



FCC PART 15.407

TEST REPORT

For

Kutian (Xiamen) Microelectronics Co., Ltd.

Unit 305, No.1720 Gangzhong Road, Xiamen Area, China (Fujian) Pilot Free Trade Zone

FCC ID: 2BVSJP401-DAI

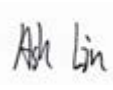
Report Type: Original Report	Product Name: Wireless Video Transmitter
Report Number:	2607R07841E-RF-02
Report Date:	2026-06-20
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2607R07841E-RF-02	R1V1	2026-06-20	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Kutian (Xiamen) Microelectronics Co., Ltd.
Product Name:	Wireless Video Transmitter
Tested Model:	P401-DAI
Series Model(s):	N/A
Power Supply:	DC 5V
Maximum Output Power:	6.88dBm
Operating Frequency:	5730-5840 MHz
Modulation Type:	OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM
Number of TX Chain(s):	2
Number of RX Chain(s):	2
Antenna Type:	Monopole Antenna
★Maximum Antenna Gain:	5.52 dBi
EUT Received Status:	Good
<i>Note:</i> 1. The Maximum Antenna Gain was declared by manufacturer. 2. All measurement and test data in this report was gathered from production sample serial number: 3HWY-1 (Assigned by the BACL (Xiamen). The EUT supplied by the applicant was received on 2026-03-02)	

Objective

This type approval report is prepared for *Kutian (Xiamen) Microelectronics Co., Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A and E of the Federal Communication Commissions' rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart E, section 15.203, 15.205, 15.207, 15.209 and 15.407 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.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Xiamen).

Measurement Uncertainty

Item		U _{lab} = 2 U _c (y) (Confidence of 95%)
Conducted Emission	150kHz-30MHz	2.52 dB
Radiated Emission	9kHz-150kHz	2.82dB
	150kHz-30MHz	2.74dB
	30MHz~1GHz	4.68dB
	1GHz~18GHz	5.00dB
	18GHz~26.5GHz	4.90dB
	26.5GHz~40GHz	4.90dB
Occupied Channel Bandwidth		1.69%
Transmitter Conducted Power		±0.43dB
Power Spectral Density		2.52dB
Duty Cycle		1%
Temperature		±1°C
Humidity		±5%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on 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.

SYSTEM TEST CONFIGURATION

Test Mode and Voltage

The system was configured for testing in a typical mode (as normally used by a typical user).	
Test mode:	Test mode 1: Transmitting
Test voltage:	DC 5V from Test jig (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

The EUT was configured for testing in an engineering mode which was provided by the manufacturer.

Test channel list is as below:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	5730	4	5820
2	5750	5	5840
3	5800		

For lowest, middle and highest channel, EUT was tested with channel 1, 3 and 5.

★EUT Exercise Software

EUT test in the engineer mode.

RF Test Tool: Artosyn8030PCTool.exe

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

Test Modes	Test Channels	Test Frequency	Power Level Setting
2.5MHz BW	Lowest	5730MHz	5
	Middle	5800MHz	5
	Highest	5840MHz	5
10MHz BW	Lowest	5730MHz	5
	Middle	5800MHz	5
	Highest	5840MHz	5

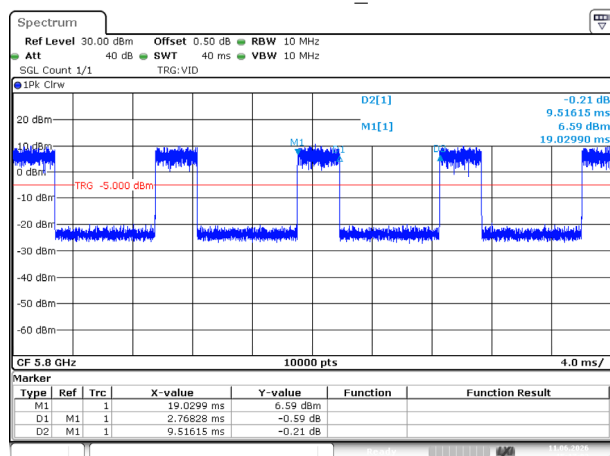
Note: The device only supports MIMO.

Duty Cycle

Test Mode:		Transmitting		Test Engineer:		Spike Gao
Test Date:		2026-05-20		Environment:		Temp.: 24.6°C Humi.: 64% Atm : 100.1kPa
Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	1/T (Hz)	Duty Cycle Factor (dB)	VBW Setting (kHz)
2.5MHz BW	2.768	9.516	29.09	361	5.36	0.50
10MHz BW	2.785	9.492	29.34	359	5.33	0.50

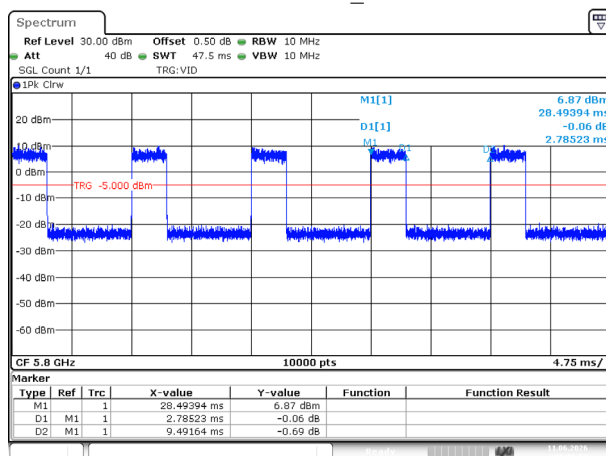
Note: Duty Cycle = Ton/(Ton+Toff)*100%

2.5MHz BW mode _5800MHz



ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 15:17:02

10MHz BW mode _5800MHz



ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 15:06:51

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

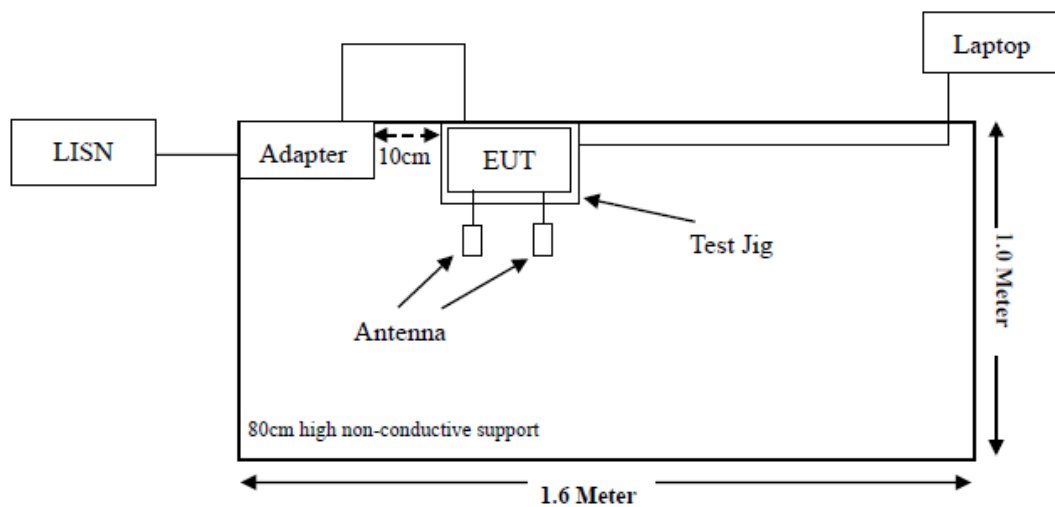
Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T480	PF1P5K4F
Unknown	Adapter	ADLX45YDC3D	Unknown
Kutian	Test Jig	Unknown	Unknown

External I/O Cable

Cable Description	Length (m)	From Port	To
Power cable	2	Test Jig	Adapter
USB cable	10	Laptop	Test Jig

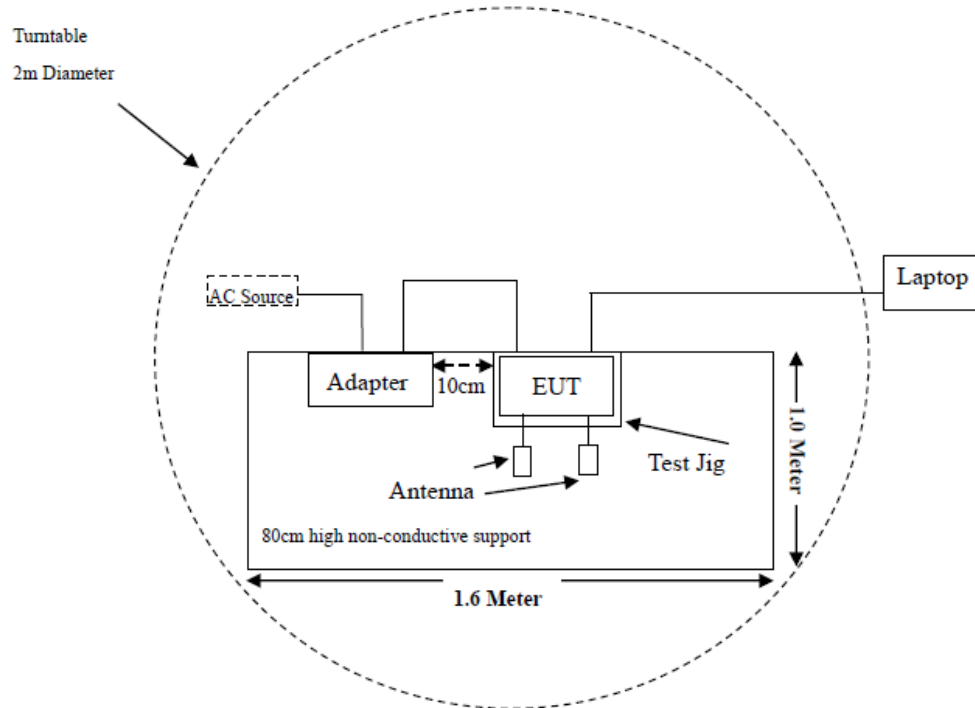
Block Diagram of Test Setup

Conducted Emission:

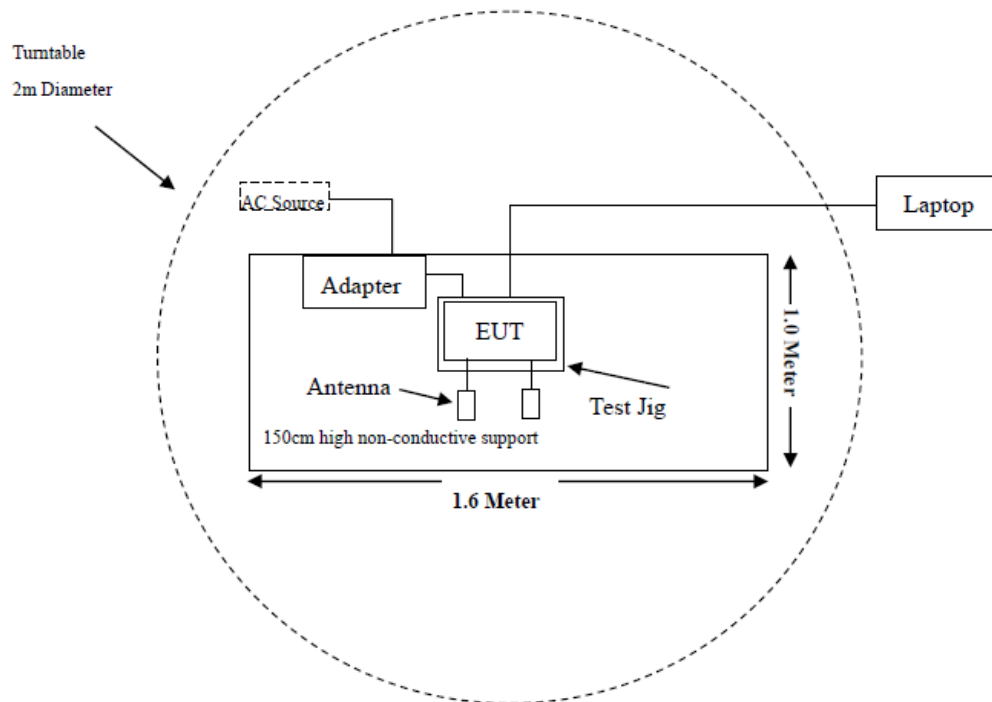


Radiated Emissions:

Below 1GHz



Above 1GHz



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§15.207 & §15.407(b) (9)	AC Power Line Conducted Emissions	Compliant
§15.205 & §15.209 & §15.407(b)	Undesirable Emission & Restricted Bands	Compliant
§15.407(a) & §15.407(e)	Emission Bandwidth	Compliant
§15.407(a) (3)	Conducted Transmitter Output Power	Compliant
§15.407(a) (3)	Power Spectral Density	Compliant

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	2025/9/25	2026/9/24
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
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					
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102051	2026/1/21	2027/1/20
USB Wideband Power Sensor	Boonton	55318	8934	2025/9/8	2026/9/7
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 – ANTENNA REQUIREMENT

Applicable Standard

According to § 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 15.407, 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.

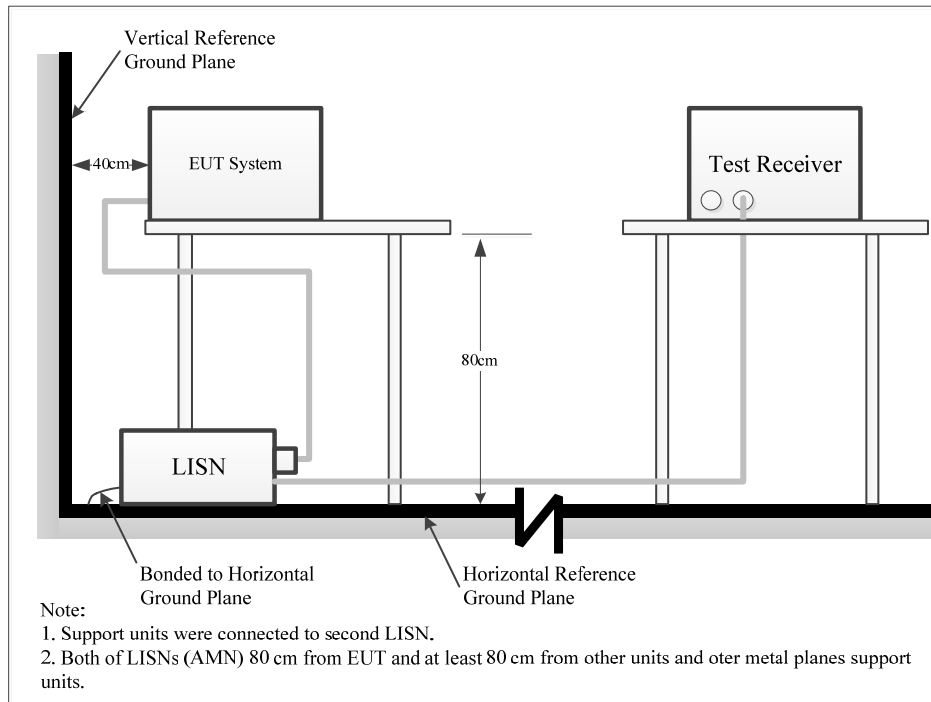
Antenna Connector Construction

The EUT has two Monopole antenna which use a unique type of connector to attach to the EUT, the antenna gain is 5.52dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant.

FCC §15.407 (b) (8) §15.207 (a) – AC POWER LINE CONDUCTED EMISSIONS**Applicable Standard**

FCC §15.207(a), §15.407(b) (8)

Test System 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:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)

Result (dBμV) = Read level (dBμV) + 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:

Margin (dB) = Limit (dBμV) – Result (dBμV)

Test Data

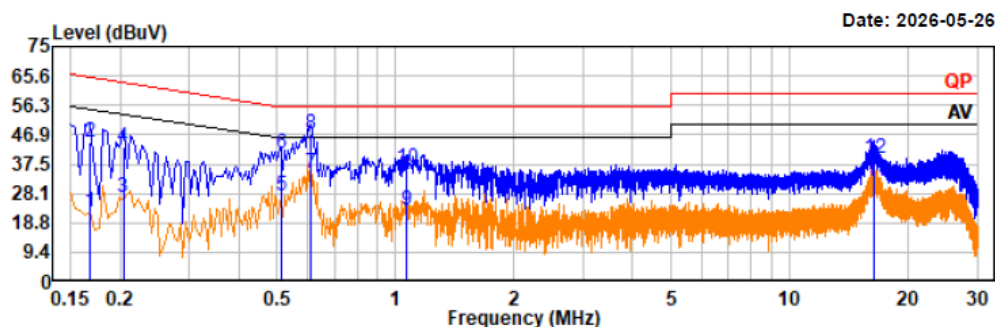
Frequency Range:	150kHz~30MHz
Temperature:	24.1°C
Relative Humidity:	55%
ATM Pressure:	100.1kPa
Test Date:	2026-05-26
Test Engineer:	Wlif Wu

Note: The maximum output power mode: 2.5MHz BW mode High channel was tested

Test with Chain 0 & Chain 1

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI

Temp/Humi/ATM: 24.1°C/55%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



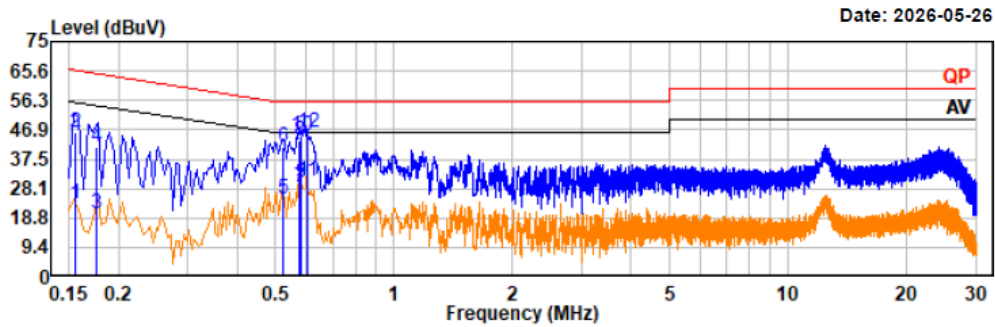
Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.167	2.02	20.46	22.48	55.09	32.61	Neutral	Average
0.167	24.23	20.46	44.69	65.09	20.40	Neutral	QP
0.204	6.36	20.54	26.90	53.45	26.55	Neutral	Average
0.204	22.61	20.54	43.15	63.45	20.30	Neutral	QP
0.512	7.01	20.31	27.32	46.00	18.68	Neutral	Average
0.512	20.46	20.31	40.77	56.00	15.23	Neutral	QP
0.611	14.65	20.24	34.89	46.00	11.11	Neutral	Average
0.611	27.03	20.24	47.27	56.00	8.73	Neutral	QP
1.070	2.31	20.33	22.64	46.00	23.36	Neutral	Average
1.070	15.96	20.33	36.29	56.00	19.71	Neutral	QP
16.452	11.87	20.27	32.14	50.00	17.86	Neutral	Average
16.452	18.81	20.27	39.08	60.00	20.92	Neutral	QP

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI

Temp/Humi/ATM: 24.1°C/55%/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
0.155	2.86	20.42	23.28	55.72	32.44	Line	Average
0.155	25.56	20.42	45.98	65.72	19.74	Line	QP
0.176	-0.38	20.48	20.10	54.65	34.55	Line	Average
0.176	20.88	20.48	41.36	64.65	23.29	Line	QP
0.523	4.68	20.28	24.96	46.00	21.04	Line	Average
0.523	21.20	20.28	41.48	56.00	14.52	Line	QP
0.574	7.99	20.27	28.26	46.00	17.74	Line	Average
0.574	23.16	20.27	43.43	56.00	12.57	Line	QP
0.583	9.76	20.27	30.03	46.00	15.97	Line	Average
0.583	24.91	20.27	45.18	56.00	10.82	Line	QP
0.602	10.03	20.27	30.30	46.00	15.70	Line	Average
0.602	25.58	20.27	45.85	56.00	10.15	Line	QP

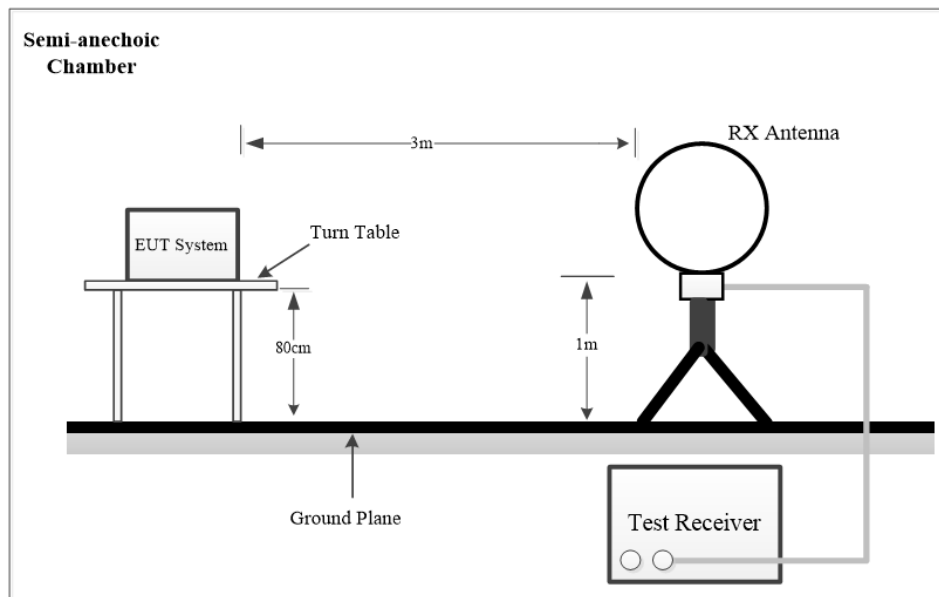
§15.205 & §15.209 & §15.407(B) – UNDESIRABLE EMISSION & RESTRICTED BANDS

Applicable Standard

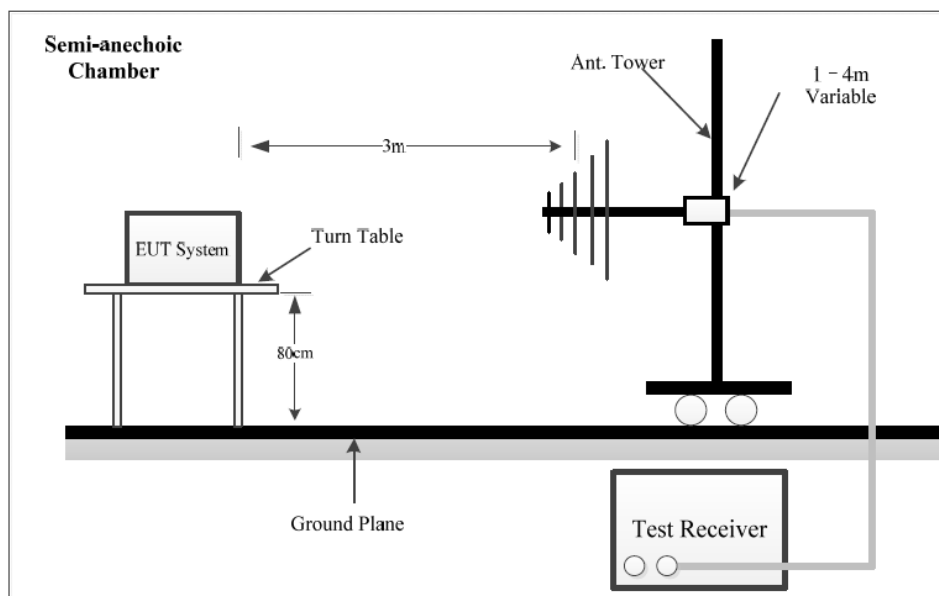
FCC §15.407 (b); §15.209; §15.205;

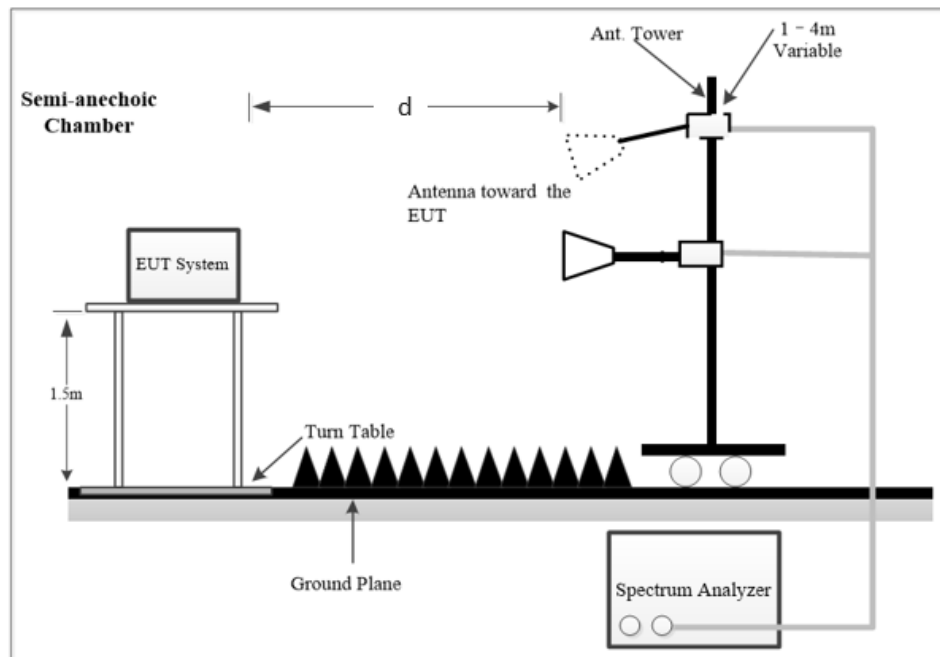
Test System Setup

9 kHz-30MHz:



30MHz -1 GHz:



Above 1GHz:

The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC 15.209 and FCC 15.407 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

NOTE: d is testing distance;

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

For Radiated Emission test (18GHz-40GHz), 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 40 GHz.

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

Below 1GHz:

Frequency Range	RBW	VBW	Measurement
9 kHz – 150 kHz	200Hz	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
Any	1MHz	3MHz	PK
> 98%	1MHz	5kHz	AV
< 98%	1MHz	$\geq 1/T$, not less than 5kHz	AV

Final measurement for emission identified during the pre-scan:

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

Note: T is minimum transmission duration

Test Procedure

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

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

For 18GHz to 40GHz Radiated emission test

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB) - Extrapolation factor (dB)

Extrapolation factor = 6 dB (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:	25.1°C	25.1°C
Relative Humidity:	61%	61%
ATM Pressure:	100.1kPa	100.1kPa
Test Date:	2026-05-24	2026-05-24
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.

Test with Chain 0 & Chain 1**1) 9 kHz~30MHz**

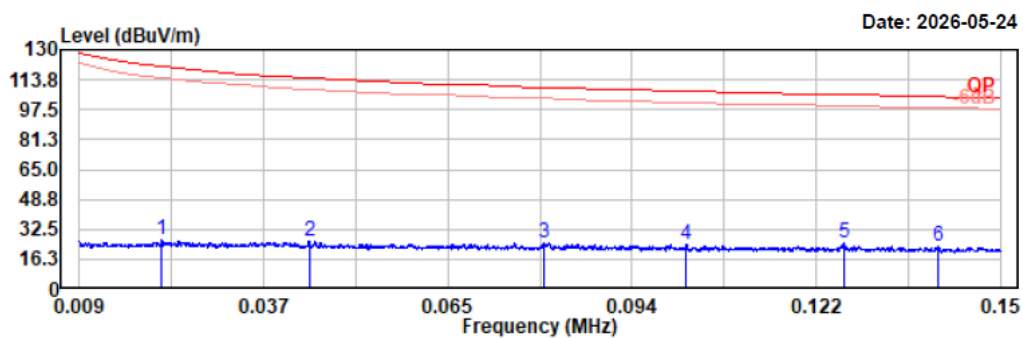
Pre-scan in parallel, ground-parallel and perpendicular of orientation of loop antenna, parallel is worst case

Note: The maximum output power mode: High channel was tested.

For 2.5MHz BW mode

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V

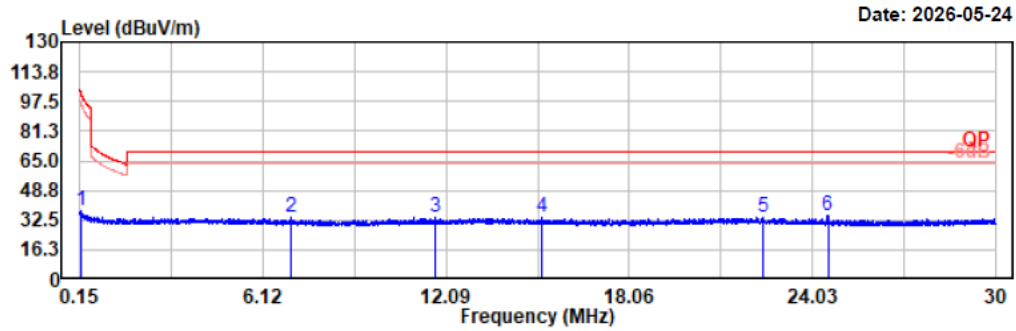


Condition: PK RBW:300Hz VBW:1kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.022	6.66	19.83	26.49	120.96	94.47	Peak
0.044	5.91	19.91	25.82	114.70	88.88	Peak
0.080	5.41	19.71	25.12	109.53	84.41	Peak
0.102	4.30	19.73	24.03	107.44	83.41	Peak
0.126	4.96	19.73	24.69	105.59	80.90	Peak
0.140	3.47	19.73	23.20	104.65	81.45	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wliff Wu
Power Source: DC 5V



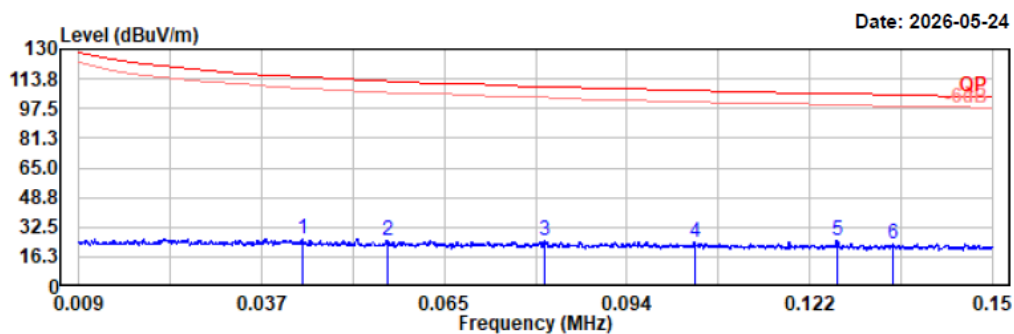
Condition: PK RBW:10kHz VBW:30kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.177	18.15	19.72	37.87	102.65	64.78	Peak
7.054	14.25	19.68	33.93	69.54	35.61	Peak
11.753	13.95	19.72	33.67	69.54	35.87	Peak
15.209	13.87	19.77	33.64	69.54	35.90	Peak
22.445	13.86	20.15	34.01	69.54	35.53	Peak
24.534	14.39	20.21	34.60	69.54	34.94	Peak

For 10MHz BW mode

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wliff Wu
Power Source: DC 5V

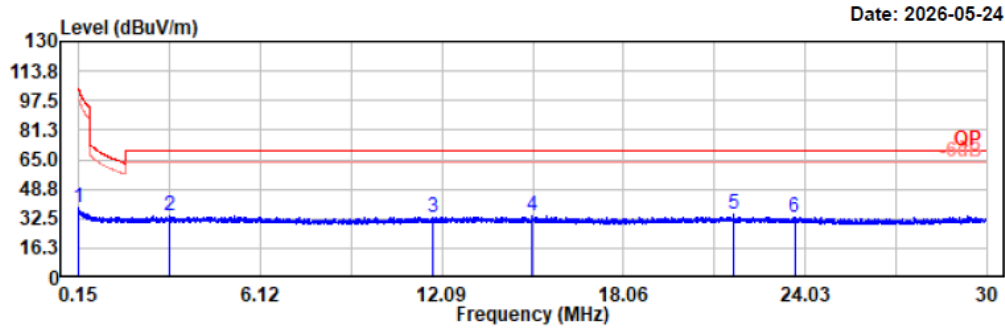


Condition: PK RBW:300Hz VBW:1kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.044	6.23	19.91	26.14	114.84	88.70	Peak
0.057	5.32	19.91	25.23	112.55	87.32	Peak
0.081	5.35	19.72	25.07	109.45	84.38	Peak
0.104	4.52	19.73	24.25	107.26	83.01	Peak
0.126	5.41	19.73	25.14	105.60	80.46	Peak
0.135	3.61	19.73	23.34	105.02	81.68	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.156	18.64	19.72	38.36	103.74	65.38	Peak
3.132	14.57	19.84	34.41	69.54	35.13	Peak
11.777	13.88	19.72	33.60	69.54	35.94	Peak
15.048	14.02	19.76	33.78	69.54	35.76	Peak
21.669	14.49	20.13	34.62	69.54	34.92	Peak
23.678	13.16	20.18	33.34	69.54	36.20	Peak

2) 30 MHz-1GHz

Note: The maximum output power mode: High channel was tested.

For 2.5MHz BW mode

Project No.: 2607R07841E-RF

Test Mode: 5840MHz

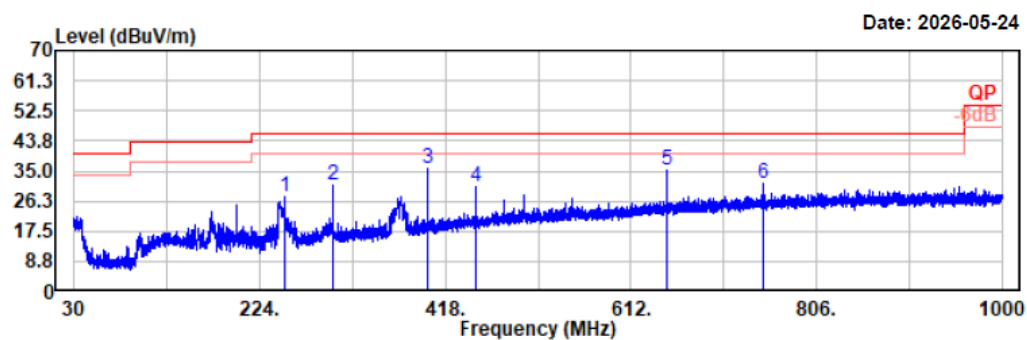
EUT Model: P401-DAI

Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa

Tested by: Wlif Wu

Power Source: DC 5V

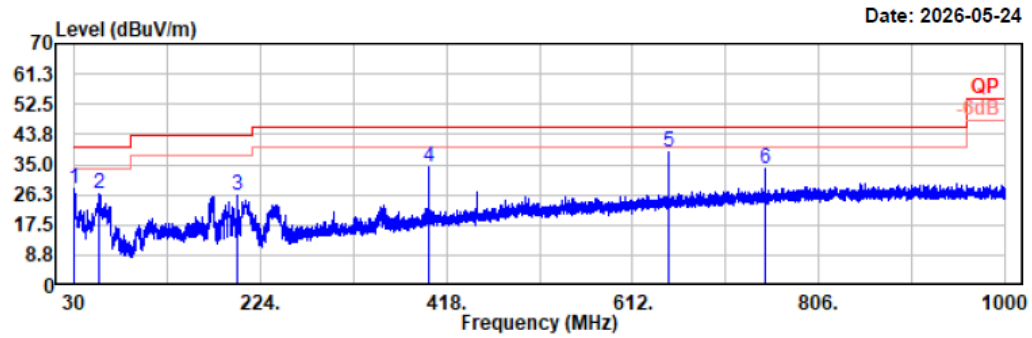


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
250.00	38.93	-11.46	27.47	46.00	18.53	Horizontal	Peak
299.95	40.05	-9.18	30.87	46.00	15.13	Horizontal	Peak
399.96	42.12	-6.40	35.72	46.00	10.28	Horizontal	Peak
450.01	35.24	-4.91	30.33	46.00	15.67	Horizontal	Peak
650.02	36.00	-0.88	35.12	46.00	10.88	Horizontal	Peak
750.03	30.63	0.59	31.22	46.00	14.78	Horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



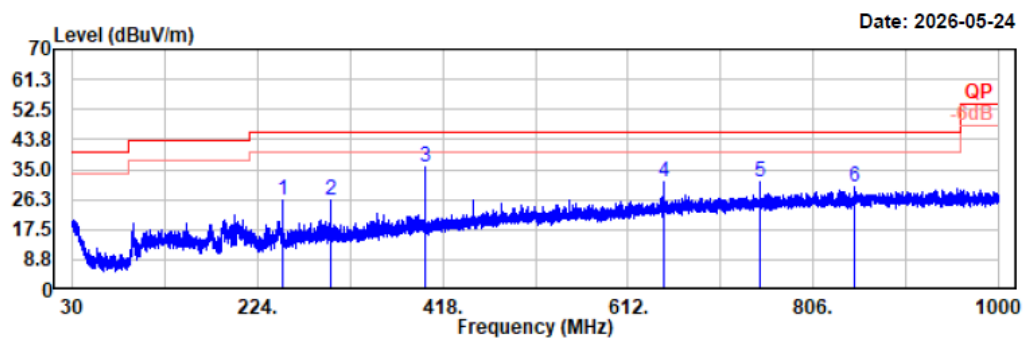
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.49	33.69	-5.71	27.98	40.00	12.02	Vertical	Peak
56.48	44.16	-17.70	26.46	40.00	13.54	Vertical	Peak
199.94	37.87	-11.70	26.17	43.50	17.33	Vertical	Peak
399.96	40.83	-6.40	34.43	46.00	11.57	Vertical	Peak
650.02	39.33	-0.88	38.45	46.00	7.55	Vertical	Peak
750.03	33.32	0.59	33.91	46.00	12.09	Vertical	Peak

For 10MHz BW mode

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V

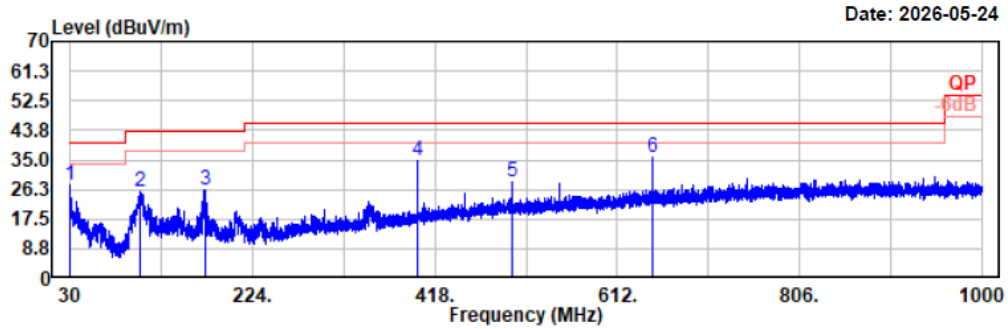


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
250.00	37.72	-11.46	26.26	46.00	19.74	Horizontal	Peak
299.95	35.45	-9.18	26.27	46.00	19.73	Horizontal	Peak
399.96	42.35	-6.40	35.95	46.00	10.05	Horizontal	Peak
650.02	32.08	-0.88	31.20	46.00	14.80	Horizontal	Peak
750.03	30.83	0.59	31.42	46.00	14.58	Horizontal	Peak
850.04	27.91	1.94	29.85	46.00	16.15	Horizontal	Peak

Project No.: 2607R07841E-RF
 Test Mode: 5840MHz
 EUT Model: P401-DAI
 Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V



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

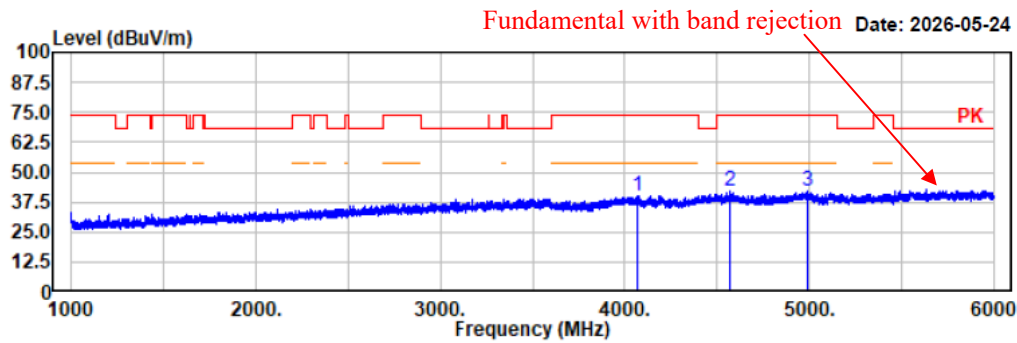
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.00	32.93	-5.58	27.35	40.00	12.65	Vertical	Peak
104.98	39.08	-13.36	25.72	43.50	17.78	Vertical	Peak
173.37	38.09	-11.99	26.10	43.50	17.40	Vertical	Peak
399.96	40.95	-6.40	34.55	46.00	11.45	Vertical	Peak
499.97	31.67	-3.38	28.29	46.00	17.71	Vertical	Peak
650.02	36.68	-0.88	35.80	46.00	10.20	Vertical	Peak

3) 1GHz~6GHz

For 2.5MHz BW mode

Project No.: 2607R07841E-RF
Test Mode: 5730MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



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
4068.00	46.20	-6.29	39.91	74.00	34.09	horizontal	Peak
4566.50	47.33	-5.30	42.03	74.00	31.97	horizontal	Peak
4987.00	46.78	-5.02	41.76	74.00	32.24	horizontal	Peak

Project No.: 2607R07841E-RF

Temp/Humi/ATM: 25.1°C/61%/100.1kPa

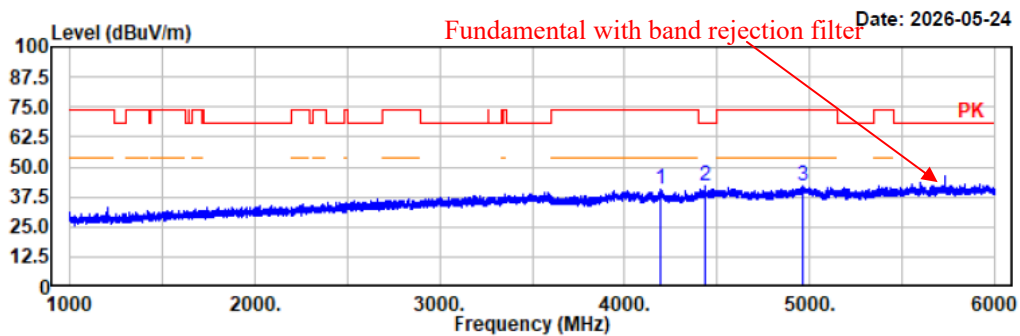
Test Mode: 5730MHz

Tested by: Wlif Wu

EUT Model: P401-DAI

Power Source: DC 5V

Test distance: 3m

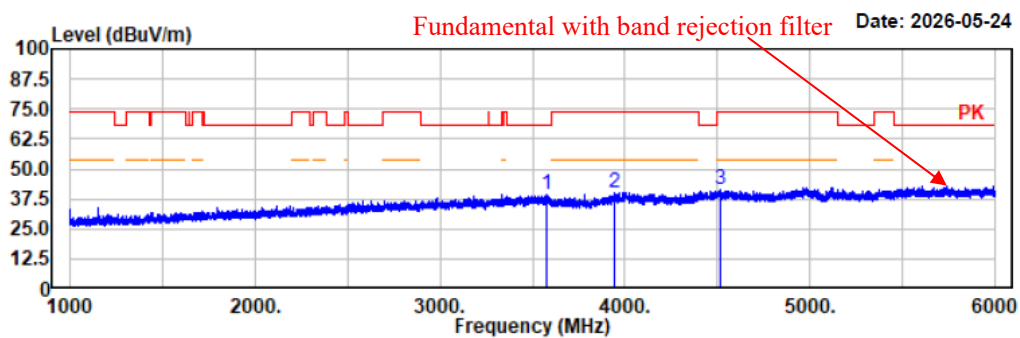


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4194.50	46.48	-5.59	40.89	74.00	33.11	vertical	Peak
4434.50	47.48	-5.58	41.90	68.20	26.30	vertical	Peak
4961.50	46.85	-5.11	41.74	74.00	32.26	vertical	Peak

Project No.: 2607R07841E-RF
Test Mode: 5800MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wliff Wu
Power Source: DC 5V

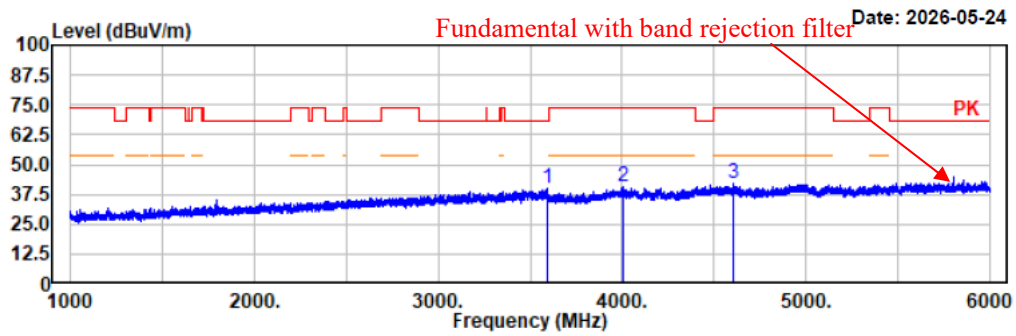


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3574.00	46.65	-7.63	39.02	68.20	29.18	horizontal	Peak
3946.00	46.56	-6.72	39.84	74.00	34.16	horizontal	Peak
4515.00	46.34	-5.30	41.04	74.00	32.96	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5800MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V

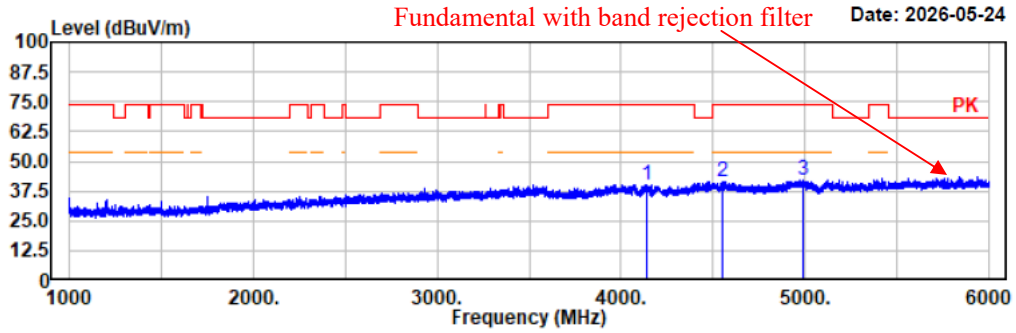


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3590.50	47.40	-7.69	39.71	68.20	28.49	vertical	Peak
4003.00	46.88	-6.49	40.39	74.00	33.61	vertical	Peak
4604.00	47.23	-5.26	41.97	74.00	32.03	vertical	Peak

Project No.: 2607R07841E-RF
 Test Mode: 5840MHz
 EUT Model: P401-DAI
 Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V

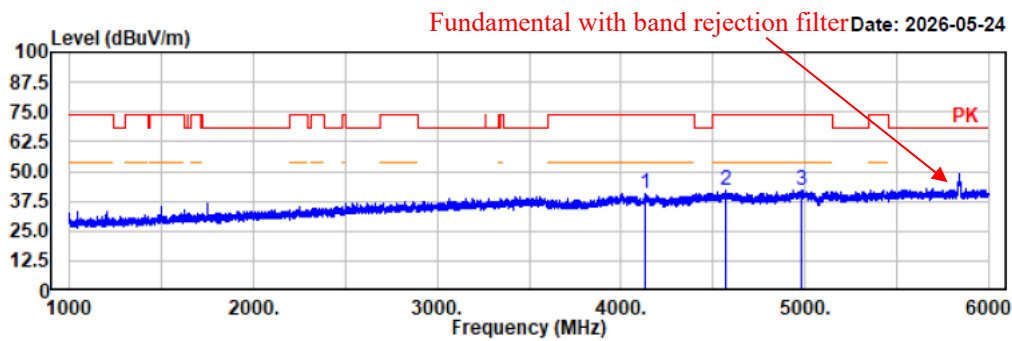


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4140.50	46.16	-5.94	40.22	74.00	33.78	horizontal	Peak
4554.50	47.00	-5.31	41.69	74.00	32.31	horizontal	Peak
4988.00	47.16	-5.01	42.15	74.00	31.85	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



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
4134.00	46.62	-5.97	40.65	74.00	33.35	vertical	Peak
4569.00	47.24	-5.29	41.95	74.00	32.05	vertical	Peak
4980.50	47.29	-5.05	42.24	74.00	31.76	vertical	Peak

For 10MHz BW mode

Project No.: 2607R07841E-RF

Test Mode: 5730MHz

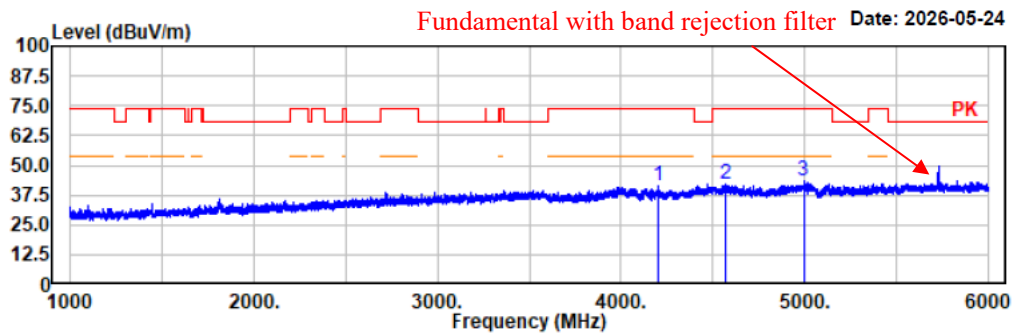
EUT Model: P401-DAI

Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa

Tested by: Wlif Wu

Power Source: DC 5V

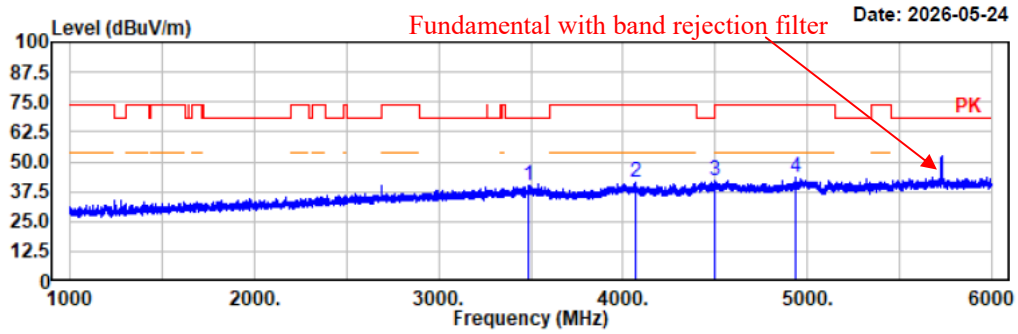


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4200.50	46.82	-5.54	41.28	74.00	32.72	horizontal	Peak
4572.50	47.42	-5.29	42.13	74.00	31.87	horizontal	Peak
4995.00	48.42	-5.00	43.42	74.00	30.58	horizontal	Peak

Project No.: 2607R07841E-RF
 Test Mode: 5730MHz
 EUT Model: P401-DAI
 Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V

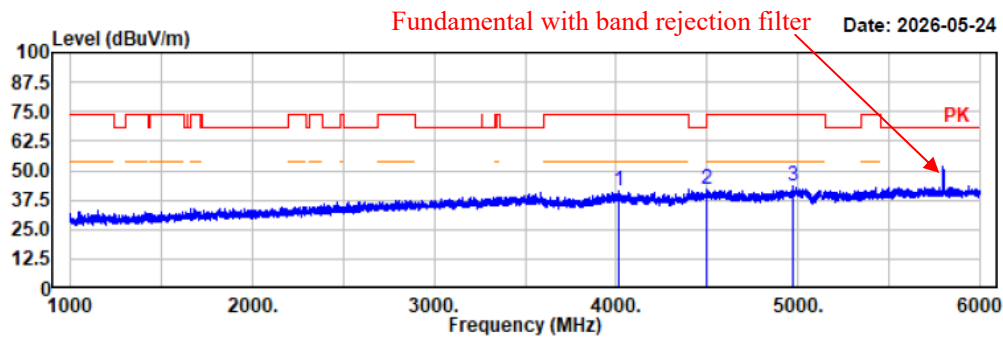


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3491.00	47.42	-7.60	39.82	68.20	28.38	vertical	Peak
4071.00	47.35	-6.27	41.08	74.00	32.92	vertical	Peak
4494.00	47.08	-5.31	41.77	68.20	26.43	vertical	Peak
4933.00	48.41	-5.20	43.21	74.00	30.79	vertical	Peak

Project No.: 2607R07841E-RF
Test Mode: 5800MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V

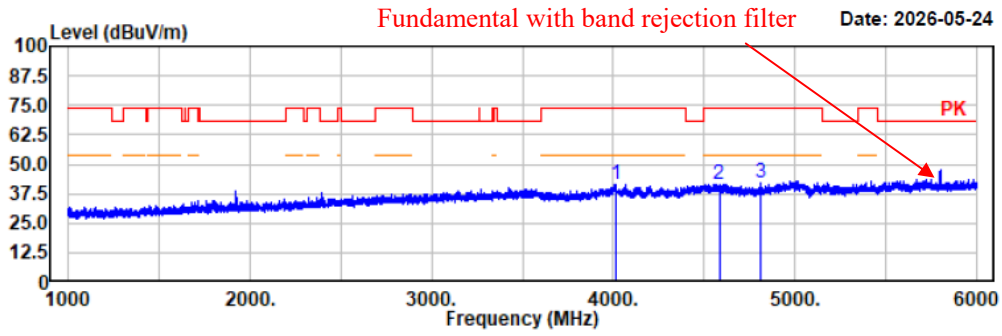


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4014.50	47.53	-6.46	41.07	74.00	32.93	horizontal	Peak
4499.00	47.40	-5.29	42.11	68.20	26.09	horizontal	Peak
4970.00	48.25	-5.08	43.17	74.00	30.83	horizontal	Peak

Project No.: 2607R07841E-RF
 Test Mode: 5800MHz
 EUT Model: P401-DAI
 Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V

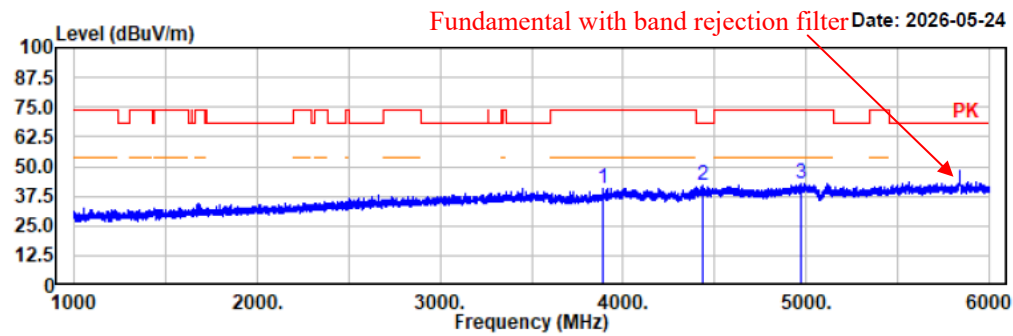


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4011.00	47.77	-6.47	41.30	74.00	32.70	vertical	Peak
4583.00	46.94	-5.28	41.66	74.00	32.34	vertical	Peak
4808.00	46.97	-5.25	41.72	74.00	32.28	vertical	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V

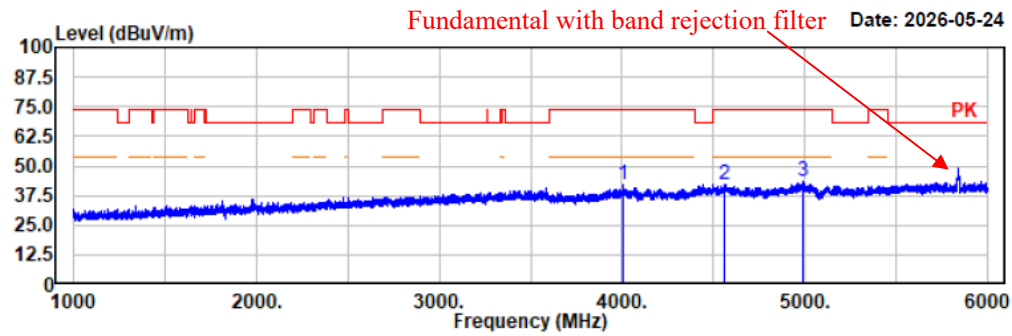


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3887.50	47.50	-6.81	40.69	74.00	33.31	horizontal	Peak
4433.00	47.76	-5.58	42.18	68.20	26.02	horizontal	Peak
4971.50	47.93	-5.08	42.85	74.00	31.15	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



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

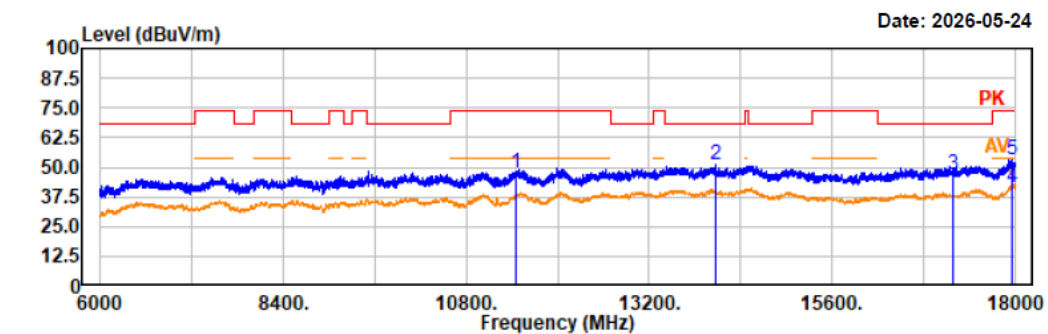
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4002.00	48.86	-6.50	42.36	74.00	31.64	vertical	Peak
4563.50	47.47	-5.30	42.17	74.00	31.83	vertical	Peak
4990.00	48.67	-5.02	43.65	74.00	30.35	vertical	Peak

4) 6GHz~18GHz

For 2.5MHz BW mode

Project No.: 2607R07841E-RF
Test Mode: 5730MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



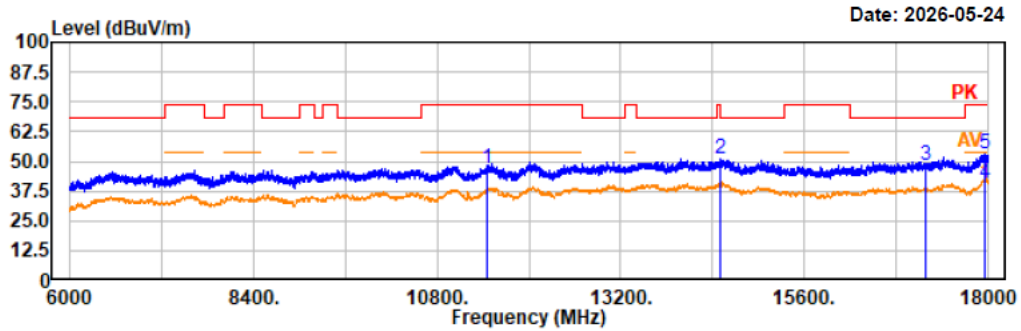
Trace: 1

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
11460.00	44.61	3.06	47.67	74.00	26.33	horizontal	Peak
14071.20	45.75	5.29	51.04	68.20	17.16	horizontal	Peak
17190.00	41.96	5.03	46.99	68.20	21.21	horizontal	Peak
17964.00	34.44	6.86	41.30	54.00	12.70	horizontal	Average
17964.00	46.43	6.86	53.29	74.00	20.71	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5730MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



Trace: 1

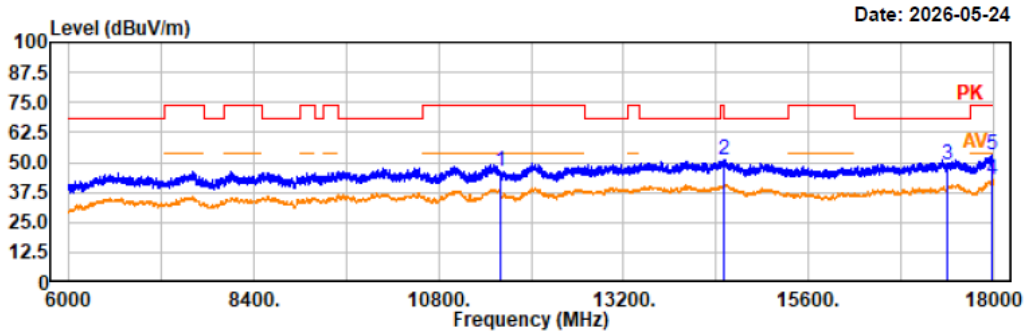
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11460.00	43.81	3.06	46.87	74.00	27.13	vertical	Peak
14511.60	45.66	5.07	50.73	68.20	17.47	vertical	Peak
17190.00	43.39	5.03	48.42	68.20	19.78	vertical	Peak
17955.60	33.96	6.87	40.83	54.00	13.17	vertical	Average
17955.60	45.89	6.87	52.76	74.00	21.24	vertical	Peak

Project No.: 2607R07841E-RF
 Test Mode: 5800MHz
 EUT Model: P401-DAI
 Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V



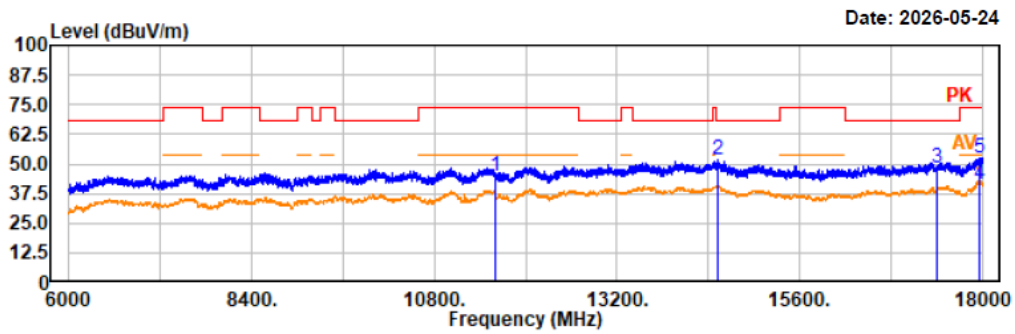
Trace: 1

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
11600.00	42.64	3.24	45.88	74.00	28.12	horizontal	Peak
14502.00	45.93	5.07	51.00	68.20	17.20	horizontal	Peak
17400.00	43.42	5.50	48.92	68.20	19.28	horizontal	Peak
17990.40	35.56	6.90	42.46	54.00	11.54	horizontal	Average
17990.40	46.13	6.90	53.03	74.00	20.97	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5800MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



Trace: 1

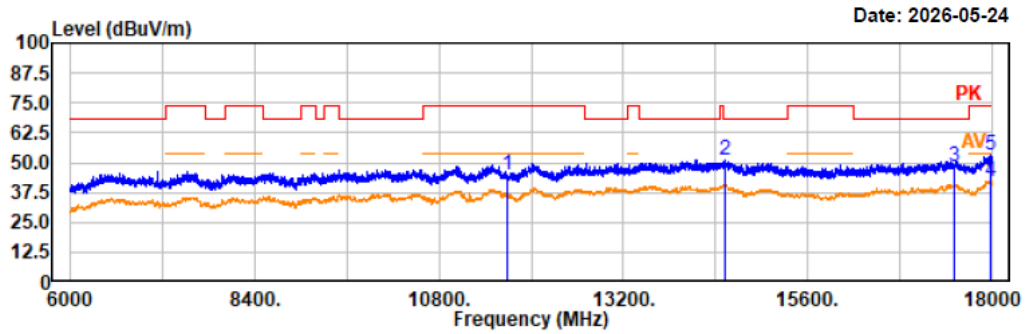
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11600.00	41.76	3.24	45.00	74.00	29.00	vertical	Peak
14517.60	46.88	5.06	51.94	68.20	16.26	vertical	Peak
17400.00	42.90	5.50	48.40	68.20	19.80	vertical	Peak
17970.00	34.58	6.88	41.46	54.00	12.54	vertical	Average
17970.00	45.76	6.88	52.64	74.00	21.36	vertical	Peak

Project No.: 2607R07841E-RF
 Test Mode: 5840MHz
 EUT Model: P401-DAI
 Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V



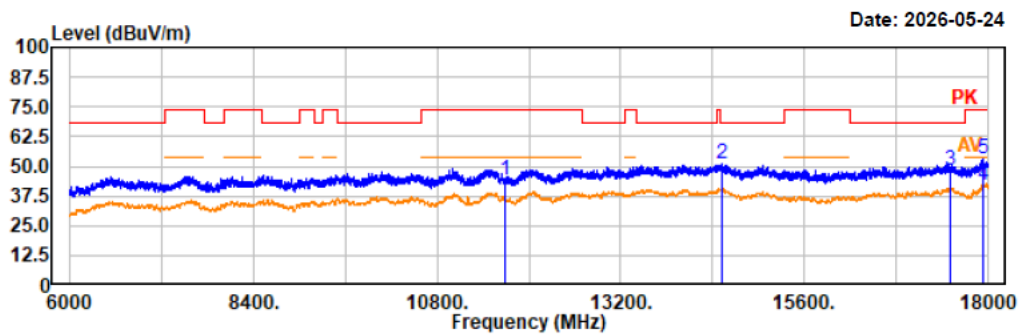
Trace: 1

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
11679.60	41.85	3.23	45.08	74.00	28.92	horizontal	Peak
14517.60	45.85	5.06	50.91	68.20	17.29	horizontal	Peak
17520.00	42.82	5.73	48.55	68.20	19.65	horizontal	Peak
17992.80	35.31	6.90	42.21	54.00	11.79	horizontal	Average
17992.80	46.34	6.90	53.24	74.00	20.76	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



Trace: 1

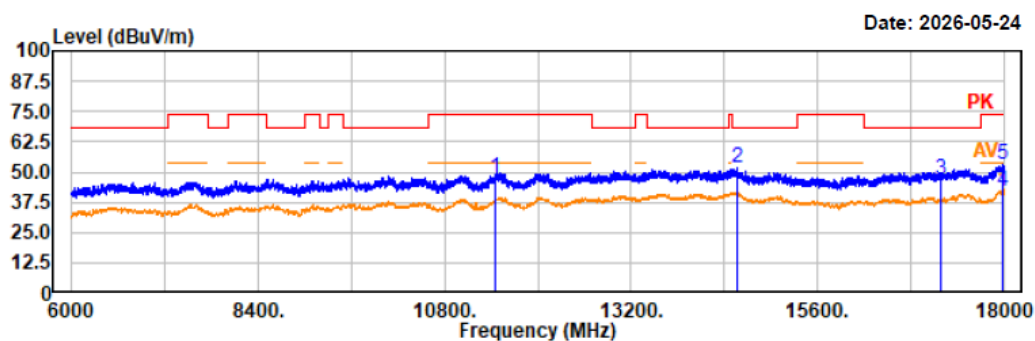
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11680.00	40.66	3.23	43.89	74.00	30.11	vertical	Peak
14520.00	45.66	5.06	50.72	68.20	17.48	vertical	Peak
17520.00	42.66	5.73	48.39	68.20	19.81	vertical	Peak
17932.80	35.21	6.83	42.04	54.00	11.96	vertical	Average
17932.80	46.06	6.83	52.89	74.00	21.11	vertical	Peak

For 10MHz BW mode

Project No.: 2607R07841E-RF
Test Mode: 5730MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wliff Wu
Power Source: DC 5V



Trace: 1

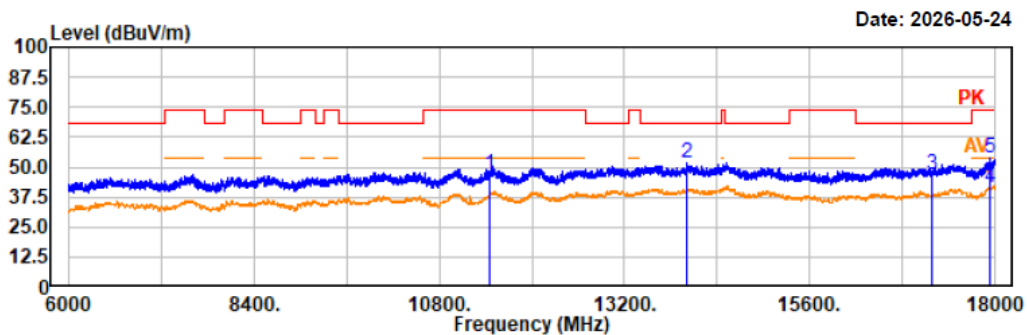
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11460.00	44.83	3.06	47.89	74.00	26.11	horizontal	Peak
14559.60	46.37	5.04	51.41	68.20	16.79	horizontal	Peak
17190.00	42.17	5.03	47.20	68.20	21.00	horizontal	Peak
17989.20	34.95	6.90	41.85	54.00	12.15	horizontal	Average
17989.20	46.09	6.90	52.99	74.00	21.01	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5730MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



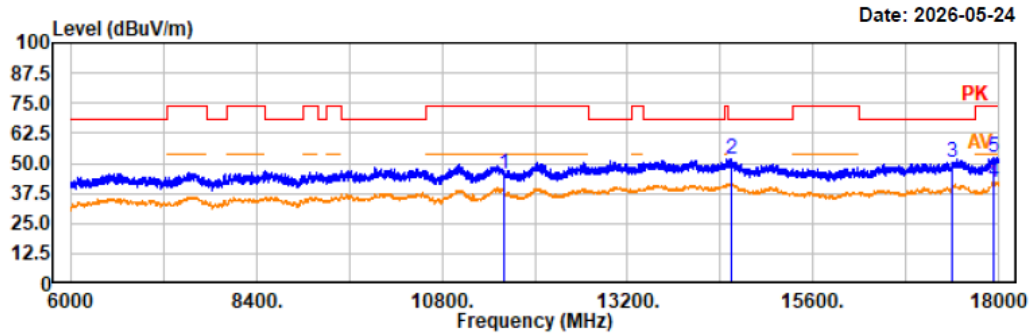
Trace: 1

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
11460.00	43.91	3.06	46.97	74.00	27.03	vertical	Peak
14007.60	46.54	5.22	51.76	68.20	16.44	vertical	Peak
17190.00	41.64	5.03	46.67	68.20	21.53	vertical	Peak
17938.80	34.56	6.84	41.40	54.00	12.60	vertical	Average
17938.80	46.92	6.84	53.76	74.00	20.24	vertical	Peak

Project No.: 2607R07841E-RF
Test Mode: 5800MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



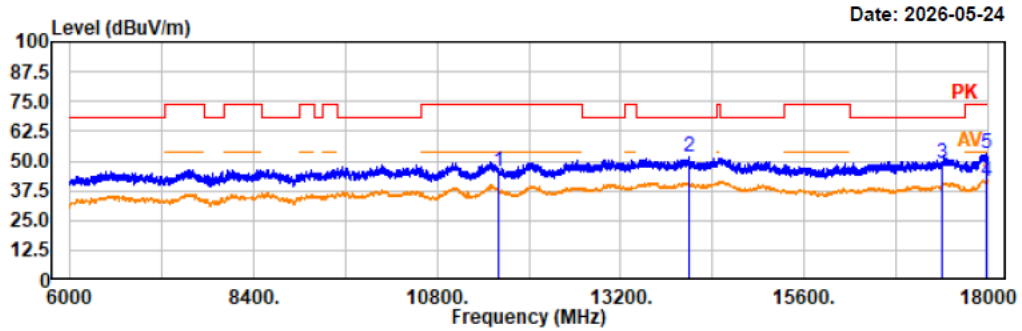
Trace: 1

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
11600.00	42.20	3.24	45.44	74.00	28.56	horizontal	Peak
14556.00	46.79	5.03	51.82	68.20	16.38	horizontal	Peak
17400.00	44.68	5.50	50.18	68.20	18.02	horizontal	Peak
17932.80	35.04	6.83	41.87	54.00	12.13	horizontal	Average
17932.80	45.71	6.83	52.54	74.00	21.46	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5800MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



Trace: 1

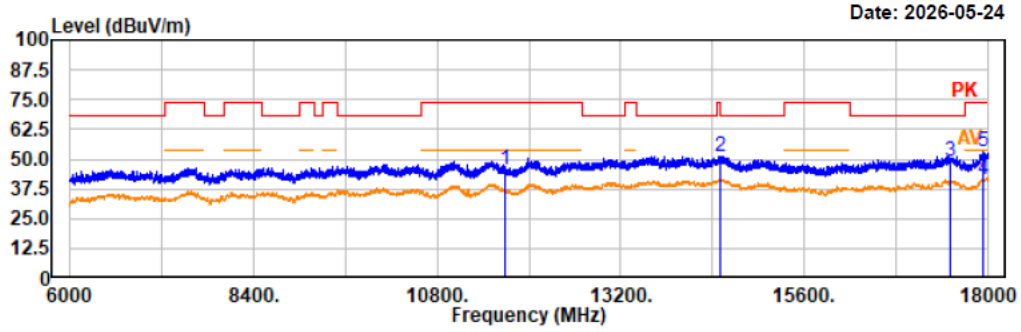
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11600.00	42.46	3.24	45.70	74.00	28.30	vertical	Peak
14088.00	46.15	5.32	51.47	68.20	16.73	vertical	Peak
17400.00	43.18	5.50	48.68	68.20	19.52	vertical	Peak
17978.40	34.34	6.89	41.23	54.00	12.77	vertical	Average
17978.40	46.17	6.89	53.06	74.00	20.94	vertical	Peak

Project No.: 2607R07841E-RF
 Test Mode: 5840MHz
 EUT Model: P401-DAI
 Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V



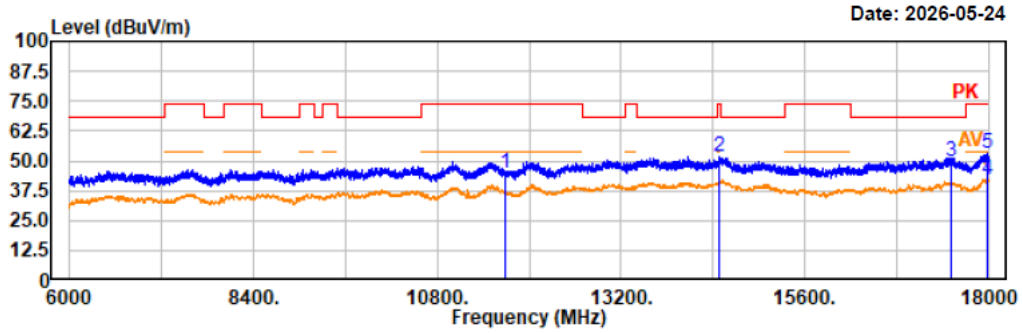
Trace: 1

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
11679.60	42.11	3.23	45.34	74.00	28.66	horizontal	Peak
14494.80	46.29	5.08	51.37	74.00	22.63	horizontal	Peak
17520.00	42.99	5.73	48.72	68.20	19.48	horizontal	Peak
17932.80	34.38	6.83	41.21	54.00	12.79	horizontal	Average
17932.80	45.95	6.83	52.78	74.00	21.22	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



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
11680.00	41.40	3.23	44.63	74.00	29.37	vertical	Peak
14488.80	46.50	5.08	51.58	74.00	22.42	vertical	Peak
17520.00	43.77	5.73	49.50	68.20	18.70	vertical	Peak
17992.80	34.89	6.90	41.79	54.00	12.21	vertical	Average
17992.80	46.16	6.90	53.06	74.00	20.94	vertical	Peak

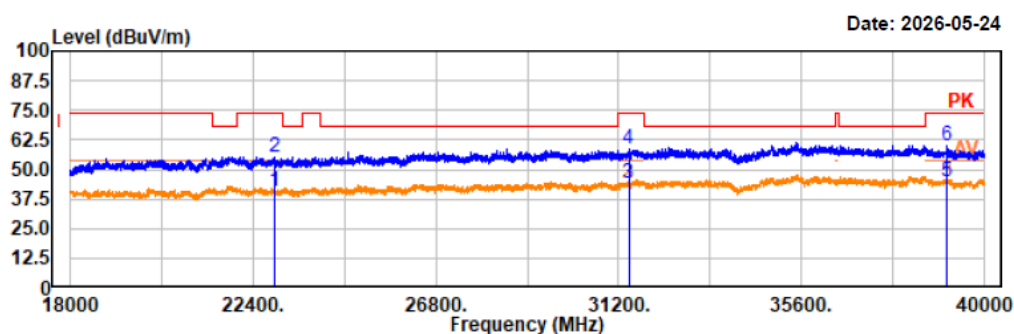
5) 18GHz-40GHz

Note: The maximum output power mode: High channel was tested.

For 2.5MHz BW mode

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 1.5m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



Trace: 1

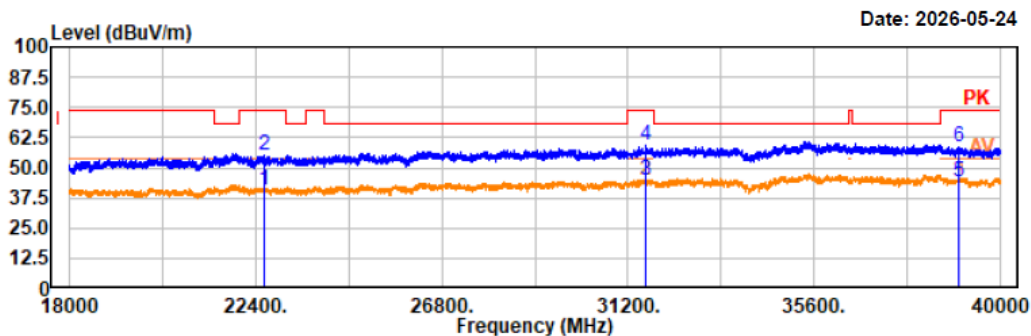
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
22906.00	35.47	5.00	40.47	54.00	13.53	horizontal	Average
22906.00	50.11	5.00	55.11	74.00	18.89	horizontal	Peak
31442.00	36.42	7.67	44.09	54.00	9.91	horizontal	Average
31442.00	50.97	7.67	58.64	74.00	15.36	horizontal	Peak
39098.00	35.85	9.15	45.00	54.00	9.00	horizontal	Average
39098.00	50.88	9.15	60.03	74.00	13.97	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 1.5m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



Trace: 1

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

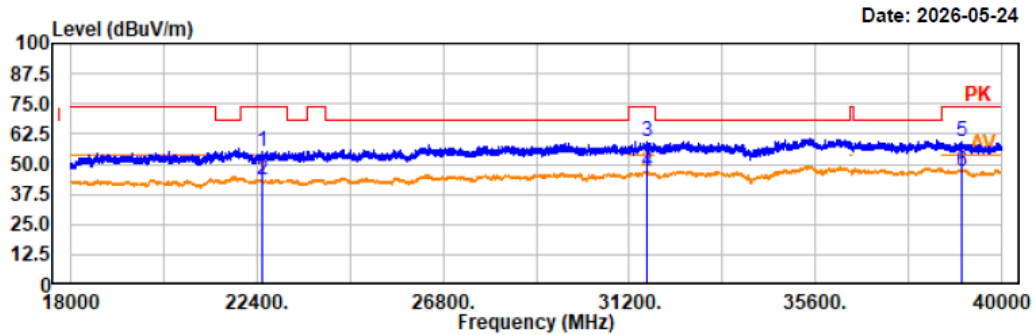
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
22584.80	35.43	5.07	40.50	54.00	13.50	vertical	Average
22584.80	50.44	5.07	55.51	74.00	18.49	vertical	Peak
31629.00	37.61	7.52	45.13	54.00	8.87	vertical	Average
31629.00	51.67	7.52	59.19	74.00	14.81	vertical	Peak
39012.20	35.17	9.17	44.34	54.00	9.66	vertical	Average
39012.20	49.38	9.17	58.55	74.00	15.45	vertical	Peak

For 10MHz BW mode

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 1.5m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V



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
22510.00	50.26	5.05	55.31	74.00	18.69	horizontal	Peak
22510.00	38.28	5.05	43.33	74.00	30.67	horizontal	Peak
31626.80	51.75	7.50	59.25	74.00	14.75	horizontal	Peak
31626.80	39.16	7.50	46.66	74.00	27.34	horizontal	Peak
39078.20	49.96	9.16	59.12	74.00	14.88	horizontal	Peak
39078.20	38.02	9.16	47.18	74.00	26.82	horizontal	Peak

Project No.: 2607R07841E-RF

Test Mode: 5840MHz

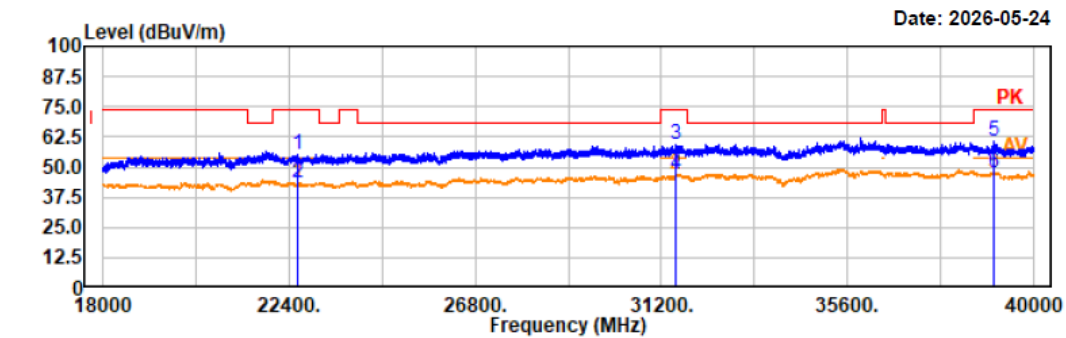
EUT Model: P401-DAI

Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa

Tested by: Wlif Wu

Power Source: DC 5V



Trace: 1

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

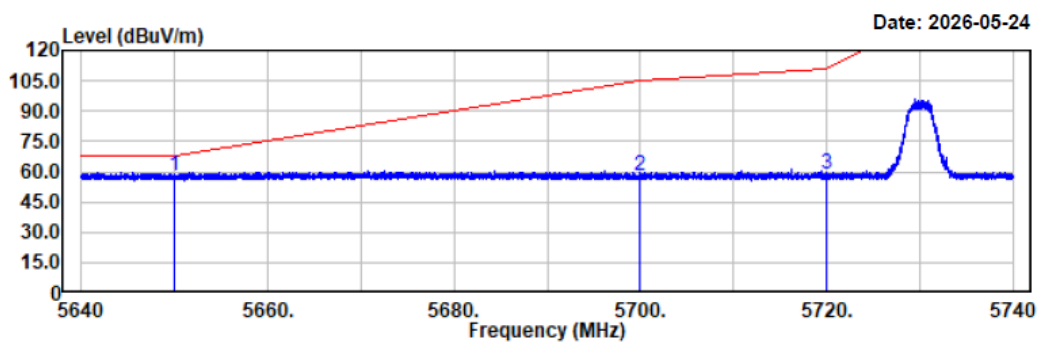
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
22602.40	50.37	5.03	55.40	74.00	18.60	vertical	Peak
22602.40	38.46	5.03	43.49	74.00	30.51	vertical	Peak
31543.20	51.67	7.66	59.33	74.00	14.67	vertical	Peak
31543.20	38.93	7.66	46.59	74.00	27.41	vertical	Peak
39078.20	51.38	9.16	60.54	74.00	13.46	vertical	Peak
39078.20	38.42	9.16	47.58	74.00	26.42	vertical	Peak

Restricted Bands Emissions Test:**For 2.5MHz BW mode**

Project No.: 2607R07841E-RF
Test Mode: 5730MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wliff Wu
Power Source: DC 5V

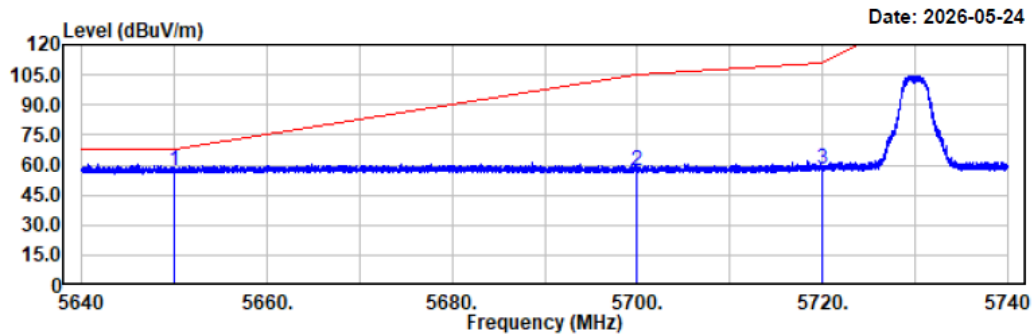


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5650.01	46.25	11.97	58.22	68.21	9.99	horizontal	Peak
5700.00	45.47	12.12	57.59	105.20	47.61	horizontal	Peak
5720.00	46.85	12.13	58.98	110.80	51.82	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5730MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wliff Wu
Power Source: DC 5V

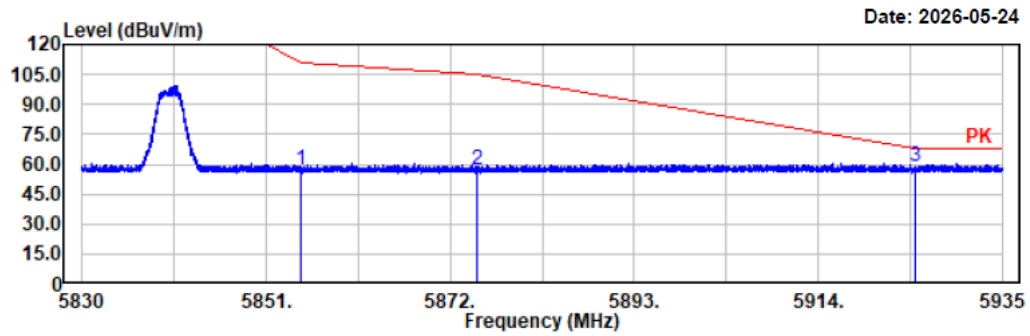


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5650.01	45.48	11.97	57.45	68.21	10.76	vertical	Peak
5700.00	45.06	12.12	57.18	105.20	48.02	vertical	Peak
5720.00	45.97	12.13	58.10	110.80	52.70	vertical	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V

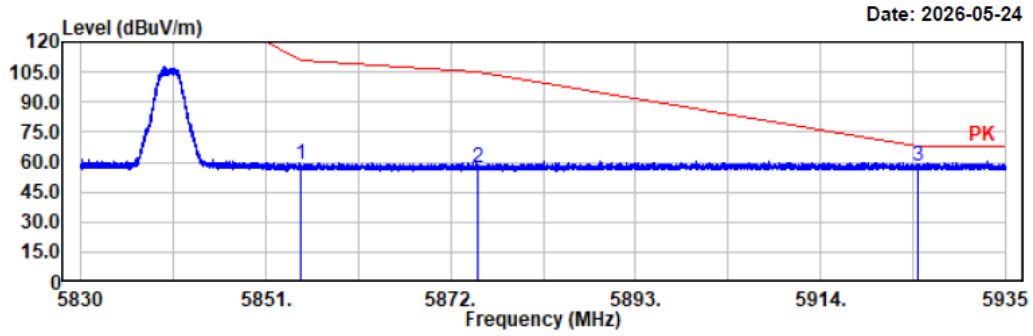


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	44.67	12.33	57.00	110.80	53.80	horizontal	Peak
5875.00	44.65	12.34	56.99	105.20	48.21	horizontal	Peak
5925.00	46.25	12.43	58.68	68.20	9.52	horizontal	Peak

Project No.: 2607R07841E-RF
 Test Mode: 5840MHz
 EUT Model: P401-DAI
 Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V



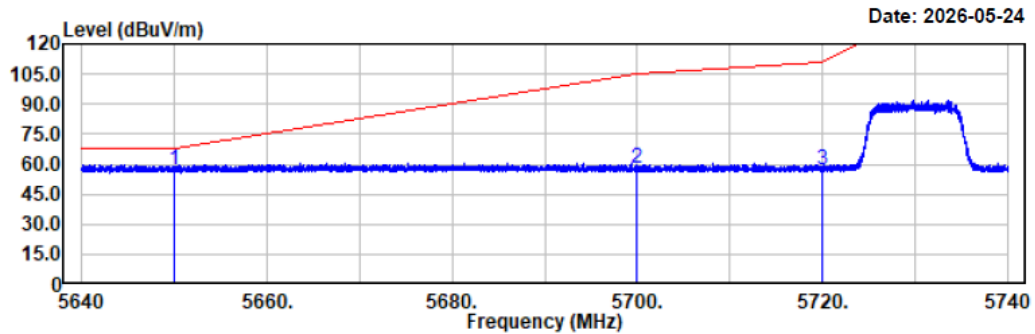
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	46.13	12.33	58.46	110.80	52.34	vertical	Peak
5875.00	44.81	12.34	57.15	105.20	48.05	vertical	Peak
5925.00	45.40	12.43	57.83	68.20	10.37	vertical	Peak

For 10MHz BW mode

Project No.: 2607R07841E-RF
Test Mode: 5730MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V

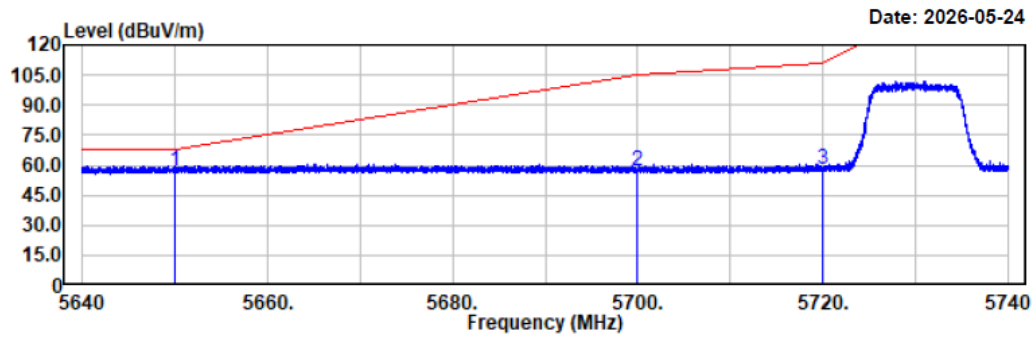


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5650.01	45.21	11.97	57.18	68.20	11.02	horizontal	Peak
5700.00	45.91	12.12	58.03	105.20	47.17	horizontal	Peak
5720.00	44.96	12.13	57.09	110.80	53.71	horizontal	Peak

Project No.: 2607R07841E-RF
Test Mode: 5840MHz
EUT Model: P401-DAI
Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V

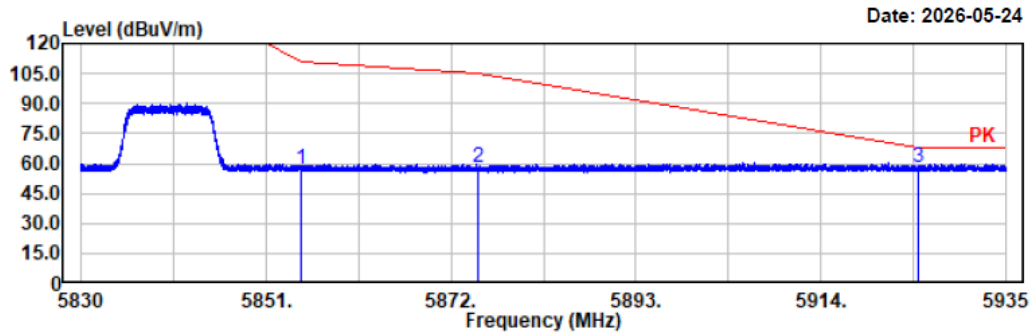


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5650.01	45.29	11.97	57.26	68.21	10.95	vertical	Peak
5700.00	44.99	12.12	57.11	105.20	48.09	vertical	Peak
5720.00	46.05	12.13	58.18	110.80	52.62	vertical	Peak

Project No.: 2607R07841E-RF
 Test Mode: 5840MHz
 EUT Model: P401-DAI
 Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V

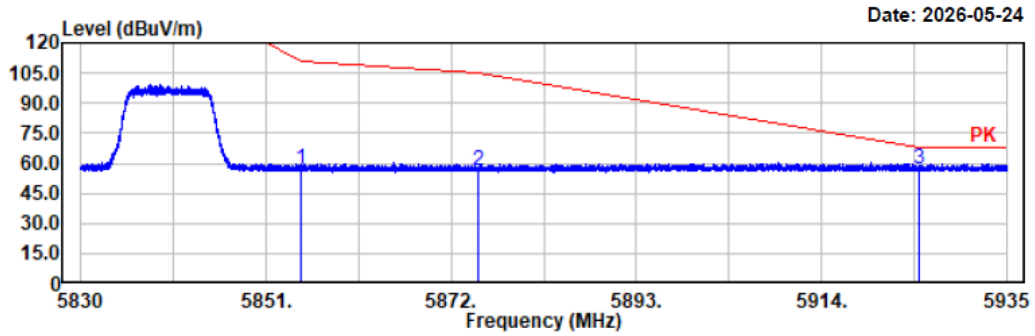


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	44.77	12.33	57.10	110.80	53.70	horizontal	Peak
5875.00	45.87	12.34	58.21	105.20	46.99	horizontal	Peak
5925.00	45.31	12.43	57.74	68.20	10.46	horizontal	Peak

Project No.: 2607R07841E-RF
 Test Mode: 5840MHz
 EUT Model: P401-DAI
 Test distance: 3m

Temp/Humi/ATM: 25.1°C/61%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V



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
5855.00	44.66	12.33	56.99	110.80	53.81	vertical	Peak
5875.00	43.83	12.34	56.17	105.20	49.03	vertical	Peak
5925.00	45.06	12.43	57.49	68.20	10.71	vertical	Peak

FCC §15.407(a) & §15.407(e)–EMISSION BANDWIDTH

Applicable Standard

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz band is made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

The 99% occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. Measurement of the 99% occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in II.G.3.d). Measurements of 99% occupied bandwidth may also optionally be used in lieu of the EBW to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with Section 15.407(a).

The following procedure shall be used for measuring (99%) power bandwidth:

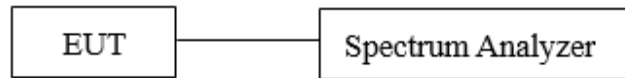
1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1% to 5% of the OBW
4. Set VBW $\geq$ 3RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99% power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

Note: For devices that use channel aggregation refer to III.A and III.C for determining 99% bandwidth.

2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



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 Data

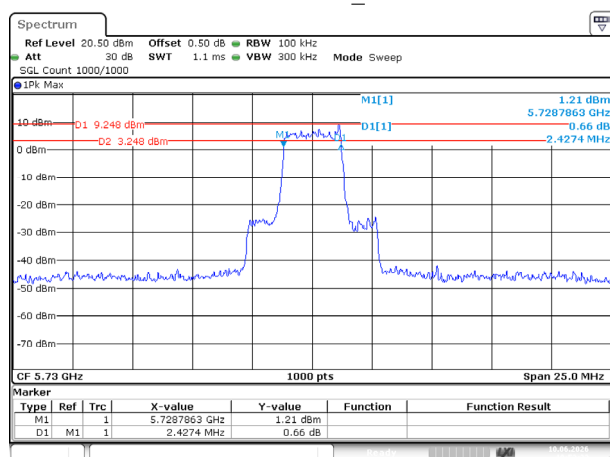
Test Mode:	Transmitting	Test Engineer:	Spike Gao
Test Date:	2026-05-20	Environment:	Temp.: 24.6°C Humi.: 64% Atm :100.1kPa
Test Result:	Compliance		

Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
2.5MHz BW	5730	2.427	2.420
	5800	2.453	2.425
	5840	2.352	2.410
10MHz BW	5730	9.510	9.375
	5800	9.460	9.400
	5840	9.460	9.400

Note: Test only was performed at Chain 0.

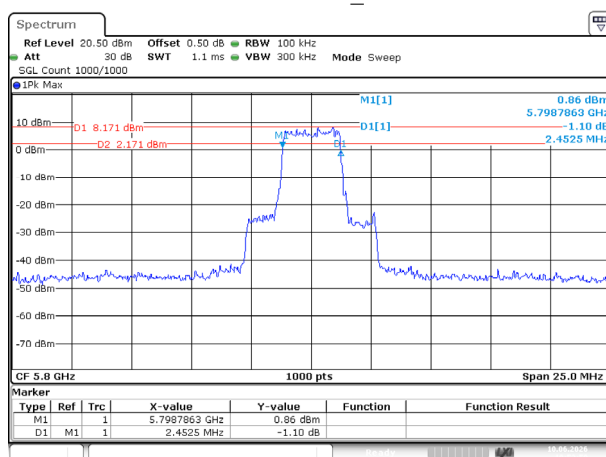
Test with Chain 0**Emission Bandwidth**

2.5MHz BW mode_5730MHz



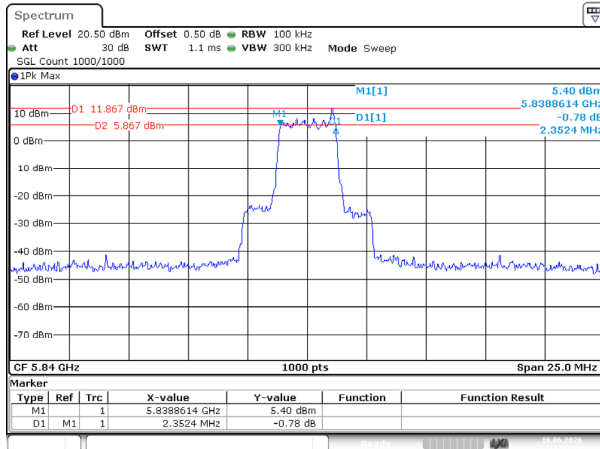
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 18:52:23

2.5MHz BW mode_5800MHz



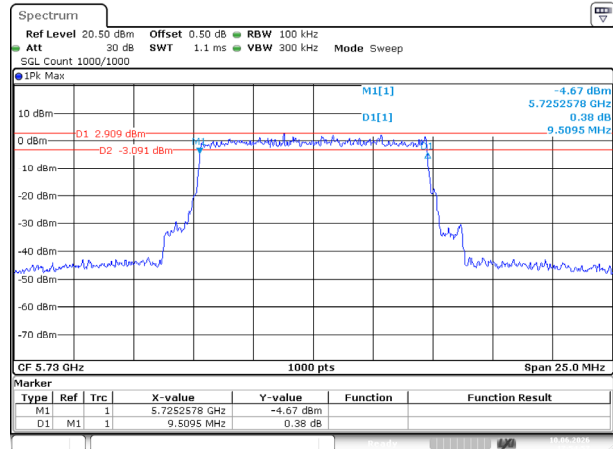
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 18:53:58

2.5MHz BW mode_5840MHz



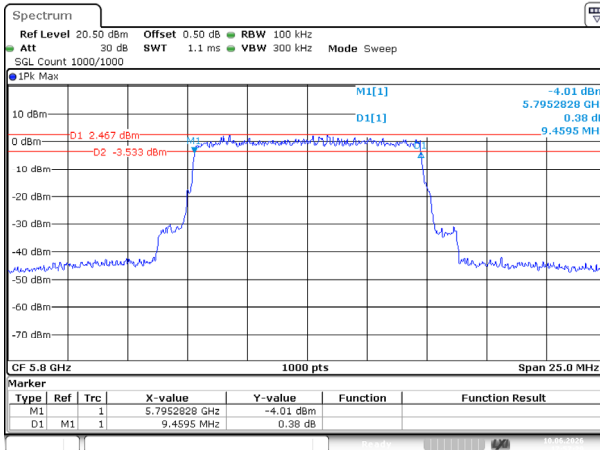
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 18:55:29

10MHz BW mode_5730MHz



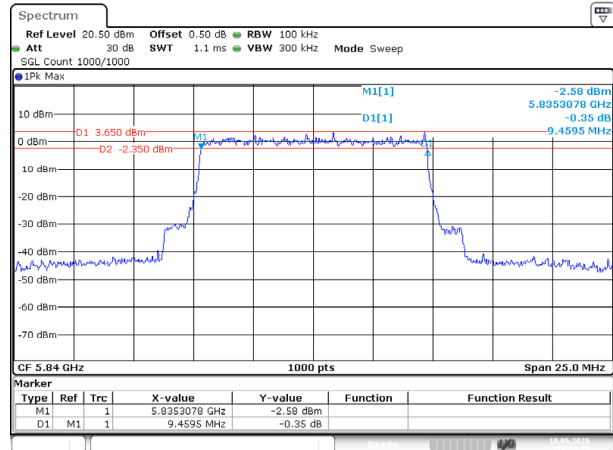
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 17:54:56

10MHz BW mode_5800MHz



ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 17:57:29

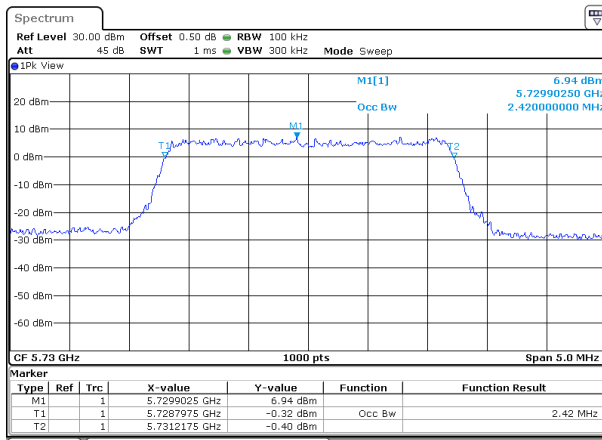
10MHz BW mode_5840MHz



ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 18:00:17

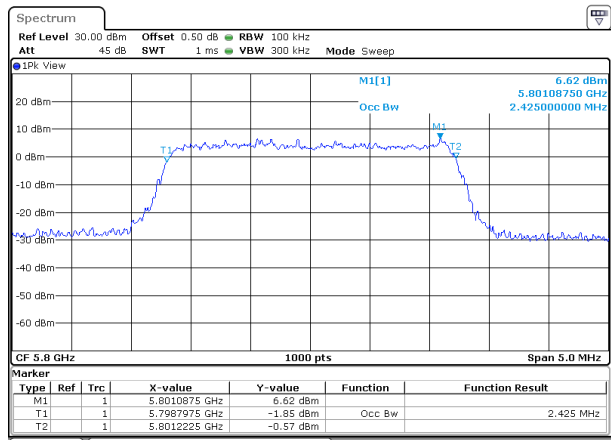
99% Occupied Bandwidth

2.5MHz BW mode_5730MHz



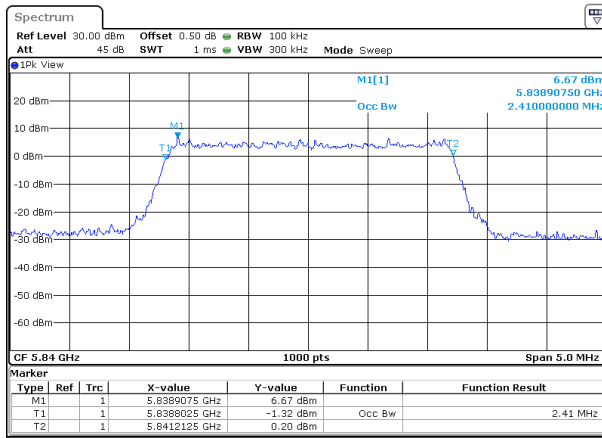
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 20:57:44

2.5MHz BW mode_5800MHz



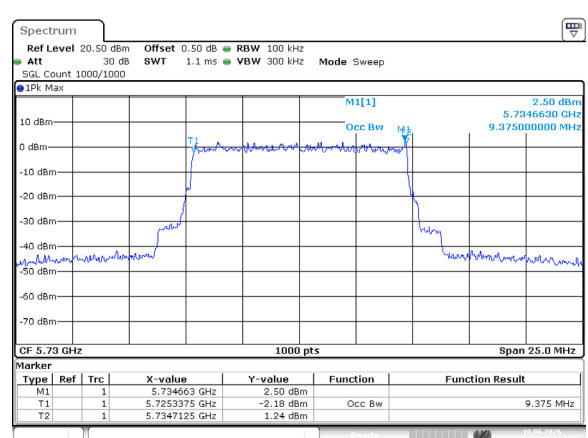
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 22:03:38

2.5MHz BW mode_5840MHz



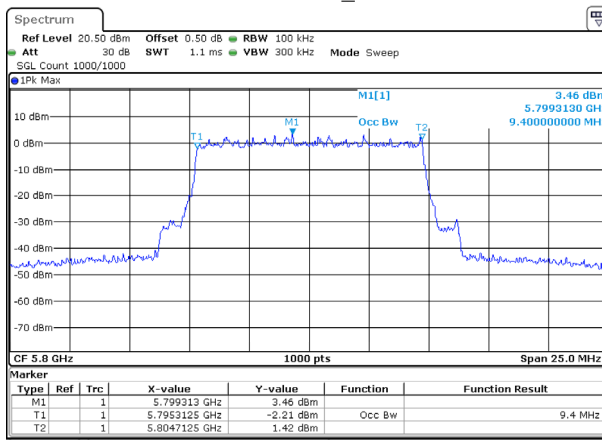
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 22:06:16

10MHz BW mode_5730MHz



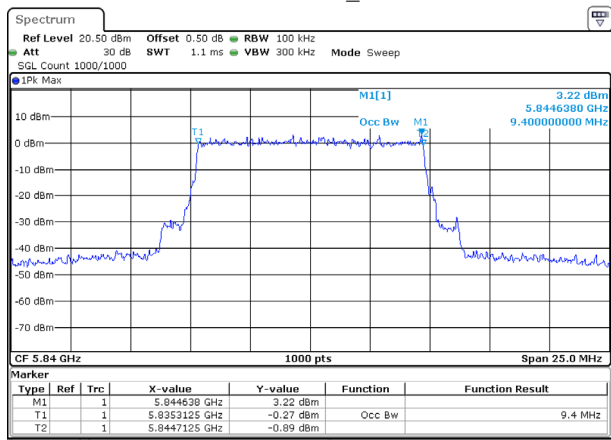
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 17:55:11

10MHz BW mode_5800MHz



ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 17:58:13

10MHz BW mode_5840MHz



ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20.MAY.2026 18:00:48

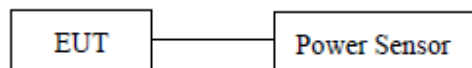
FCC §15.407(a) (3) – CONDUCTED TRANSMITTER OUTPUT POWER

Applicable Standard

According to §15.407(a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure



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.

Method PM-G is measurement using a gated RF average power meter.

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Test Data

Test Mode:	Transmitting	Test Engineer:	Spike Gao		
Test Date:	2026-05-20	Environment:	Temp.: 24.6°C Humi.: 64% Atm :100.1kPa		
Test Result:	Compliance				
Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)			
		Chain 0	Chain 1	Total	Limit
2.5MHz BW	5730	2.31	3.36	5.88	27.48
	5800	2.49	3.54	6.06	27.48
	5840	3.28	4.38	6.88	27.48
10MHz BW	5730	1.16	2.17	4.70	27.48
	5800	1.23	2.54	4.94	27.48
	5840	2.17	3.16	5.70	27.48
Antenna Gain(dBi):	5.52		Directional gain:	8.52	
Note: The directional gain is 8.52dBi, and the power limit is correspondingly reduced by 2.52dB.					

FCC §15.407(a) (3) - POWER SPECTRAL DENSITY

Applicable Standard

According to §15.407(a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure

The measurements are base on FCC KDB 789033 D02 General UNII Test Procedure's New Rules v02r01: Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices section F: Maximum power spectral density (PSD)

Test Data

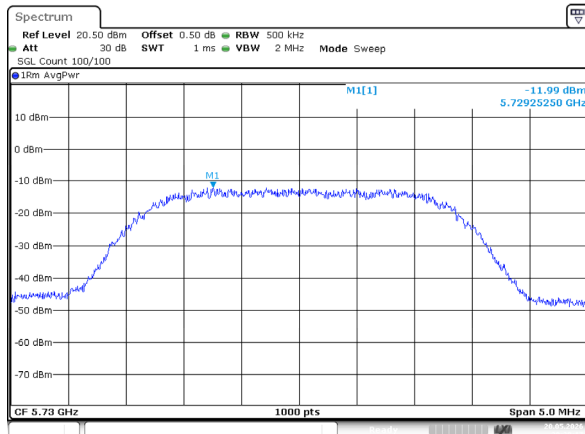
Test Mode:	Transmitting	Test Engineer:	Spike Gao
Test Date:	2026-05-20	Environment:	Temp.:24.6°C Humi.: 64% Atm :100.1kPa
Test Result:	Compliance		

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/500kHz)					
		Reading			Duty Cycle Factor(dB)	Result	Limit
		Chain 0	Chain 1	Total			
2.5MHz	5730	-11.99	-8.93	-7.19	5.36	-1.83	27.48
	5800	-10.24	-8.23	-6.11	5.36	-0.75	27.48
	5840	-10.13	-7.59	-5.67	5.36	-0.31	27.48
10MHz	5730	-17.26	-15	-12.97	5.33	-7.64	27.48
	5800	-16.61	-14.4	-12.36	5.33	-7.03	27.48
	5840	-16.22	-14.26	-12.12	5.33	-6.79	27.48
Antenna Gain(dBi):		5.52		Directional gain:		8.52	
Note: The directional gain is 8.52dBi, and the power limit is correspondingly reduced by 2.52dB.							

Note: Result = Reading + Duty Cycle Factor

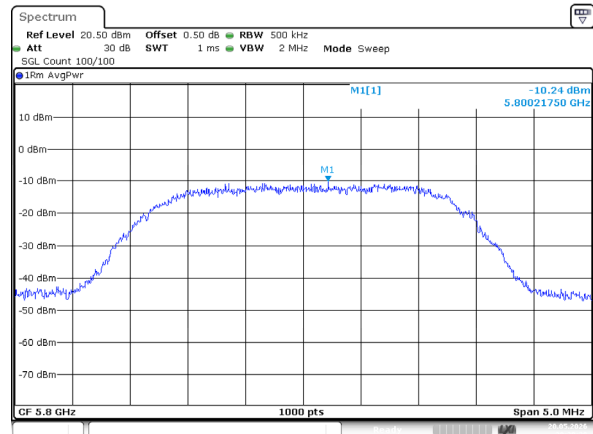
Chain 0

2.5MHz BW mode_5730MHz



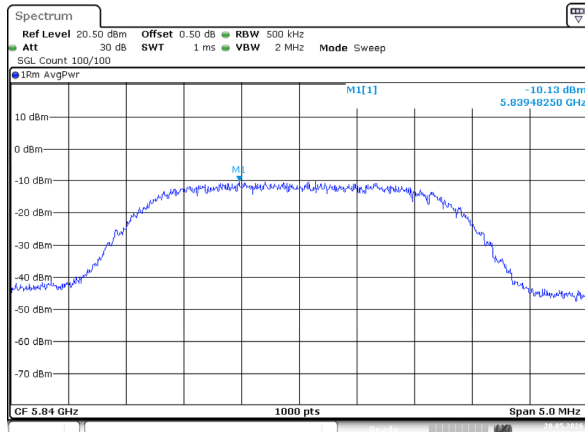
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20-July-2026 20:29:17

2.5MHz BW mode_5800MHz



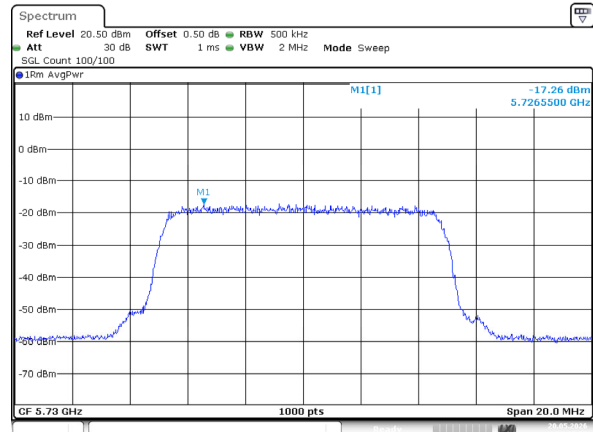
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20-July-2026 20:29:38

2.5MHz BW mode_5840MHz



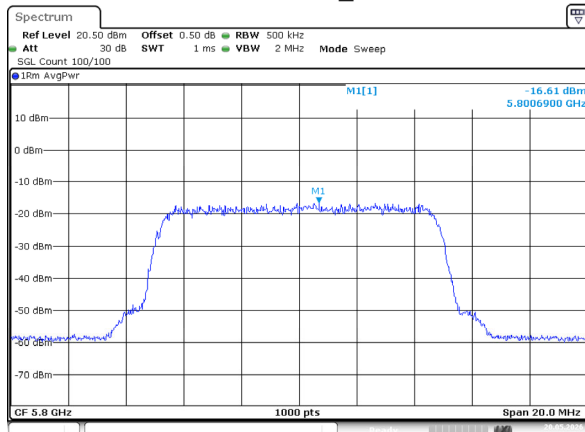
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20-July-2026 20:36:08

10MHz BW mode_5730MHz



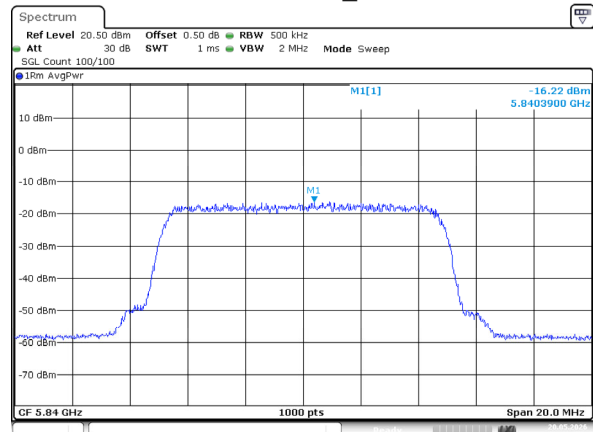
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20-July-2026 21:10:07

10MHz BW mode_5800MHz



ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20-July-2026 21:10:27

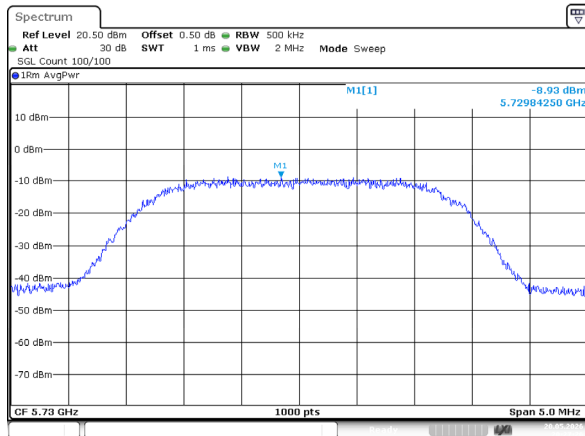
10MHz BW mode_5840MHz



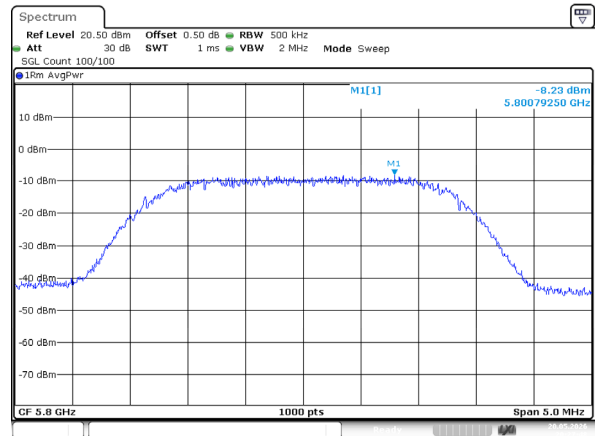
ProjectNo.:2607R07841E-RF Tester:Spike Gao
Date: 20-July-2026 21:10:47

Chain 1

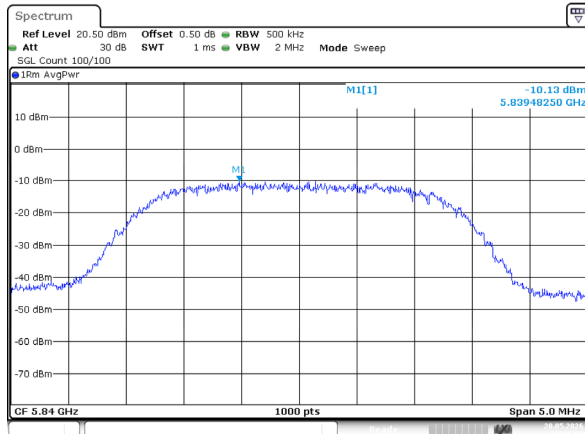
2.5MHz BW mode_5730MHz



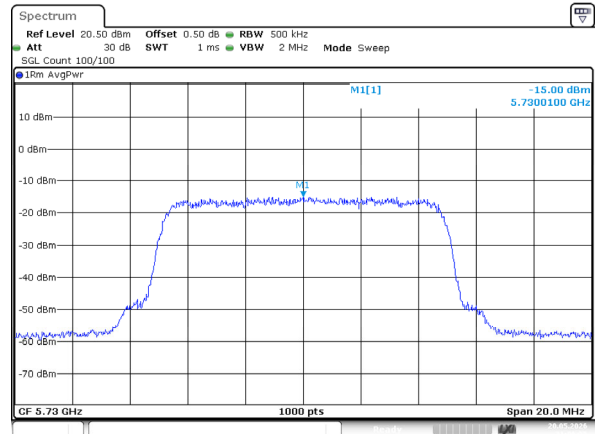
2.5MHz BW mode_5800MHz



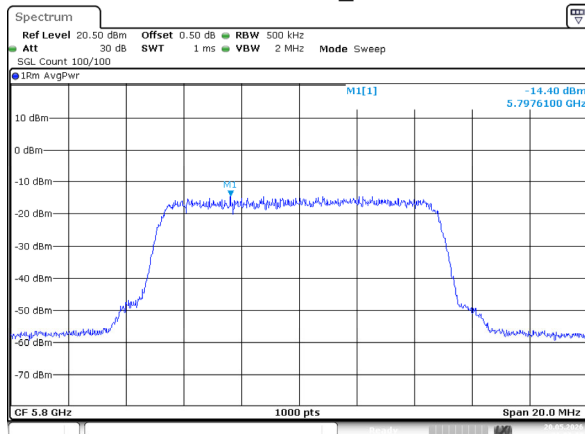
2.5MHz BW mode_5840MHz



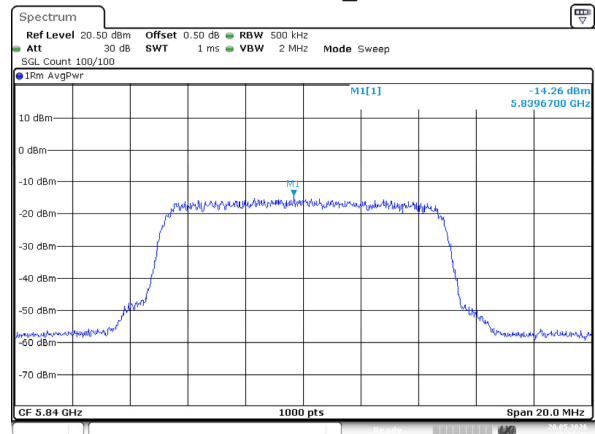
10MHz BW mode_5730MHz



10MHz BW mode_5800MHz



10MHz BW mode_5840MHz



EUT PHOTOGRAPHS

Please refer to the attachment 2607R07841E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2607R07841E-RF-INP EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2607R07841E-RF-TSP TEST 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 *******