

TEST REPORT

Applicant Name: Bytech NY Inc.
Address: 2585 West 13th Street, Brooklyn NY 11223, New York, United States
Report Number: 2604P40770E-RF-00A
FCC ID: 2AHN6-KBWS115

Test Standard (s)

FCC PART 15.249

Sample Description

Product Name: Animal Wireless Keyboard-ASST
Model No.: BY-KB-WS-115-AC, BY-KB-WS-115-BR, BY-KB-WS-115-PK
Trade Mark: N/A
Date Received: 2026-01-12
Report Date: 2026-01-19

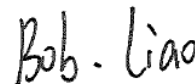
Test Result:	The EUT complied with the standards above.
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Prepared and Checked By:



Jason Fan
EMC Engineer

Approved By:



Bob Liao
EMC Engineer

Note: This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA, or any agency of the Federal Government. The information marked “#” is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included but no need marked.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2604P40770E-RF-00A	Original Report	2026-01-19

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	Animal Wireless Keyboard-ASST
Tested Model	BY-KB-WS-115-AC
Multiple Model	BY-KB-WS-115-BR, BY-KB-WS-115-PK
Model Difference [#]	Only the model number and colors are different. Please refer to DOS letter for details. The applicant provided model "BY-KB-WS-115-AC" for testing.
Voltage Range [#]	DC 3.0V from battery
UPC Number	805112143047, 805112143054
SKU Number	9233348
Lot Number	BY011026

Frequency Range	2.4G SRD: 2402-2479MHz
Maximum E-Field Strength (Peak)	87.51 dBuV/m@3m
Modulation Technique	GFSK
Antenna Specification [#]	Internal Antenna, Antenna gain: 2.34 dBi (It is provided by the applicant.)
Sample Serial Number	3FVL-1 (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition

Objective

This type approval report is in accordance with Part 2-Subpart J, and Part 15-Subparts A and C of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.209, 15.215 and 15.249 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliant Testing of Unlicensed Wireless Devices.

Unless otherwise stated there are no any additions to, deviations, or exclusions from the method.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA). The Certificate Number is 4297.01.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		5 %
RF output power, conducted		0.3 dB
Unwanted Emission, conducted		1.2 dB
Emissions, Radiated	9kHz - 30MHz	2.1 dB
	30MHz - 1GHz	4.3 dB
	1GHz - 18GHz	4.9 dB
	18GHz - 26.5GHz	5.2 dB
Temperature		1 °C
Humidity		7 %
Supply voltages		0.4 %

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

Description of Test Configuration

The system was configured for testing in engineering mode.

Frequency list[#]:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	2402	6	2456	12	2419
1	2421	7	2474	13	2437
2	2446	8	2417	14	2451
3	2468	9	2428	15	2479
4	2408	10	2460	/	/
5	2423	11	2478	/	/

EUT was tested with Channel 0,2 and 15.

EUT Exercise Software and Power Level[#]

Exercise Software:	Fcc_test_tool
Power Level:	Default

Note: The information in the above table is provided by the applicant.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

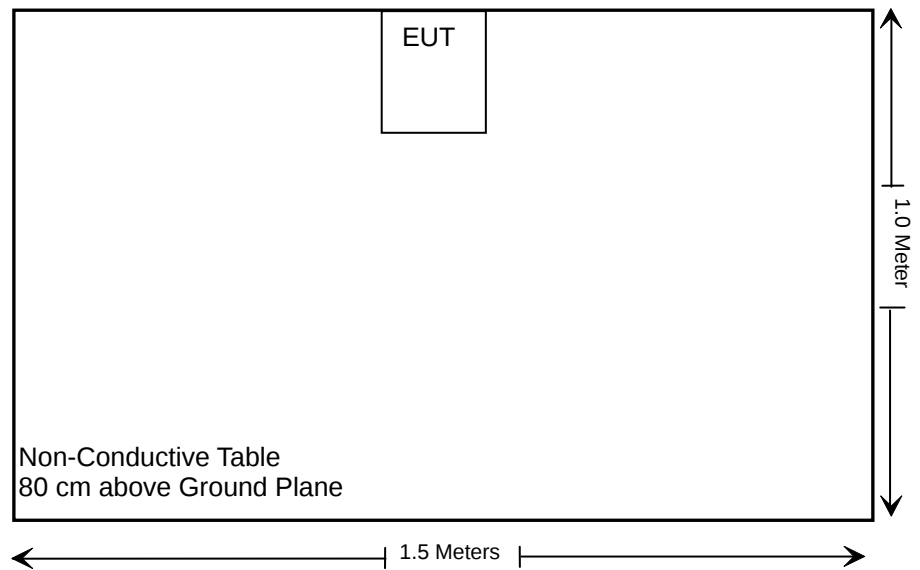
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

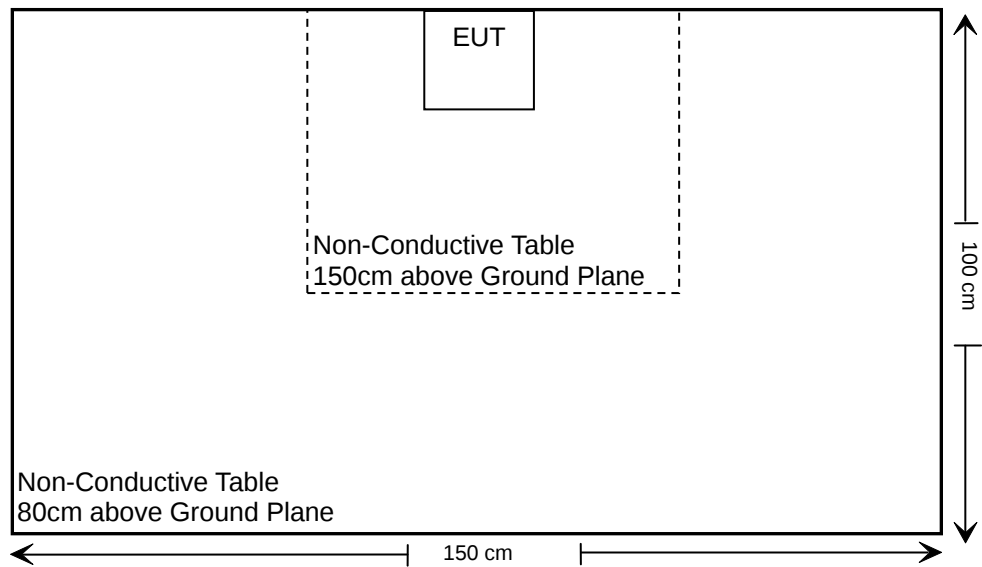
Cable Description	Shielding Type	Length (m)	From Port	To
/	/	/	/	/

Block Diagram of Test Setup

For Radiated Emission(Above 1GHz):



For Radiated Emission Above 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207(a)	AC Line Conducted Emissions	Not Applicable
§15.205, §15.209, §15.249(a)(c)(d)	Radiated Emissions & Outside of Band Emission	Compliance
§15.215(c)	20dB Emission Bandwidth	Compliance

Not Applicable: The EUT is powered by battery.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiation Method Test					
Rohde & Schwarz	Test Receiver	ESR	102725	2025/09/18	2026/09/17
SONOMA INSTRUMENT	Amplifier	310N	186131	2025/03/26	2026/03/25
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2024/08/08	2027/08/07
Unknown	RF Coaxial Cable	No.12	N040	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.13	N300	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.14	N800	2025/05/30	2026/05/29
BACL	LOOP ANTENNA	1313-1A	3110711	2024/01/16	2027/01/15
Rohde & Schwarz	Spectrum Analyzer	FSV40	101949	2025/09/17	2026/09/16
Decentest	Filter Switch Unit	DT7220FSU	DQ77927	2025/09/18	2026/09/17
Decentest	Multiplex Switch Test Control Set	DT7220CSU	DQ77924	2025/09/18	2026/09/17
A.H. Systems, inc.	Preamplifier	PAM-0118	226	2025/03/20	2026/03/19
Schwarzbeck	Horn Antenna	BBHA9120D	837	2023/02/22	2026/02/21
Unknown	RF Coaxial Cable	No.10	N050	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.11	N1000	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.19	N500	2025/05/30	2026/05/29
Schwarzbeck	HORN ANTENNA	BBHA9170	9170-359	2023/12/12	2026/12/11
BACL	Amplifier	BACL-1313-A 1840	4012521	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.15	N600	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.16	N650	2025/05/30	2026/05/29
Test Software: e3 191218 (V9)					

* **Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

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 use of a standard antenna jack or electrical connector is prohibited.

Antenna Connector Construction

The EUT has one internal antenna which was permanently attached, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliance.

RADIATED EMISSIONS

Applicable Standard

FCC§15.205, §15.209 & §15.249(a)(c)(d)

As per FCC§15.249 (a), except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

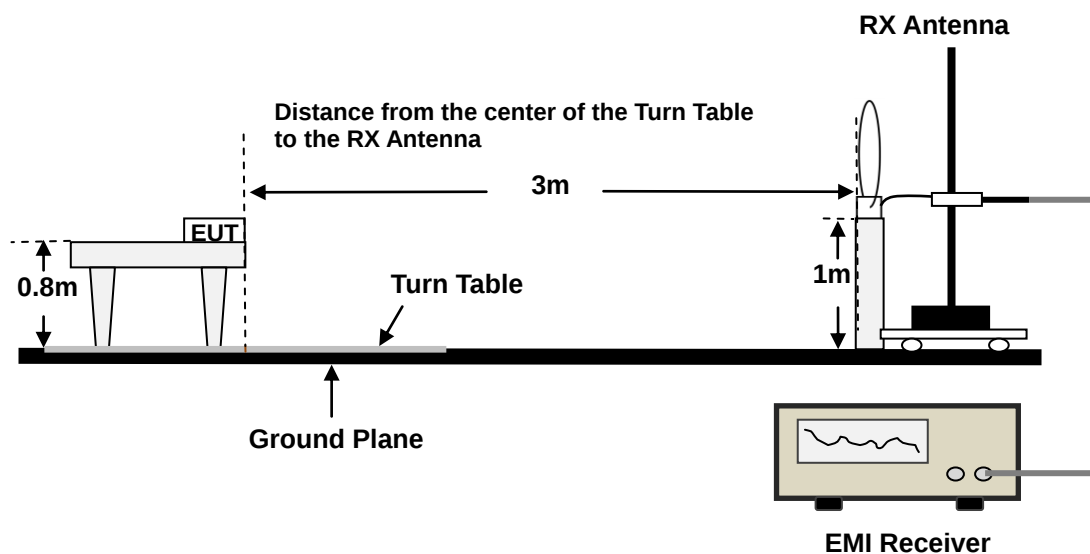
Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902–928 MHz	50	500
2400–2483.5 MHz	50	500
5725–5875 MHz	50	500
24.0–24.25 GHz	250	2500

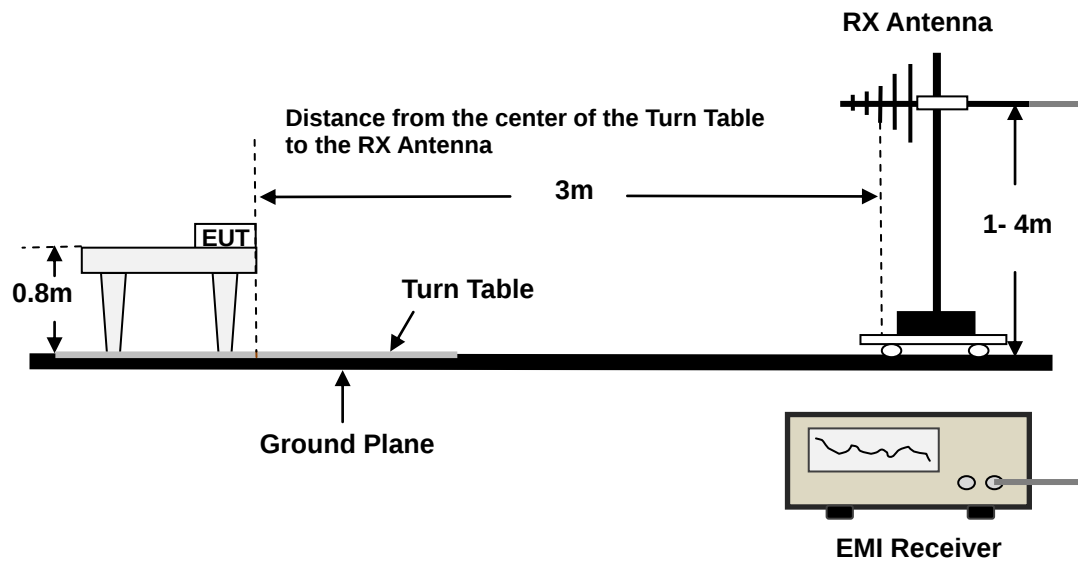
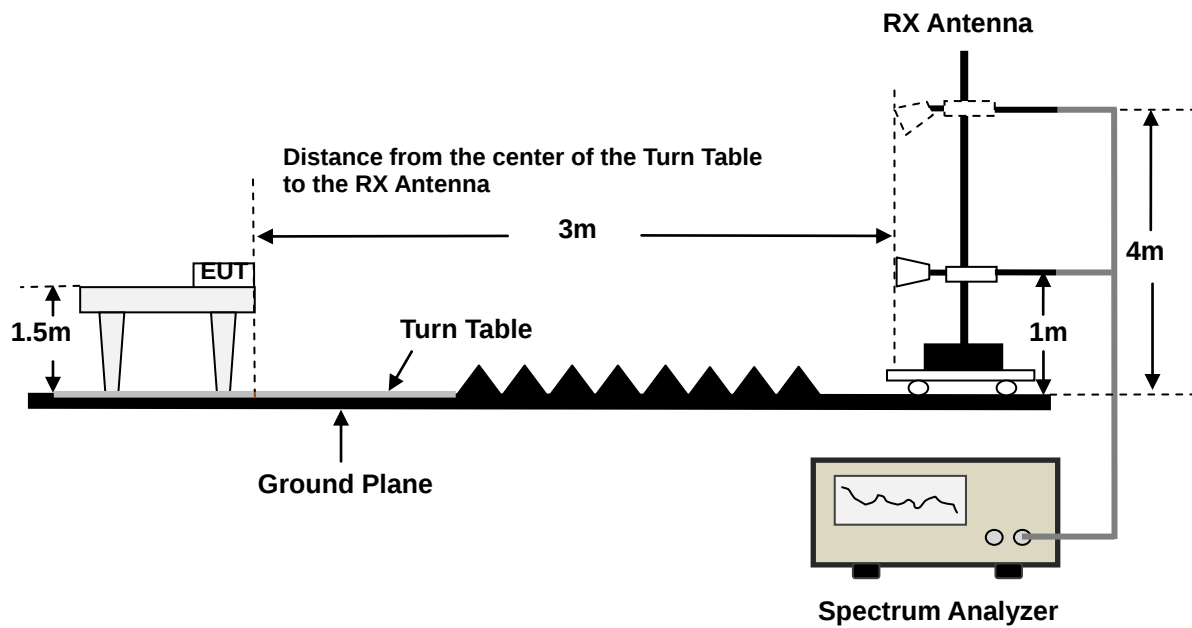
As per FCC§15.249 (c), Field strength limits are specified at a distance of 3 meters.

As per FCC§15.249 (d), Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

EUT Setup

9kHz - 30MHz:



30MHz - 1GHz:**Above 1GHz:**

The radiated emission performed in the 3 meters, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209/15.205 and FCC 15.249 limits.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9kHz to 25GHz.

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

9kHz - 1000MHz:

Frequency Range	Measurement	RBW	Video B/W	IF B/W	Detector
9kHz - 150kHz	PK	0.3kHz	1kHz	/	PK
	QP/AV	/	/	200Hz	QP/AV
150kHz - 30MHz	PK	10kHz	30kHz	/	PK
	QP/AV	/	/	9kHz	QP/AV
30MHz - 1000MHz	PK	100kHz	300kHz	/	PK
	QP	/	/	120kHz	QP

1GHz -25GHz:

Pre-scan:

Measurement	Detector	RBW	Video B/W
PK	Peak	1MHz	3MHz
Ave.	Peak	1MHz	5kHz

Final measurement for emission identified during the pre-scan:

Measurement	Detector	RBW	Video B/W
PK	Peak	1MHz	3MHz
Ave.	Peak	1MHz	10Hz

Note 1: The 1GHz-4GHz testing use the notch filter and the 4GHz-18GHz testing use high-pass filter.

Note 2: The band edge testing use 10dB attenuator.

Note 3: The filters and attenuators are all integrated within the filter switch unit.

Test Procedure

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

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Note 1: If the maximized peak measured value is under the QP/Average limit by more than 6dB, then it is unnecessary to perform an QP/Average measurement.

Note 2: For above 1GHz, the test result of peak was 20dB below to the limit of peak, which can be compliant to the average limit, so just peak value was recorded.

Calculation

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

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

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

$$\begin{aligned}\text{Over Limit/Margin} &= \text{Level} / \text{Corrected Amplitude} - \text{Limit} \\ \text{Level} / \text{Corrected Amplitude} &= \text{Read Level} + \text{Factor}\end{aligned}$$

Test Data

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

9kHz-1GHz

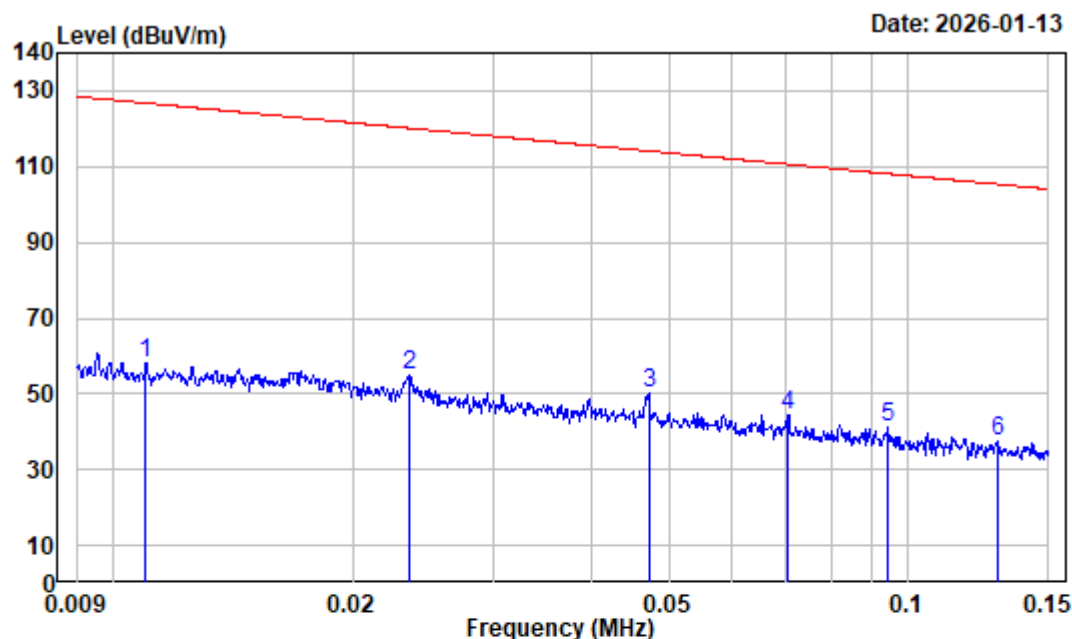
Environmental Conditions

Temperature:	18.8 °C
Relative Humidity:	53 %
ATM Pressure:	101.8 kPa
Test Engineer:	Jayden Luo
Test Date:	2026-01-13
EUT Operation Mode:	Transmitting

Test Result: Compliance, please refer to the below data.

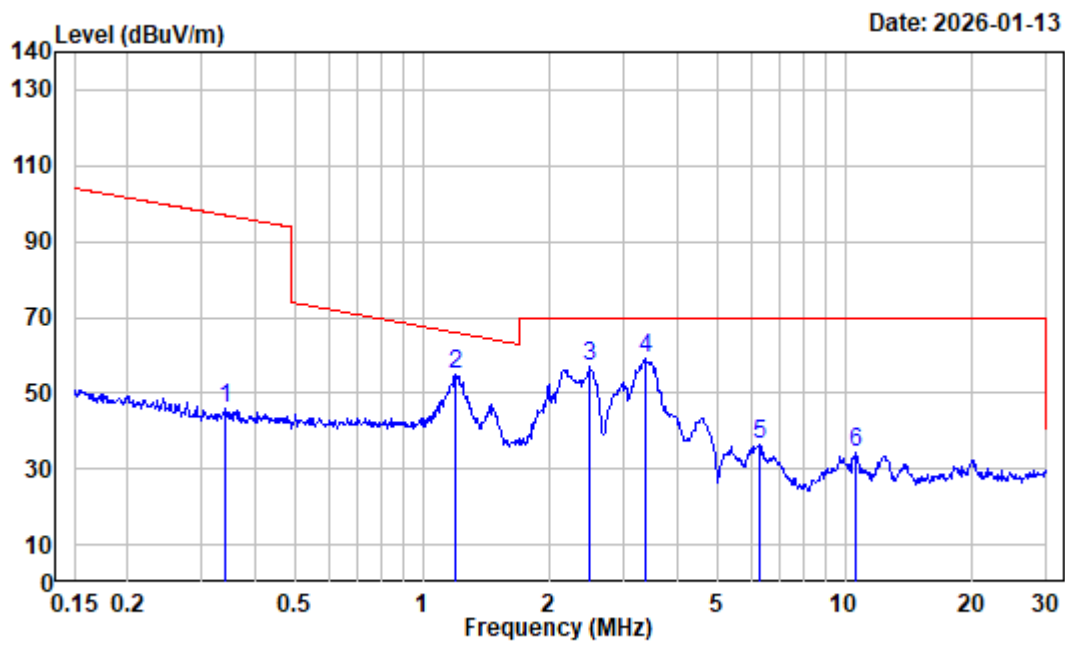
Note: The pre-scan maximum E-Field strength channel: 2.4G SRD Middle Channel was tested.

9kHz~30MHz:



Site : chamber
 Condition : 3m
 Job No. : 2604P40770E-RF
 Polarization : Parallel Tester: Jayden Luo
 Test Mode : 2.4GHz SRD Transmitting
 Receiver Setting: RBW:300Hz VBW:1kHz

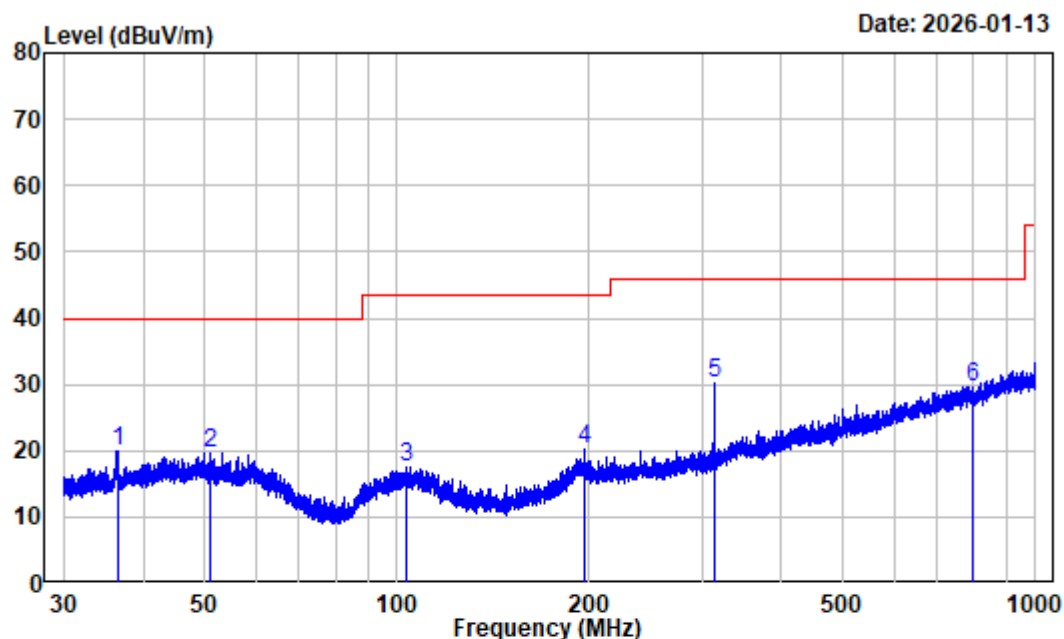
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.011	35.39	22.80	58.19	126.78	-68.59	Peak
2	0.024	29.78	25.31	55.09	120.14	-65.05	Peak
3	0.047	23.39	26.59	49.98	114.13	-64.15	Peak
4	0.071	19.87	24.61	44.48	110.63	-66.15	Peak
5	0.094	17.04	24.04	41.08	108.11	-67.03	Peak
6	0.130	15.10	22.51	37.61	105.35	-67.74	Peak



Site : chamber
Condition : 3m
Job No. : 2604P40770E-RF
Polarization : Parallel Tester: Jayden Luo
Test Mode : 2.4GHz SRD Transmitting
Receiver Setting: RBW:10kHz VBW:30kHz

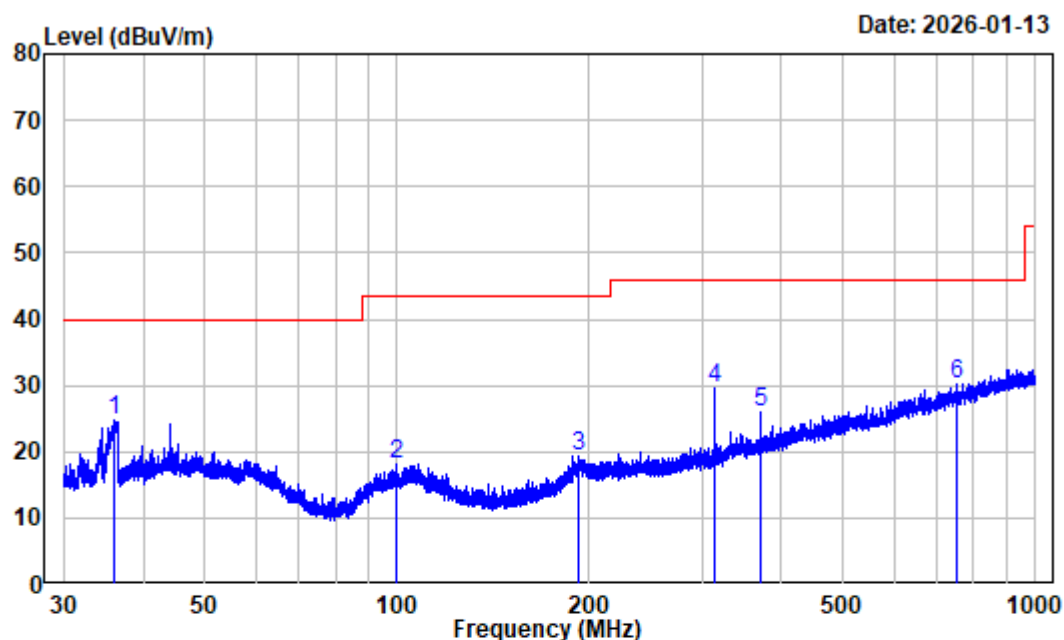
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.341	6.45	39.44	45.89	96.95	-51.06	Peak
2	1.191	-2.51	57.65	55.14	65.92	-10.78	Peak
3	2.474	-5.60	62.64	57.04	69.54	-12.50	Peak
4	3.364	-6.00	65.21	59.21	69.54	-10.33	Peak
5	6.252	-6.16	42.76	36.60	69.54	-32.94	Peak
6	10.620	-5.20	39.31	34.11	69.54	-35.43	Peak

30MHz~1GHz



Site : chamber
Condition : 3m HORIZONTAL
Job No. : 2604P40770E-RF Tester: Jayden Luo
Test Mode : 2.4GHz SRD Transmitting
Receiver Setting: RBW:100kHz VBW:300kHz

	Freq	Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	36.429	-11.36	31.26	19.90	40.00	-20.10	Peak
2	50.897	-10.02	29.69	19.67	40.00	-20.33	Peak
3	103.306	-11.22	28.84	17.62	43.50	-25.88	Peak
4	197.114	-10.07	30.37	20.30	43.50	-23.20	Peak
5	314.928	-8.62	38.81	30.19	46.00	-15.81	Peak
6	798.280	0.22	29.45	29.67	46.00	-16.33	Peak



Site : chamber
Condition : 3m VERTICAL
Job No. : 2604P40770E-RF Tester: Jayden Luo
Test Mode : 2.4GHz SRD Transmitting
Receiver Setting: RBW:100kHz VBW:300kHz

Freq Factor		Read Level	Limit Level	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	36.064	-11.45	36.06	24.61	40.00 -15.39 Peak
2	99.659	-11.40	29.41	18.01	43.50 -25.49 Peak
3	191.913	-10.18	29.59	19.41	43.50 -24.09 Peak
4	314.928	-8.62	38.07	29.45	46.00 -16.55 Peak
5	371.679	-6.87	32.76	25.89	46.00 -20.11 Peak
6	751.754	0.02	30.09	30.11	46.00 -15.89 Peak

1GHz-25GHz

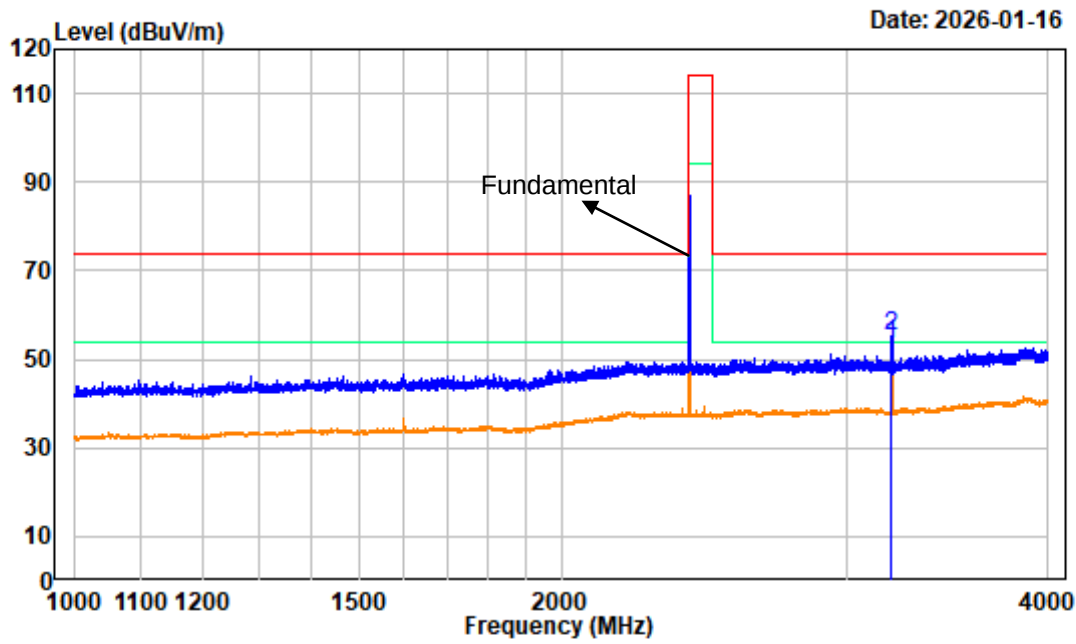
Environmental Conditions

Temperature:	20.2 °C
Relative Humidity:	50 %
ATM Pressure:	101.8 kPa
TestEngineer:	Colin Lin
TestDate:	2026-01-16
EUT Operation Mode:	Transmitting

Test Result: Compliance, please refer to the below data.

Note : For 18GHz-25GHz, the maximum E-Field strength channel: 2.4G SRD Middle Channel was tested

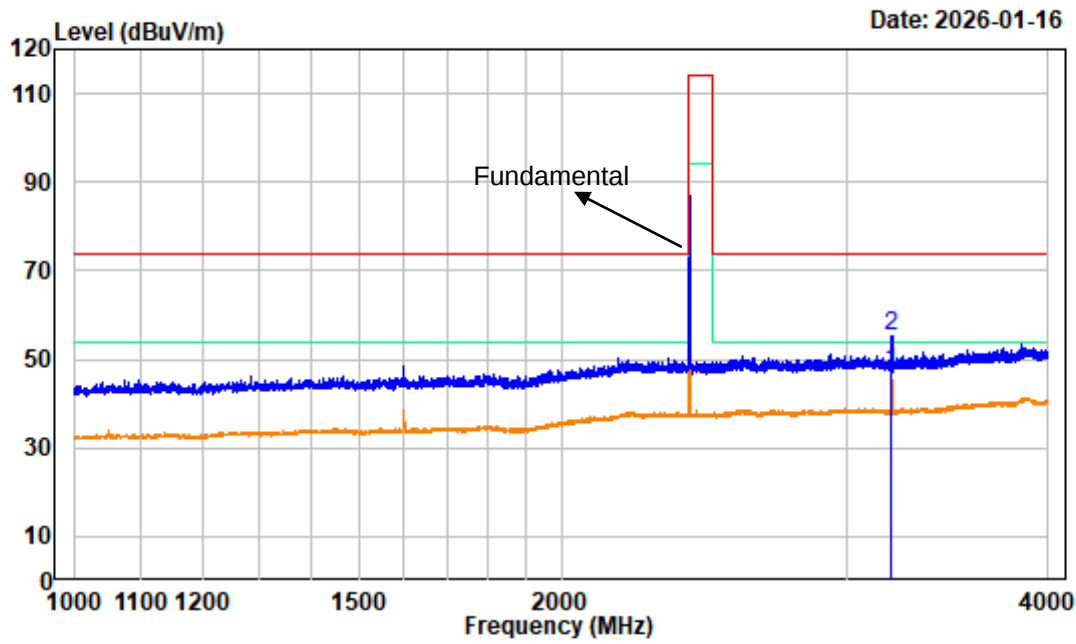
2.4G SRD Low Channel 1GHz-4GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD Low Channel 2402MHz 1GHz-4GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3203.125	-10.22	63.83	53.61	54.00	-0.39	Average
2	3203.125	-10.22	65.43	55.21	74.00	-18.79	Peak

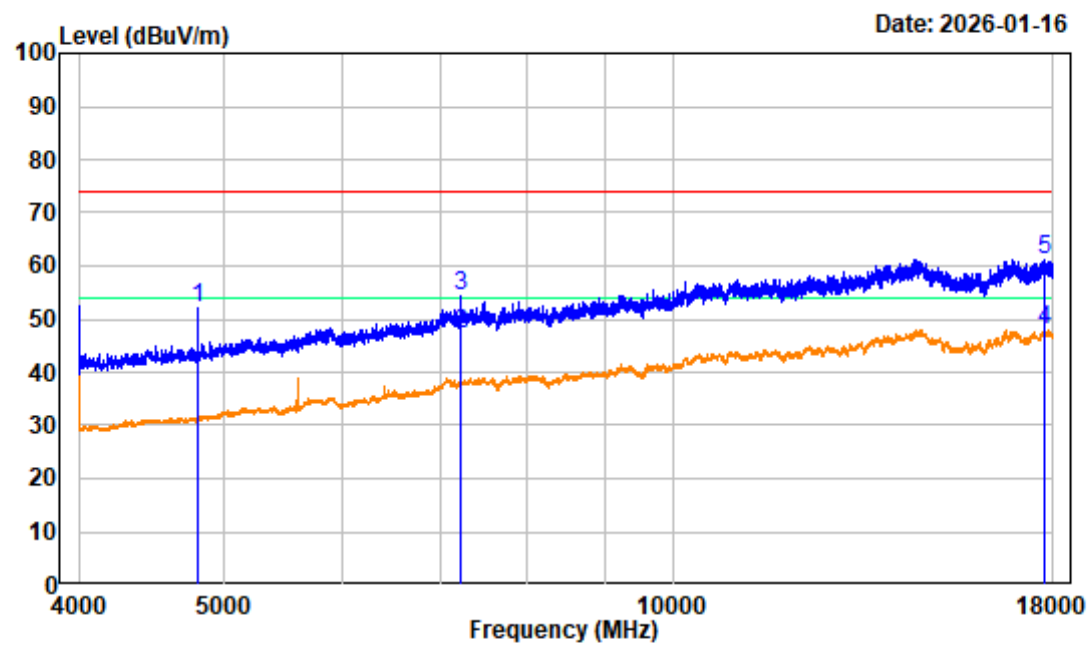
2.4G SRD Low Channel 1GHz-4GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD Low Channel 2402MHz 1GHz-4GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3203.125	-10.22	57.20	46.98	54.00	-7.02	Average
2	3203.125	-10.22	65.43	55.21	74.00	-18.79	Peak

2.4G SRD Low Channel 4GHz-18GHz_HORIZONTAL



Site : chamber

Condition : 3m HORIZONTAL

Project No.: 2604P40770E-RF

Test Mode : Transmitting

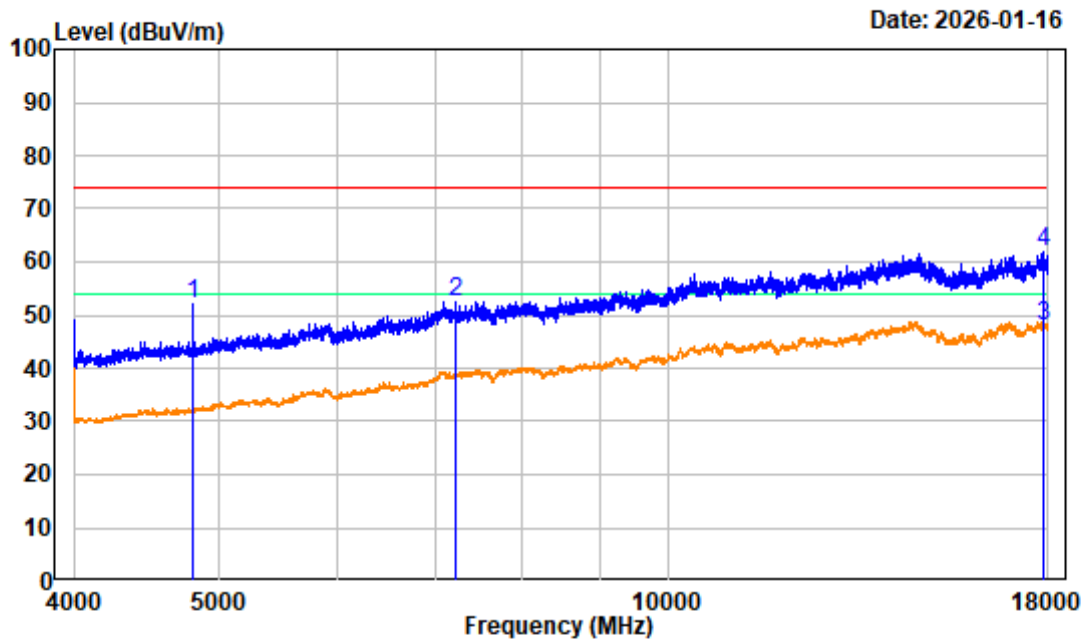
Tester:Colin Lin

Note : 2.4G SRD Low Channel 2402MHz 4GHz-18GHz

SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4804.000	-6.64	58.90	52.26	74.00	-21.74	Peak
2	7206.000	-1.36	48.49	47.13	54.00	-6.87	Average
3	7206.000	-1.36	55.55	54.19	74.00	-19.81	Peak
4	17744.500	7.75	40.05	47.80	54.00	-6.20	Average
5	17744.500	7.75	53.37	61.12	74.00	-12.88	Peak

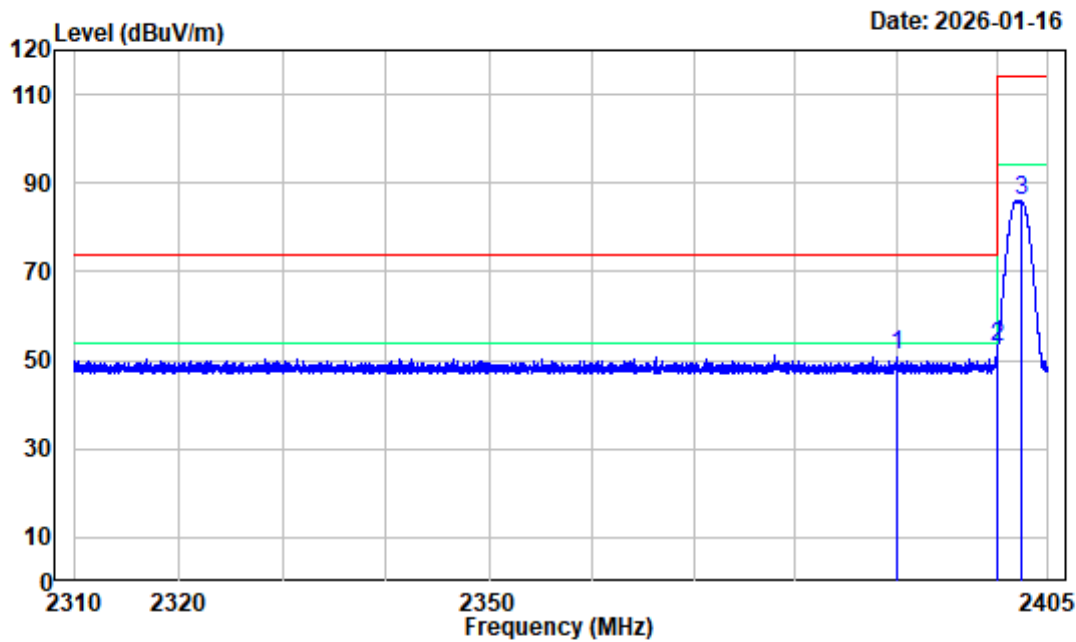
2.4G SRD Low Channel 4GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD Low Channel 2402MHz 4GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4804.000	-6.64	58.71	52.07	74.00	-21.93	Peak
2	7206.000	-1.36	53.63	52.27	74.00	-21.73	Peak
3	17867.000	8.29	39.63	47.92	54.00	-6.08	Average
4	17867.000	8.29	53.42	61.71	74.00	-12.29	Peak

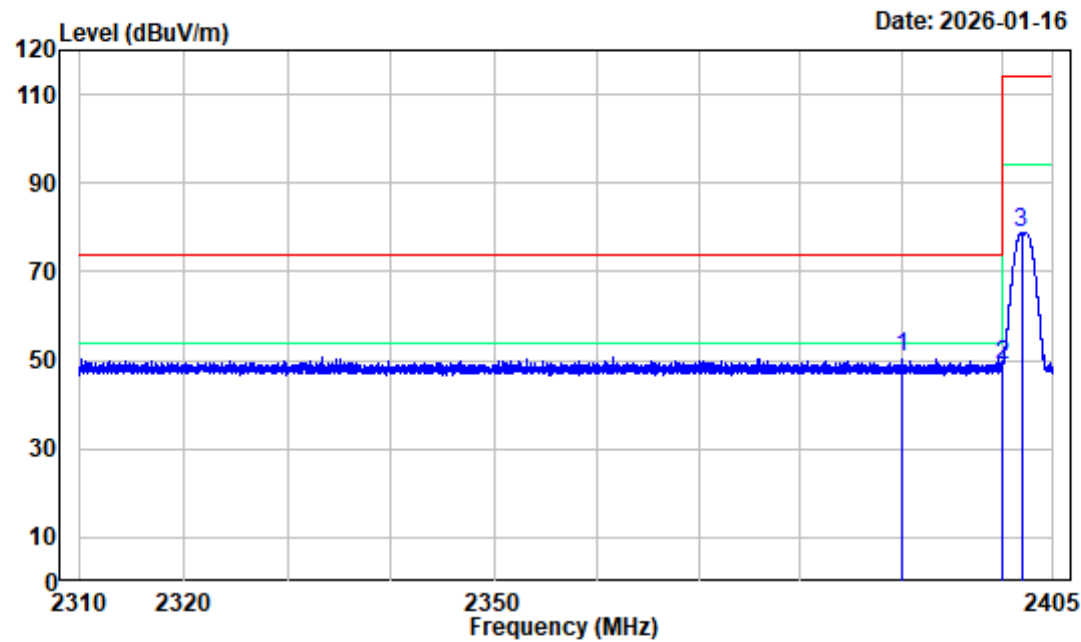
2.4G SRD Low Channel Bandedge And Fundamental_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD Low Channel 2402MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2390.000	-10.25	61.24	50.99	74.00	-23.01	Peak
2	2400.000	-10.29	63.12	52.83	74.00	-21.17	Peak
3	2402.304	-10.29	96.33	86.04	114.00	-27.96	Peak

2.4G SRD Low Channel Bandedge And Fundamental_VERTICAL



Site : chamber

Condition : 3m VERTICAL

Project No.: 2604P40770E-RF

Test Mode : Transmitting

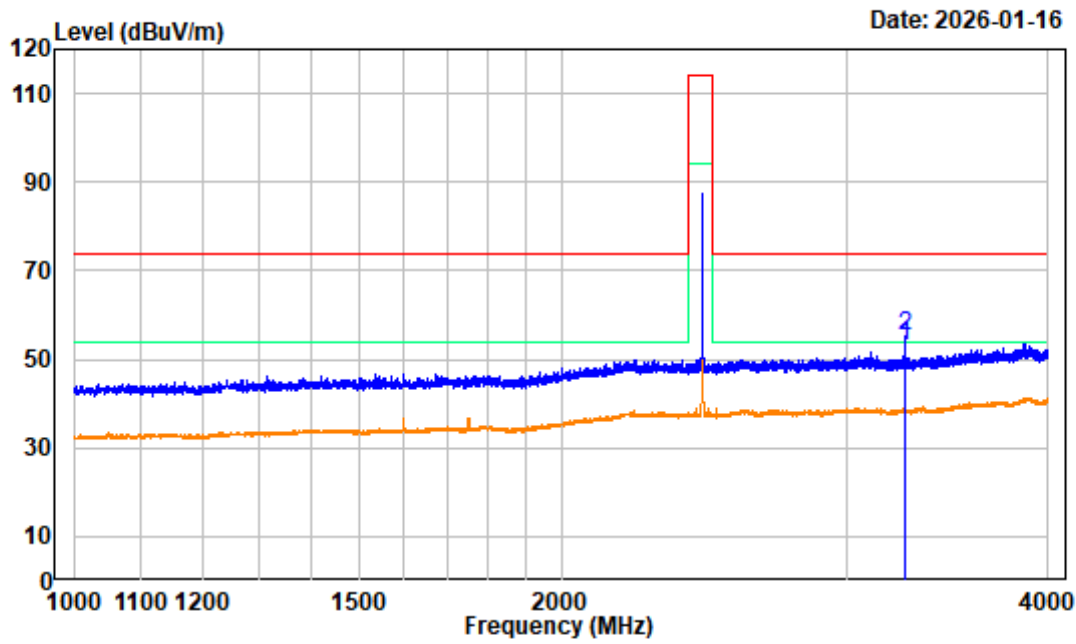
Tester:Colin Lin

Note : 2.4G SRD Low Channel 2402MHz Bandedge

SA setting : Peak:RBW:1MHz,VBW:3MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2390.000	-10.25	60.90	50.65	74.00	-23.35	Peak
2	2400.000	-10.29	59.13	48.84	74.00	-25.16	Peak
3	2401.853	-10.29	89.12	78.83	114.00	-35.17	Peak

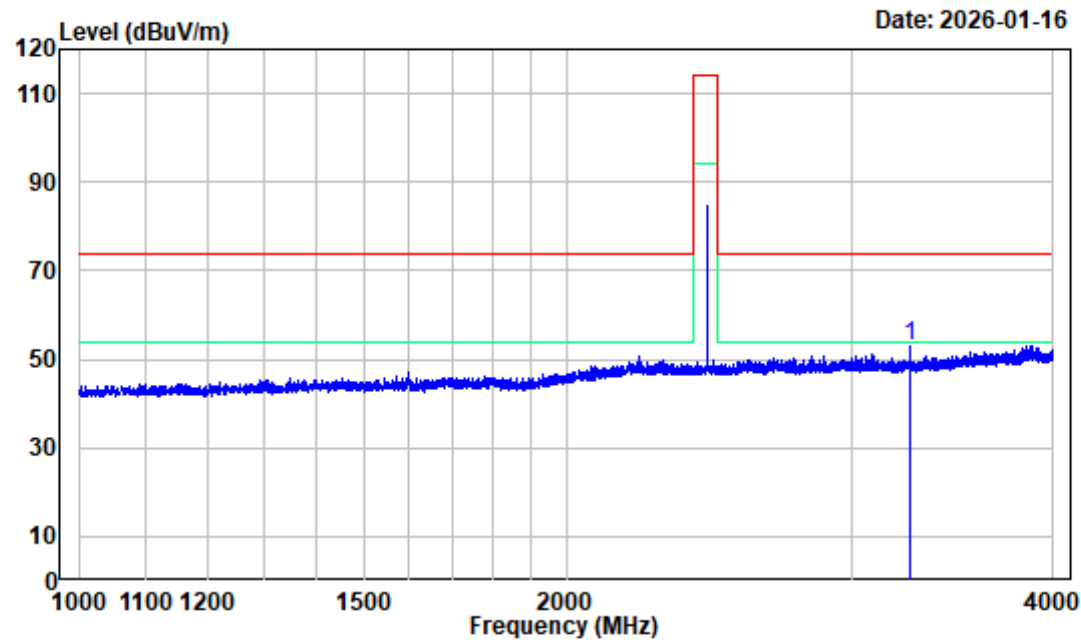
2.4G SRD Middle Channel 1GHz-4GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD Middle Channel 2446MHz 1GHz-4GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3262.000	-9.92	62.77	52.85	54.00	-1.15	Average
2	3262.000	-9.92	65.22	55.30	74.00	-18.70	Peak

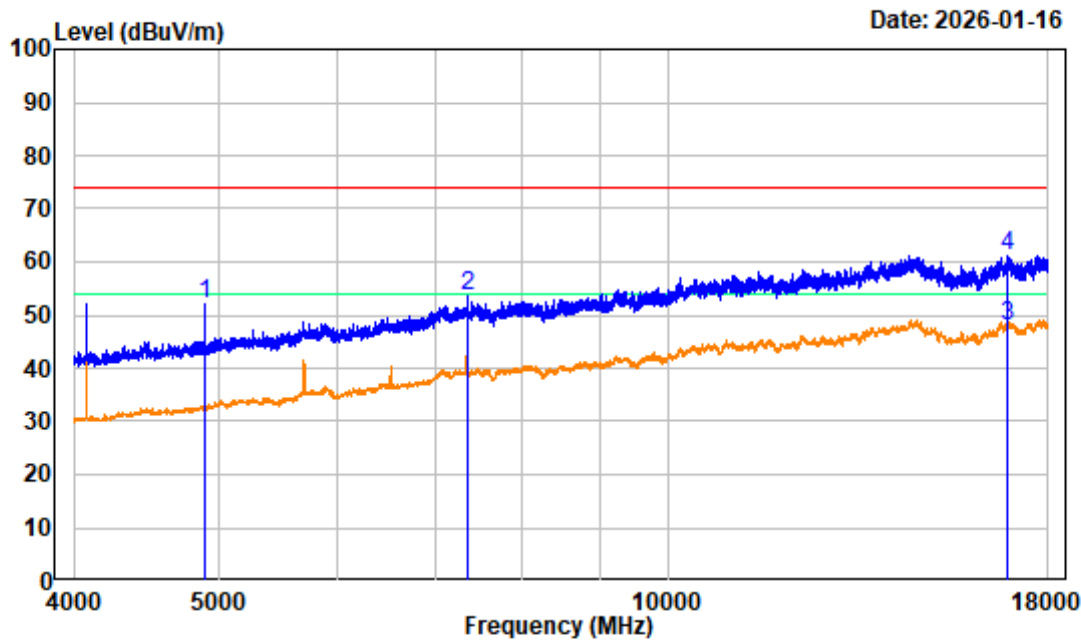
2.4G SRD Middle Channel 1GHz-4GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD Middle Channel 2446MHz 1GHz-4GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3261.625	-9.92	63.08	53.16	74.00	-20.84	Peak

2.4G SRD Middle Channel 4GHz-18GHz_HORIZONTAL



Site : chamber

Condition : 3m HORIZONTAL

Project No.: 2604P40770E-RF

Test Mode : Transmitting

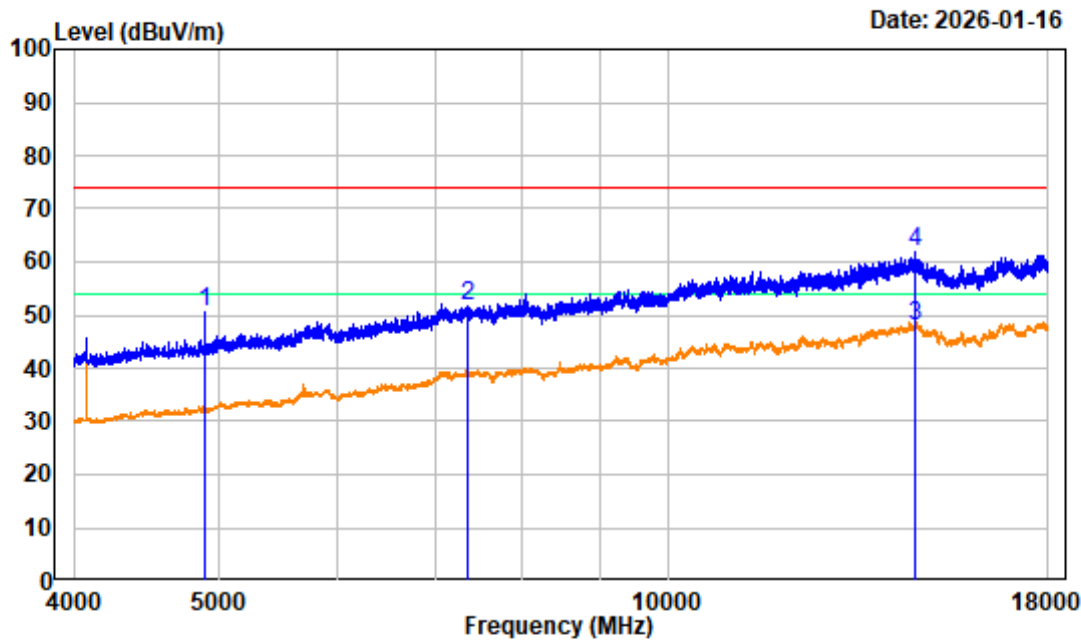
Tester:Colin Lin

Note : 2.4G SRD Middle Channel 2446MHz 4GHz-18GHz

SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4892.000	-6.55	58.69	52.14	74.00	-21.86	Peak
2	7338.000	-1.21	54.73	53.52	74.00	-20.48	Peak
3	16885.250	7.92	39.85	47.77	54.00	-6.23	Average
4	16885.250	7.92	53.37	61.29	74.00	-12.71	Peak

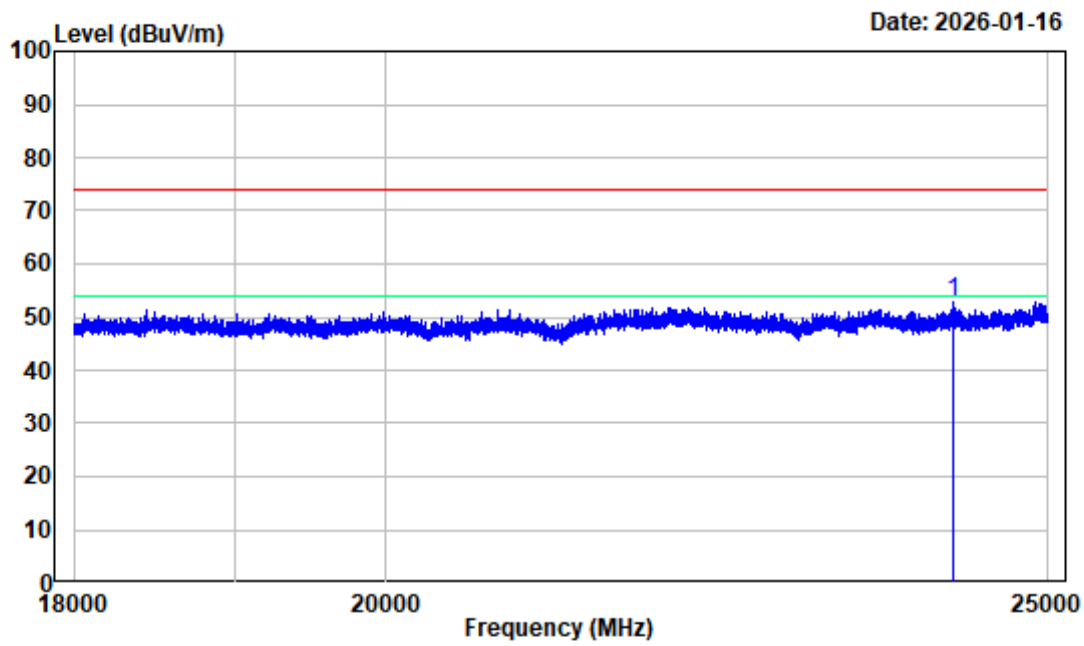
2.4G SRD Middle Channel 4GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD Middle Channel 2446MHz 4GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4892.000	-6.55	57.03	50.48	74.00	-23.52	Peak
2	7338.000	-1.21	53.02	51.81	74.00	-22.19	Peak
3	14661.000	8.61	39.32	47.93	54.00	-6.07	Average
4	14661.000	8.61	53.24	61.85	74.00	-12.15	Peak

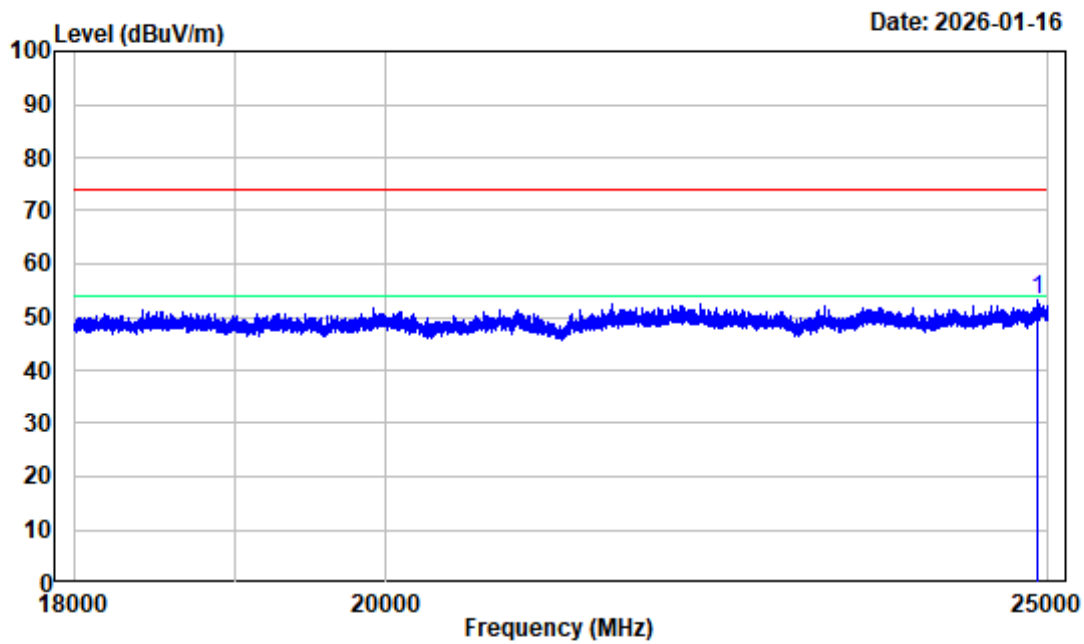
2.4G SRD Middle Channel 18GHz-25GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD Middle Channel 2446MHz 18GHz-25GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 24205.500	2.82	50.04	52.86	74.00	-21.14	Peak

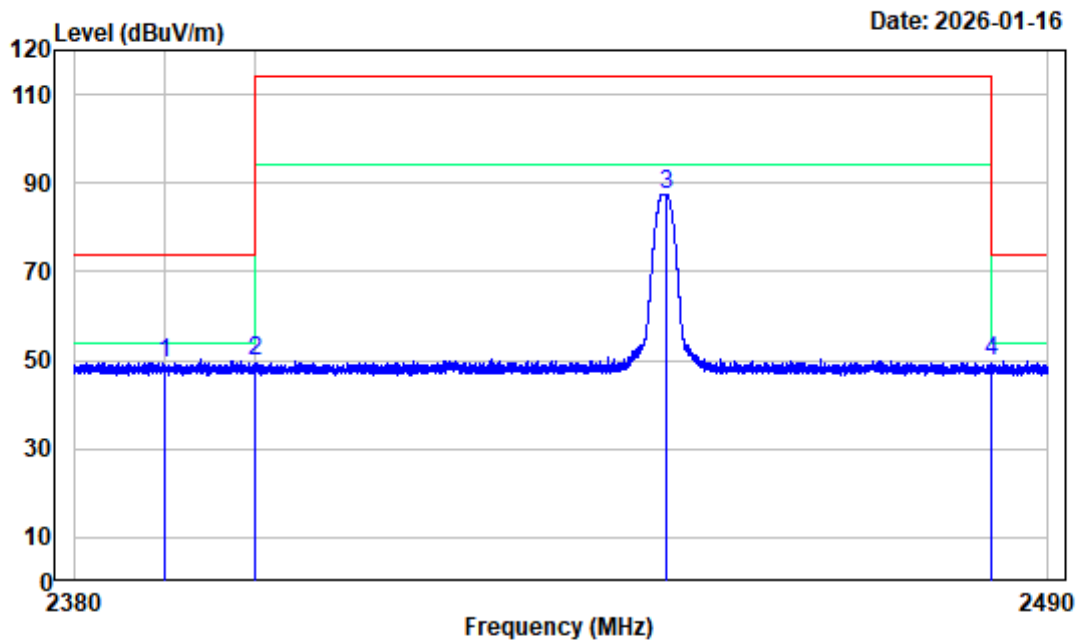
2.4G SRD Middle Channel 18GHz-25GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD Middle Channel 2446MHz 18GHz-25GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz

		Read		Limit	Over	Remark
Freq	Factor	Level	Level	Line	Limit	
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 24907.250	4.12	49.26	53.38	74.00	-20.62	Peak

2.4G SRD Middle Channel Bandedge And Fundamental_HORIZONTAL



Site : chamber

Condition : 3m HORIZONTAL

Project No.: 2604P40770E-RF

Test Mode : Transmitting

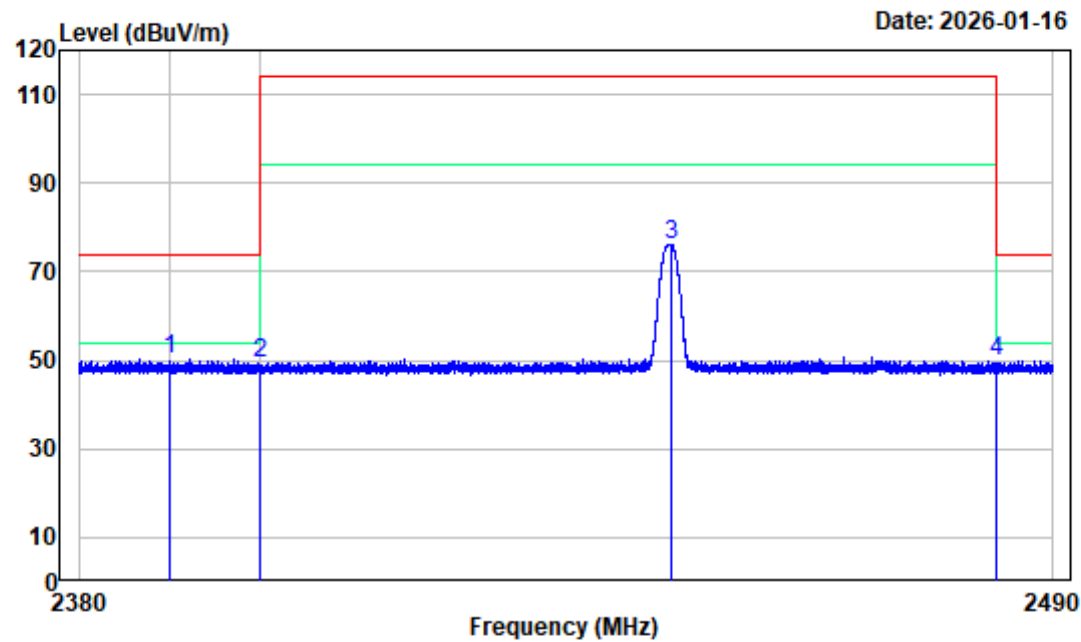
Tester:Colin Lin

Note : 2.4G SRD Middle Channel 2446MHz Bandedge

SA setting : Peak:RBW:1MHz,VBW:3MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2390.000	-10.25	59.82	49.57	74.00	-24.43	Peak
2	2400.000	-10.29	59.93	49.64	74.00	-24.36	Peak
3	2446.289	-10.19	97.70	87.51	114.00	-26.49	Peak
4	2483.500	-10.23	60.01	49.78	74.00	-24.22	Peak

2.4G SRD Middle Channel Bandedge And Fundamental_VERTICAL



Site : chamber

Condition : 3m VERTICAL

Project No.: 2604P40770E-RF

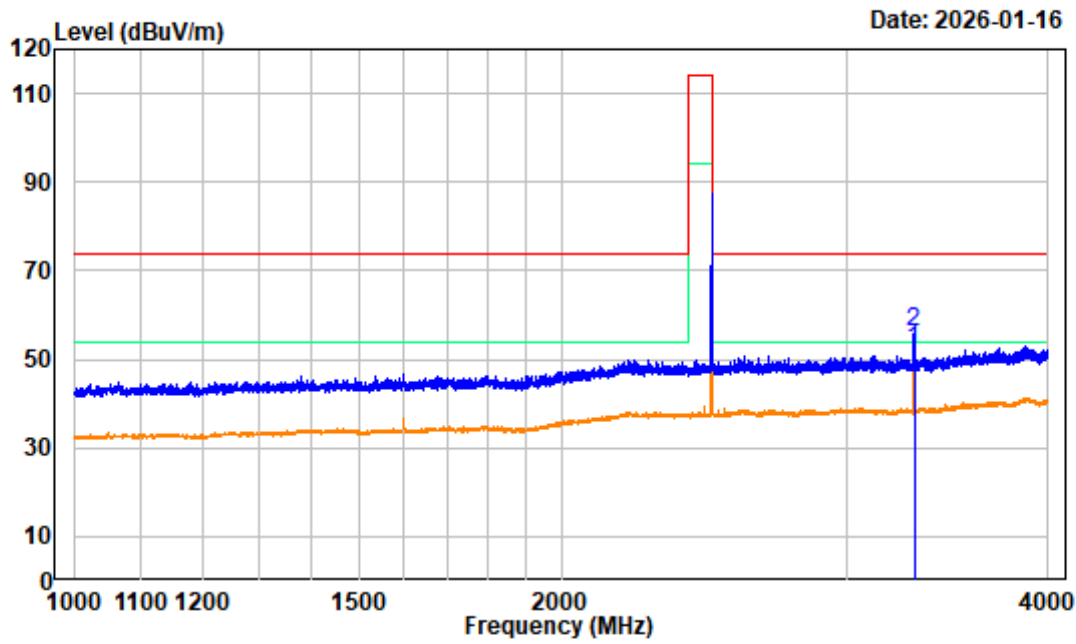
Test Mode : TransmittingTester:Colin Lin

Note : 2.4G SRD Middle Channel 2446MHz Bandedge

SA setting : Peak:RBW:1MHz,VBW:3MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2390.000	-10.25	60.40	50.15	74.00	-23.85	Peak
2	2400.000	-10.29	59.74	49.45	74.00	-24.55	Peak
3	2446.261	-10.19	86.23	76.04	114.00	-37.96	Peak
4	2483.500	-10.23	59.93	49.70	74.00	-24.30	Peak

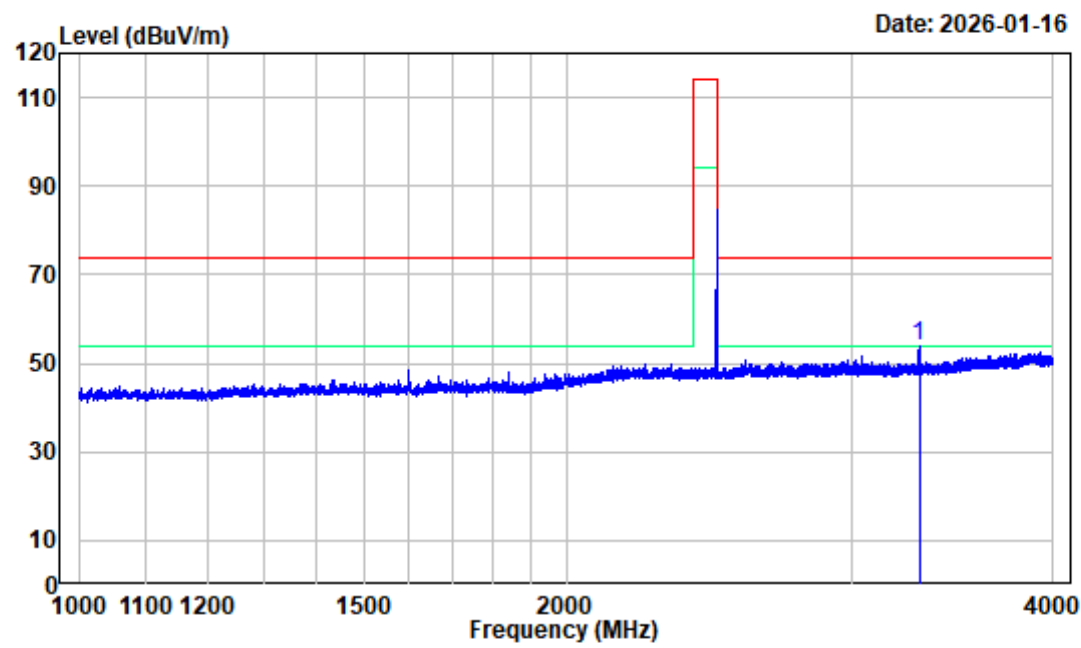
2.4G SRD High Channel 1GHz-4GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD High Channel 2479MHz 1GHz-4GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3305.875	-10.06	62.03	51.97	54.00	-2.03	Average
2	3305.875	-10.06	65.98	55.92	74.00	-18.08	Peak

2.4G SRD High Channel 1GHz-4GHz_VERTICAL



Site : chamber

Condition : 3m VERTICAL

Project No.: 2604P40770E-RF

Test Mode : Transmitting

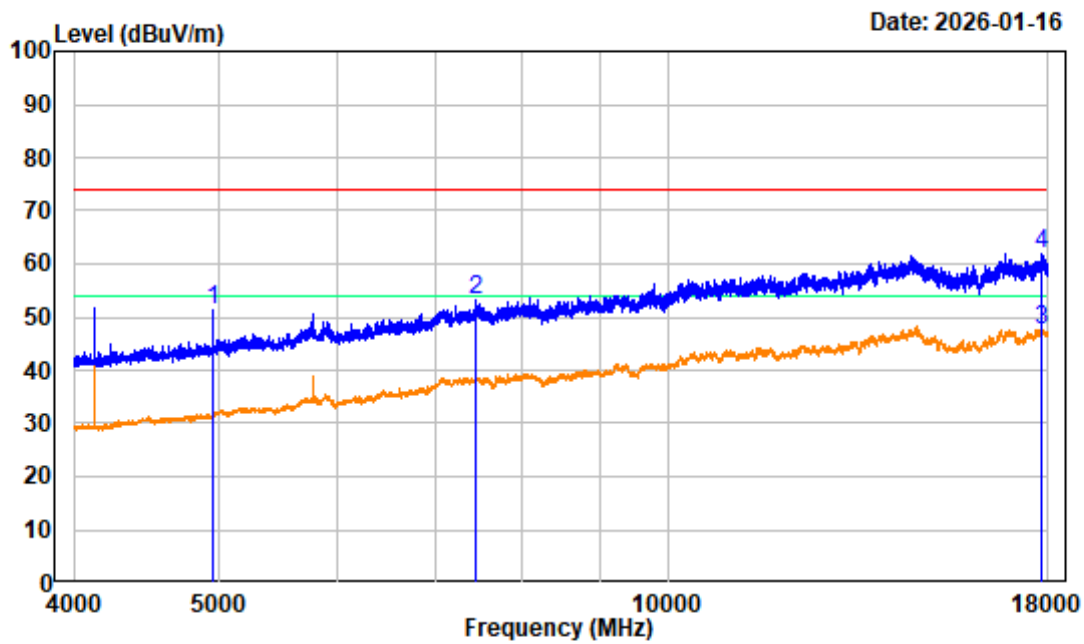
Tester:Colin Lin

Note : 2.4G SRD High Channel 2479MHz 1GHz-4GHz

SA setting : Peak:RBW:1MHz,VBW:3MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3305.875	-10.06	63.76	53.70	74.00	-20.30	Peak

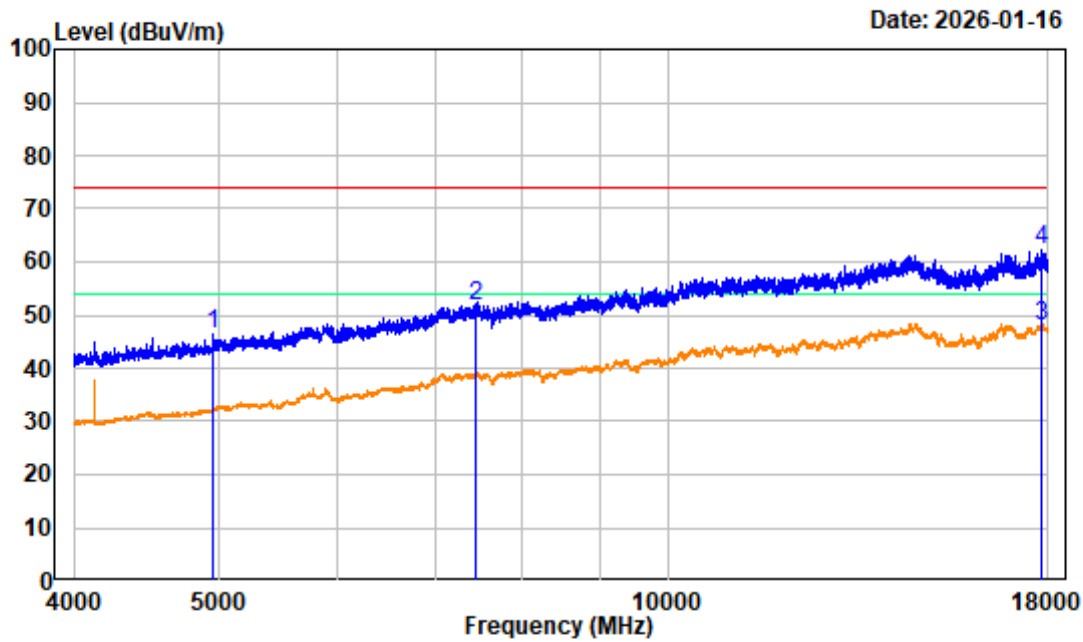
2.4G SRD High Channel 4GHz-18GHz_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD High Channel 2479MHz 4GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4958.000	-6.34	57.76	51.42	74.00	-22.58	Peak
2	7437.000	-1.00	54.05	53.05	74.00	-20.95	Peak
3	17826.750	7.98	39.46	47.44	54.00	-6.56	Average
4	17826.750	7.98	53.78	61.76	74.00	-12.24	Peak

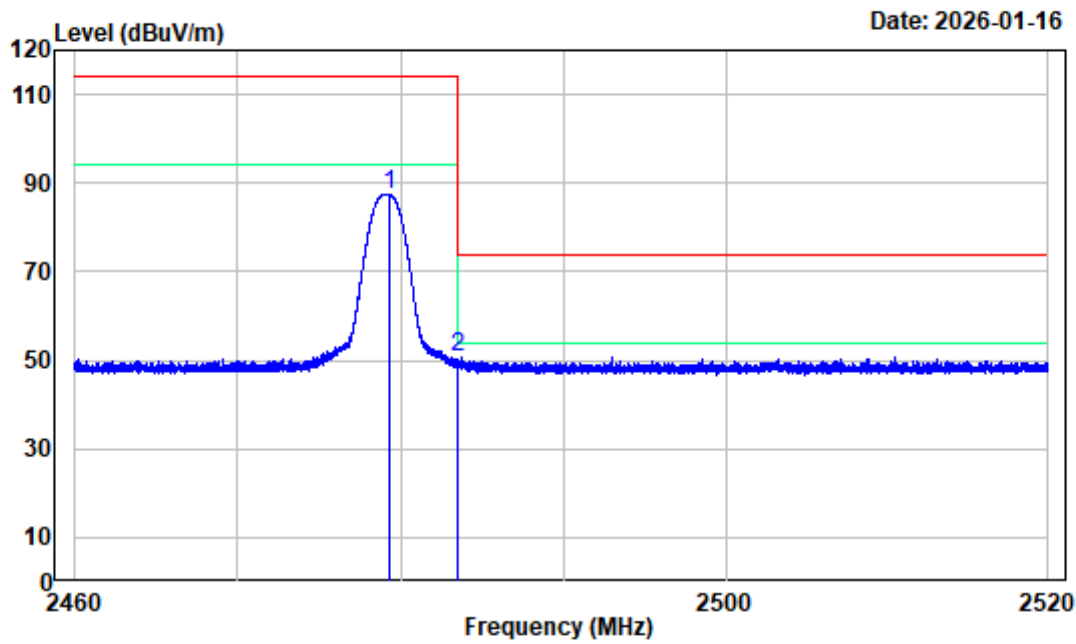
2.4G SRD High Channel 4GHz-18GHz_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD High Channel 2479MHz 4GHz-18GHz
SA setting : Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4958.000	-6.34	52.57	46.23	74.00	-27.77	Peak
2	7437.000	-1.00	52.70	51.70	74.00	-22.30	Peak
3	17793.500	7.61	40.31	47.92	54.00	-6.08	Average
4	17793.500	7.61	54.53	62.14	74.00	-11.86	Peak

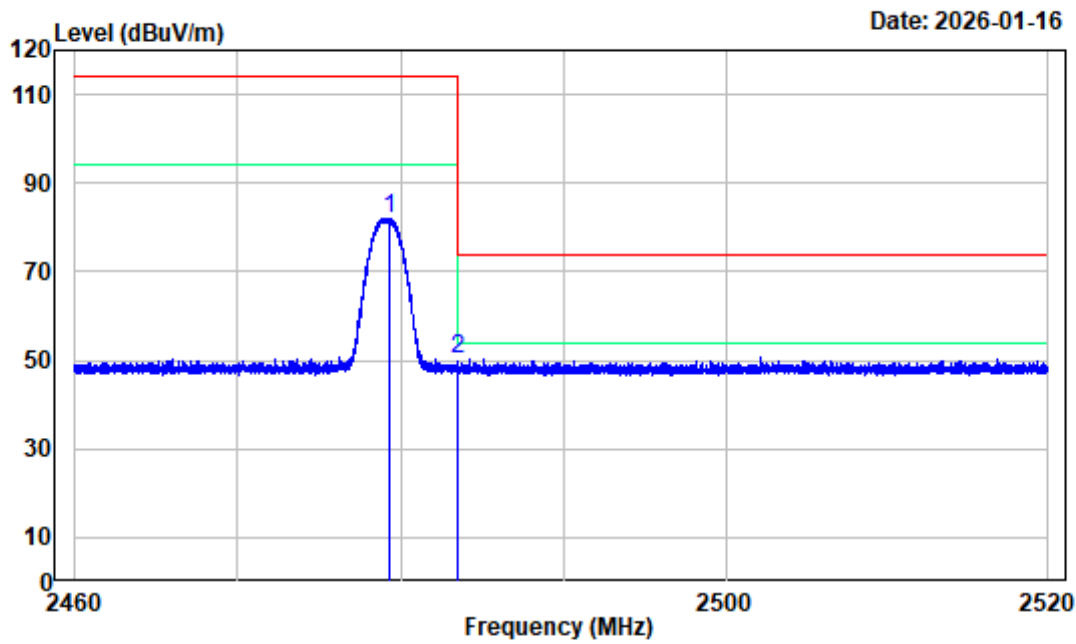
2.4G SRD High Channel Bandedge And Fundamental_HORIZONTAL



Site : chamber
Condition : 3m HORIZONTAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD High Channel 2479MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz

Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1 2479.305	-10.23	97.60	87.37	114.00	-26.63	Peak
2 2483.500	-10.23	61.03	50.80	74.00	-23.20	Peak

2.4G SRD High Channel Bandedge And Fundamental_VERTICAL



Site : chamber
Condition : 3m VERTICAL
Project No.: 2604P40770E-RF
Test Mode : Transmitting Tester:Colin Lin
Note : 2.4G SRD High Channel 2479MHz Bandedge
SA setting : Peak:RBW:1MHz,VBW:3MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2479.268	-10.23	92.29	82.06	114.00	-31.94	Peak
2	2483.500	-10.23	60.72	50.49	74.00	-23.51	Peak

20dB EMISSION BANDWIDTH

Applicable Standard

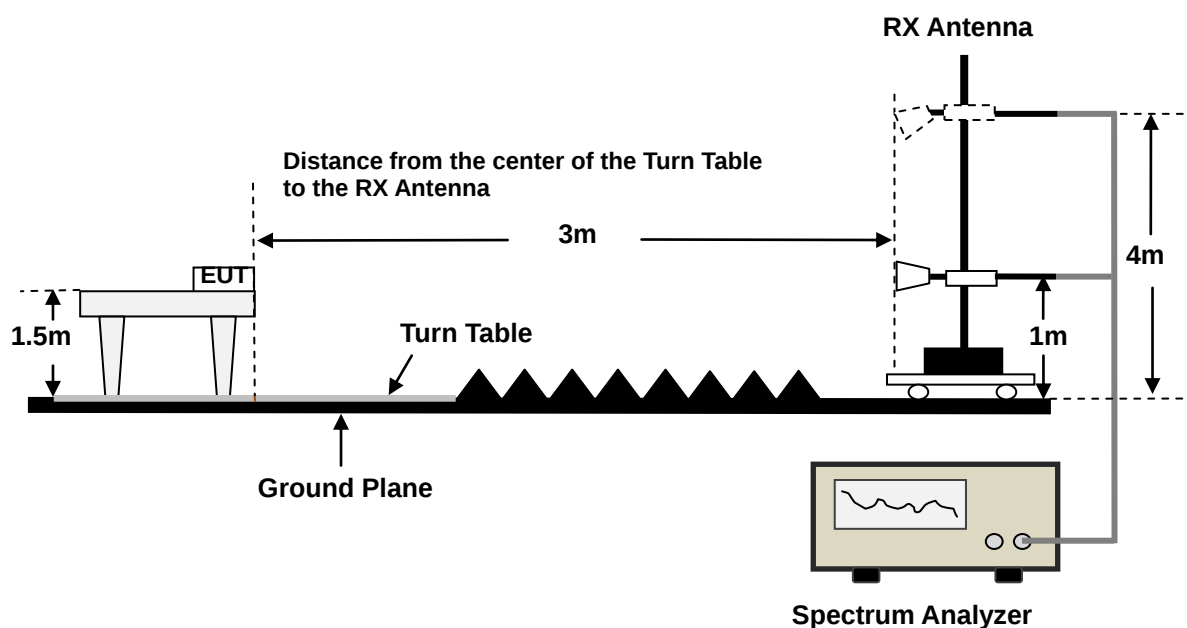
According to FCC§15.215(c),

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. The EUT is setting to the transmit mode, the waveform was received by the test antenna which was connected to the spectrum analyzer, plot the 20 dB bandwidth.
3. Repeat above procedures until all frequencies measured were complete.

EUT Setup



Test Data

Environmental Conditions

Temperature:	20.8 °C
Relative Humidity:	53 %
ATM Pressure:	101.8 kPa
TestEngineer:	Colin Lin
TestDate:	2026-01-19
EUT Operation Mode:	Transmitting

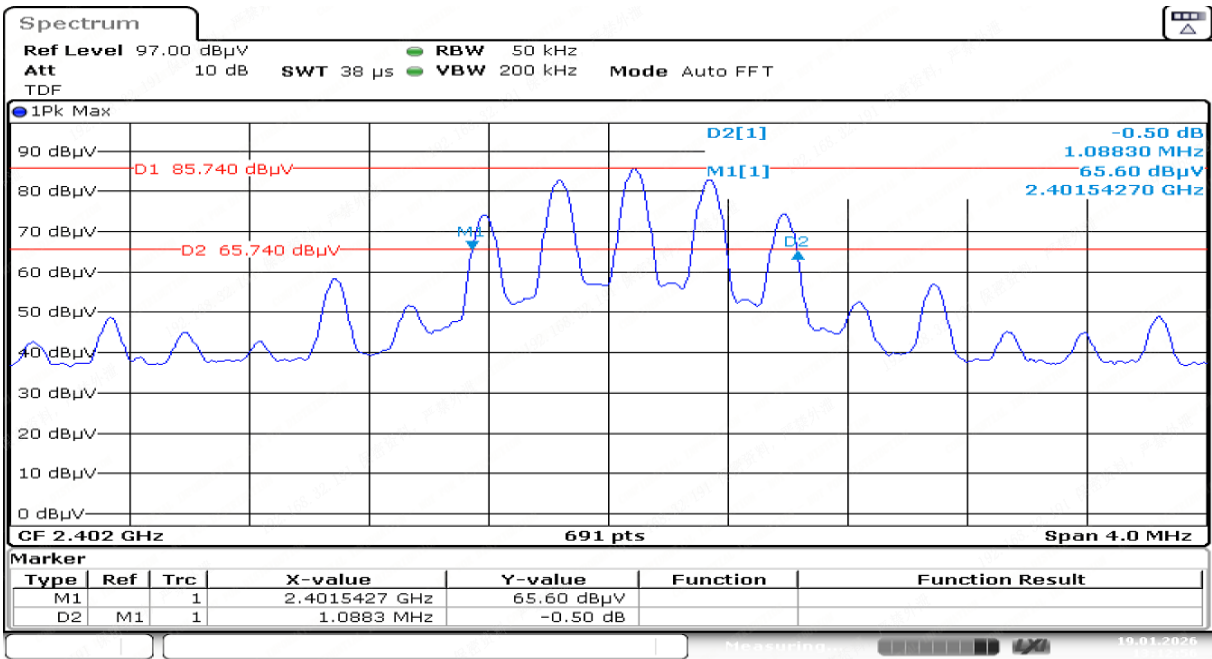
Test Result: Compliance, please refer to the below data.

20dB EMISSION BANDWIDTH

Channel	Frequency (MHz)	20dB Bandwidth (MHz)
Low	2402	1.0883
Middle	2446	1.0825
High	2479	1.0825

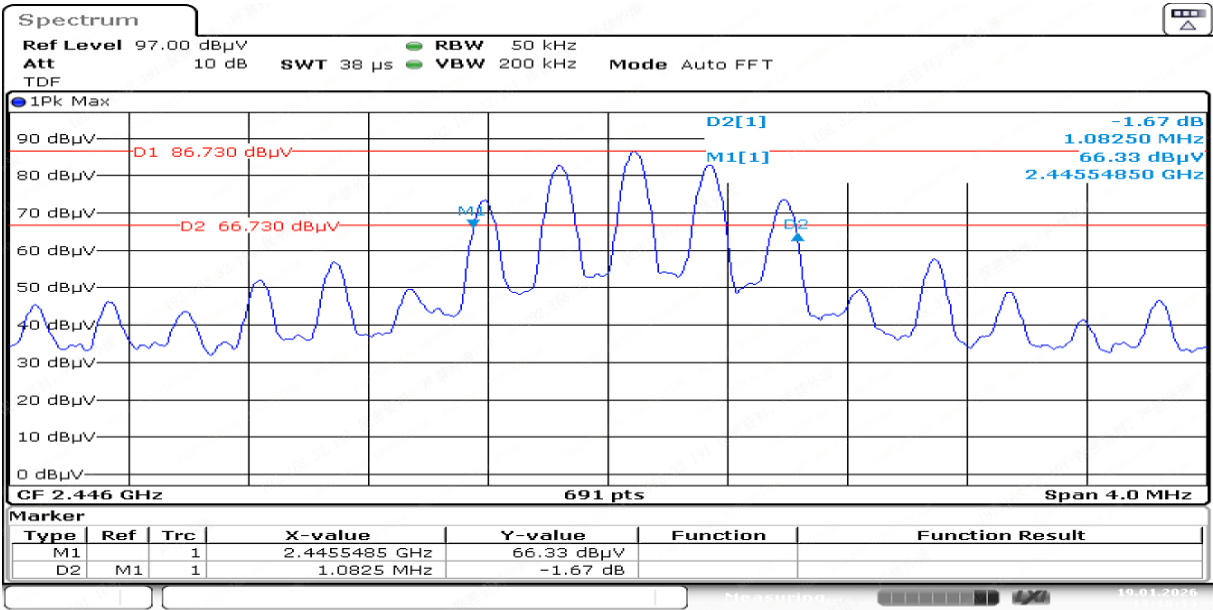
20dB EMISSION BANDWIDTH

Low Channel



ProjectNo.:2604P40770E-RF Tester:Colin Lin
Date: 19.JAN.2026 13:12:57

Middle Channel



High Channel

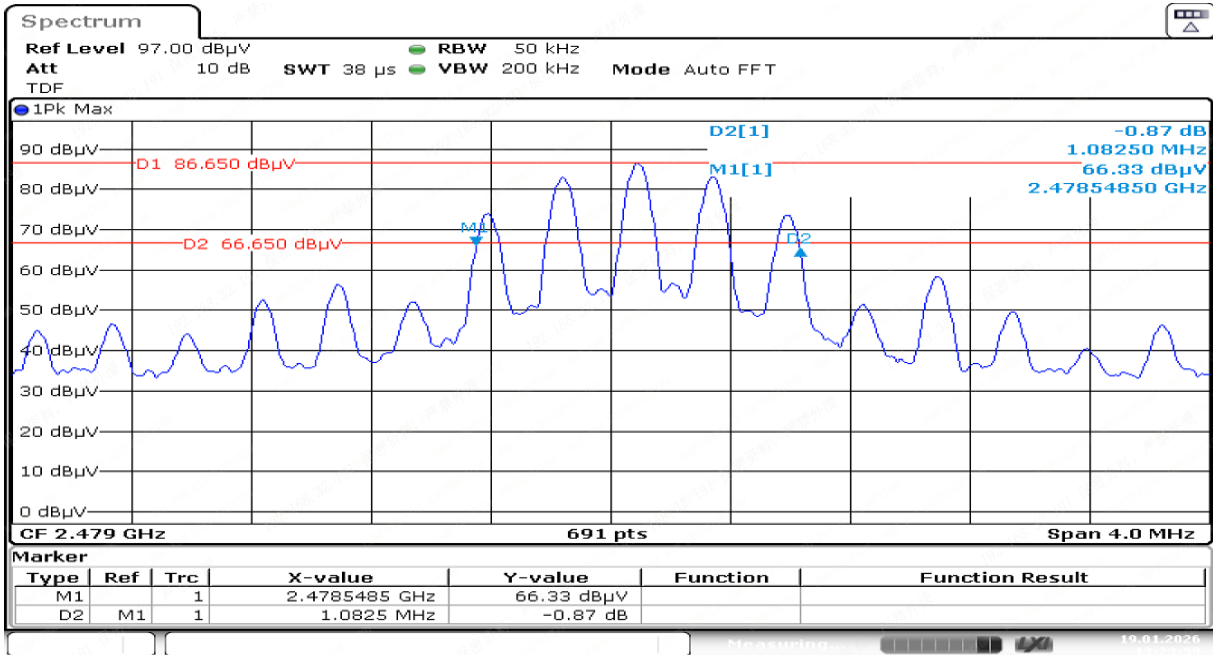


EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2604P40770E-RF EUT External Photos and Attachment No.2 2604P40770E-RF EUT Internal Photos.

EXHIBIT B-TEST SETUP PHOTOGRAPHS

Please refer to the Attachment No.3 2604P40770E-RF Test Photos.

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