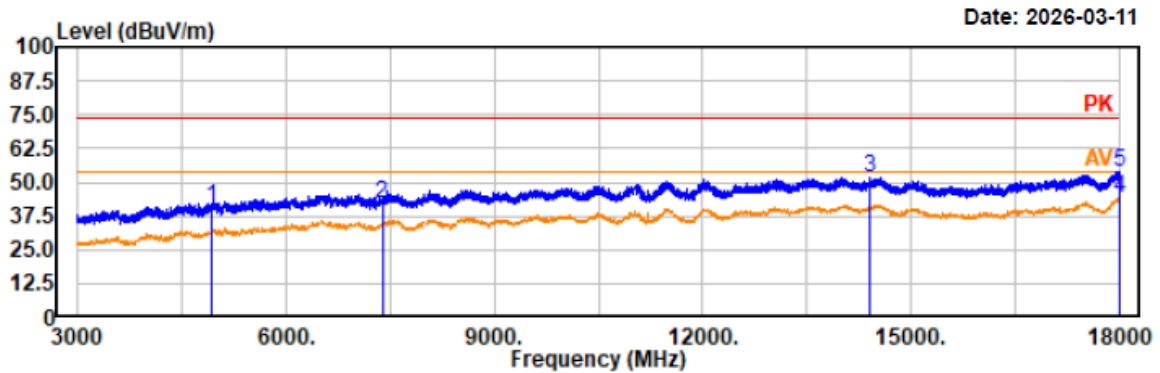
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	vertical	Peak
7311.00	44.89	-2.30	42.59	74.00	31.41	vertical	Peak
14035.50	47.83	5.19	53.02	74.00	20.98	vertical	Peak
17964.00	35.56	6.81	42.37	54.00	11.63	vertical	Average
17964.00	47.11	6.81	53.92	74.00	20.08	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

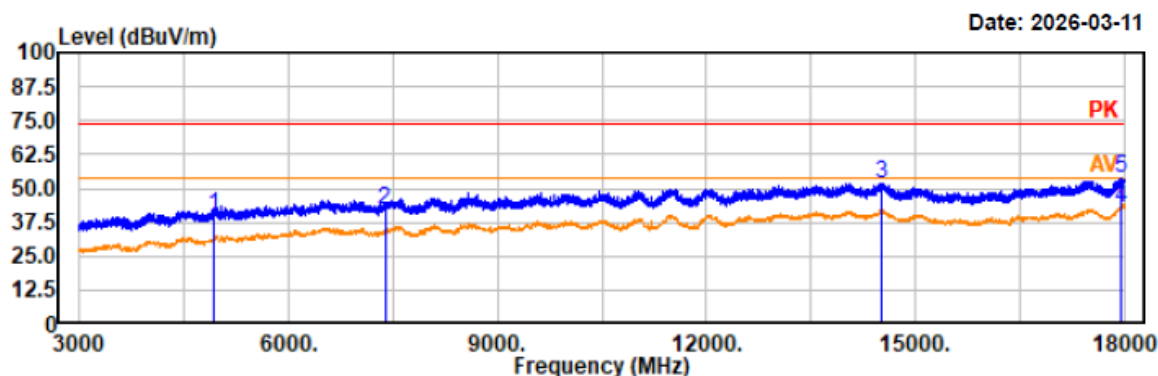
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.50	45.92	-5.18	40.74	74.00	33.26	horizontal	Peak
7386.00	44.46	-2.21	42.25	74.00	31.75	horizontal	Peak
14410.50	46.45	5.28	51.73	74.00	22.27	horizontal	Peak
17994.00	37.15	6.83	43.98	54.00	10.02	horizontal	Average
17994.00	47.05	6.83	53.88	74.00	20.12	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

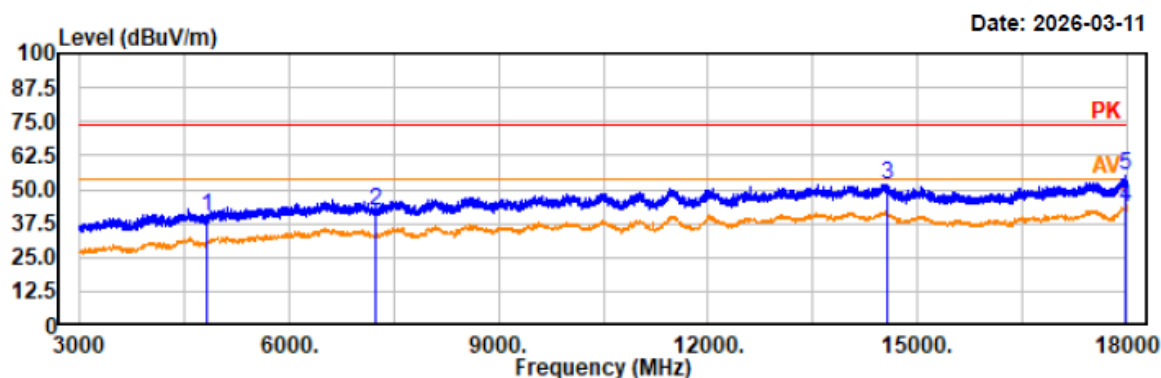
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.45	-5.18	40.27	74.00	33.73	vertical	Peak
7386.00	44.33	-2.21	42.12	74.00	31.88	vertical	Peak
14505.00	46.86	5.15	52.01	74.00	21.99	vertical	Peak
17959.50	36.12	6.81	42.93	54.00	11.07	vertical	Average
17959.50	46.70	6.81	53.51	74.00	20.49	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

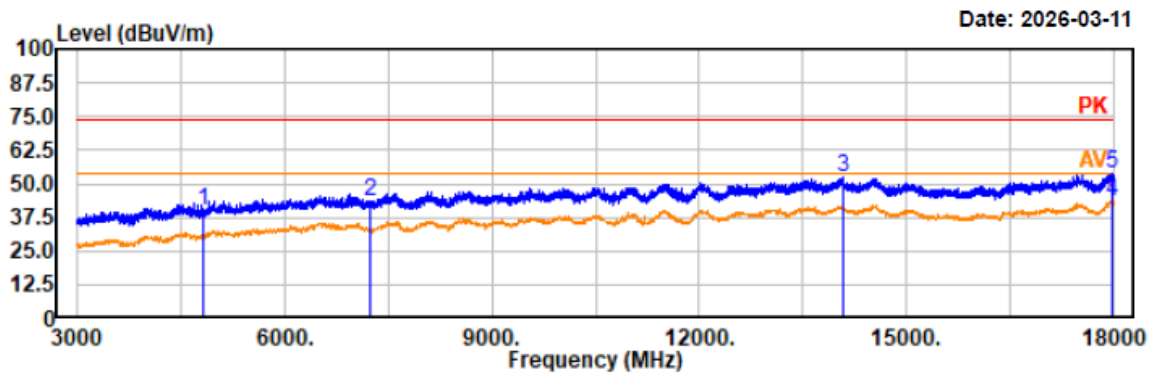
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	44.99	-5.26	39.73	74.00	34.27	horizontal	Peak
7236.00	44.81	-2.47	42.34	74.00	31.66	horizontal	Peak
14569.50	46.84	5.07	51.91	74.00	22.09	horizontal	Peak
17986.50	36.70	6.83	43.53	54.00	10.47	horizontal	Average
17986.50	48.14	6.83	54.97	74.00	19.03	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

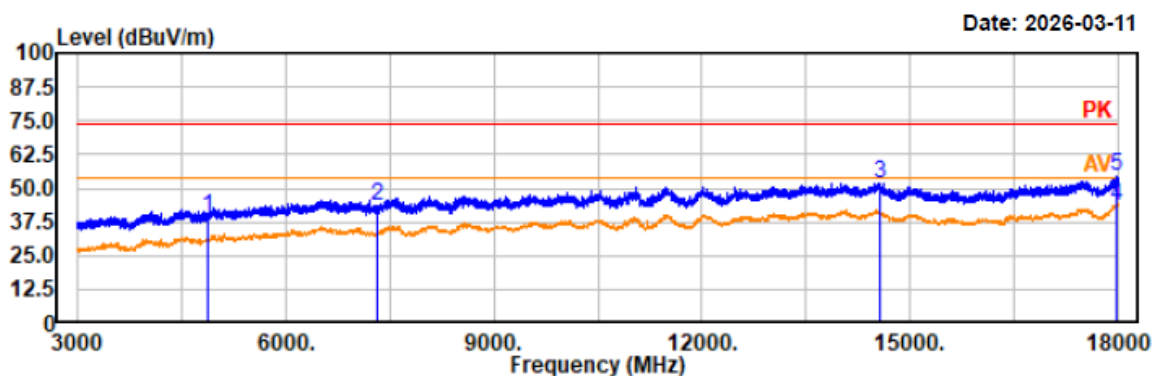
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.11	-5.26	39.85	74.00	34.15	vertical	Peak
7236.00	45.73	-2.47	43.26	74.00	30.74	vertical	Peak
14086.50	47.44	5.27	52.71	74.00	21.29	vertical	Peak
17983.50	36.58	6.83	43.41	54.00	10.59	vertical	Average
17983.50	46.84	6.83	53.67	74.00	20.33	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

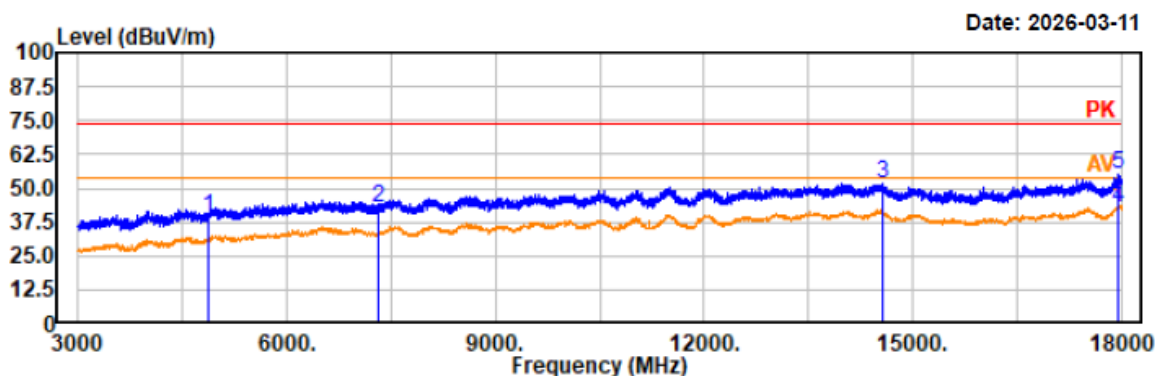
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	44.75	-5.24	39.51	74.00	34.49	horizontal	Peak
7311.00	45.68	-2.30	43.38	74.00	30.62	horizontal	Peak
14560.50	46.83	5.09	51.92	74.00	22.08	horizontal	Peak
17989.50	36.89	6.83	43.72	54.00	10.28	horizontal	Average
17989.50	47.67	6.83	54.50	74.00	19.50	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

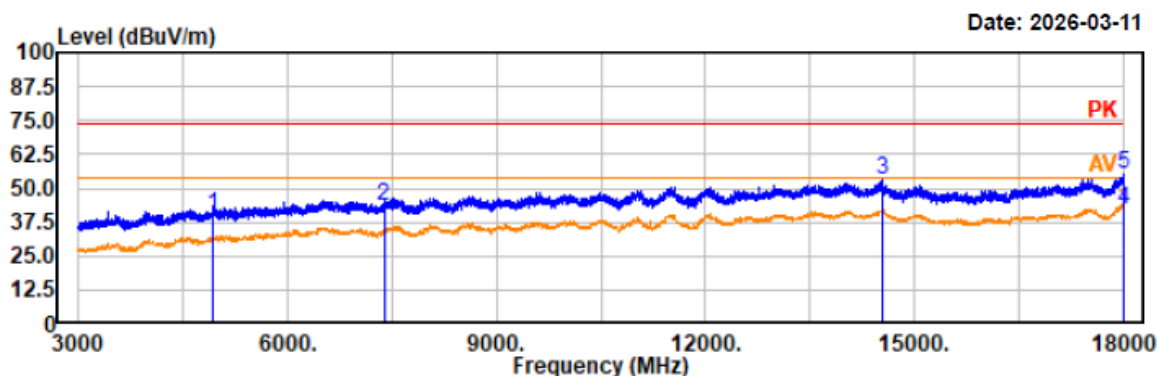
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	44.56	-5.24	39.32	74.00	34.68	vertical	Peak
7311.00	44.87	-2.30	42.57	74.00	31.43	vertical	Peak
14565.00	46.53	5.07	51.60	74.00	22.40	vertical	Peak
17950.50	36.01	6.81	42.82	54.00	11.18	vertical	Average
17950.50	48.36	6.81	55.17	74.00	18.83	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

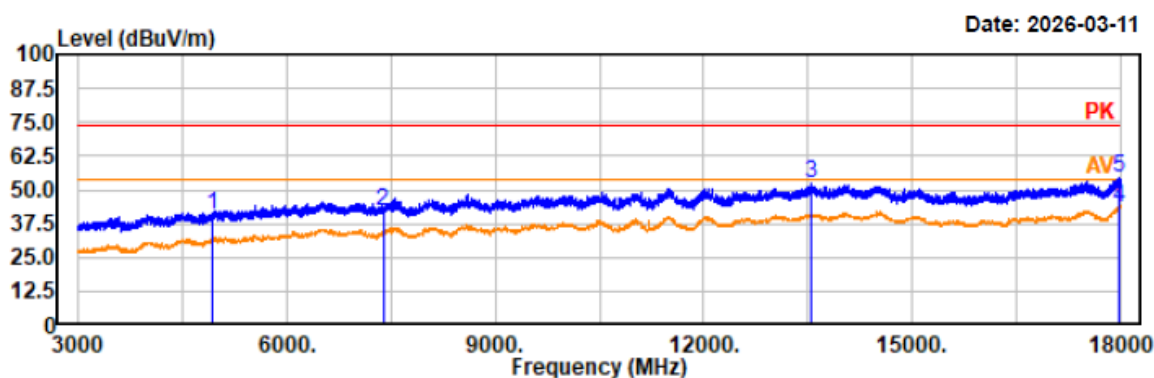
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.50	-5.18	40.32	74.00	33.68	horizontal	Peak
7386.00	45.59	-2.21	43.38	74.00	30.62	horizontal	Peak
14550.00	47.85	5.09	52.94	74.00	21.06	horizontal	Peak
17997.00	35.34	6.84	42.18	54.00	11.82	horizontal	Average
17997.00	48.02	6.84	54.86	74.00	19.14	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

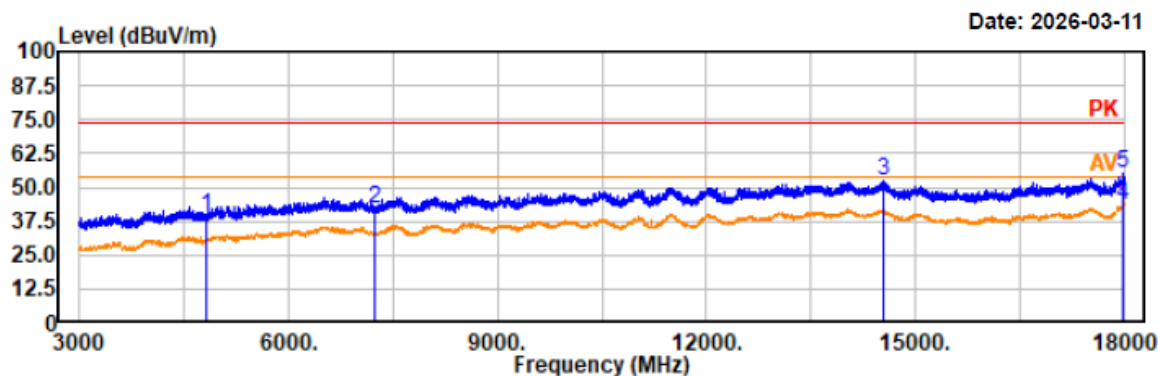
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.71	-5.18	40.53	74.00	33.47	vertical	Peak
7386.00	44.09	-2.21	41.88	74.00	32.12	vertical	Peak
13540.50	47.54	4.65	52.19	74.00	21.81	vertical	Peak
17988.00	36.39	6.83	43.22	54.00	10.78	vertical	Average
17988.00	47.34	6.83	54.17	74.00	19.83	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

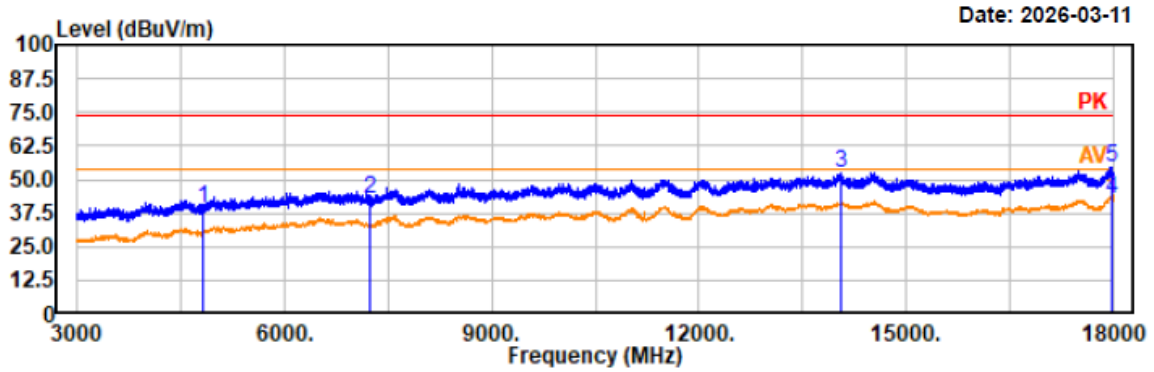
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	44.69	-5.26	39.43	74.00	34.57	horizontal	Peak
7236.00	44.24	-2.47	41.77	74.00	32.23	horizontal	Peak
14539.50	47.47	5.11	52.58	74.00	21.42	horizontal	Peak
17989.50	36.62	6.83	43.45	54.00	10.55	horizontal	Average
17989.50	48.30	6.83	55.13	74.00	18.87	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

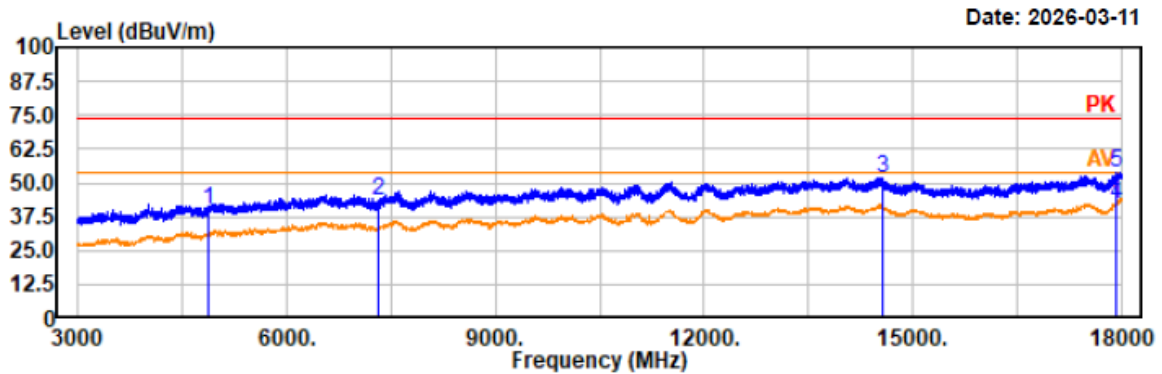
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	44.73	-5.26	39.47	74.00	34.53	vertical	Peak
7236.00	45.07	-2.47	42.60	74.00	31.40	vertical	Peak
14058.00	47.32	5.23	52.55	74.00	21.45	vertical	Peak
17979.00	36.23	6.83	43.06	54.00	10.94	vertical	Average
17979.00	47.79	6.83	54.62	74.00	19.38	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

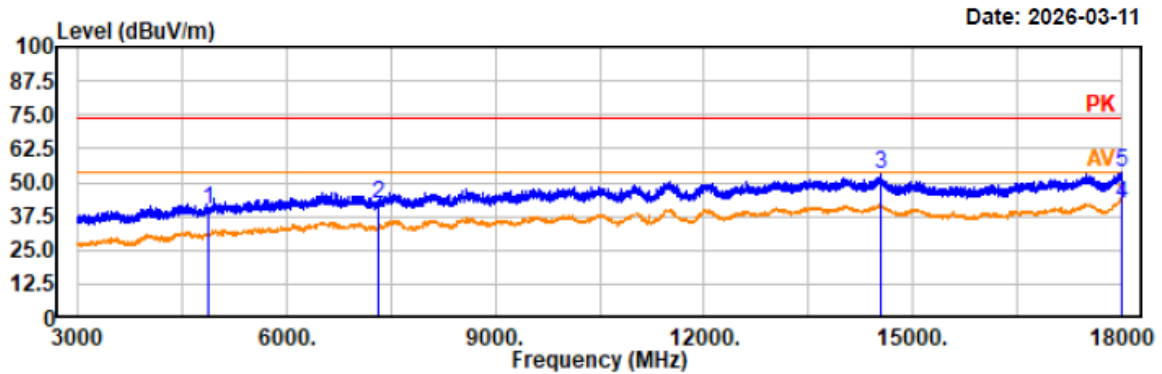
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.37	-5.24	40.13	74.00	33.87	horizontal	Peak
7311.00	45.64	-2.30	43.34	74.00	30.66	horizontal	Peak
14571.00	46.93	5.07	52.00	74.00	22.00	horizontal	Peak
17929.50	35.45	6.80	42.25	54.00	11.75	horizontal	Average
17929.50	47.22	6.80	54.02	74.00	19.98	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

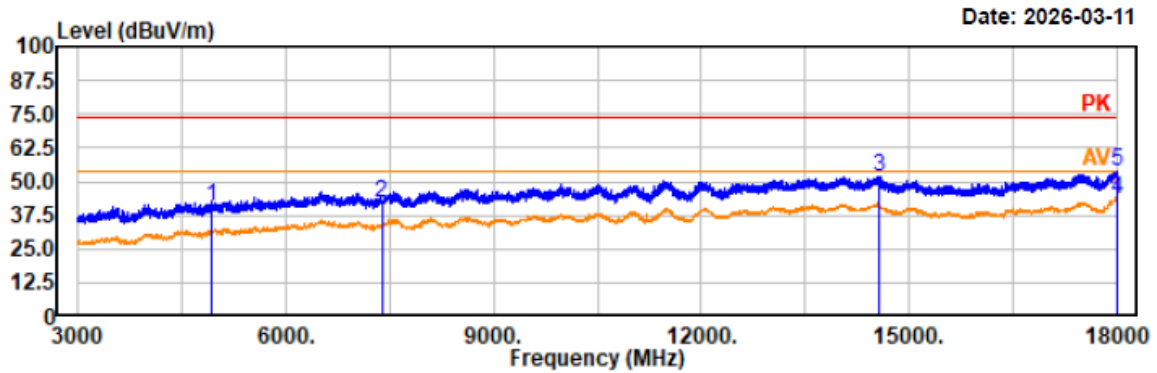
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.02	-5.24	39.78	74.00	34.22	vertical	Peak
7311.00	44.19	-2.30	41.89	74.00	32.11	vertical	Peak
14532.00	47.73	5.12	52.85	74.00	21.15	vertical	Peak
17997.00	35.46	6.84	42.30	54.00	11.70	vertical	Average
17997.00	46.76	6.84	53.60	74.00	20.40	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



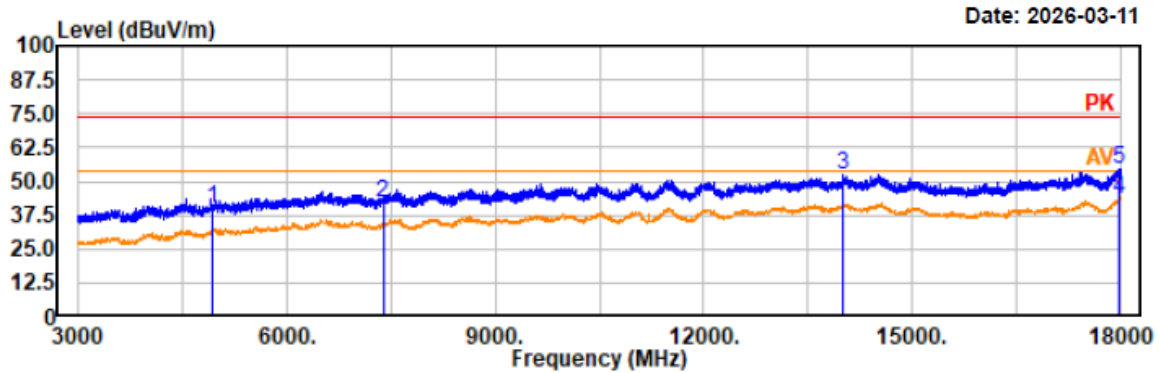
Trace: 1

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	45.72	-5.18	40.54	74.00	33.46	horizontal	Peak
7386.00	44.53	-2.21	42.32	74.00	31.68	horizontal	Peak
14556.00	46.74	5.08	51.82	74.00	22.18	horizontal	Peak
17992.50	36.50	6.83	43.33	54.00	10.67	horizontal	Average
17992.50	47.19	6.83	54.02	74.00	19.98	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

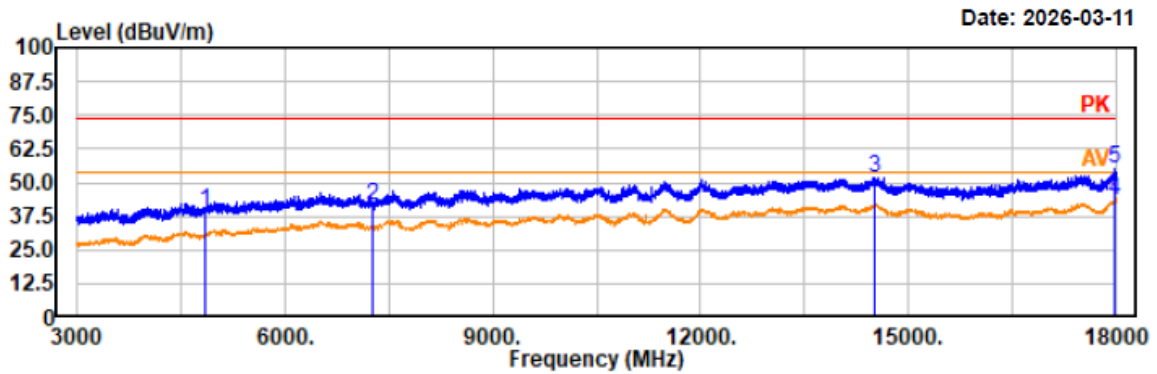
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.50	45.11	-5.18	39.93	74.00	34.07	vertical	Peak
7386.00	44.62	-2.21	42.41	74.00	31.59	vertical	Peak
14013.00	47.02	5.16	52.18	74.00	21.82	vertical	Peak
17983.50	36.45	6.83	43.28	54.00	10.72	vertical	Average
17983.50	47.41	6.83	54.24	74.00	19.76	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

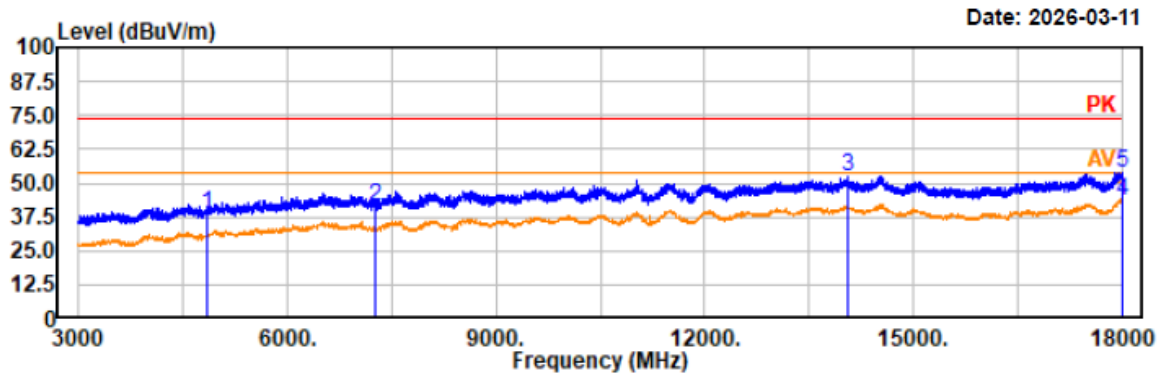
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	44.87	-5.25	39.62	74.00	34.38	horizontal	Peak
7266.00	43.84	-2.39	41.45	74.00	32.55	horizontal	Peak
14523.00	46.61	5.13	51.74	74.00	22.26	horizontal	Peak
17986.50	36.90	6.83	43.73	54.00	10.27	horizontal	Average
17986.50	48.16	6.83	54.99	74.00	19.01	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

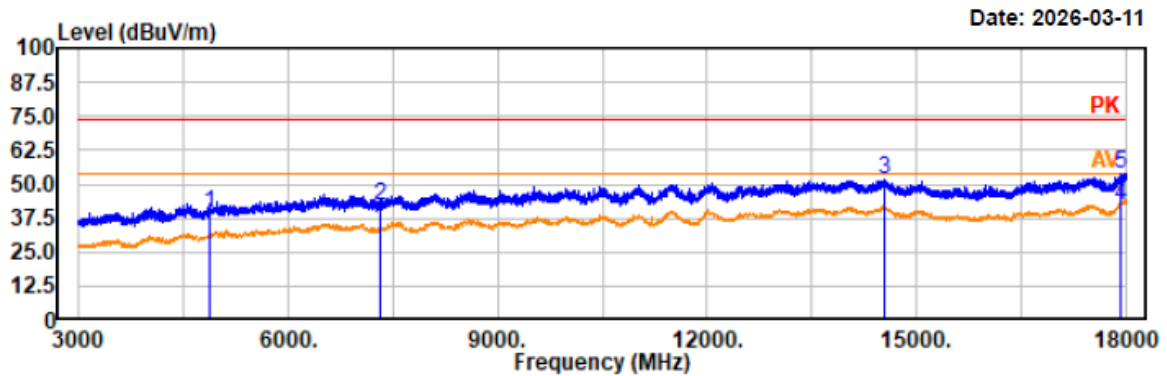
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	43.59	-5.25	38.34	74.00	35.66	vertical	Peak
7266.00	44.02	-2.39	41.63	74.00	32.37	vertical	Peak
14061.00	47.14	5.23	52.37	74.00	21.63	vertical	Peak
17992.50	36.78	6.83	43.61	54.00	10.39	vertical	Average
17992.50	47.10	6.83	53.93	74.00	20.07	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

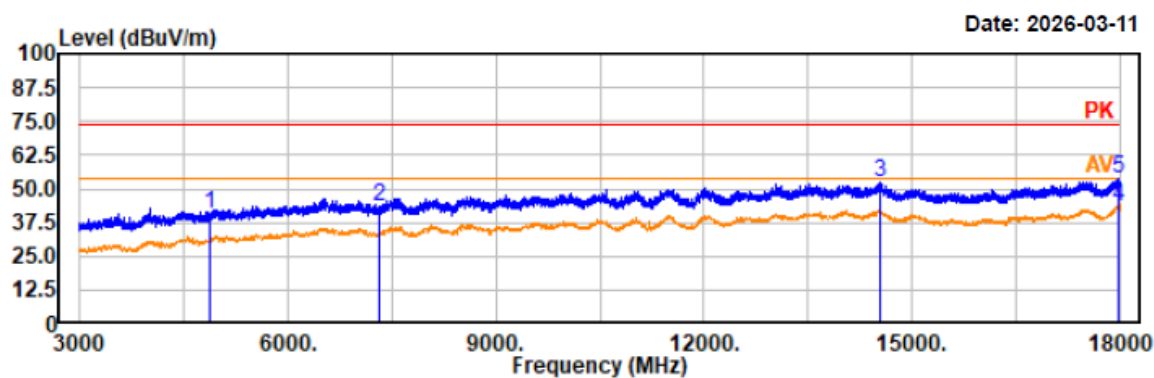
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	44.30	-5.24	39.06	74.00	34.94	horizontal	Peak
7311.00	44.64	-2.30	42.34	74.00	31.66	horizontal	Peak
14539.50	46.66	5.11	51.77	74.00	22.23	horizontal	Peak
17913.00	35.36	6.78	42.14	54.00	11.86	horizontal	Average
17913.00	47.14	6.78	53.92	74.00	20.08	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



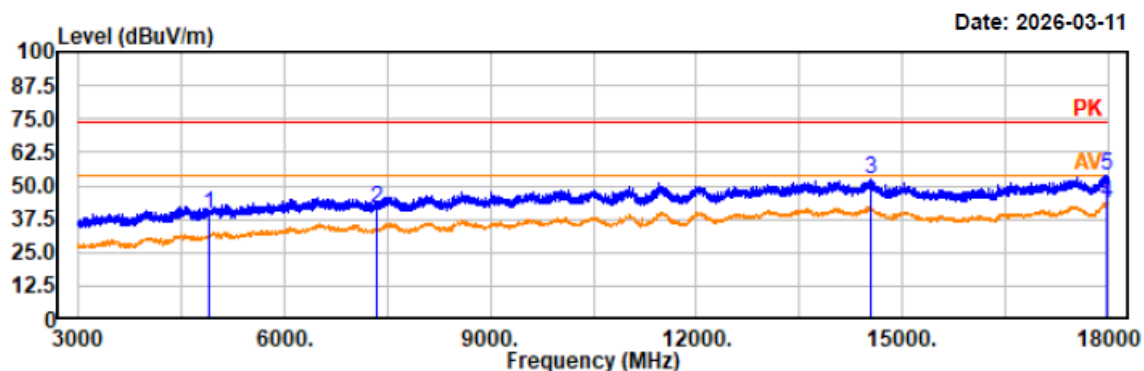
Trace: 1

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	46.26	-5.24	41.02	74.00	32.98	vertical	Peak
7311.00	45.52	-2.30	43.22	74.00	30.78	vertical	Peak
14553.00	47.48	5.09	52.57	74.00	21.43	vertical	Peak
17991.00	36.65	6.83	43.48	54.00	10.52	vertical	Average
17991.00	47.18	6.83	54.01	74.00	19.99	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

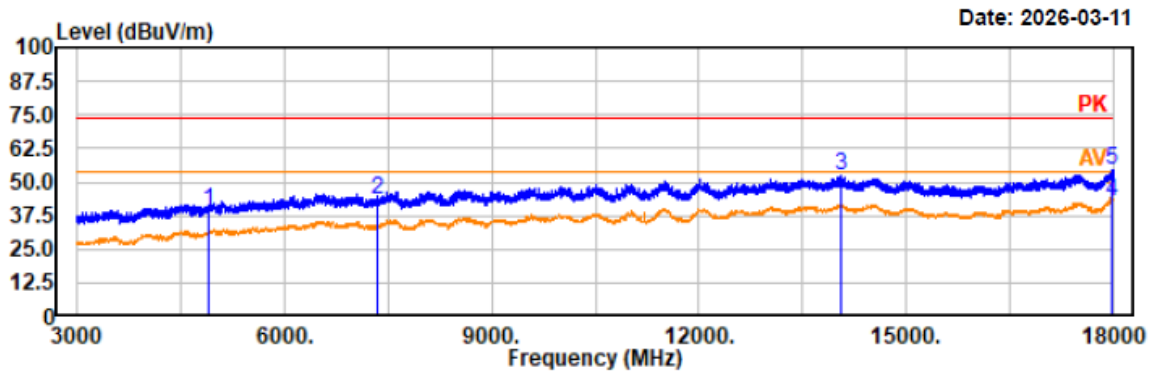
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	44.45	-5.23	39.22	74.00	34.78	horizontal	Peak
7356.00	43.86	-2.21	41.65	74.00	32.35	horizontal	Peak
14548.50	47.53	5.10	52.63	74.00	21.37	horizontal	Peak
17979.00	36.48	6.83	43.31	54.00	10.69	horizontal	Average
17979.00	46.89	6.83	53.72	74.00	20.28	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/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	44.54	-5.23	39.31	74.00	34.69	vertical	Peak
7356.00	45.55	-2.21	43.34	74.00	30.66	vertical	Peak
14067.00	47.04	5.23	52.27	74.00	21.73	vertical	Peak
17983.50	35.89	6.83	42.72	54.00	11.28	vertical	Average
17983.50	47.72	6.83	54.55	74.00	19.45	vertical	Peak

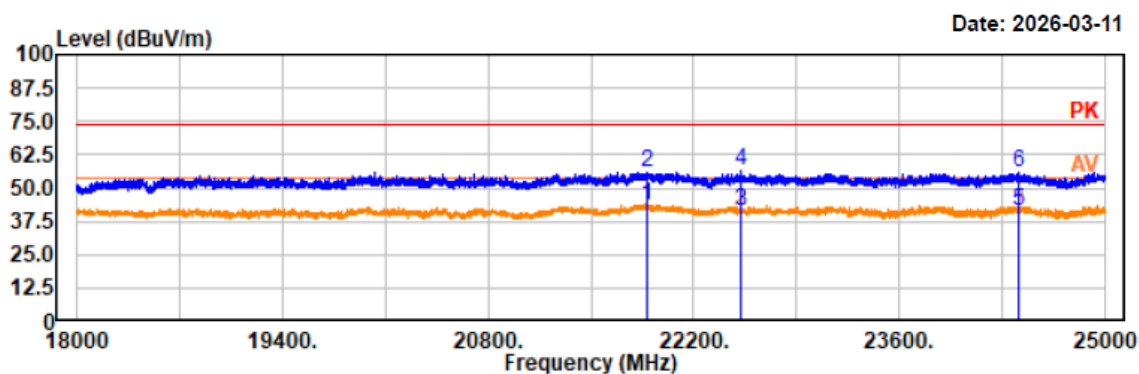
5) 18-25GHz

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

Configuration 1#(Scanner variant)

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 1.5m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wliff Wu
Power Source: AC 120V/60Hz



Trace: 1

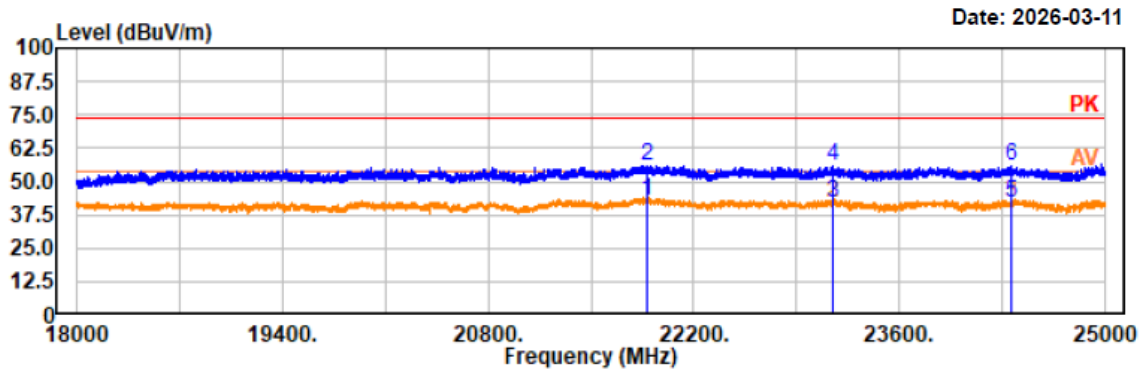
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
21886.40	38.13	5.25	43.38	54.00	10.62	horizontal	Average
21886.40	50.55	5.25	55.80	74.00	18.20	horizontal	Peak
22522.70	36.50	5.05	41.55	54.00	12.45	horizontal	Average
22522.70	51.48	5.05	56.53	74.00	17.47	horizontal	Peak
24415.50	35.19	6.12	41.31	54.00	12.69	horizontal	Average
24415.50	50.07	6.12	56.19	74.00	17.81	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2437MHz
EUT Model: AXIUM DX8
Test distance: 1.5m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

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

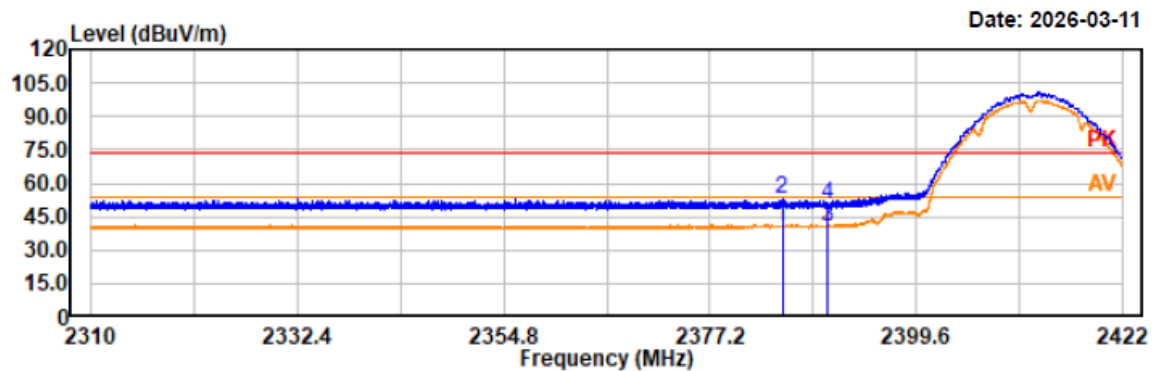
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
21882.20	37.63	5.27	42.90	54.00	11.10	vertical	Average
21882.20	50.80	5.27	56.07	74.00	17.93	vertical	Peak
23149.90	36.97	4.92	41.89	54.00	12.11	vertical	Average
23149.90	51.25	4.92	56.17	74.00	17.83	vertical	Peak
24368.60	35.92	6.06	41.98	54.00	12.02	vertical	Average
24368.60	49.52	6.06	55.58	74.00	18.42	vertical	Peak

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

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

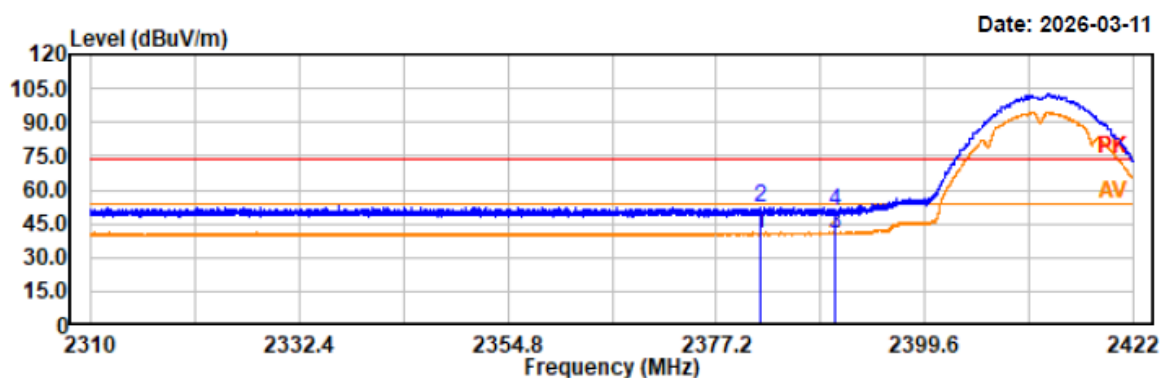
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2385.05	36.16	4.72	40.88	54.00	13.12	horizontal	Average
2385.05	47.87	4.72	52.59	74.00	21.41	horizontal	Peak
2390.00	35.64	4.74	40.38	54.00	13.62	horizontal	Average
2390.00	45.69	4.74	50.43	74.00	23.57	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

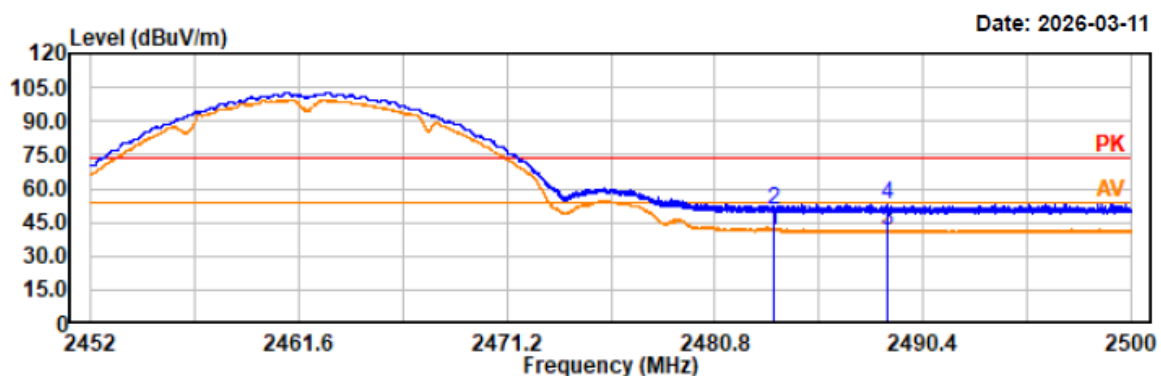
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2381.90	36.11	4.70	40.81	54.00	13.19	vertical	Average
2381.90	47.70	4.70	52.40	74.00	21.60	vertical	Peak
2390.00	35.97	4.74	40.71	54.00	13.29	vertical	Average
2390.00	45.62	4.74	50.36	74.00	23.64	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

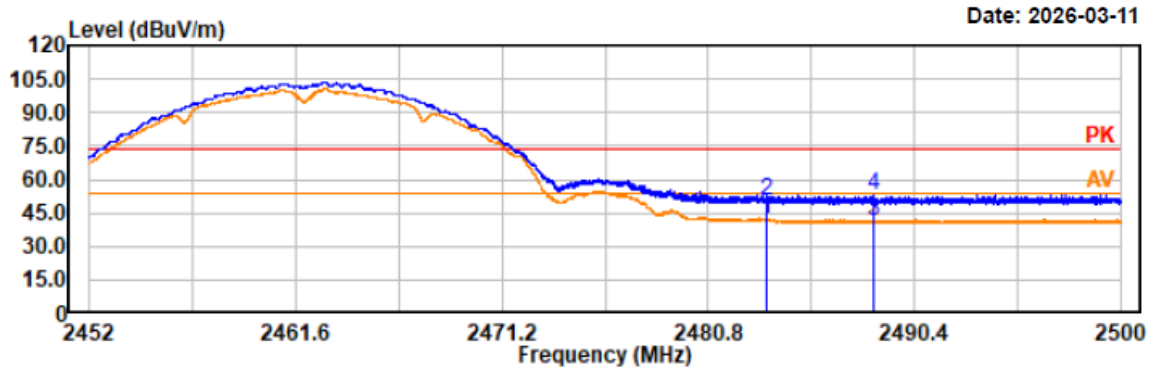
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	36.51	5.18	41.69	54.00	12.31	horizontal	Average
2483.50	45.57	5.18	50.75	74.00	23.25	horizontal	Peak
2488.73	36.12	5.20	41.32	54.00	12.68	horizontal	Average
2488.73	48.06	5.20	53.26	74.00	20.74	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11b 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



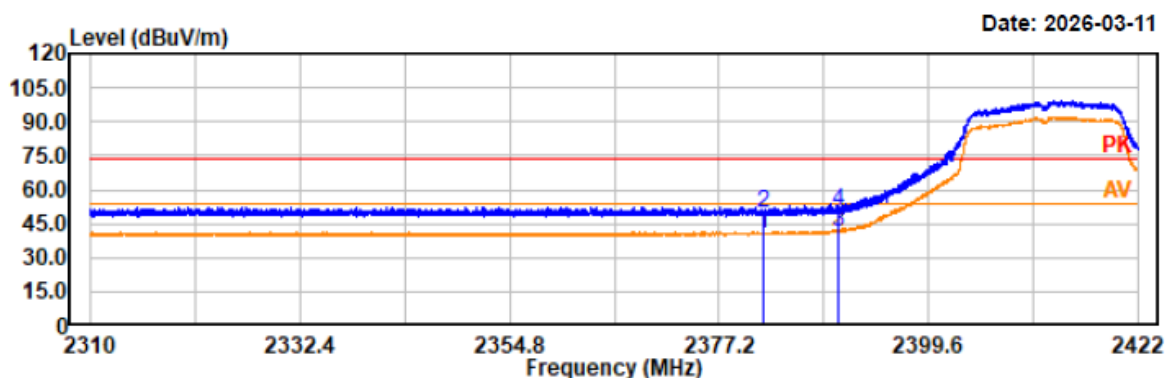
Trace: 1

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	36.76	5.18	41.94	54.00	12.06	vertical	Average
2483.50	45.59	5.18	50.77	74.00	23.23	vertical	Peak
2488.50	35.85	5.20	41.05	54.00	12.95	vertical	Average
2488.50	47.63	5.20	52.83	74.00	21.17	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

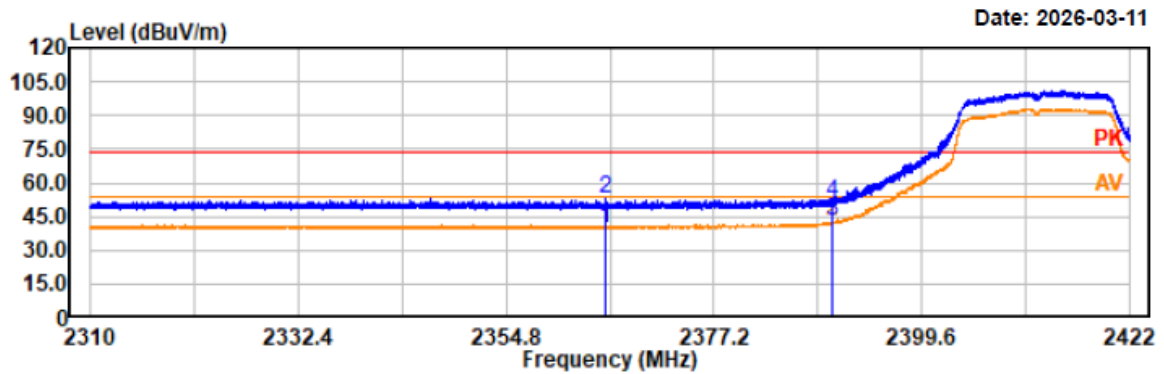
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2381.90	35.64	4.70	40.34	54.00	13.66	horizontal	Average
2381.90	44.57	4.70	49.27	74.00	24.73	horizontal	Peak
2390.00	37.03	4.74	41.77	54.00	12.23	horizontal	Average
2390.00	45.71	4.74	50.45	74.00	23.55	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

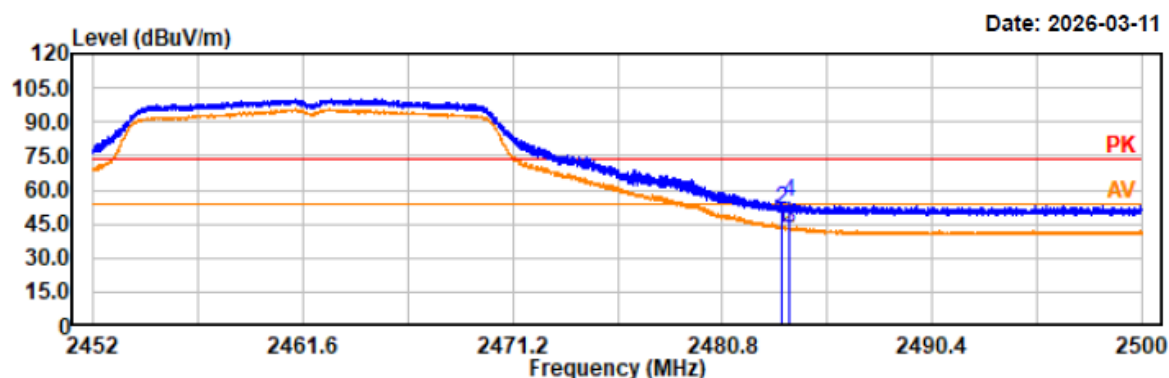
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2365.45	35.41	4.63	40.04	54.00	13.96	vertical	Average
2365.45	47.94	4.63	52.57	74.00	21.43	vertical	Peak
2390.00	37.95	4.74	42.69	54.00	11.31	vertical	Average
2390.00	46.72	4.74	51.46	74.00	22.54	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

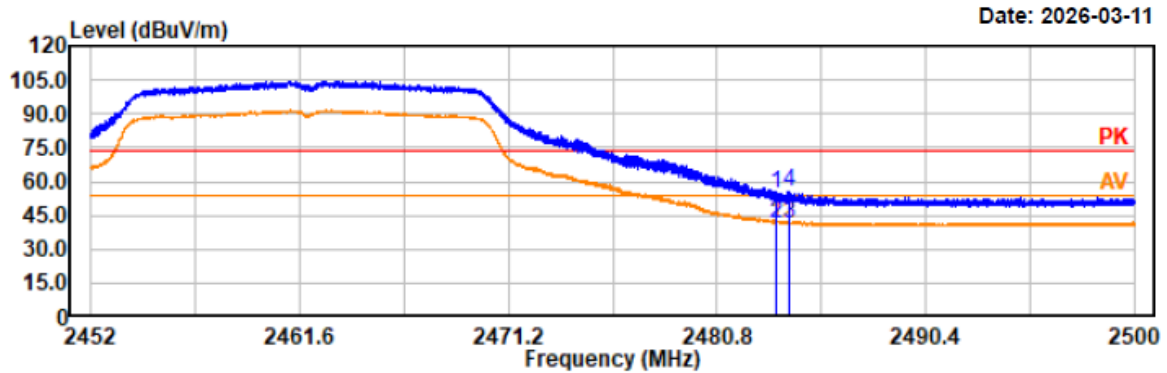
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	37.85	5.18	43.03	54.00	10.97	horizontal	Average
2483.50	46.26	5.18	51.44	74.00	22.56	horizontal	Peak
2483.85	37.74	5.19	42.93	54.00	11.07	horizontal	Average
2483.85	49.19	5.19	54.38	74.00	19.62	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11g 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

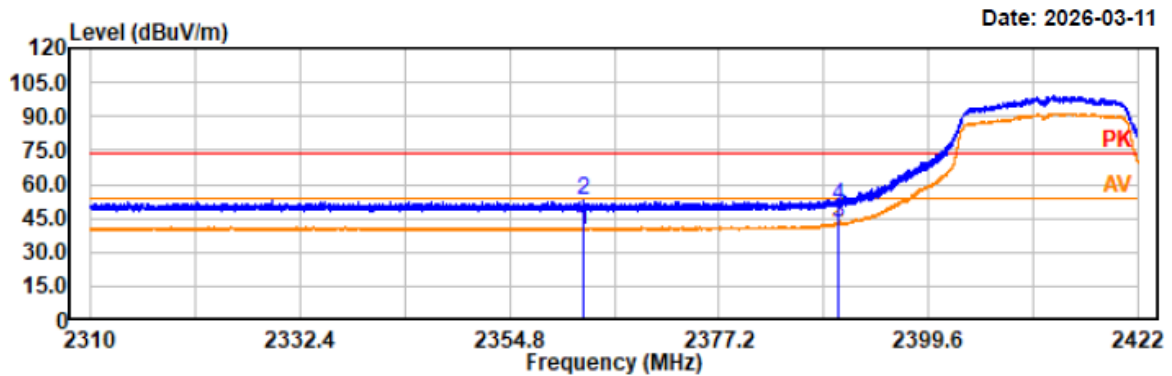
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	49.25	5.18	54.43	74.00	19.57	vertical	Peak
2483.50	36.61	5.18	41.79	54.00	12.21	vertical	Average
2484.15	36.38	5.19	41.57	54.00	12.43	vertical	Average
2484.15	50.55	5.19	55.74	74.00	18.26	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

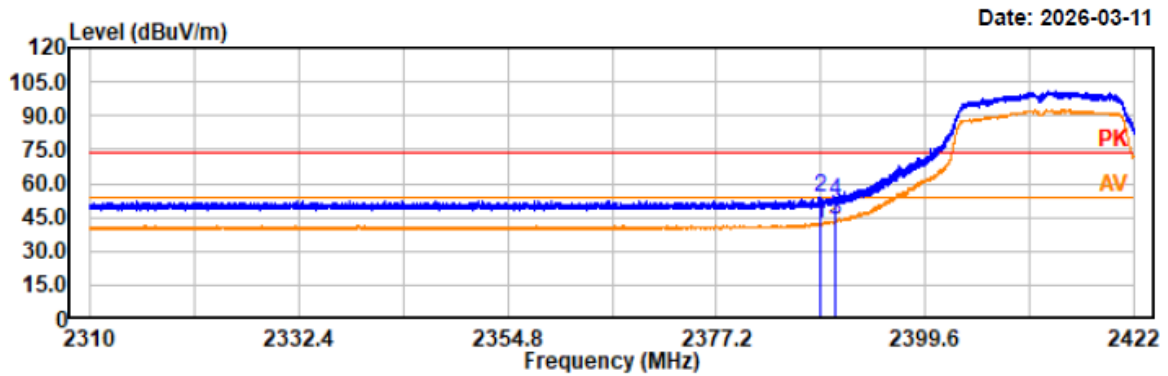
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2362.74	35.42	4.62	40.04	54.00	13.96	horizontal	Average
2362.74	47.95	4.62	52.57	74.00	21.43	horizontal	Peak
2390.00	38.17	4.74	42.91	54.00	11.09	horizontal	Average
2390.00	46.04	4.74	50.78	74.00	23.22	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

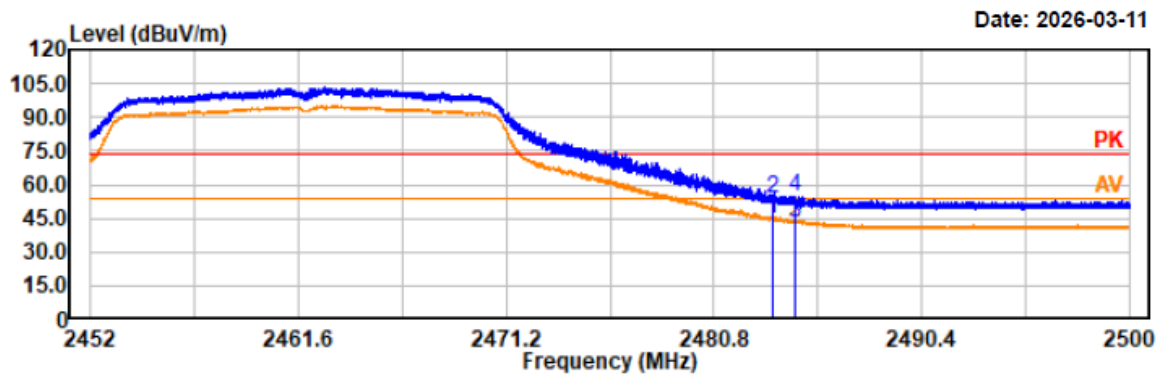
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2388.28	37.56	4.73	42.29	54.00	11.71	vertical	Average
2388.28	49.14	4.73	53.87	74.00	20.13	vertical	Peak
2390.00	39.11	4.74	43.85	54.00	10.15	vertical	Average
2390.00	47.73	4.74	52.47	74.00	21.53	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



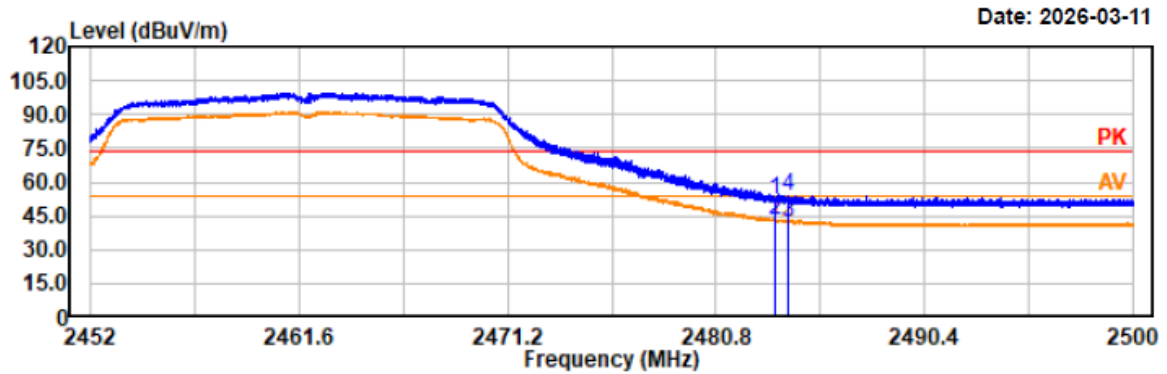
Trace: 1

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	39.37	5.18	44.55	54.00	9.45	horizontal	Average
2483.50	48.33	5.18	53.51	74.00	20.49	horizontal	Peak
2484.53	38.10	5.19	43.29	54.00	10.71	horizontal	Average
2484.53	49.79	5.19	54.98	74.00	19.02	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

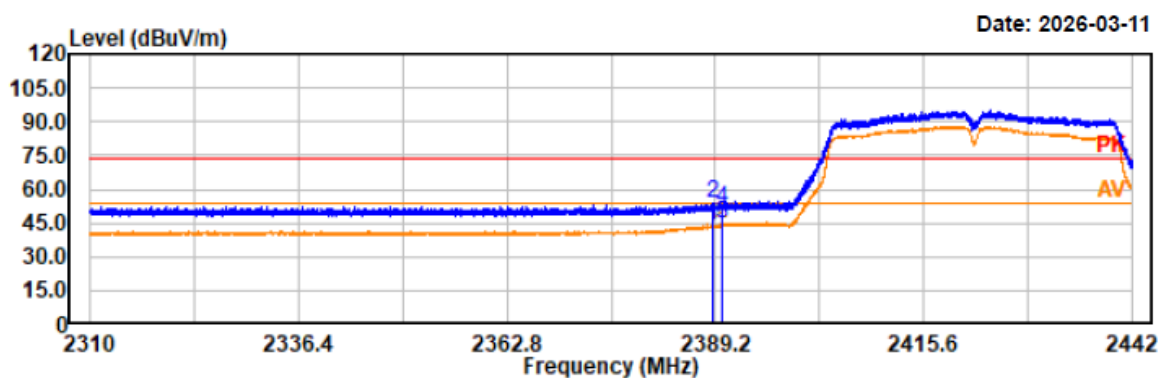
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	46.63	5.18	51.81	74.00	22.19	vertical	Peak
2483.50	37.96	5.18	43.14	54.00	10.86	vertical	Average
2484.10	36.81	5.19	42.00	54.00	12.00	vertical	Average
2484.10	49.01	5.19	54.20	74.00	19.80	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



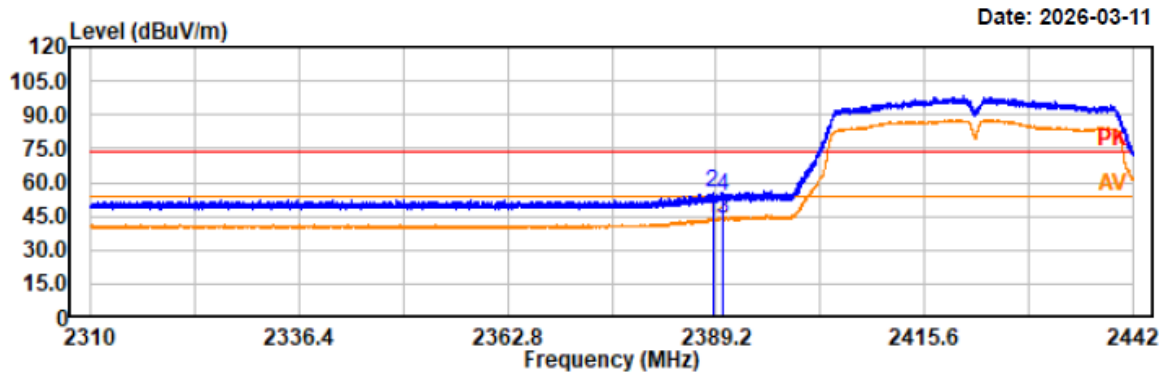
Trace: 1

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
2388.94	38.86	4.74	43.60	54.00	10.40	horizontal	Average
2388.94	49.41	4.74	54.15	74.00	19.85	horizontal	Peak
2390.00	39.60	4.74	44.34	54.00	9.66	horizontal	Average
2390.00	46.93	4.74	51.67	74.00	22.33	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

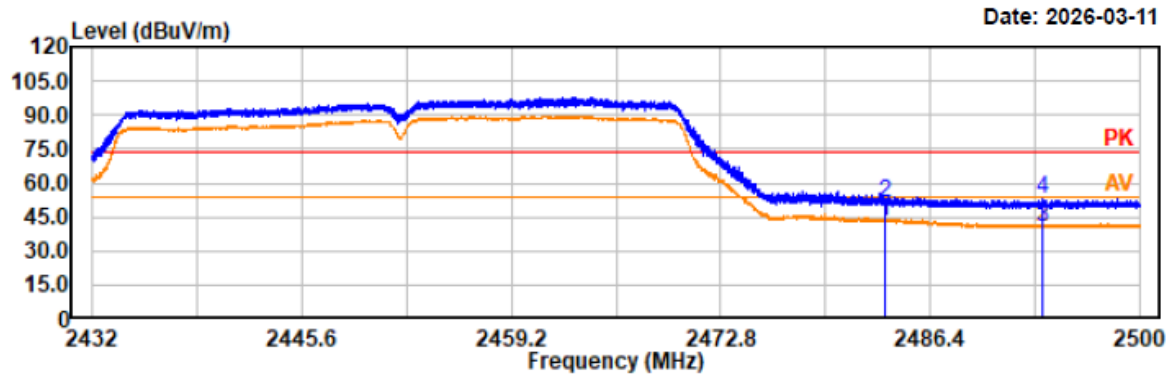
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2388.76	38.95	4.74	43.69	54.00	10.31	vertical	Average
2388.76	50.35	4.74	55.09	74.00	18.91	vertical	Peak
2390.00	38.86	4.74	43.60	54.00	10.40	vertical	Average
2390.00	48.64	4.74	53.38	74.00	20.62	vertical	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

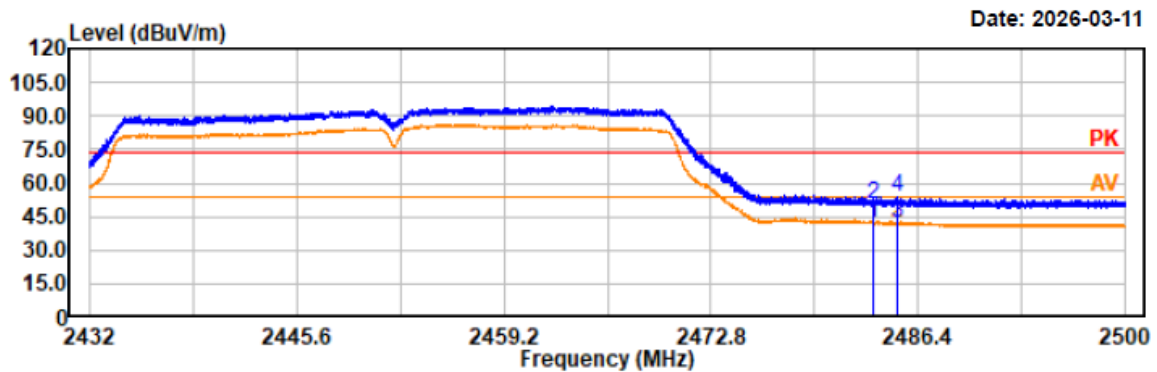
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	38.12	5.18	43.30	54.00	10.70	horizontal	Average
2483.50	45.85	5.18	51.03	74.00	22.97	horizontal	Peak
2493.66	35.55	5.23	40.78	54.00	13.22	horizontal	Average
2493.66	47.38	5.23	52.61	74.00	21.39	horizontal	Peak

Project No.: 2607P41361E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 21.4°C/42%/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

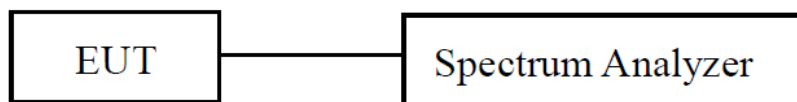
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	37.23	5.18	42.41	54.00	11.59	vertical	Average
2483.50	45.34	5.18	50.52	74.00	23.48	vertical	Peak
2485.07	36.75	5.19	41.94	54.00	12.06	vertical	Average
2485.07	48.32	5.19	53.51	74.00	20.49	vertical	Peak

FCC §15.247(a) (2) – 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.

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

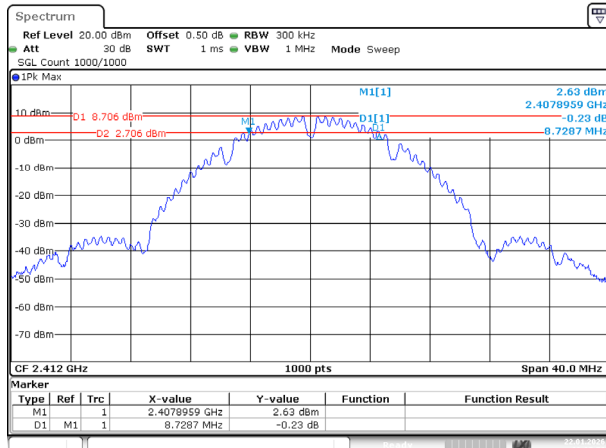
- a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- b) Set the VBW $\geq [3 \times \text{RBW}]$.
- c) Detector = peak.
- d) Trace mode = max-hold.
- e) Sweep = No faster than coupled (auto) time.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of 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:	2026-01-22	Environment:	Temp.: 21.3°C Humi.: 41% Atm :100.2kPa
Test Result:	Compliance		
Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
802.11b	2412	8.729	0.5
	2437	8.769	0.5
	2462	8.769	0.5
802.11g	2412	16.416	0.5
	2437	16.296	0.5
	2462	16.416	0.5
802.11n ht20	2412	17.578	0.5
	2437	17.618	0.5
	2462	17.658	0.5
802.11n ht40	2422	35.876	0.5
	2437	36.436	0.5
	2452	36.677	0.5

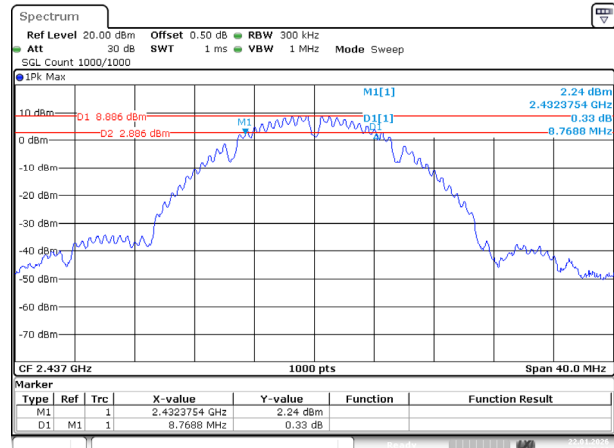
Please refer to below plots:

802.11b_2412MHz



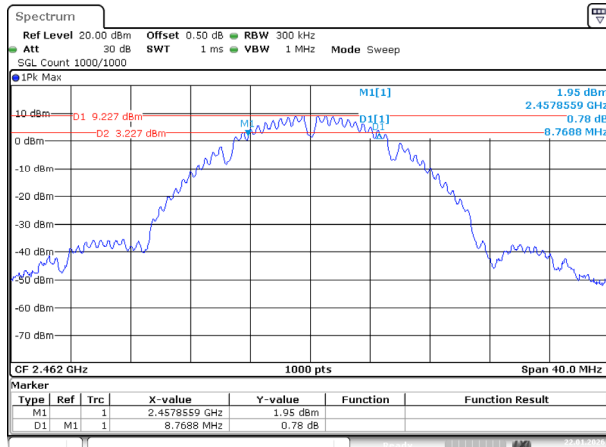
ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:05:58

802.11b_2437MHz



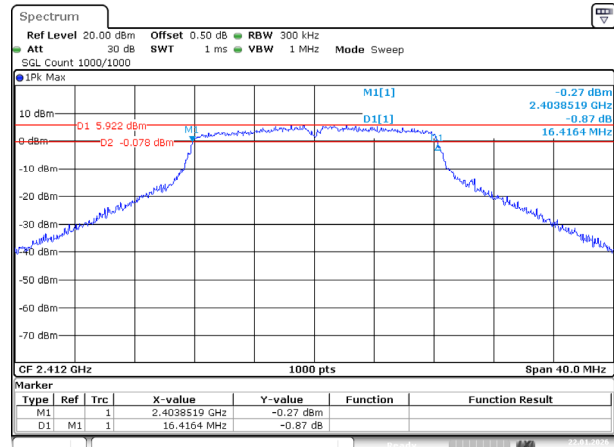
ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:06:29

802.11b_2462MHz



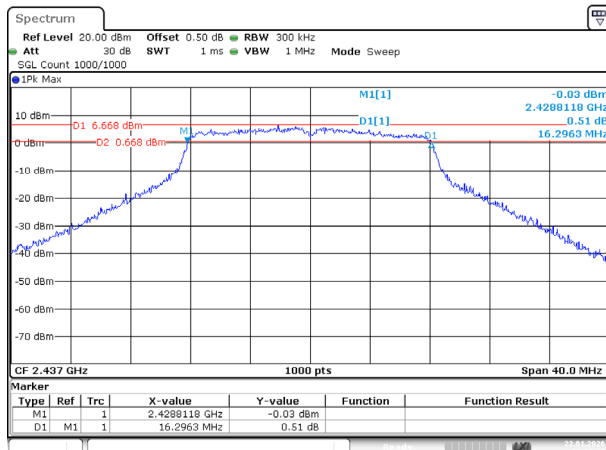
ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:08:49

802.11g_2412MHz



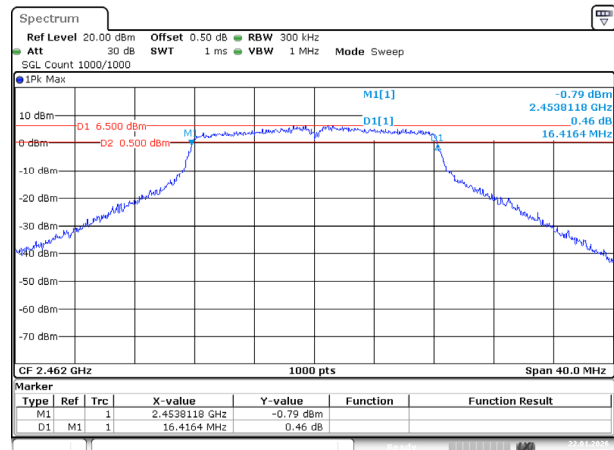
ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:09:42

802.11g_2437MHz



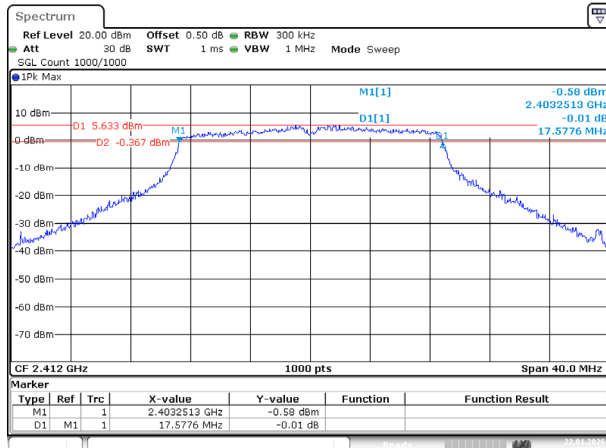
ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:10:12

802.11g_2462MHz



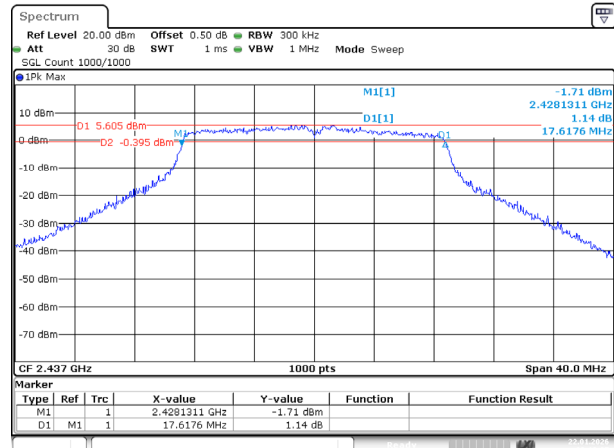
ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:10:48

802.11n20_2412MHz



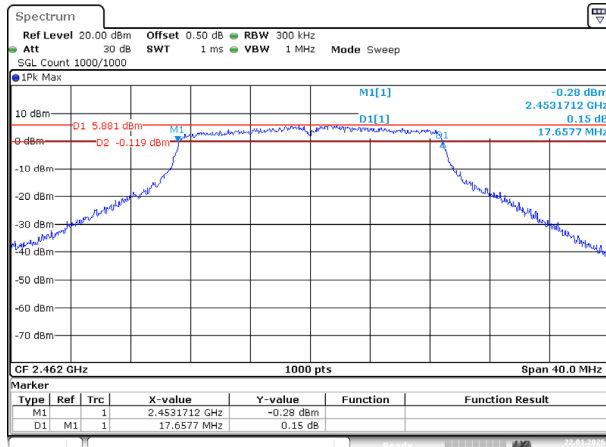
ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:11:40

802.11n20_2437MHz



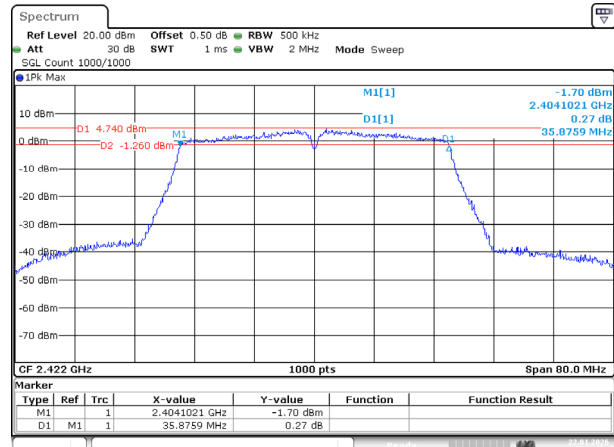
ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:13:24

802.11n20_2462MHz



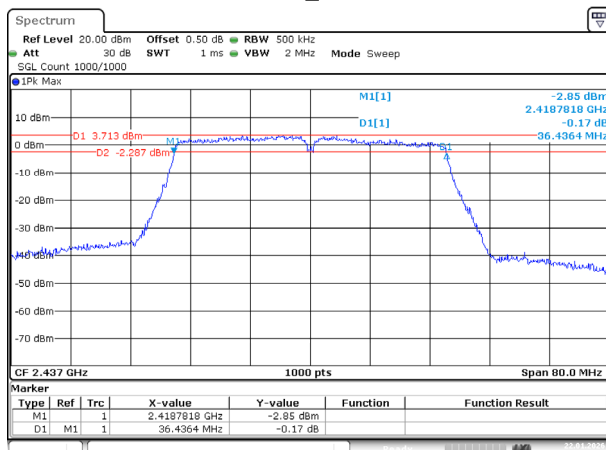
ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:14:03

802.11n40_2422MHz



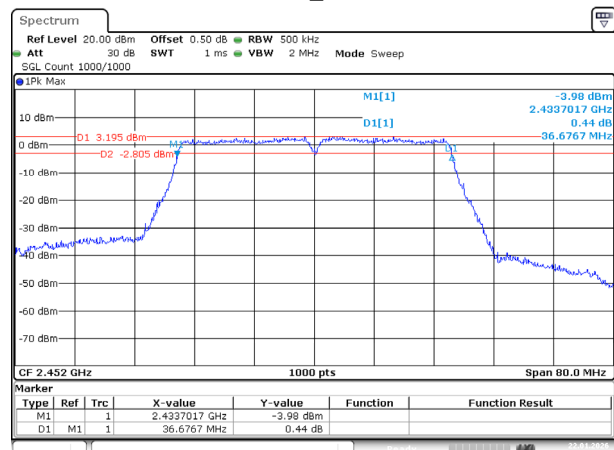
ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:15:11

802.11n40_2437MHz



ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:15:51

802.11n40_2452MHz



ProjectNo.:2607P41361E-RF Tester:Braylon Ma
Date: 22 JUN 2026 20:16:30

FCC §15.247(B) (3) - 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.

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:	2026-01-17	Environment:	Temp.: 22.9°C Humi.: 46% Atm :100.2kPa
Test Result:	Compliance		
Test Modes	Test Frequency (MHz)	Maximum Average Conducted Output Power (dBm)	Limit (dBm)
802.11b	2412	12.89	30
	2437	13.49	30
	2462	12.97	30
Antenna Gain(dBi):	2.98	Max.EIRP(dBm):	16.47

Note:

The Spot Check data were similar to the original data.

EUT PHOTOGRAPHS

Please refer to the attachment 2607P41361E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2607P41361E-RF-INP EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2607P41361E-RF-TSP-01 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.

***** END OF REPORT *****