

TEST REPORT

Applicant: HuNan FuYao Electronic Technology Co., Ltd

Address: Steel Market 1-20 # 113, TianXin District, ChangSha City, HuNan Province, China

FCC ID: 2BNX9-K98

Product Name: K98

Standard(s): 47 CFR Part 15, Subpart C(15.249)
ANSI C63.10-2020

The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: 2603S01477E-RF-00B

Date Of Issue: 2026/5/8

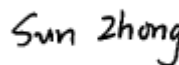
Reviewed By: Calvin Chen

Title: RF Test Supervisor



Approved By: Sun Zhong

Title: Manager



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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the Room 101 & 201, Building 2, 256 Pingdong Road, Dalang Town, Dongguan City, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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Each test item follows the test standard(s) without deviation.

CONTENTS

DOCUMENT REVISION HISTORY.....	4
1. GENERAL INFORMATION.....	5
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
1.2 DESCRIPTION OF TEST CONFIGURATION.....	6
1.2.1 EUT Operation Condition:	6
1.2.2 Support Equipment List and Details	6
1.2.3 Support Cable List and Details	6
1.2.4 Block Diagram of Test Setup	7
1.3 MEASUREMENT UNCERTAINTY	8
2. SUMMARY OF TEST RESULTS	9
3. REQUIREMENTS AND TEST PROCEDURES	10
3.1 AC LINE CONDUCTED EMISSIONS.....	10
3.1.1 Applicable Standard.....	10
3.1.2 EUT Setup.....	11
3.1.3 EMI Test Receiver Setup	11
3.1.4 Test Procedure	12
3.1.5 Corrected Amplitude & Margin Calculation.....	12
3.2 RADIATED EMISSIONS	13
3.2.1 Applicable Standard.....	13
3.2.2 EUT Setup.....	13
3.2.3 EMI Test Receiver & Spectrum Analyzer Setup	15
3.2.4 Test Procedure	15
3.2.5 Corrected Amplitude & Margin Calculation.....	16
3.3 20 dB EMISSION BANDWIDTH	17
3.3.1 Applicable Standard.....	17
3.3.2 EUT Setup.....	17
3.3.3 Test Procedure	17
3.4 ANTENNA REQUIREMENT.....	19
3.4.1 Applicable Standard.....	19
3.4.2 Judgment.....	19
4. Test DATA AND RESULTS	20
4.1 AC LINE CONDUCTED EMISSIONS.....	20
4.2 RADIATION SPURIOUS EMISSIONS.....	23
4.2.1 9 kHz – 1 GHz	23
4.2.2 1 GHz – 25 GHz	32
4.3 20 dB EMISSION BANDWIDTH:	46
5. EUT PHOTOGRAPHS	48
6. TEST SETUP PHOTOGRAPHS	49

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2603S01477E-RF-00B	Original Report	2026/5/8

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	K98
Trade Name:	MMViCTY
EUT Model:	K98
Operation Frequency:	2402-2478 MHz
Maximum E-field:	94.76 dB μ V/m @3m
Modulation Type:	GFSK
Rated Input Voltage:	DC 5V from USB or DC 3.7V from battery
Sample Number:	3JW5-5 (for RF Conducted Test) 3JW5-1 (for Conducted emissions & Radiated Spurious Emissions Test)
EUT Received Date:	2026/4/14
EUT Received Status:	Good

Operation Frequency Detail:

Operation Frequency Detail:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	...	...
...	...	...	...
...	...	...	...
...	...	38	2478
19	2440	/	/

Per section 15.31(m), the below frequencies were performed the test as below:

Test Channel	Frequency (MHz)
Lowest	2402
Middle	2440
Highest	2478

Antenna Information Detail ▲ :

Antenna Type	input impedance (Ohm)	Frequency Range (MHz)	Antenna Gain (dBi)
PCB	50	2402-2478	2.96

The Method of §15.203 Compliance:

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

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
USB Cable	/	/	Shielded with ferrite core, 1.45m

1.2 Description of Test Configuration**1.2.1 EUT Operation Condition:**

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.		
Equipment Modifications:	No		
EUT Exercise Software:	No		
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:			
Test Modes	Power Level Setting		
	Lowest Channel	Middle Channel	Highest Channel
SRD	Default	Default	Default

1.2.2 Support Equipment List and Details

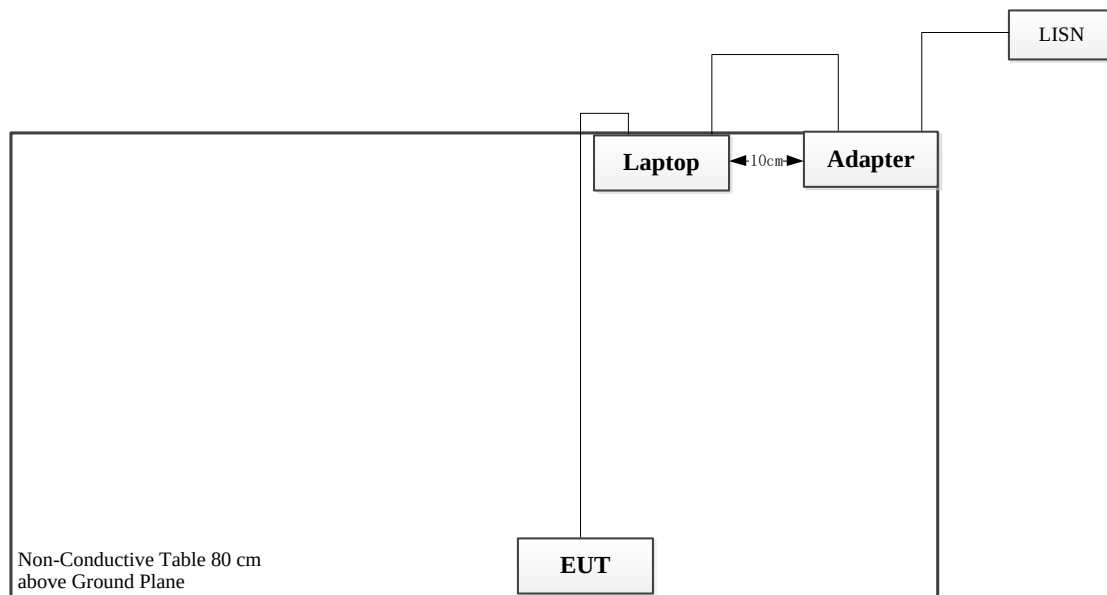
Manufacturer	Description	Model	Serial Number
Lenovo	Adapter	ADLX65NLC3A	45NO495
Lenovo	Laptop	T460S	60PDTEK8

1.2.3 Support Cable List and Details

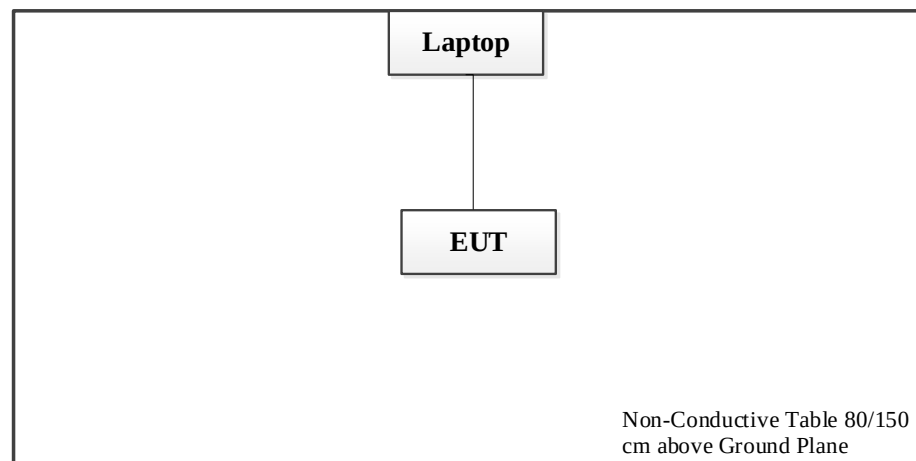
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	No	No	1.45	EUT	Laptop
Power Cable	No	No	0.8	Adapter	Laptop

1.2.4 Block Diagram of Test Setup

AC line conducted emissions:



Spurious emissions:



1.3 Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	$\pm 5\%$
Unwanted Emissions, radiated	9kHz~30MHz: 4.12dB, 30M~200MHz: 3.89 dB, 200M~1GHz: 5.09 dB, 1G~6GHz: 5.12 dB, 6G~18GHz: 5.73 dB, 18G~26.5G:5.47 dB,26.5G~40G:5.63 dB
Temperature	$\pm 1^{\circ}\text{C}$
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 0.4\%$
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

Standard(s)/Rule(s)	Description of Test	Result
§15.207(a)	Conduction Emissions	Compliant
15.205, §15.209, §15.249	Radiated Emissions	Compliant
§15.215 (c)	20 dB Bandwidth	Compliant
§15.203	Antenna Requirement	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC §15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

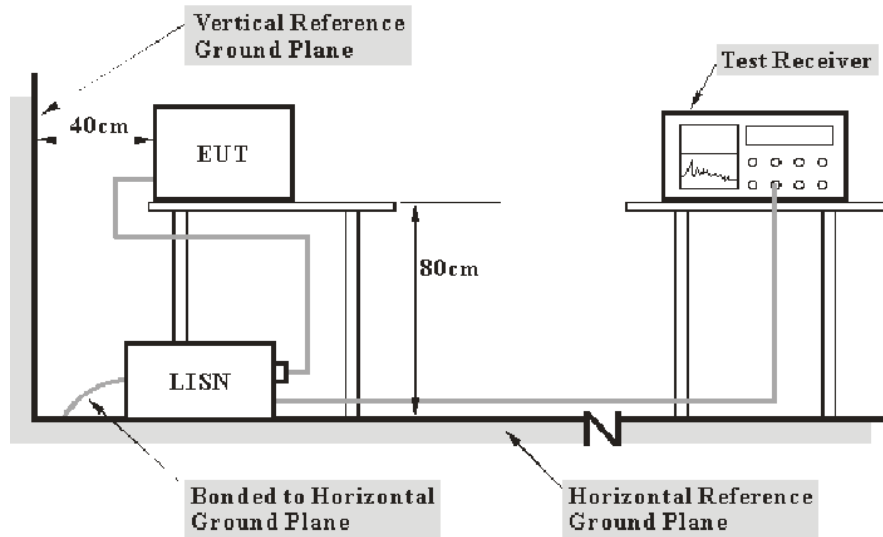
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ H/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

3.1.2 EUT Setup



Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

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.

3.1.3 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

3.1.4 Test Procedure

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

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase (“hot”) line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = attenuation caused by cable loss + voltage division factor of AMN

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.2 Radiated Emissions

3.2.1 Applicable Standard

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:

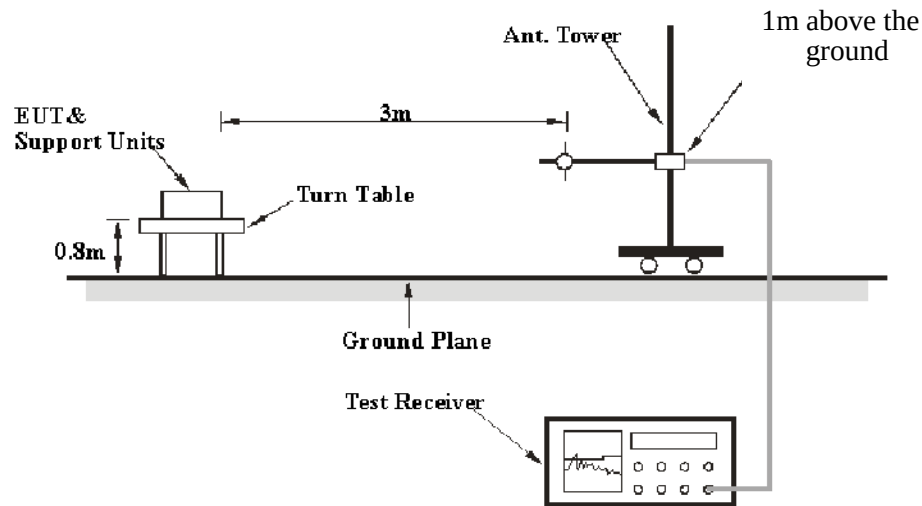
Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902–928 MHz	50	500
2400–2483.5 MHz	50	500
5725–5875 MHz	50	500
24.0–24.25 GHz	250	2500

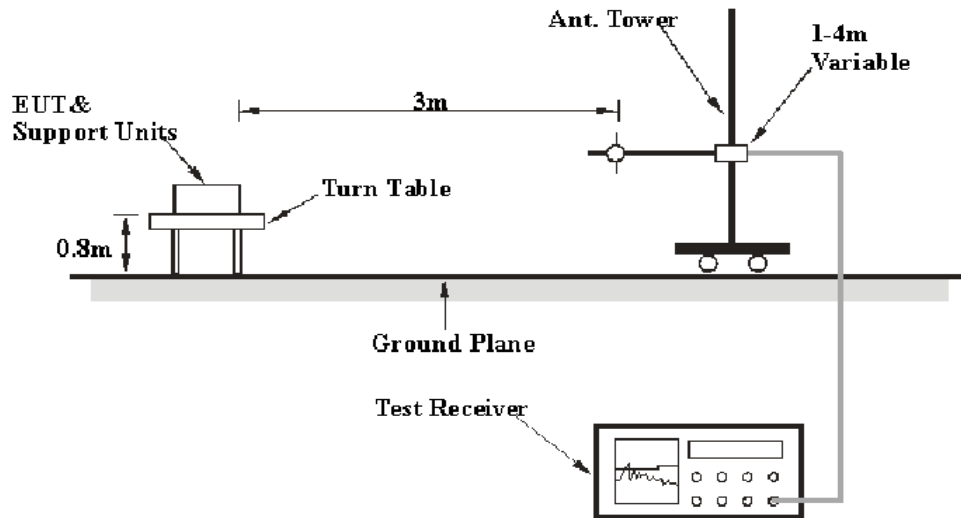
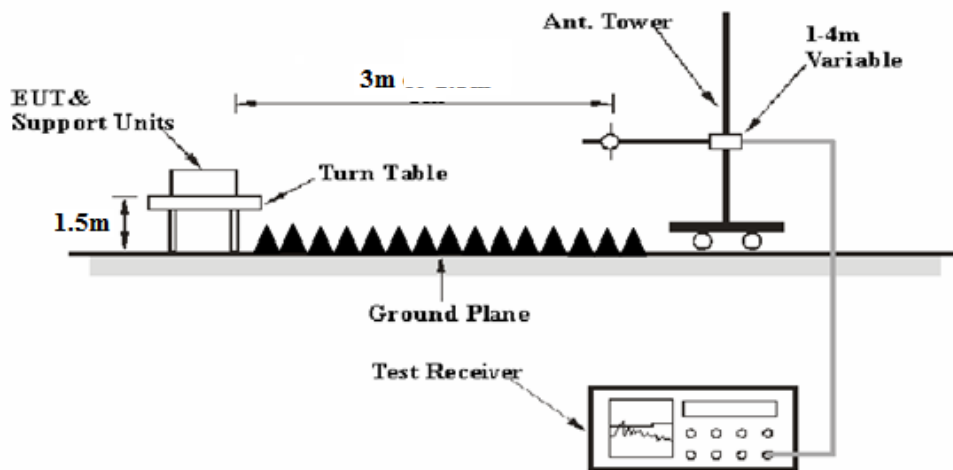
As per FCC §15.249 (c), Field strength limits are specified at a distance of 3 meters.

(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.

3.2.2 EUT Setup

9kHz~30MHz:



30MHz~1GHz:**Above 1GHz:**

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

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9kHz to 25 GHz.

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

Frequency Range	RBW	Video B/W	IF B/W	Detector	Measurement
9 kHz – 150 kHz	200 Hz	1 kHz	/	Peak	PK
	/	/	200 Hz	Quasi Peak/ Average	QP/AV
150 kHz – 30 MHz	9 kHz	30 kHz	/	Peak	PK
	/	/	9 kHz	Quasi Peak/ Average	QP/AV
30MHz – 1000 MHz	120 kHz	500 kHz	/	Peak	PK
	/	/	120kHz	Quasi Peak	QP

1GHz – 25GHz:

Pre-scan:

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

Final measurement for emission identified during the pre-scan:

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

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

The spurious emissions which below the limit more than 20dB was not be recorded.

3.2.4 Test Procedure

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

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz-1 GHz except 9 – 90 kHz, 110 – 490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

All emissions under the average limit and under the noise floor have not recorded in the report.

3.2.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$\text{Result} = \text{Reading} + \text{Factor}$$

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

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Result}$$

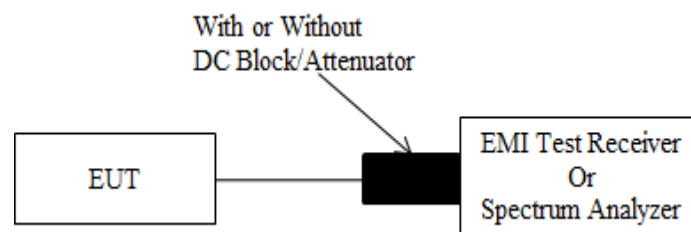
3.3 20 dB Emission Bandwidth

3.3.1 Applicable Standard

FCC §15.215

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.

3.3.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, the insert loss of this RF cable/attenuator was offset into the setting of test equipment.

3.3.3 Test Procedure

According to ANSI C63.10-2020 Section 6.9.2

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be at least three times RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (\text{OBW}/\text{RBW})]$ below the reference level. Specific guidance is given in 4.1.6.2.
- d) Steps a) through c) might require iteration to adjust within the specified tolerances.
- e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target “-xx dB down” requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.
- f) Set detection mode to peak and trace mode to max-hold.
- g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).

- h) Determine the “-xx dB down amplitude” using [(reference value) - xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument.
- i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j).
- j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-xx dB down amplitude” determined in step h). If a marker is below this “-xx dB down amplitude” value, then it shall be as close as possible to this value. The dBc bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the “-xx dB down amplitude” determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.
- k) The dBc bandwidth shall be reported by providing spectral plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

3.4 Antenna Requirement

3.4.1 Applicable Standard

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

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

3.4.2 Judgment

Please refer to the Antenna Information detail in Section 1.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Sample Number:	3JW5-1	Test Date:	2026/4/18
Test Site:	CE	Test Mode:	Transmitting (maximum output power mode, middel channel)
Tester:	Ella Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.9	Relative Humidity: (%)	45	ATM Pressure: (kPa)	100.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101132	2025/9/26	2026/9/25
R&S	EMI Test Receiver	ESR3	103104	2025/5/9	2026/5/8
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2025/11/10	2026/11/9
Audix	Test Software	E3	191218 (V9)	N/A	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Project No.: 2603S01477E-RF

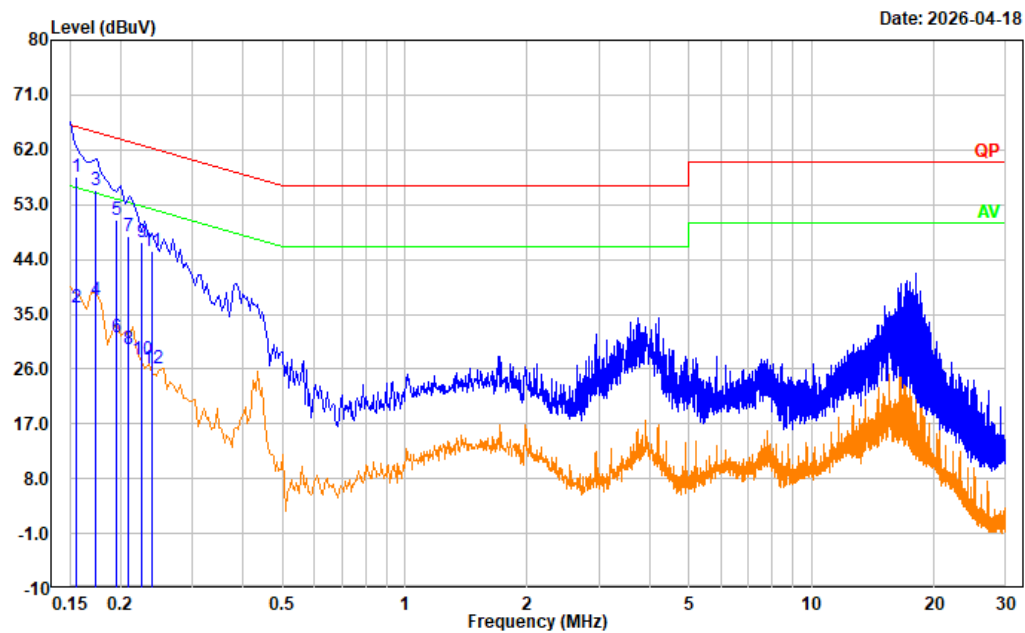
Tester: Ella Huang

Port: Line

Condition: RBW:9kHz

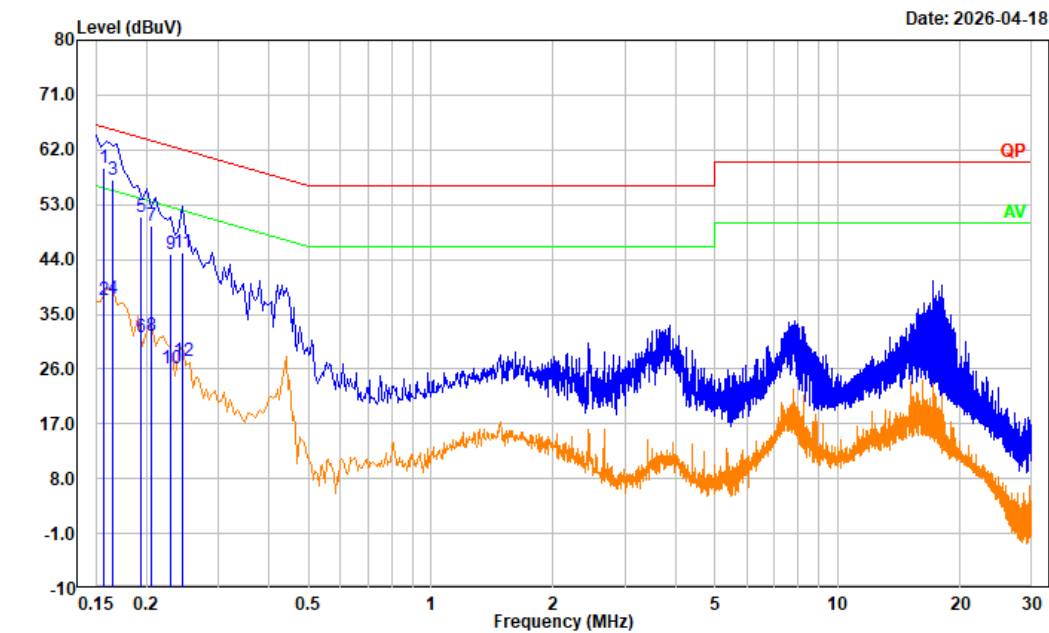
Test Mode: Transmitting

Note:



No.	Frequency (MHz)	Reading (dBUV)	Factor (dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Detector
1	0.156	47.17	10.37	57.54	65.68	8.14	QP
2	0.156	25.72	10.37	36.09	55.68	19.59	Average
3	0.173	45.05	10.27	55.32	64.81	9.49	QP
4	0.173	27.10	10.27	37.37	54.81	17.44	Average
5	0.195	40.36	10.14	50.50	63.82	13.32	QP
6	0.195	21.18	10.14	31.32	53.82	22.50	Average
7	0.208	37.76	10.12	47.88	63.27	15.39	QP
8	0.208	19.08	10.12	29.20	53.27	24.07	Average
9	0.225	36.69	10.13	46.82	62.64	15.82	QP
10	0.225	17.31	10.13	27.44	52.64	25.20	Average
11	0.239	35.25	10.15	45.40	62.15	16.75	QP
12	0.239	15.97	10.15	26.12	52.15	26.03	Average

Project No.: 2603S01477E-RF
Tester: Ella Huang
Port: neutral
Condition: RBW:9kHz
Test Mode: Transmitting
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.156	48.69	10.40	59.09	65.65	6.56	QP
2	0.156	26.89	10.40	37.29	55.65	18.36	Average
3	0.166	46.66	10.38	57.04	65.17	8.13	QP
4	0.166	27.26	10.38	37.64	55.17	17.53	Average
5	0.194	40.69	10.32	51.01	63.86	12.85	QP
6	0.194	20.91	10.32	31.23	53.86	22.63	Average
7	0.205	39.23	10.31	49.54	63.41	13.87	QP
8	0.205	21.27	10.31	31.58	53.41	21.83	Average
9	0.230	34.58	10.31	44.89	62.46	17.57	QP
10	0.230	15.82	10.31	26.13	52.46	26.33	Average
11	0.245	34.83	10.31	45.14	61.94	16.80	QP
12	0.245	17.04	10.31	27.35	51.94	24.59	Average

4.2 Radiation Spurious Emissions

4.2.1 9 kHz – 1 GHz

Sample Number	3JW5-1	Test Date:	2026/4/21
Test Site:	966-1	Test Mode:	Transmitting (maximum output power mode, middle channel)
Tester:	Jin He	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.7	Relative Humidity: (%)	55	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

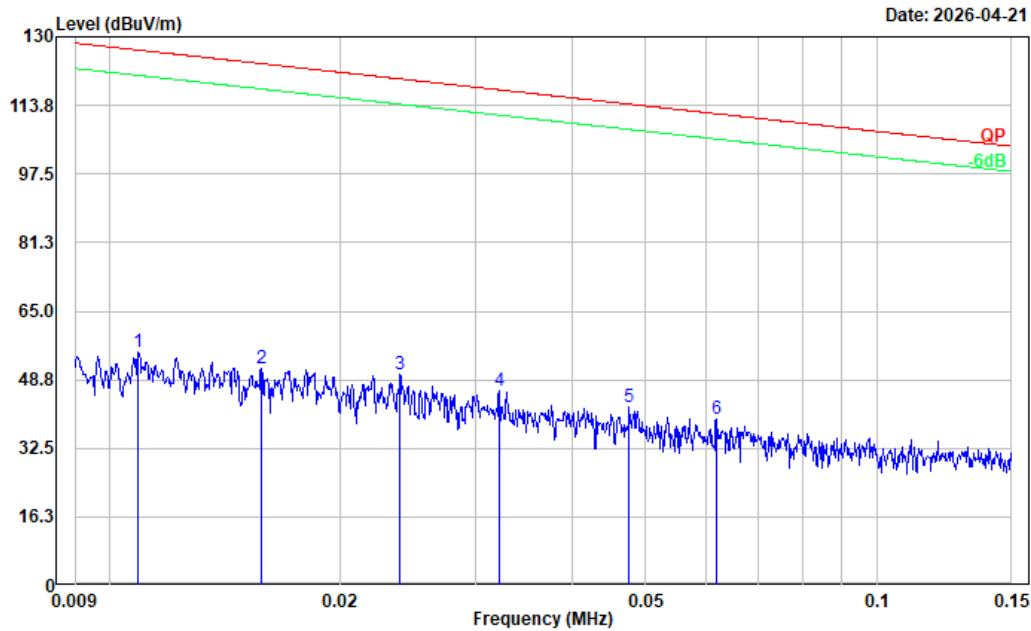
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2023/12/1	2026/11/30
GLOBAL	Loop Antenna	1313-1A	3110611	2023/12/4	2026/12/3
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2025/11/10	2026/11/9
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2025/11/10	2026/11/9
R&S	EMI Test Receiver	ESR3	102724	2026/2/27	2027/2/26
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2025/11/10	2026/11/9
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2025/11/10	2026/11/9
XQY	Coaxial Cable	XQY-CMR400UF-NJ-NJ-7M	24056379	2025/6/4	2026/6/3
Sonoma	Amplifier	310N	186165	2025/11/10	2026/11/9
Audix	Test Software	E3	191218 (V9)	N/A	N/A

*** Statement of Traceability:** China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

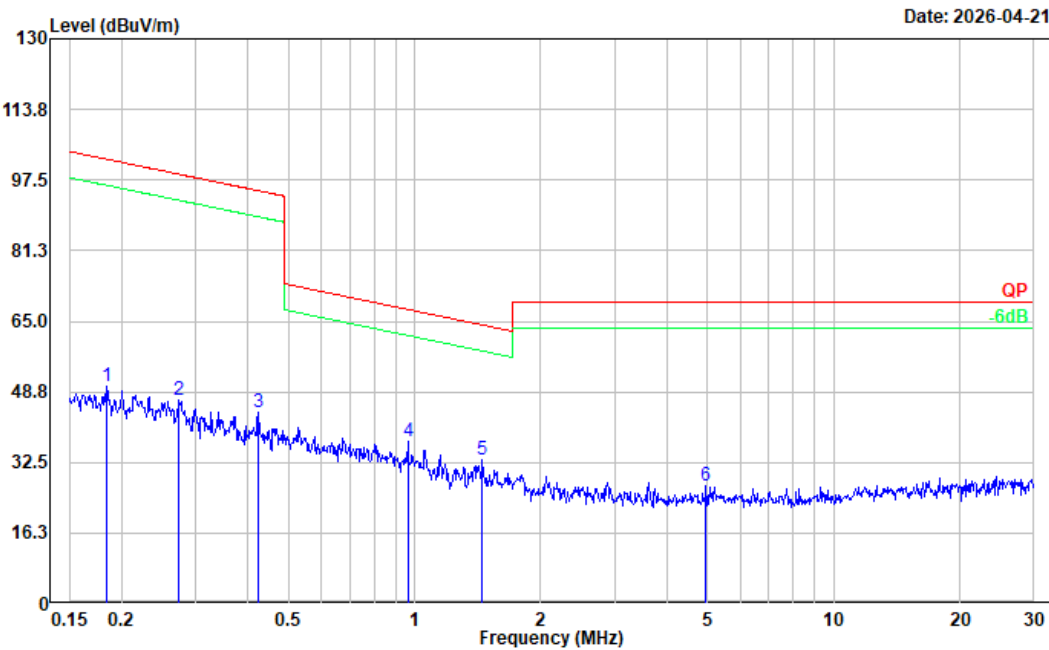
After pre-scan in the X, Y and Z axes of orientation, the worst case (Z axis) is below:

Project No.: 2603S01477E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Parallel
Note: Transmitting 15.249_SRD



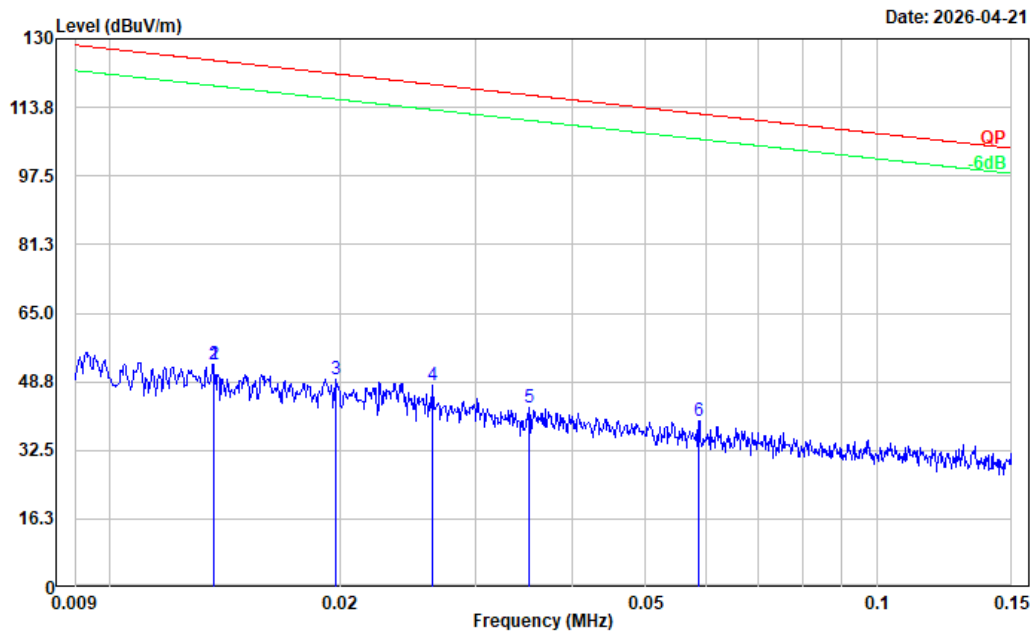
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.011	21.35	33.90	55.25	126.86	71.61	Peak
2	0.016	19.88	31.62	51.50	123.66	72.16	Peak
3	0.024	22.34	27.80	50.14	120.04	69.90	Peak
4	0.032	21.83	24.46	46.29	117.45	71.16	Peak
5	0.048	21.01	21.16	42.17	114.05	71.88	Peak
6	0.062	20.69	18.90	39.59	111.78	72.19	Peak

Project No.: 2603S01477E-RF
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Parallel
Note: Transmitting 15.249_SRD



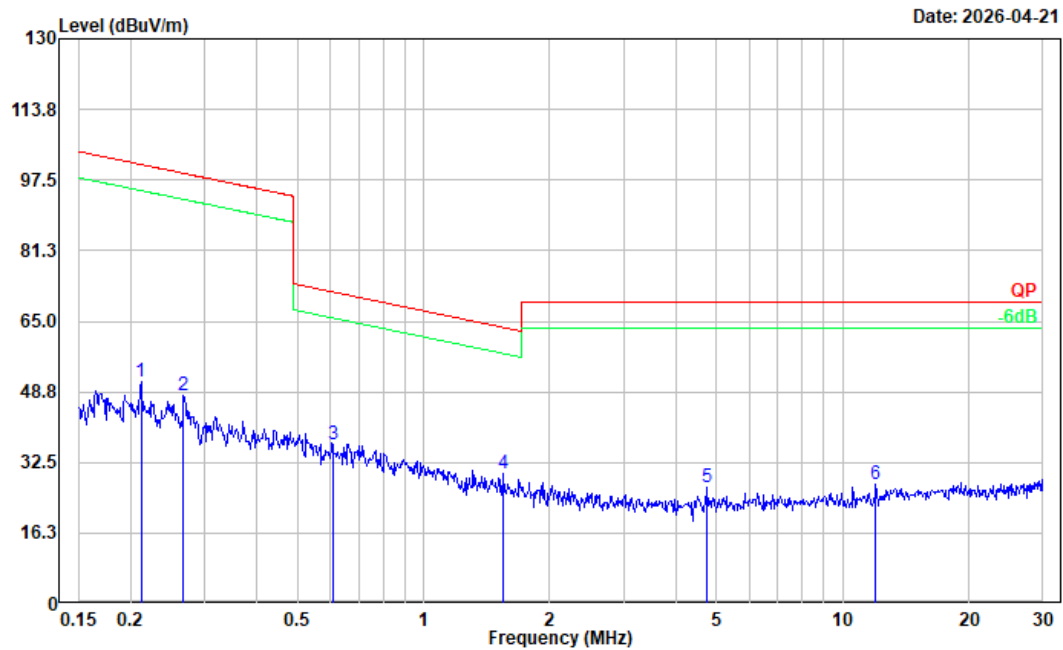
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.184	39.62	10.41	50.03	102.29	52.26	Peak
2	0.273	40.65	6.30	46.95	98.88	51.93	Peak
3	0.424	41.55	2.46	44.01	95.06	51.05	Peak
4	0.963	41.57	-4.09	37.48	67.80	30.32	Peak
5	1.449	38.95	-5.83	33.12	64.19	31.07	Peak
6	4.952	36.00	-8.93	27.07	69.54	42.47	Peak

Project No.: 2603S01477E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Perpendicular
Note: Transmitting 15.249_SRD



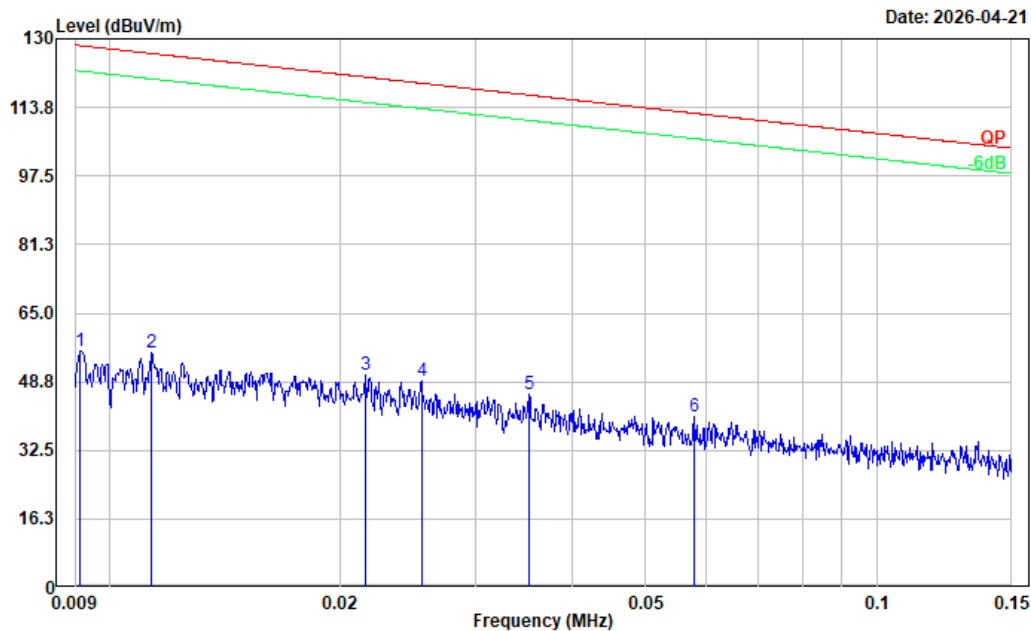
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.014	21.04	31.84	52.88	124.90	72.02	Peak
2	0.014	21.04	31.84	52.88	124.90	72.02	Peak
3	0.020	20.48	28.72	49.20	121.70	72.50	Peak
4	0.026	22.79	25.30	48.09	119.18	71.09	Peak
5	0.035	20.17	22.39	42.56	116.67	74.11	Peak
6	0.059	21.14	18.23	39.37	112.24	72.87	Peak

Project No.: 2603S01477E-RF
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Perpendicular
Note: Transmitting 15.249_SRD



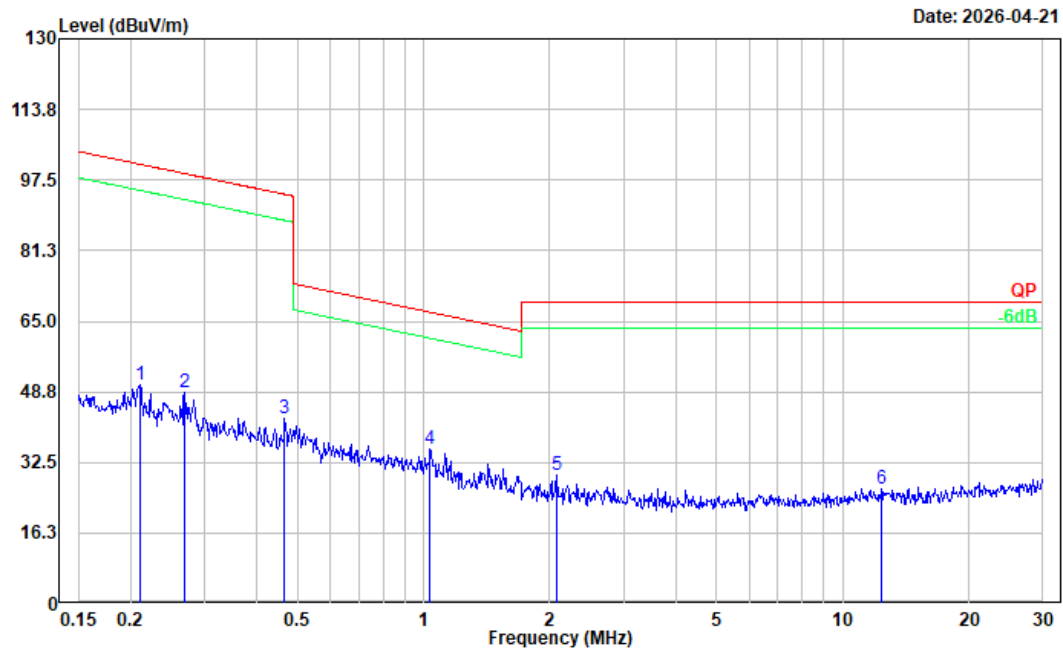
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.212	42.75	8.46	51.21	101.09	49.88	Peak
2	0.267	41.83	5.93	47.76	99.07	51.31	Peak
3	0.608	37.96	-1.28	36.68	71.89	35.21	Peak
4	1.552	37.04	-7.15	29.89	63.57	33.68	Peak
5	4.721	36.84	-10.00	26.84	69.54	42.70	Peak
6	11.996	36.48	-9.06	27.42	69.54	42.12	Peak

Project No.: 2603S01477E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Ground-Parallel
Note: Transmitting 15.249_SRD



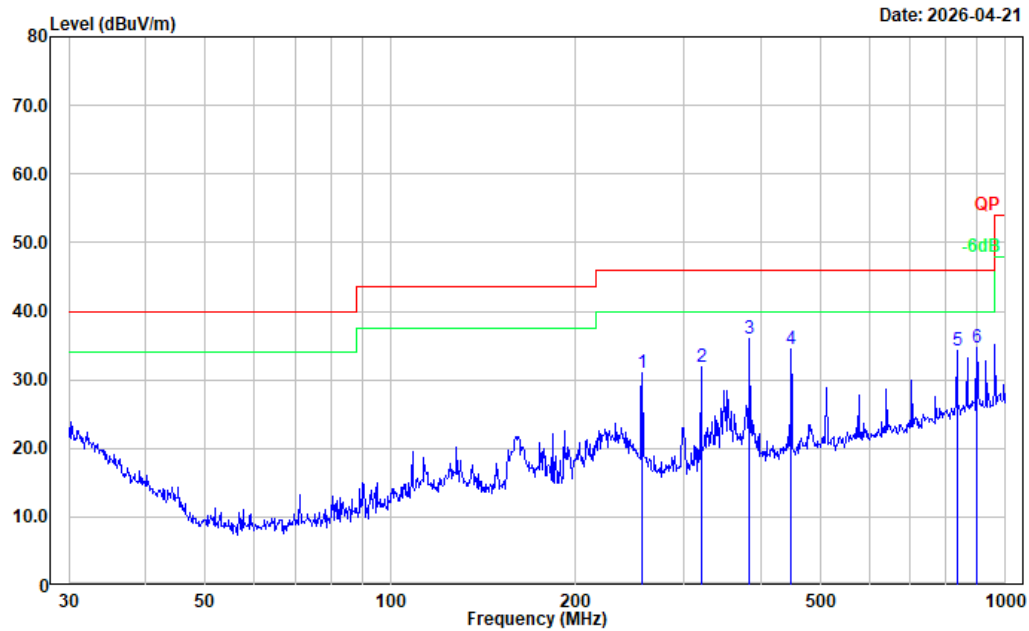
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.009	20.64	35.42	56.06	128.37	72.31	Peak
2	0.011	21.96	33.69	55.65	126.52	70.87	Peak
3	0.022	21.33	28.91	50.24	120.94	70.70	Peak
4	0.025	22.09	27.05	49.14	119.48	70.34	Peak
5	0.035	22.09	23.81	45.90	116.67	70.77	Peak
6	0.058	21.02	19.50	40.52	112.37	71.85	Peak

Project No.: 2603S01477E-RF
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Ground-Parallel
Note: Transmitting 15.249_SRD



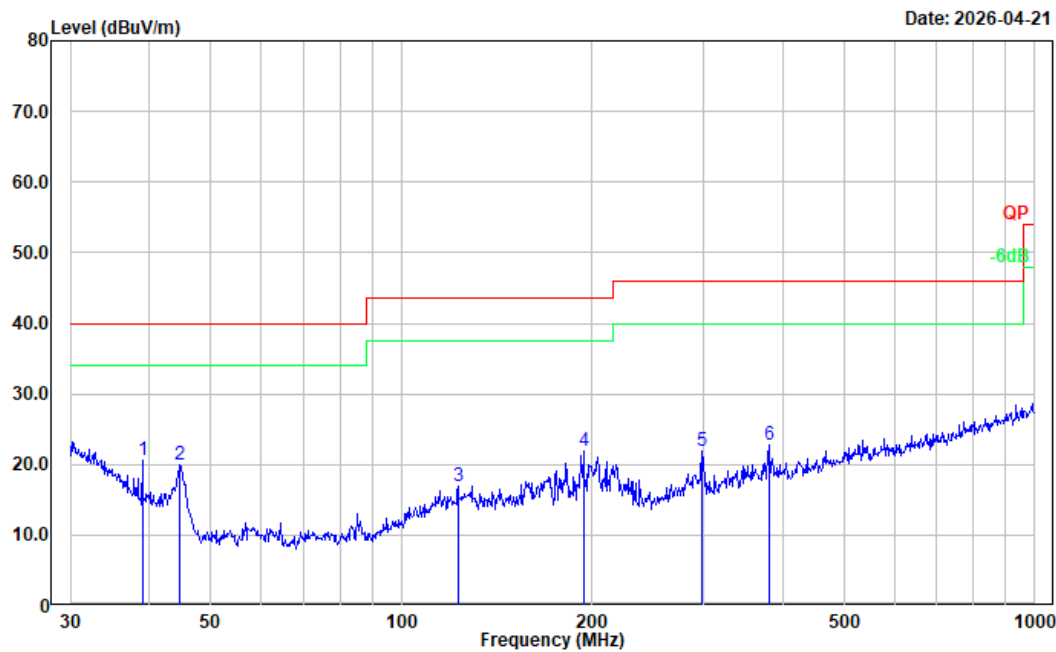
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.211	41.20	9.20	50.40	101.14	50.74	Peak
2	0.269	42.01	6.50	48.51	99.02	50.51	Peak
3	0.466	40.89	1.57	42.46	94.23	51.77	Peak
4	1.037	40.19	-4.60	35.59	67.15	31.56	Peak
5	2.077	37.08	-7.59	29.49	69.54	40.05	Peak
6	12.384	34.14	-7.82	26.32	69.54	43.22	Peak

Project No.: 2603S01477E-RF
Tester: Jin He
Condition: RBW:120 kHz VBW:500 kHz
Polarization: horizontal
Note: Transmitting 15.249_SRD



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	256.521	43.32	-12.26	31.06	46.00	14.94	Peak
2	319.937	41.78	-9.93	31.85	46.00	14.15	Peak
3	383.932	44.36	-8.45	35.91	46.00	10.09	Peak
4	447.982	41.30	-6.77	34.53	46.00	11.47	Peak
5	833.317	34.94	-0.74	34.20	46.00	11.80	Peak
6	896.997	34.30	0.36	34.66	46.00	11.34	Peak

Project No.: 2603S01477E-RF
Tester: Jin He
Condition: RBW:120 kHz VBW:500 kHz
Polarization: vertical
Note: Transmitting 15.249_SRD



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	39.024	31.31	-10.61	20.70	40.00	19.30	Peak
2	44.743	34.48	-14.47	20.01	40.00	19.99	Peak
3	122.834	27.78	-10.82	16.96	43.50	26.54	Peak
4	193.773	35.32	-13.35	21.97	43.50	21.53	Peak
5	298.268	32.18	-10.33	21.85	46.00	24.15	Peak
6	379.914	31.35	-8.59	22.76	46.00	23.24	Peak

4.2.2 1 GHz – 25 GHz

Sample Number	3JW5-1	Test Date:	2026/4/29
Test Site:	966-2	Test Mode:	Transmitting
Tester:	HuaYuan Miao	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.2	Relative Humidity: (%)	66	ATM Pressure: (kPa)	100.3
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	9912-5985	2023/12/6	2026/12/5
R&S	Spectrum Analyzer	FSV40	101591	2026/2/27	2027/2/26
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2025/11/10	2026/11/9
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2025/11/10	2026/11/9
A.H	Pre-amplifier	PAM-0118P	628	2025/11/10	2026/11/9
Audix	Test Software	E3	191218 (V9)	N/A	N/A
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2024/2/4	2027/2/3
Quinstar	Preamplifier	QLW-18405536-JO	1.5964E+10	2025/11/10	2026/11/9
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2025/11/10	2026/11/9
Decentest	Multiplex Switch Test Control Set	DT7220SCU	DQ77925	2025/8/4	2026/8/3
Decentest	Filter Switch Unit	DT7220FSU	DQ77928	2025/8/4	2026/8/3

*** Statement of Traceability:** China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

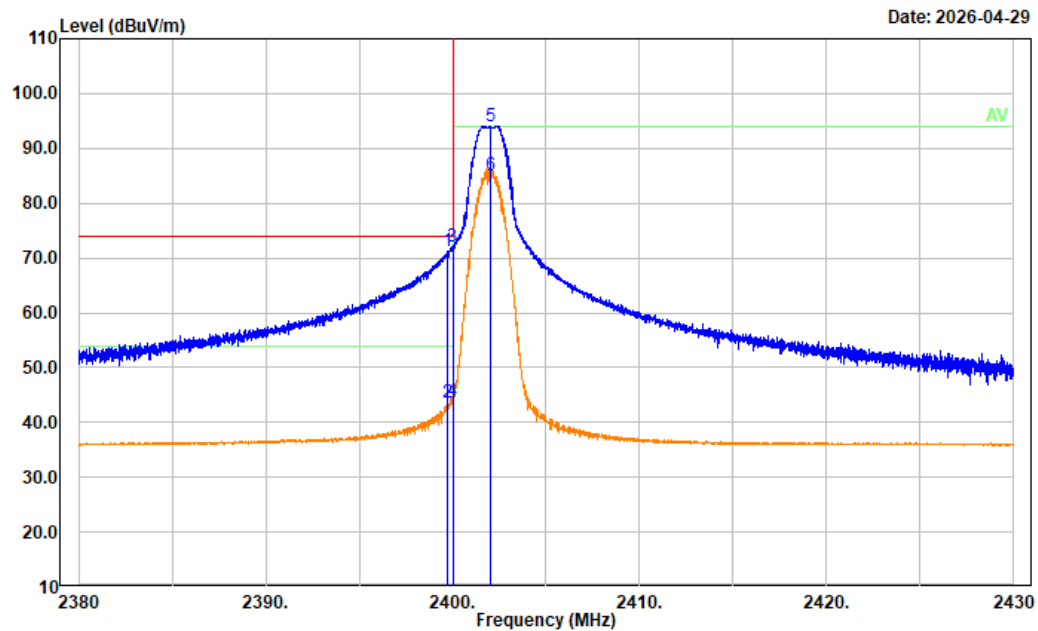
Test Data:

After pre-scan in the X, Y and Z axes of orientation, the worst case (Z axis) is below:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 2402 MHz							
4804.000	45.52	PK	H	4.64	50.16	74.00	23.84
4804.000	28.46	AV	H	4.64	33.10	54.00	20.90
4804.000	40.51	PK	V	4.64	45.15	74.00	28.85
4804.000	25.46	AV	V	4.64	30.10	54.00	23.90
7206.000	37.75	PK	H	9.84	47.59	74.00	26.41
7206.000	25.11	AV	H	9.84	34.95	54.00	19.05
7206.000	38.07	PK	V	9.84	47.91	74.00	26.09
7206.000	25.12	AV	V	9.84	34.96	54.00	19.04
Middle Channel: 2440 MHz							
4880.000	43.48	PK	H	4.88	48.36	74.00	25.64
4880.000	27.94	AV	H	4.88	32.82	54.00	21.18
4880.000	40.15	PK	V	4.88	45.03	74.00	28.97
4880.000	25.47	AV	V	4.88	30.35	54.00	23.65
7320.000	38.19	PK	H	10.58	48.77	74.00	25.23
7320.000	25.06	AV	H	10.58	35.64	54.00	18.36
7320.000	38.66	PK	V	10.58	49.24	74.00	24.76
7320.000	25.03	AV	V	10.58	35.61	54.00	18.39
High Channel: 2478 MHz							
4956.000	41.59	PK	H	4.86	46.45	74.00	27.55
4956.000	27.56	AV	H	4.86	32.42	54.00	21.58
4956.000	38.82	PK	V	4.86	43.68	74.00	30.32
4956.000	25.23	AV	V	4.86	30.09	54.00	23.91
7434.000	37.79	PK	H	10.63	48.42	74.00	25.58
7434.000	24.90	AV	H	10.63	35.53	54.00	18.47
7434.000	37.87	PK	V	10.63	48.50	74.00	25.50
7434.000	24.88	AV	V	10.63	35.51	54.00	18.49

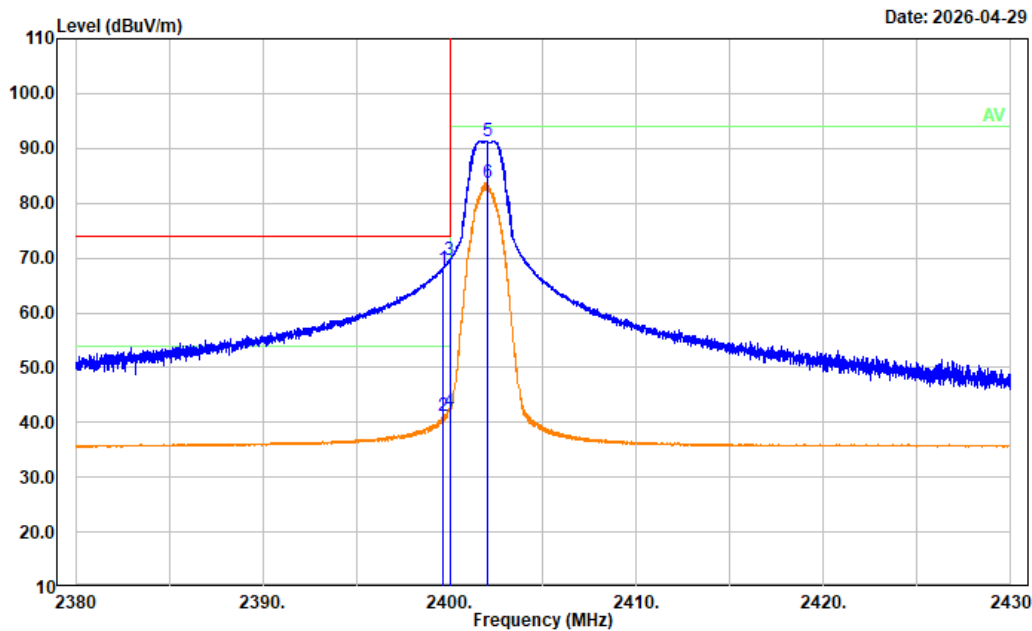
Band edge and Fundamental test plots:

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; RMS trace RBW:1MHz; VBW:10Hz
Polarization: Horizontal
Note: 2.4G SRD Low Chance1 2402MHz



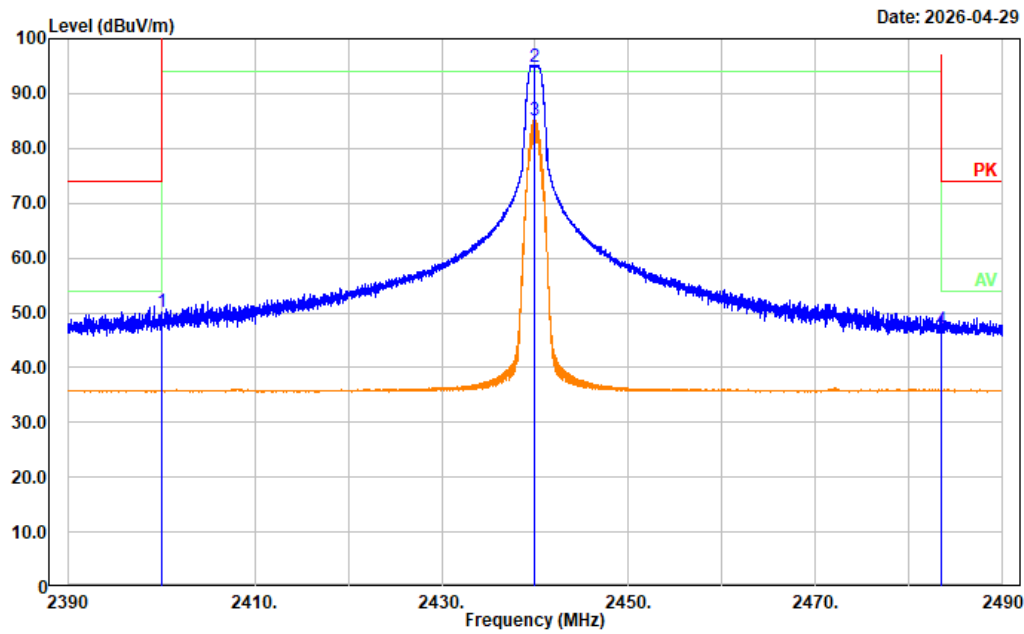
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2399.740	73.22	-2.08	71.14	74.00	2.86	Peak
2	2399.740	45.55	-2.08	43.47	54.00	10.53	Average
3	2400.000	74.11	-2.08	72.03	74.00	1.97	Peak
4	2400.000	46.00	-2.08	43.92	54.00	10.08	Average
5	2402.000	96.00	-2.08	93.92	113.98	20.06	Peak
6	2402.000	87.26	-2.08	85.18	93.98	8.80	Average

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;RMS trace RBW:1MHz; VBW:10Hz
Polarization: Vertical
Note: 2.4G SRD Low Chance1 2402MHz



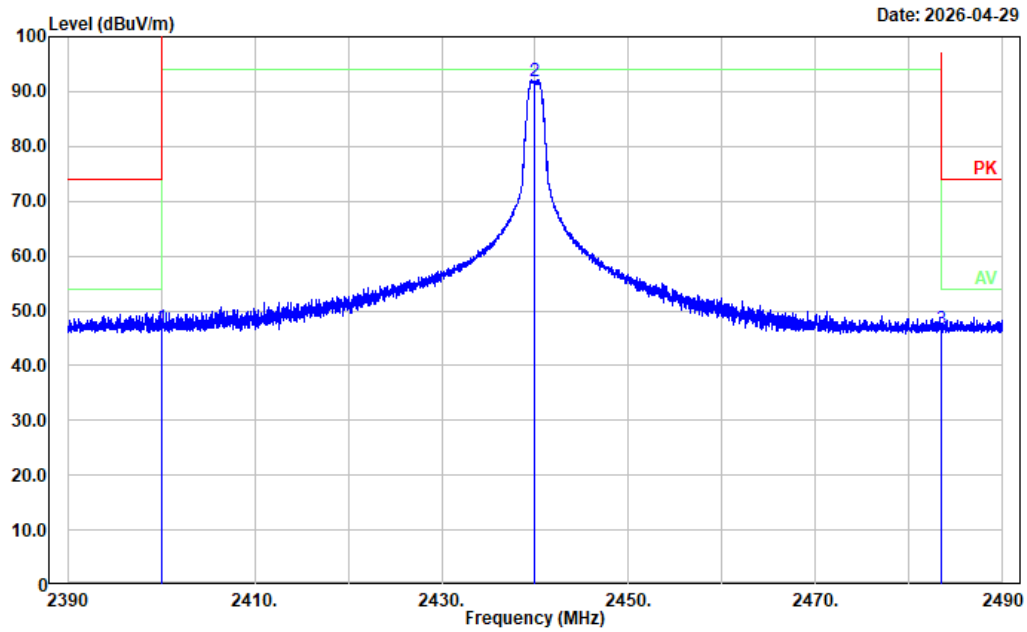
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2399.630	70.21	-2.08	68.13	74.00	5.87	Peak
2	2399.630	43.13	-2.08	41.05	54.00	12.95	Average
3	2400.000	71.79	-2.08	69.71	74.00	4.29	Peak
4	2400.000	43.95	-2.08	41.87	54.00	12.13	Average
5	2402.000	93.28	-2.08	91.20	113.98	22.78	Peak
6	2402.000	85.75	-2.08	83.67	93.98	10.31	Average

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;RMS trace RBW:1MHz; VBW:10Hz
Polarization: Horizontal
Note: 2.4G SRD Middle Channel 2440MHz



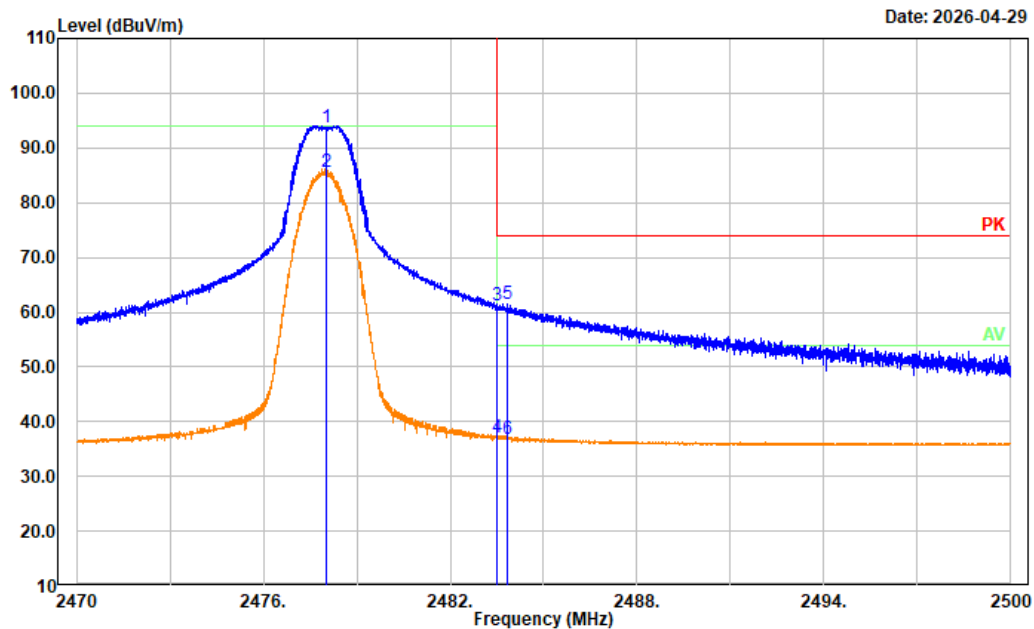
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2400.000	52.11	-2.08	50.03	74.00	23.97	Peak
2	2440.000	97.02	-2.26	94.76	113.98	19.22	Peak
3	2440.000	87.44	-2.26	85.18	93.98	8.80	Average
4	2483.500	48.99	-2.17	46.82	74.00	27.18	Peak

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 2.4G SRD Middle Channel 2440MHz



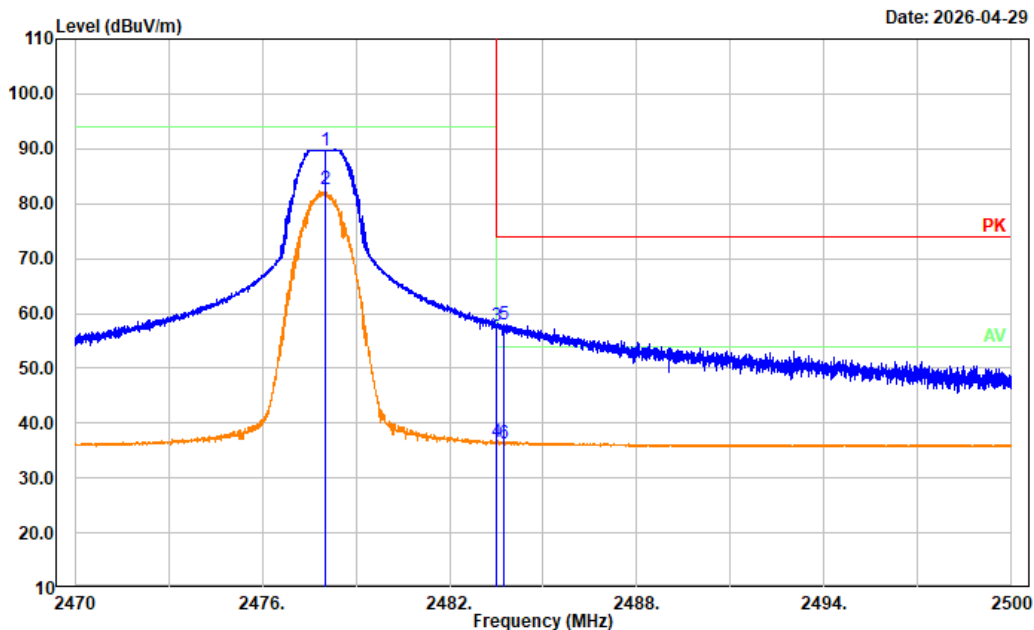
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2400.000	48.84	-2.08	46.76	74.00	27.24	Peak
2	2440.000	94.18	-2.26	91.92	113.98	22.06	Peak
3	2483.500	48.74	-2.17	46.57	74.00	27.43	Peak

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;RMS trace RBW:1MHz; VBW:10Hz
Polarization: Horizontal
Note: 2.4G SRD High Chancel 2478MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2478.000	95.85	-2.18	93.67	113.98	20.31	Peak
2	2478.000	87.77	-2.18	85.59	93.98	8.39	Average
3	2483.500	63.40	-2.17	61.23	74.00	12.77	Peak
4	2483.500	39.20	-2.17	37.03	54.00	16.97	Average
5	2483.836	63.71	-2.17	61.54	74.00	12.46	Peak
6	2483.836	39.00	-2.17	36.83	54.00	17.17	Average

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;RMS trace RBW:1MHz; VBW:10Hz
Polarization: Vertical
Note: 2.4G SRD High Chancel 2478MHz

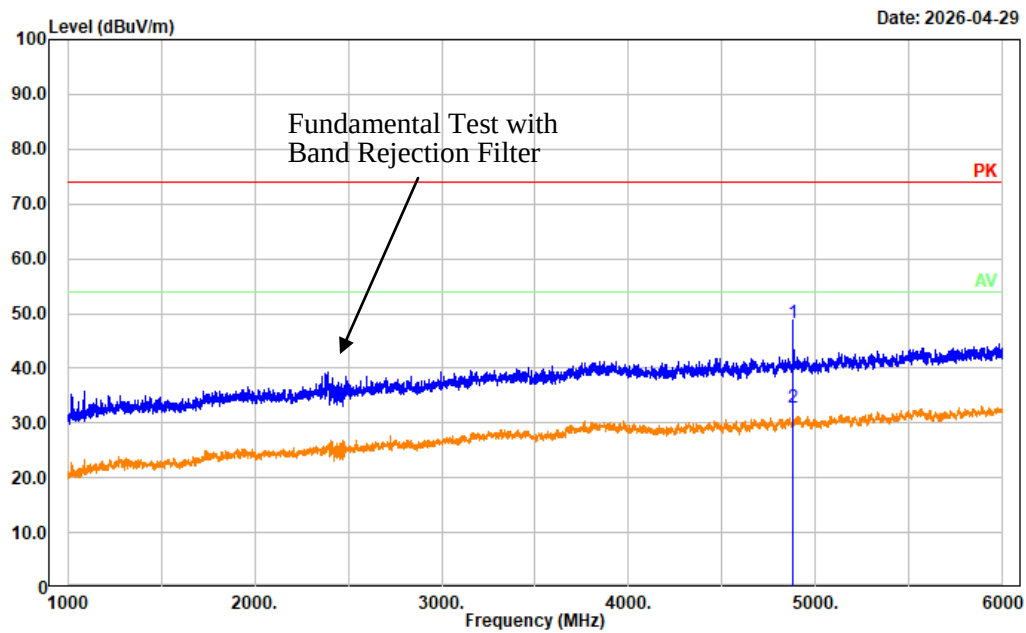


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2478.000	91.94	-2.18	89.76	113.98	24.22	Peak
2	2478.000	84.73	-2.18	82.55	93.98	11.43	Average
3	2483.500	59.86	-2.17	57.69	74.00	16.31	Peak
4	2483.500	38.67	-2.17	36.50	54.00	17.50	Average
5	2483.758	60.19	-2.17	58.02	74.00	15.98	Peak
6	2483.758	38.55	-2.17	36.38	54.00	17.62	Average

Worst radiation spurious emissions margin test plots

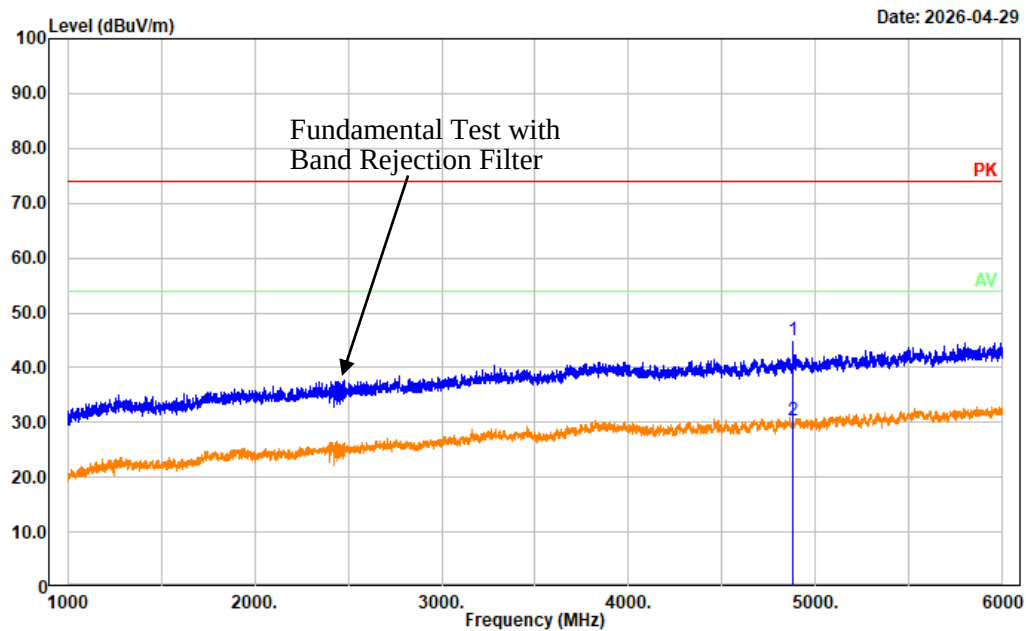
Note: for 18 – 25 GHz range, test was performed on the maximum power mode.

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: horizontal
Note: 2.4G SRD Middle Channel 2440MHz



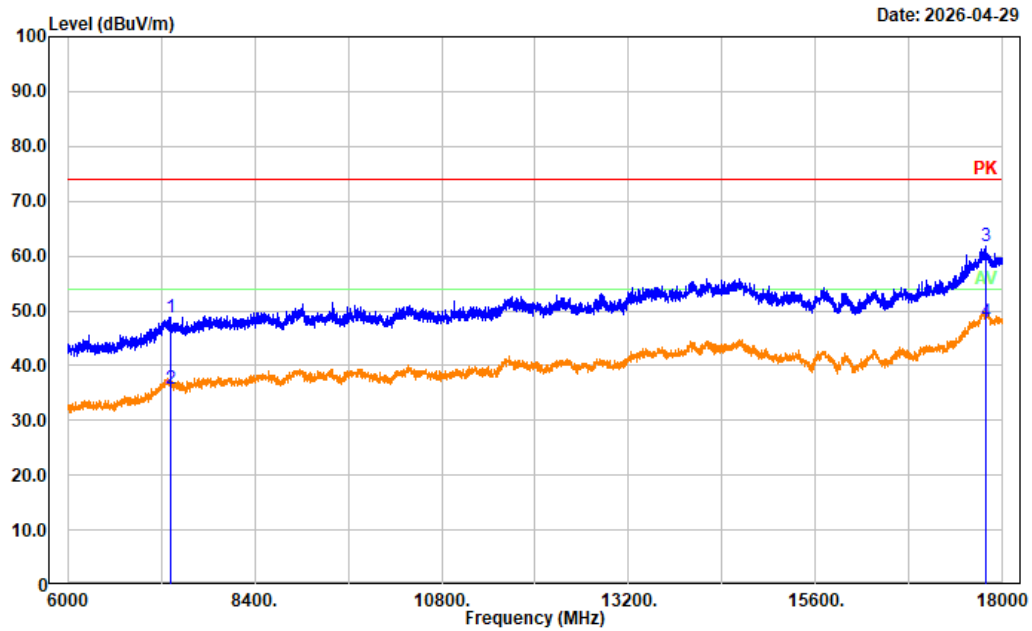
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
1	4880.000	43.48	4.88	48.36	74.00	25.64	Peak
2	4880.000	27.94	4.88	32.82	54.00	21.18	Average

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;AV trace RBW:1MHz; VBW:5kHz
Polarization: vertical
Note: 2.4G SRD Middle Channel 2440MHz



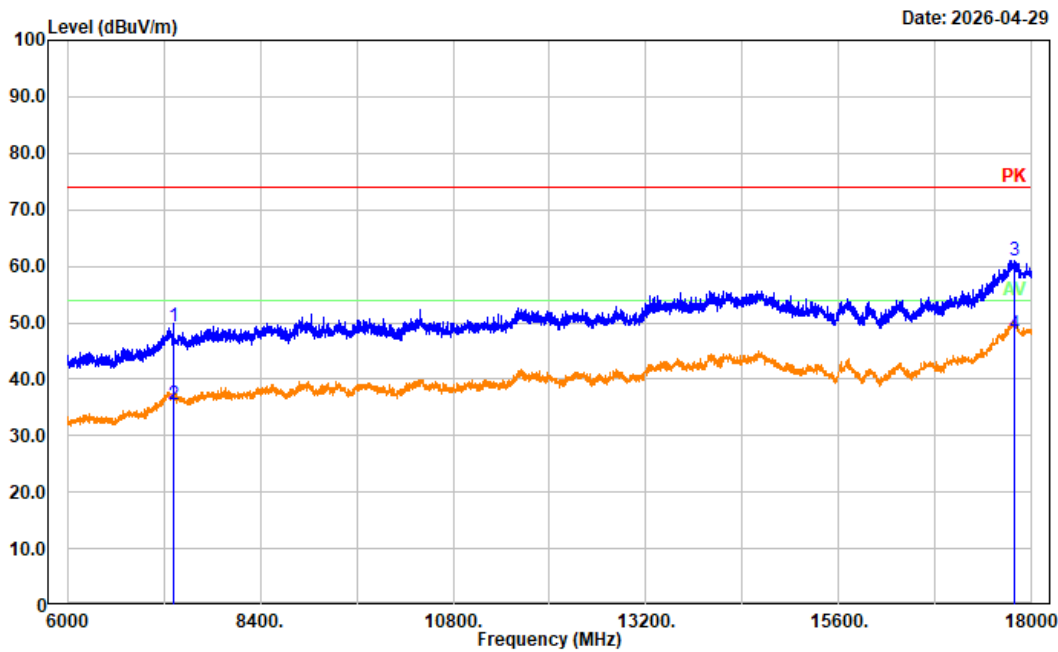
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	4880.000	40.15	4.88	45.03	74.00	28.97	Peak
2	4880.000	25.47	4.88	30.35	54.00	23.65	Average

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: horizontal
Note: 2.4G SRD Middle Channel 2440MHz



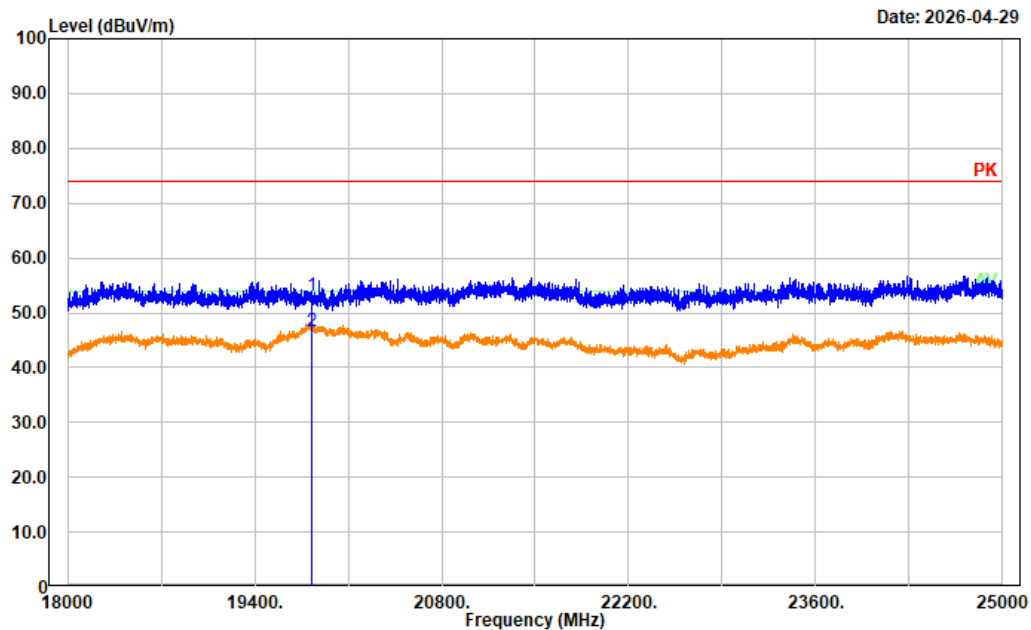
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7320.000	38.19	10.58	48.77	74.00	25.23	Peak
2	7320.000	25.06	10.58	35.64	54.00	18.36	Average
3	17774.400	40.52	21.26	61.78	74.00	12.22	Peak
4	17774.400	26.61	21.26	47.87	54.00	6.13	Average

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;AV trace RBW:1MHz; VBW:5kHz
Polarization: vertical
Note: 2.4G SRD Middle Chancel 2440MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7320.000	38.66	10.58	49.24	74.00	24.76	Peak
2	7320.000	25.03	10.58	35.61	54.00	18.39	Average
3	17784.000	39.63	21.29	60.92	74.00	13.08	Peak
4	17784.000	26.60	21.29	47.89	54.00	6.11	Average

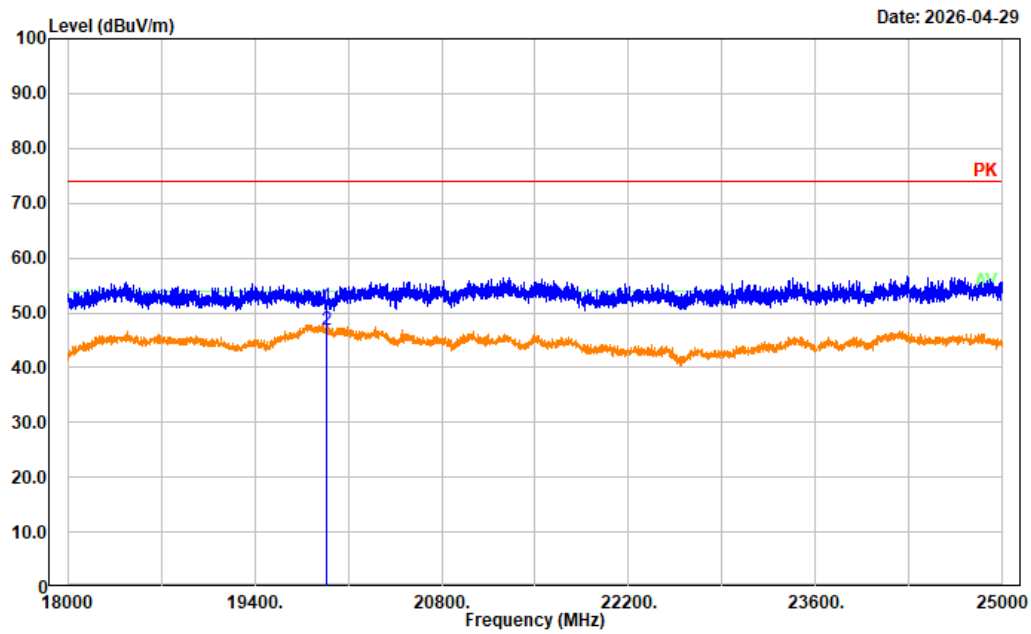
Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;AV trace RBW:1MHz; VBW:5kHz
Polarization: Horizontal
Note: 2.4G SRD Middle Channel 2440MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark

1	19822.800	48.64	4.51	53.15	74.00	20.85	Peak
2	19822.800	42.06	4.51	46.57	54.00	7.43	Average

Project No: 2603S01477E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;AV trace RBW:1MHz; VBW:5kHz
Polarization: Vertical
Note: 2.4G SRD Middle Channel 2440MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	19941.800	44.80	6.49	51.29	74.00	22.71	Peak
2	19941.800	40.29	6.49	46.78	54.00	7.22	Average

4.3 20 dB Emission Bandwidth:

Sample Number	3JW5-5	Test Date:	2026/4/17
Test Site:	RF	Test Mode:	Transmitting
Tester:	Zoey Song	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.6	Relative Humidity: (%)	49	ATM Pressure: (kPa)	100.6
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200445	2025/11/10	2026/11/9

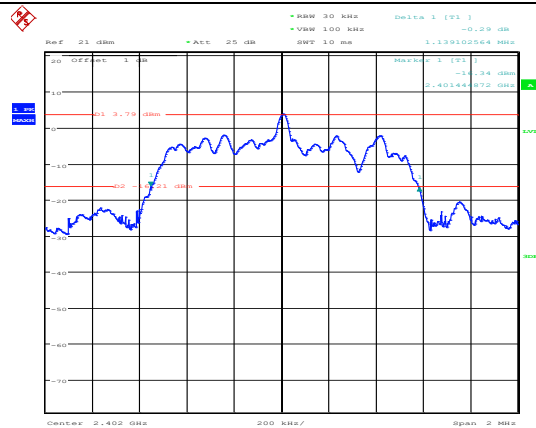
*** Statement of Traceability:** China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Test Frequency (MHz)	20 dB Bandwidth (MHz)
2402	1.139
2440	1.133
2478	1.133

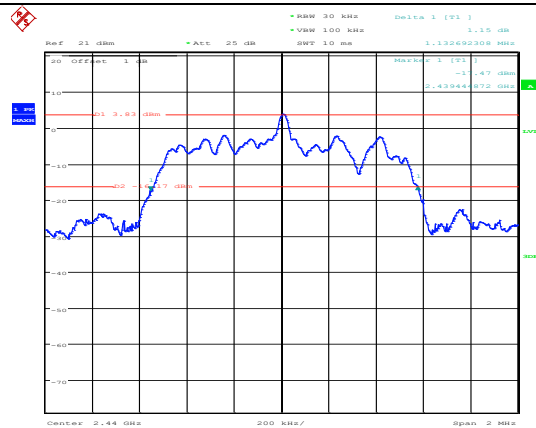
20dB Emission Bandwidth

2402MHz



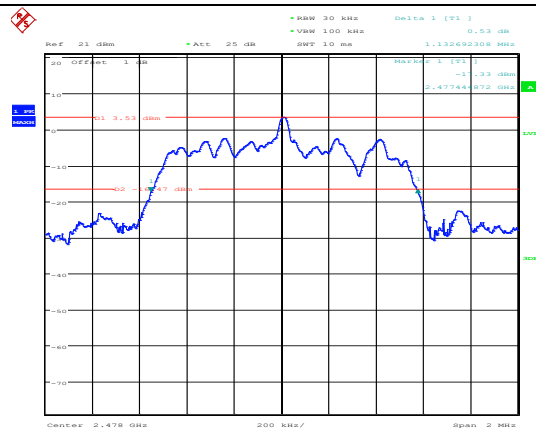
ProjectNo.:2603S01477E-RF Tester:Zoe Song
Date: 17.APR.2026 21:00:45

2440MHz



ProjectNo.:2603S01477E-RF Tester:Zoe Song
Date: 17.APR.2026 21:07:57

2480MHz



ProjectNo.:2603S01477E-RF Tester:Zoe Song
Date: 17.APR.2026 21:04:31

5. EUT PHOTOGRAPHS

Please refer to the attachment 2603S01477E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2603S01477E-RF-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2603S01477E-RF-00B-TSP TEST SETUP PHOTOGRAPHS.

===== END OF REPORT =====