



中认信通
CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

Applicant: Shenzhen Hollyland Technology Co.,Ltd

Address: 8F, Building 5D, Skyworth Innovation Valley, Tangtou Road, Shiyan Street, Baoan District, Shenzhen, 518055 China

FCC ID: 2ADZC-6301T

Product Name: Wireless microphone

Standard(s): 47 CFR Part 15, Subpart C(15.247)

ANSI C63.10-2020

KDB 558074 D01 15.247 Meas Guidance v05r02

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: CR231059235-RF-00A1

Date Of Issue: 2026/3/18

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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.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR231059235-00	Original Report	2023/11/20
2.0	CR231059235-RF-00A1	CIIPC Report	2026/3/18

Note: This is the CIIPC application which was based on the original device(Date of Grant: 11/26/2023). Differences between the previous device and the current one are stated and guaranteed by the manufacturer, as following:

1. Add second-source suppliers for the antenna, casing and battery.
2. Device reference ESD8/0201 is changed to ESD13/0402; ESD diode is replaced with surge protection diode.

Radiated Spurious Emission and Maximum Conducted Output Power were performed to verify RF compliance.

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

1.1.1 General

EUT Name:	Wireless microphone
Trade Name:	HOLLYLAND
EUT Model:	LARK M2
Operation Frequency:	2402-2480 MHz
Maximum Peak Output Power (Conducted):	8.97 dBm
Modulation Type:	GFSK
Rated Input Voltage:	DC 5V form charge port or DC 3.87V form battery
Sample Number:	3CFV-1
EUT Received Date:	2025/11/18
EUT Received Status:	Good

1.1.2 Operation Frequency Detail

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	...	...
...	...	...	...
...	...	...	...
...	...	38	2478
19	2440	39	2480

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

Test Channel	Frequency (MHz)
Lowest	2402
Middle	2440
Highest	2480

1.1.3 Antenna Information Detail ▲

Antenna Type	input impedance (Ohm)	Frequency Range (MHz)	Antenna Gain (dBi)
LDS	50	2400-2500	-1.34
The Method of §15.203 Compliance: ☒ Antenna was permanently attached to the unit. ☐ Antenna use a unique type of connector to attach to the EUT. ☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.			

1.1.4 Accessory Information

Accessory Description	Manufacturer	Model	Serial Number
/	/	/	/

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:	ATS303X_FCC_V1.0		
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
1Mbps	0	0	0
2Mbps	0	0	0

1.2.2 Support Equipment List and Details

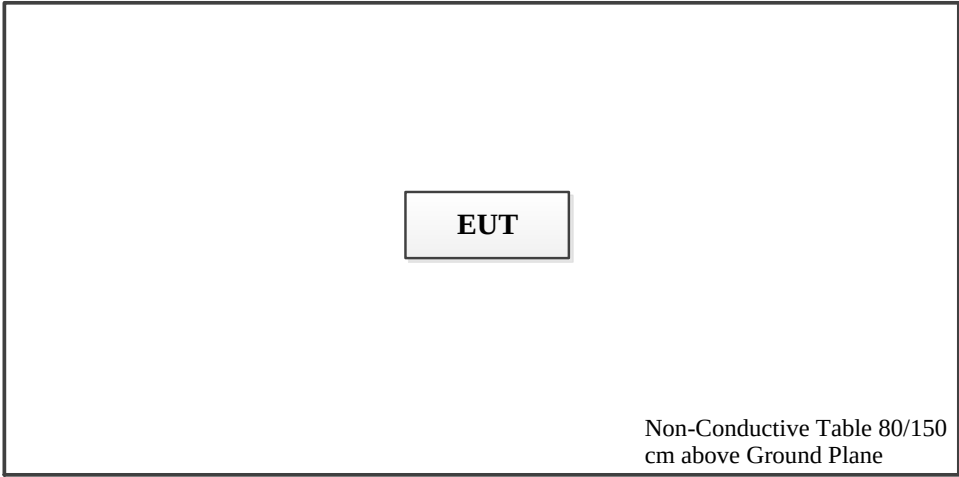
Manufacturer	Description	Model	Serial Number
/	/	/	/

1.2.3 Support Cable List and Details

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

1.2.4 Block Diagram of Test Setup

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	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	9k~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
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

Standard Rules	Description of Test	Result
FCC §15.203	Antenna Requirement	Compliant
FCC §15.207(a)	AC Line Conducted Emissions	Not Applicable
FCC §15.205, §15.209, §15.247(d)	Radiated Spurious Emission	Compliant
FCC §15.207(a)(2)	6dB Emission Bandwidth	Compliant*
FCC §15.247(b)(1)	Maximum Conducted Output Power	Reporting
FCC §15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant*
FCC §15.247(e)	Power Spectral Density	Compliant*
C63.10 §11.6	Duty Cycle	Compliant*
FCC §1.1307& §2.1093& §15.247 (i)	RF Exposure	Compliant

Note:

Not Applicable: It is powered by the battery when the device transmits.

Compliant*: The test data please refer to the report: CR231059235-00.

3. REQUIREMENTS AND TEST PROCEDURES

3.1 Radiation Spurious Emissions

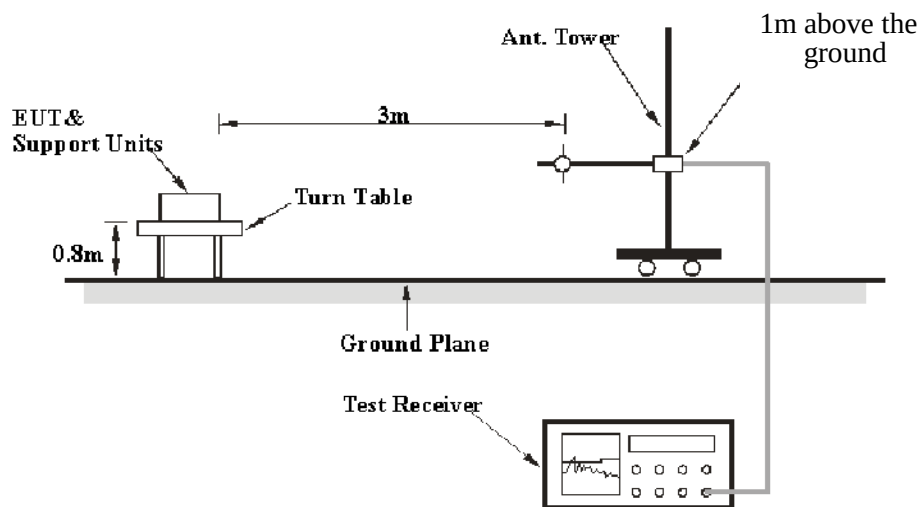
3.1.1 Applicable Standard

FCC §15.247 (d);

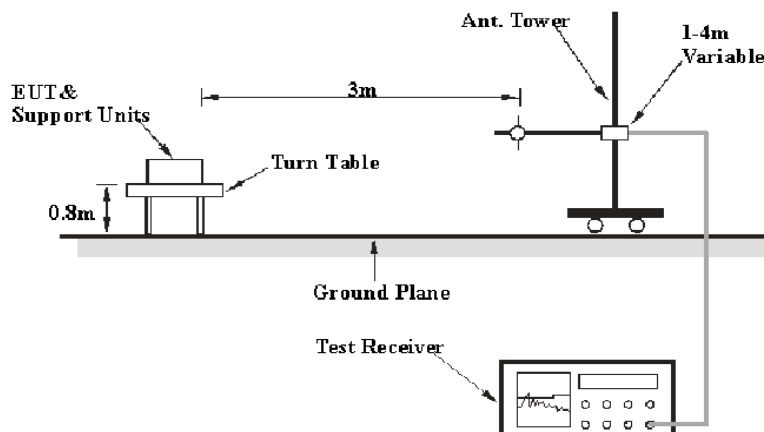
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

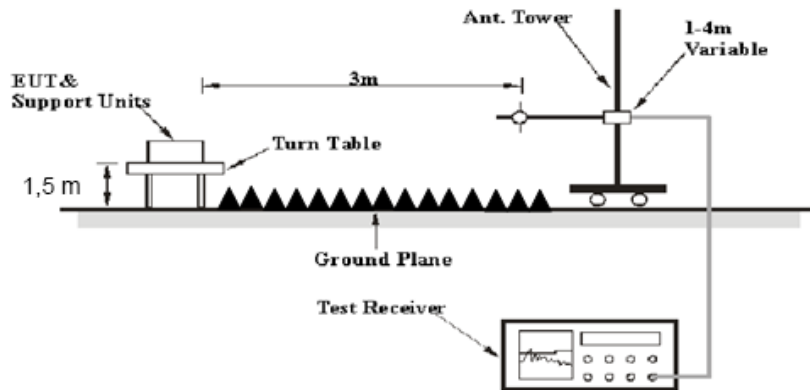
3.1.2 EUT Setup

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 15.247 limits.

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

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.

3.1.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 25 GHz.

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

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	Duty cycle	RBW	Video B/W	Detector
PK	Any	1MHz	3 MHz	Peak
Ave.	>98%	1MHz	5 kHz	Peak
	<98%	1MHz	$\geq 1/T$, not less than 5 kHz	Peak

Note: T is minimum transmission duration

Final measurement for emission identified during the pre-scan:

Measurement	Duty cycle	RBW	Video B/W	Detector
PK	Any	1MHz	3 MHz	Peak
Ave.	>98%	1MHz	10 Hz	Peak
	<98%	1MHz	$\geq 1/T$	Peak

Note: T is minimum transmission duration

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.

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

3.1.4 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.

3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = Antenna Factor + Cable Loss- 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:

Margin = Limit – Result

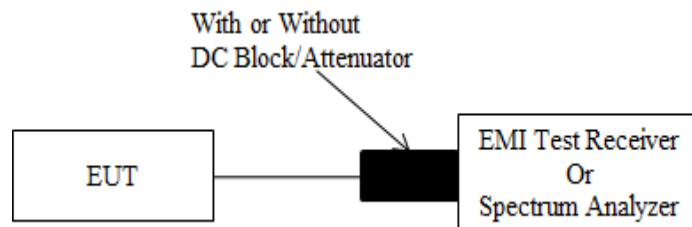
3.2 Maximum Conducted Output Power

3.2.1 Applicable Standard

FCC §15.247 (b)(3)

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

3.2.2 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.

3.2.3 Test Procedure

According to ANSI C63.10-2020 Section 11.9.1.1

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

- a) Set the $RBW \geq DTS$ bandwidth.
- b) Set $VBW \geq [3 \times RBW]$.
- c) Set $span \geq [3 \times RBW]$.
- d) Sweep time = No faster than coupled (auto) time.
- e) Detector = peak.
- f) Trace mode = max-hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.

3.3 Antenna Requirement

3.3.1 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 use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.3.2 Judgment

Compliant. Please refer to the Antenna Information detail in Section 1.

4. TEST DATA AND RESULTS

4.1 Radiation Spurious Emissions

4.1.1 9 kHz – 1 GHz

Sample Number:	3CFV-1	Test Date:	2026/2/13
Test Site:	966-1	Test Mode:	Transmitting(Maximum output power mode 2M low channel)
Tester:	Jin He	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.1	Relative Humidity: (%)	57	ATM Pressure: (kPa)	101.3
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Test Equipment List and Details:

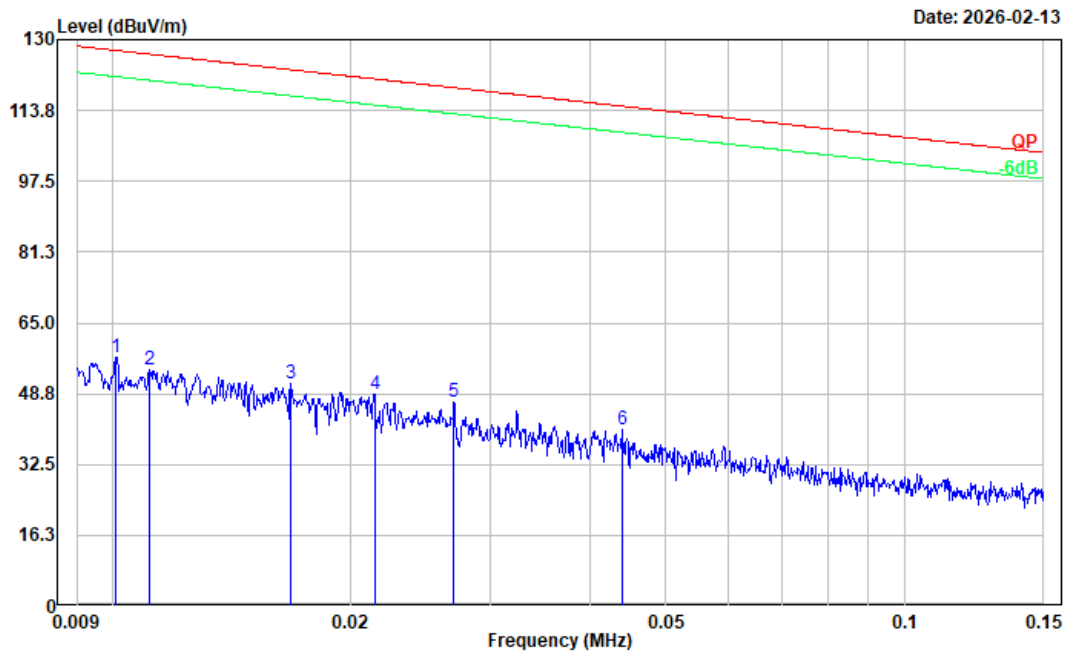
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2023/12/1	2026/11/30
BACL	Loop Antenna	1313-1A	3110611	2023/12/4	2026/12/3
DaruiKang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2025/11/10	2026/11/9
DaruiKang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2025/11/10	2026/11/9
R&S	EMI Test Receiver	ESR3	102724	2025/2/14	2026/2/13
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 refer to plots.

Project No.: CR231059235-RF-A1
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Parallel
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.010	22.91	34.29	57.20	127.52	70.32	Peak
2	0.011	20.56	33.80	54.36	126.66	72.30	Peak
3	0.017	19.79	31.16	50.95	123.12	72.17	Peak
4	0.021	19.57	28.98	48.55	120.99	72.44	Peak
5	0.027	20.38	26.37	46.75	118.99	72.24	Peak
6	0.044	18.50	21.93	40.43	114.74	74.31	Peak

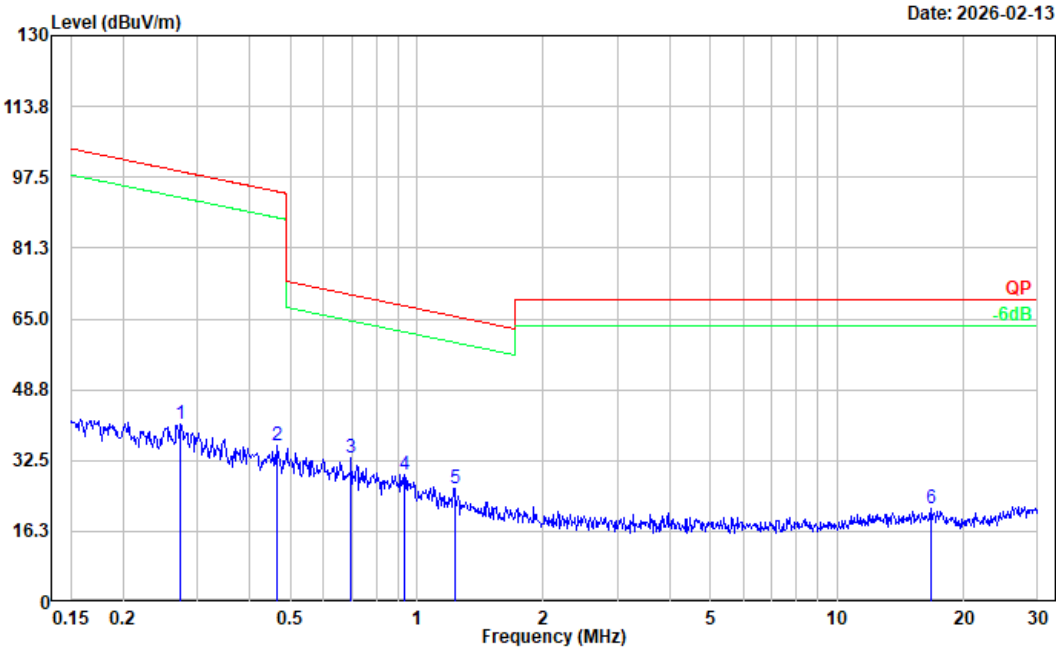
Project No.: CR231059235-RF-A1

Tester: Jin He

Condition: RBW:9 kHz VBW:30 kHz

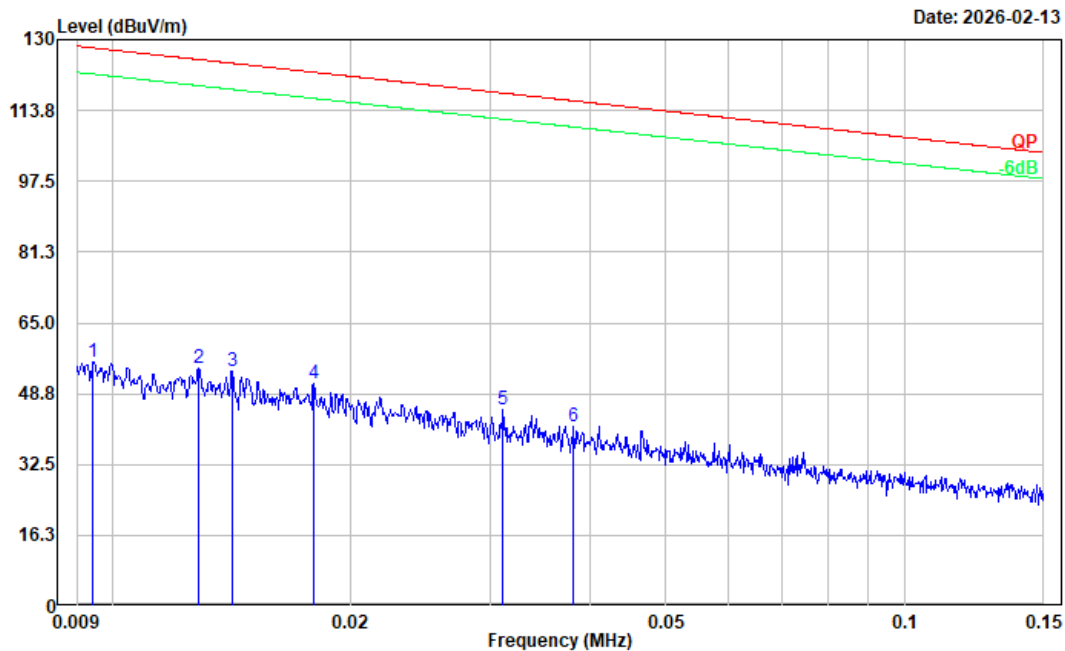
Polarization: Parallel

Note: Transmitting



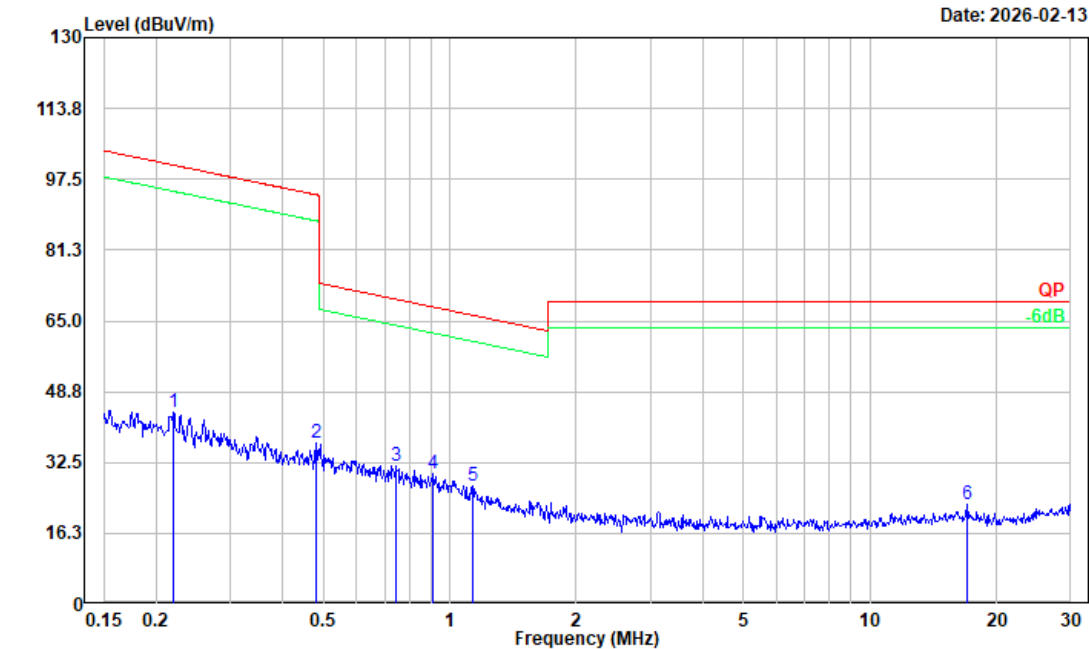
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.274	34.47	6.25	40.72	98.84	58.12	Peak
2	0.464	34.23	1.63	35.86	94.28	58.42	Peak
3	0.697	34.53	-1.28	33.25	70.67	37.42	Peak
4	0.933	33.06	-3.80	29.26	68.09	38.83	Peak
5	1.229	31.39	-5.20	26.19	65.64	39.45	Peak
6	16.750	28.93	-7.33	21.60	69.54	47.94	Peak

Project No.: CR231059235-RF-A1
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Perpendicular
Note: Transmitting



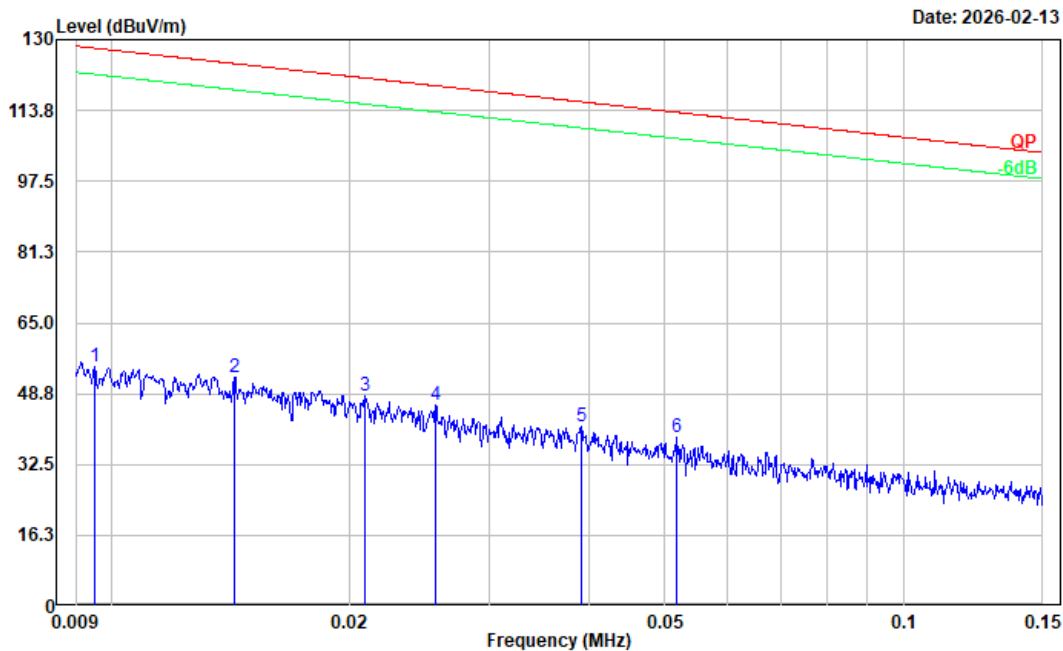
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.009	21.03	35.06	56.09	128.10	72.01	Peak
2	0.013	21.57	33.01	54.58	125.44	70.86	Peak
3	0.014	21.44	32.39	53.83	124.59	70.76	Peak
4	0.018	20.57	30.61	51.18	122.53	71.35	Peak
5	0.031	20.50	24.70	45.20	117.74	72.54	Peak
6	0.038	18.06	23.17	41.23	115.96	74.73	Peak

Project No.: CR231059235-RF-A1
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Perpendicular
Note: Transmitting



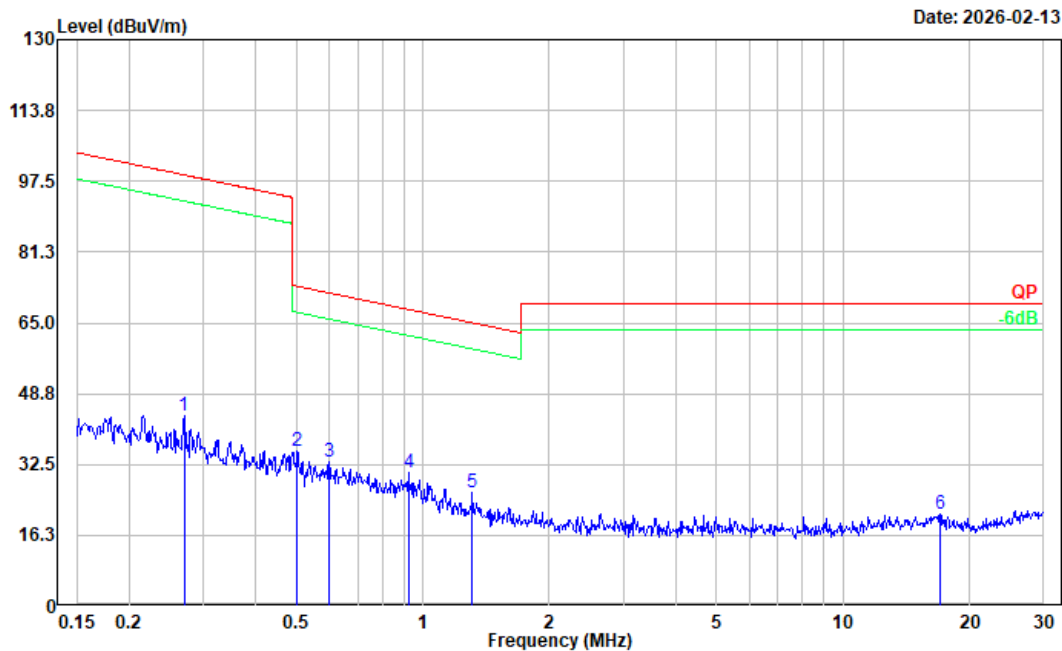
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.220	35.12	8.79	43.91	100.77	56.86	Peak
2	0.481	35.66	1.26	36.92	93.96	57.04	Peak
3	0.743	33.58	-1.78	31.80	70.11	38.31	Peak
4	0.914	33.62	-3.59	30.03	68.27	38.24	Peak
5	1.129	32.04	-4.89	27.15	66.39	39.24	Peak
6	17.018	30.12	-7.37	22.75	69.54	46.79	Peak

Project No.: CR231059235-RF-A1
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Ground-Parallel
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.009	19.94	34.99	54.93	128.06	73.13	Peak
2	0.014	20.14	32.33	52.47	124.51	72.04	Peak
3	0.021	18.94	29.23	48.17	121.21	73.04	Peak
4	0.026	19.03	26.99	46.02	119.43	73.41	Peak
5	0.039	18.28	22.96	41.24	115.74	74.50	Peak
6	0.052	18.25	20.40	38.65	113.34	74.69	Peak

Project No.: CR231059235-RF-A1
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Ground-Parallel
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.270	37.08	6.45	43.53	98.97	55.44	Peak
2	0.502	34.74	0.85	35.59	73.58	37.99	Peak
3	0.598	33.31	-0.20	33.11	72.03	38.92	Peak
4	0.923	34.31	-3.69	30.62	68.18	37.56	Peak
5	1.310	31.37	-5.44	25.93	65.08	39.15	Peak
6	17.018	28.54	-7.37	21.17	69.54	48.37	Peak

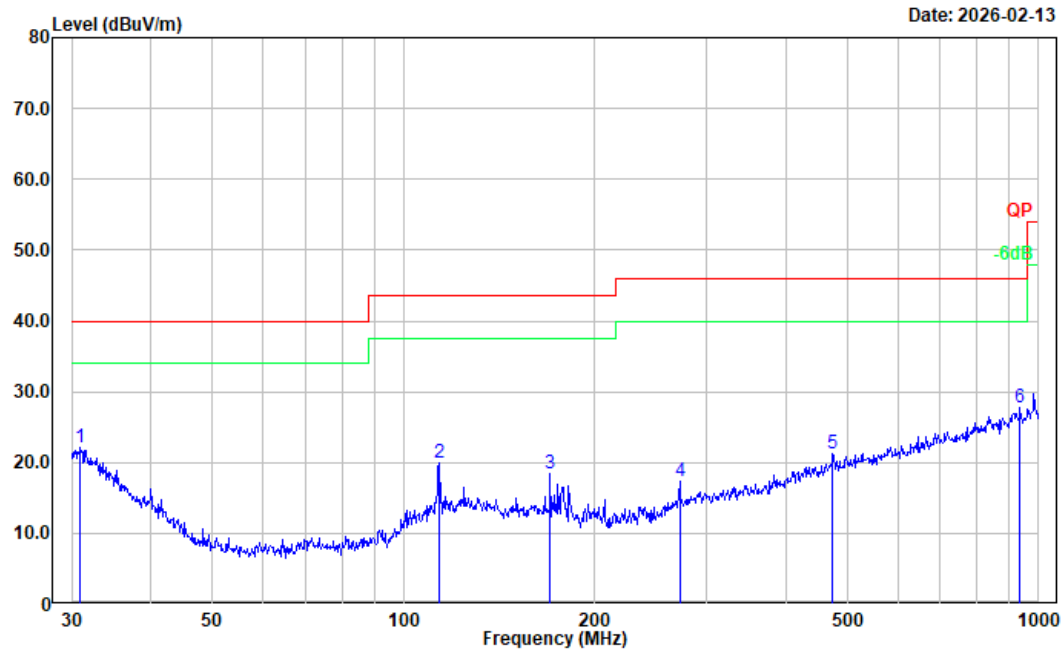
Project No.: CR231059235-RF-A1

Tester: Jin He

Condition: RBW:120 kHz VBW:500 kHz

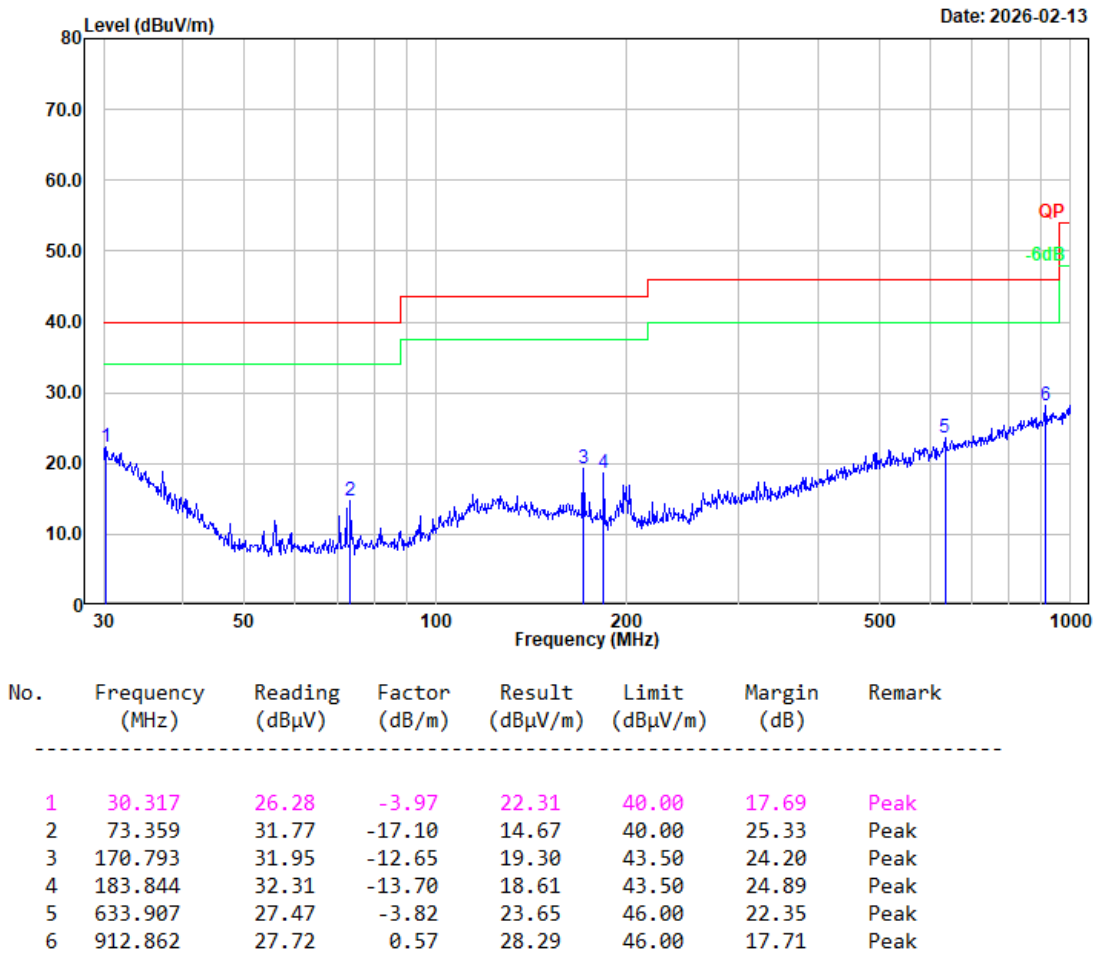
Polarization: horizontal

Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	30.962	26.54	-4.38	22.16	40.00	17.84	Peak
2	113.714	31.69	-11.69	20.00	43.50	23.50	Peak
3	170.195	31.06	-12.58	18.48	43.50	25.02	Peak
4	272.278	28.07	-10.82	17.25	46.00	28.75	Peak
5	473.835	27.31	-6.11	21.20	46.00	24.80	Peak
6	935.546	27.00	0.79	27.79	46.00	18.21	Peak

Project No.: CR231059235-RF-A1
Tester: Jin He
Condition: RBW:120 kHz VBW:500 kHz
Polarization: vertical
Note: Transmitting



4.1.2 1 GHz – 25 GHz

Sample Number	3CFV-1	Test Date:	2026/2/13
Test Site:	966-2	Test Mode:	Transmitting
Tester:	HuaYuan Miao	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.1	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101.3
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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	2025/3/31	2026/3/30
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	15964001005	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 refer to table and plots.

1Mbps:

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	49.04	PK	H	-4.08	44.96	74.00	29.04
4804.000	51.86	PK	V	-4.08	47.78	74.00	26.22
7206.000	52.42	PK	H	0.10	52.52	74.00	21.48
7206.000	42.14	AV	H	0.10	42.24	54.00	11.76
7206.000	53.28	PK	V	0.10	53.38	74.00	20.62
7206.000	43.75	AV	V	0.10	43.85	54.00	10.15
Middle Channel: 2440 MHz							
4880.000	49.65	PK	H	-4.09	45.56	74.00	28.44
4880.000	52.59	PK	V	-4.09	48.50	74.00	25.50
7320.000	52.29	PK	H	0.70	52.99	74.00	21.01
7320.000	41.57	AV	H	0.70	42.27	54.00	11.73
7320.000	54.53	PK	V	0.70	55.23	74.00	18.77
7320.000	45.01	AV	V	0.70	45.71	54.00	8.29
High Channel: 2480 MHz							
4960.000	55.26	PK	H	-4.18	51.08	74.00	22.92
4960.000	53.34	PK	V	-4.18	49.16	74.00	24.84
7440.000	52.14	PK	H	0.61	52.75	74.00	21.25
7440.000	41.02	AV	H	0.61	41.63	54.00	12.37
7440.000	58.45	PK	V	0.61	59.06	74.00	14.94
7440.000	49.52	AV	V	0.61	50.13	54.00	3.87

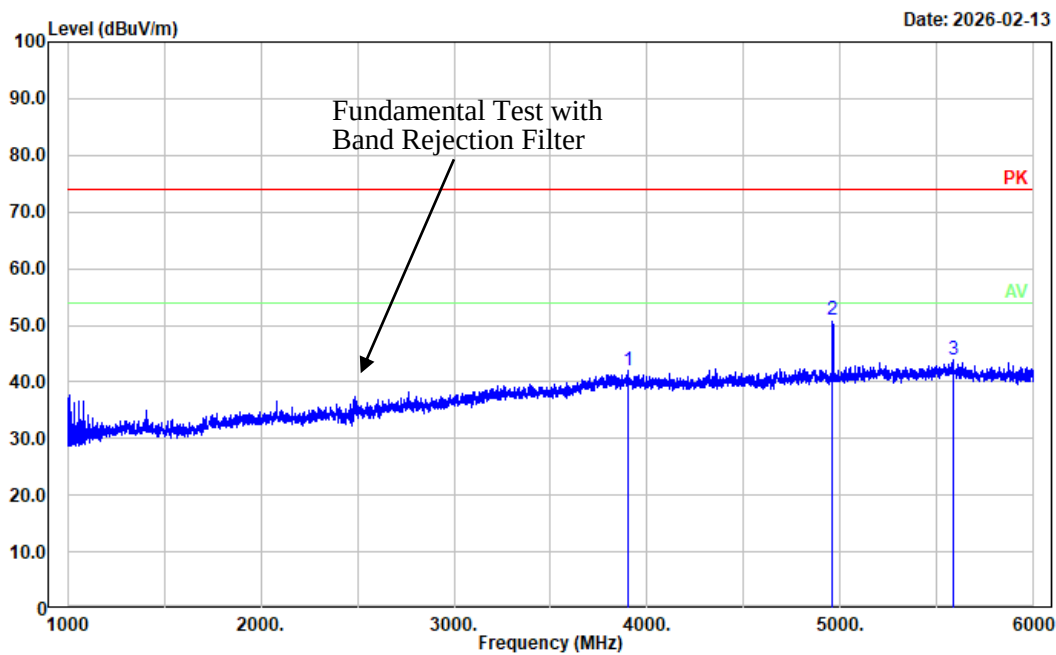
2Mbps:

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	49.28	PK	H	-4.08	45.20	74.00	28.80
4804.000	51.29	PK	V	-4.08	47.21	74.00	26.79
7206.000	51.53	PK	H	0.10	51.63	74.00	22.37
7206.000	41.26	AV	H	0.10	41.36	54.00	12.64
7206.000	52.61	PK	V	0.10	52.71	74.00	21.29
7206.000	43.17	AV	V	0.10	43.27	54.00	10.73
Middle Channel:				2440	MHz		
4880.000	49.57	PK	H	-4.09	45.48	74.00	28.52
4880.000	51.76	PK	V	-4.09	47.67	74.00	26.33
7320.000	51.38	PK	H	0.70	52.08	74.00	21.92
7320.000	40.63	AV	H	0.70	41.33	54.00	12.67
7320.000	53.43	PK	V	0.70	54.13	74.00	19.87
7320.000	44.28	AV	V	0.70	44.98	54.00	9.02
High Channel:				2480	MHz		
4960.000	54.40	PK	H	-4.18	50.22	74.00	23.78
4960.000	53.09	PK	V	-4.18	48.91	74.00	25.09
7440.000	50.16	PK	H	0.61	50.77	74.00	23.23
7440.000	40.12	AV	H	0.61	40.73	54.00	13.27
7440.000	56.41	PK	V	0.61	57.02	74.00	16.98
7440.000	48.09	AV	V	0.61	48.70	54.00	5.30

Worst radiation spurious emissions margin test plots for each mode

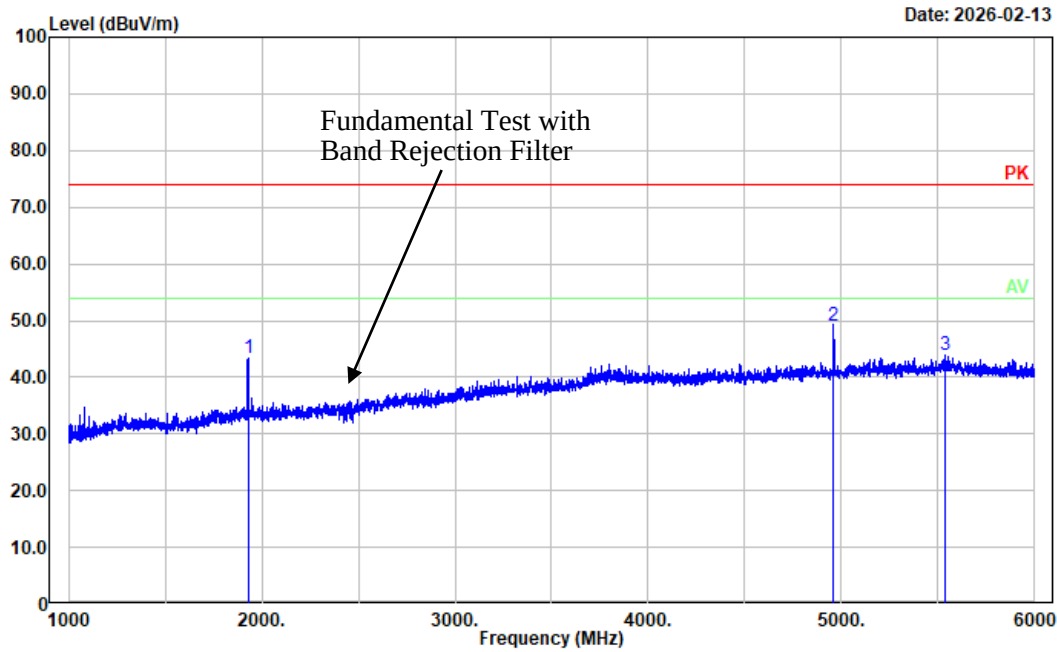
Note: for 18 – 25 GHz range, test was performed on the maximum power mode.

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
Note: 1M High Channel 2480MHz



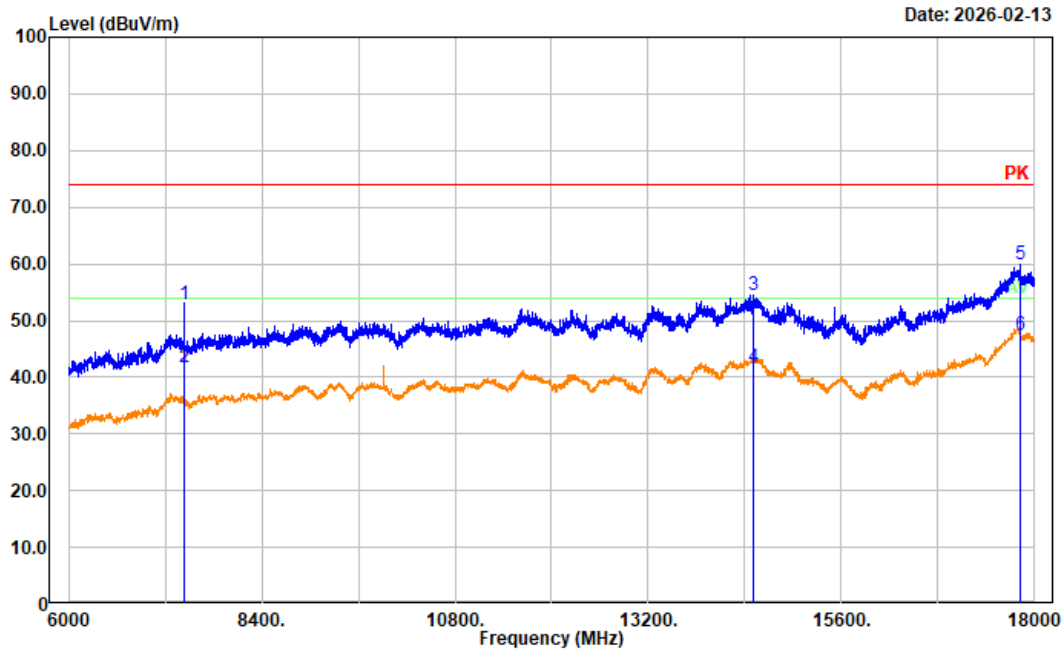
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	3898.000	46.50	-4.42	42.08	74.00	31.92	Peak
2	4960.000	55.26	-4.18	51.08	74.00	22.92	Peak
3	5581.000	46.71	-2.74	43.97	74.00	30.03	Peak

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 1M High Channel 2480MHz



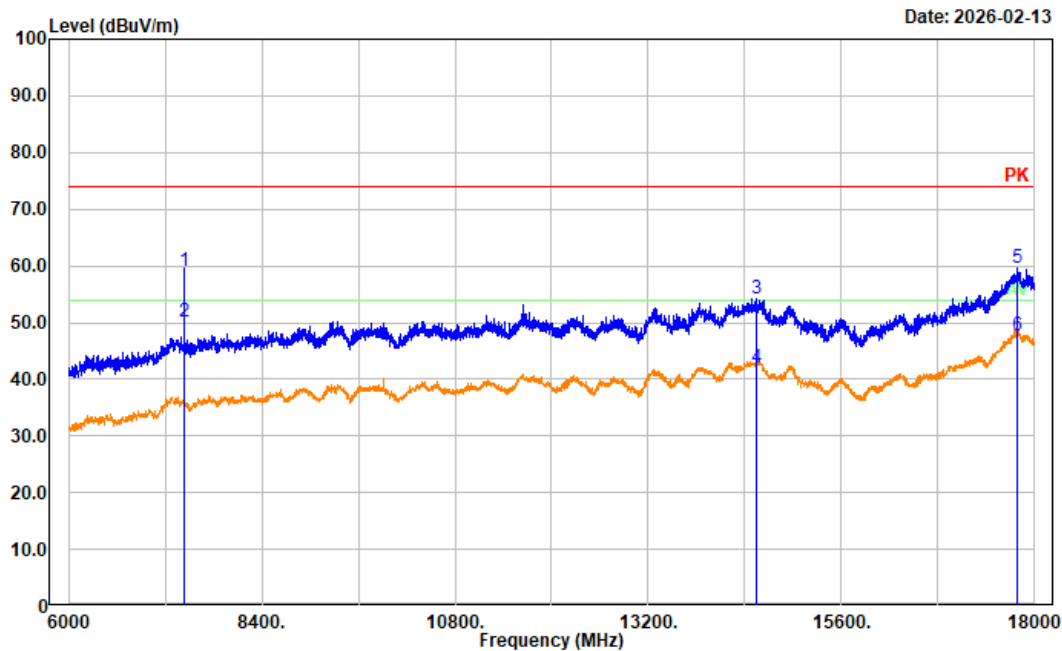
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	1929.000	56.79	-13.45	43.34	74.00	30.66	Peak
2	4960.000	53.34	-4.18	49.16	74.00	24.84	Peak
3	5540.000	46.70	-2.83	43.87	74.00	30.13	Peak

Project No: CR231059235-RF-A1
 Tester: HuaYuan
 Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
 Polarization: horizontal
 Note: 1M High Channel 2480MHz



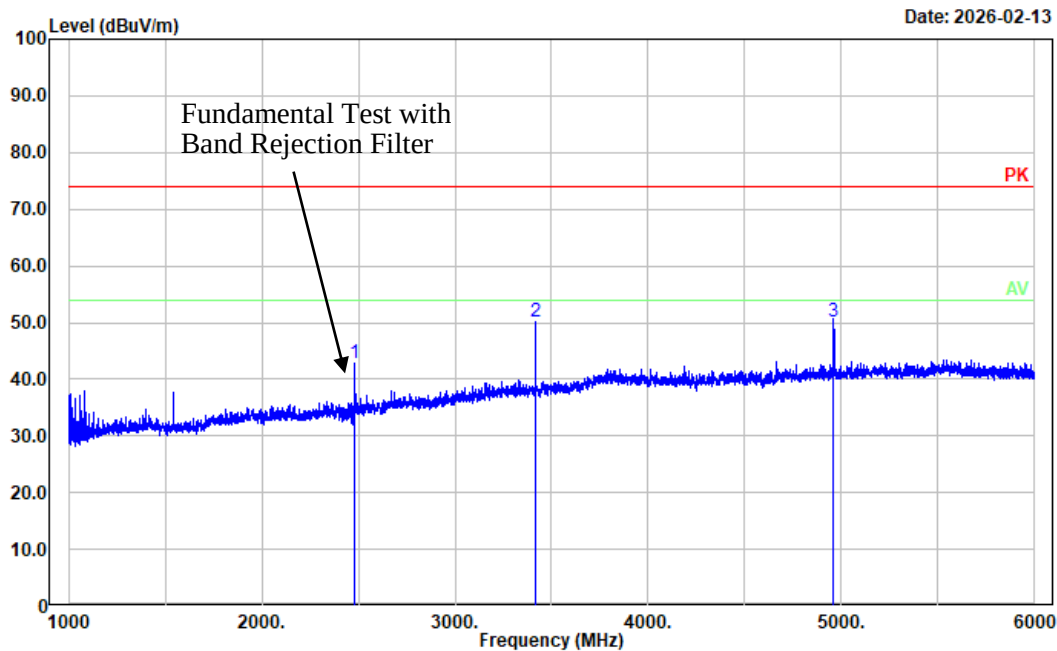
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7440.000	52.14	0.61	52.75	74.00	21.25	Peak
2	7440.000	41.02	0.61	41.63	54.00	12.37	Average
3	14512.800	46.24	8.26	54.50	74.00	19.50	Peak
4	14512.800	33.38	8.26	41.64	54.00	12.36	Average
5	17822.400	45.51	14.50	60.01	74.00	13.99	Peak
6	17822.400	32.81	14.50	47.31	54.00	6.69	Average

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: vertical
Note: 1M High Channel 2480MHz



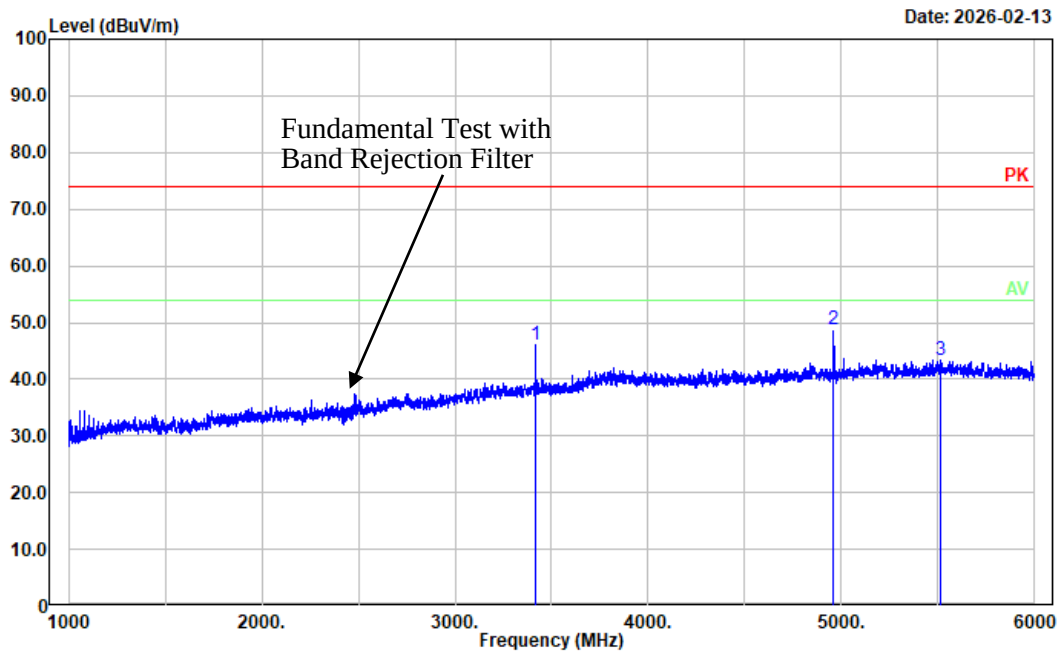
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7440.000	58.45	0.61	59.06	74.00	14.94	Peak
2	7440.000	49.52	0.61	50.13	54.00	3.87	Average
3	14548.800	45.90	8.37	54.27	74.00	19.73	Peak
4	14548.800	33.75	8.37	42.12	54.00	11.88	Average
5	17776.800	45.15	14.47	59.62	74.00	14.38	Peak
6	17776.800	33.12	14.47	47.59	54.00	6.41	Average

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
Note: 2M High Channel 2480MHz



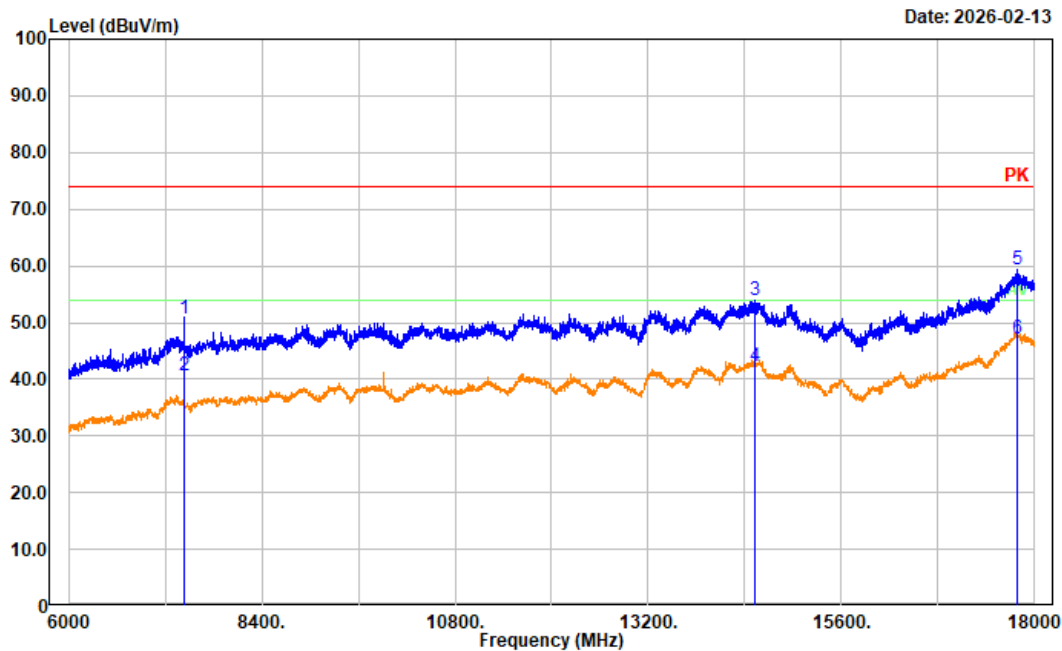
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2482.000	54.72	-11.81	42.91	74.00	31.09	Peak
2	3419.000	56.03	-5.92	50.11	74.00	23.89	Peak
3	4960.000	54.40	-4.18	50.22	74.00	23.78	Peak

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 2M High Channel 2480MHz



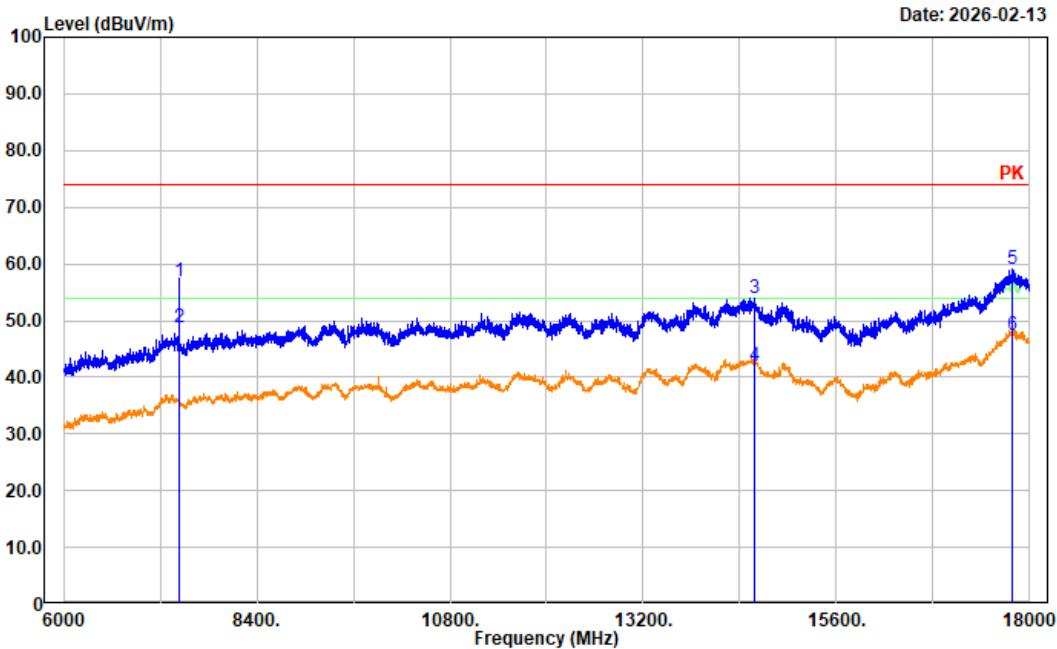
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	3419.000	52.11	-5.92	46.19	74.00	27.81	Peak
2	4960.000	53.09	-4.18	48.91	74.00	25.09	Peak
3	5512.000	46.27	-2.89	43.38	74.00	30.62	Peak

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: horizontal
Note: 2M High Channel 2480MHz



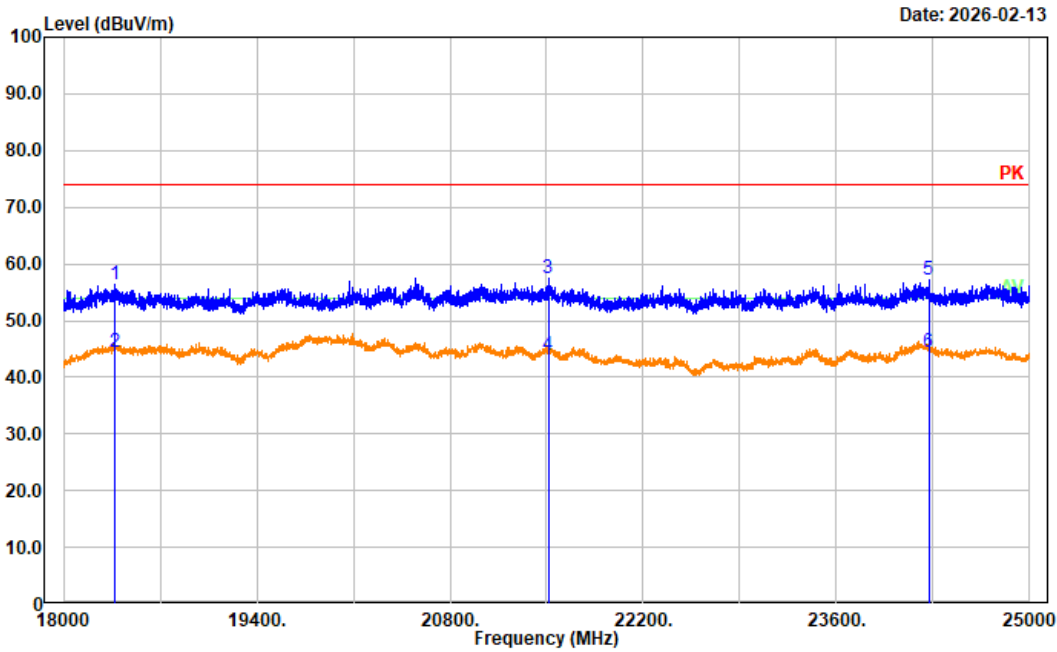
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7440.000	50.16	0.61	50.77	74.00	23.23	Peak
2	7440.000	40.12	0.61	40.73	54.00	13.27	Average
3	14529.600	45.63	8.31	53.94	74.00	20.06	Peak
4	14529.600	34.00	8.31	42.31	54.00	11.69	Average
5	17776.800	44.96	14.47	59.43	74.00	14.57	Peak
6	17776.800	32.55	14.47	47.02	54.00	6.98	Average

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: vertical
Note: 2M High Channel 2480MHz



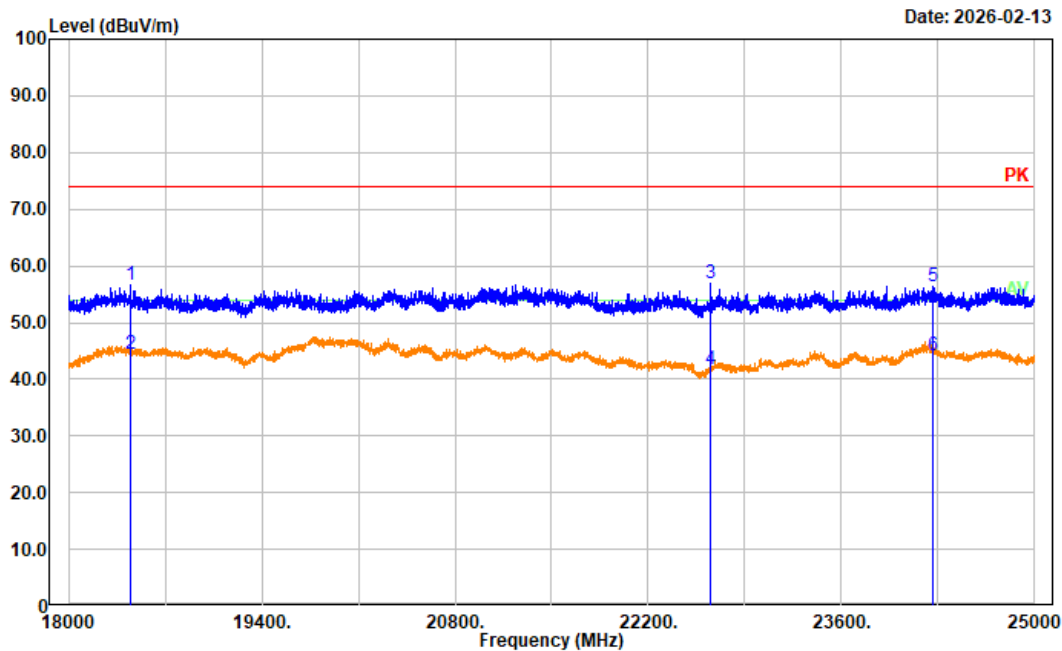
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7440.000	56.41	0.61	57.02	74.00	16.98	Peak
2	7440.000	48.09	0.61	48.70	54.00	5.30	Average
3	14582.400	45.43	8.48	53.91	74.00	20.09	Peak
4	14582.400	33.55	8.48	42.03	54.00	11.97	Average
5	17784.000	44.60	14.47	59.07	74.00	14.93	Peak
6	17784.000	32.84	14.47	47.31	54.00	6.69	Average

Project No: CR231059235-RF-A1
 Tester: HuaYuan
 Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
 Polarization: Horizontal
 Note: 1M High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	18372.400	51.72	4.62	56.34	74.00	17.66	Peak
2	18372.400	39.81	4.62	44.43	54.00	9.57	Average
3	21511.200	52.90	4.64	57.54	74.00	16.46	Peak
4	21511.200	39.33	4.64	43.97	54.00	10.03	Average
5	24267.800	52.42	4.67	57.09	74.00	16.91	Peak
6	24267.800	39.79	4.67	44.46	54.00	9.54	Average

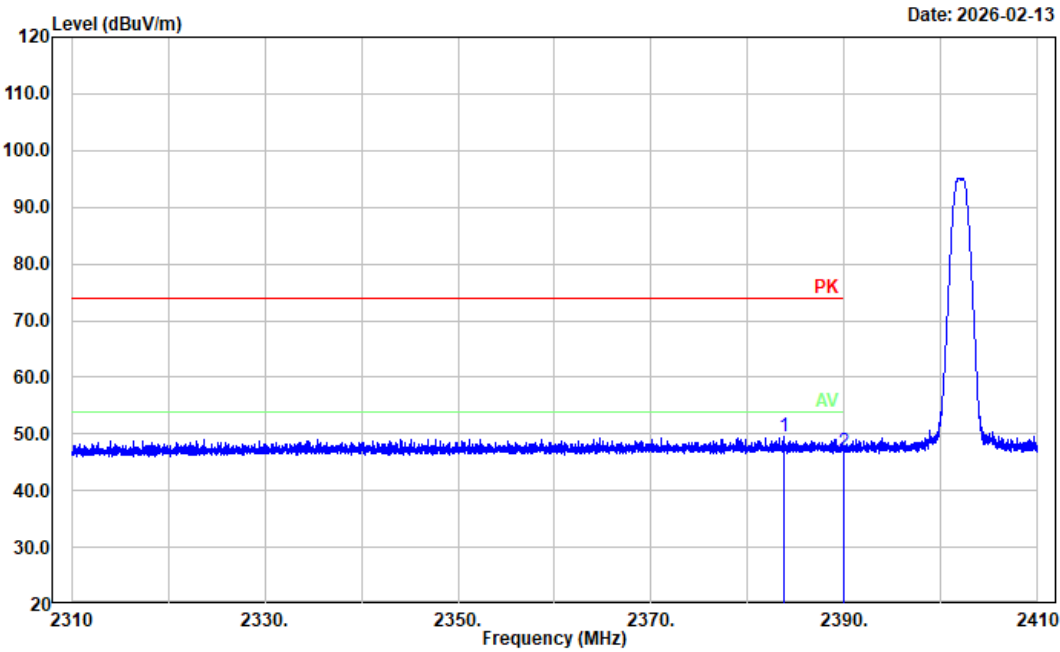
Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz;SWT:auto
Polarization: Vertical
Note: 1M High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	18446.600	49.84	6.83	56.67	74.00	17.33	Peak
2	18446.600	37.54	6.83	44.37	54.00	9.63	Average
3	22653.600	48.94	7.85	56.79	74.00	17.21	Peak
4	22653.600	33.86	7.85	41.71	54.00	12.29	Average
5	24263.600	48.97	7.48	56.45	74.00	17.55	Peak
6	24263.600	36.68	7.48	44.16	54.00	9.84	Average

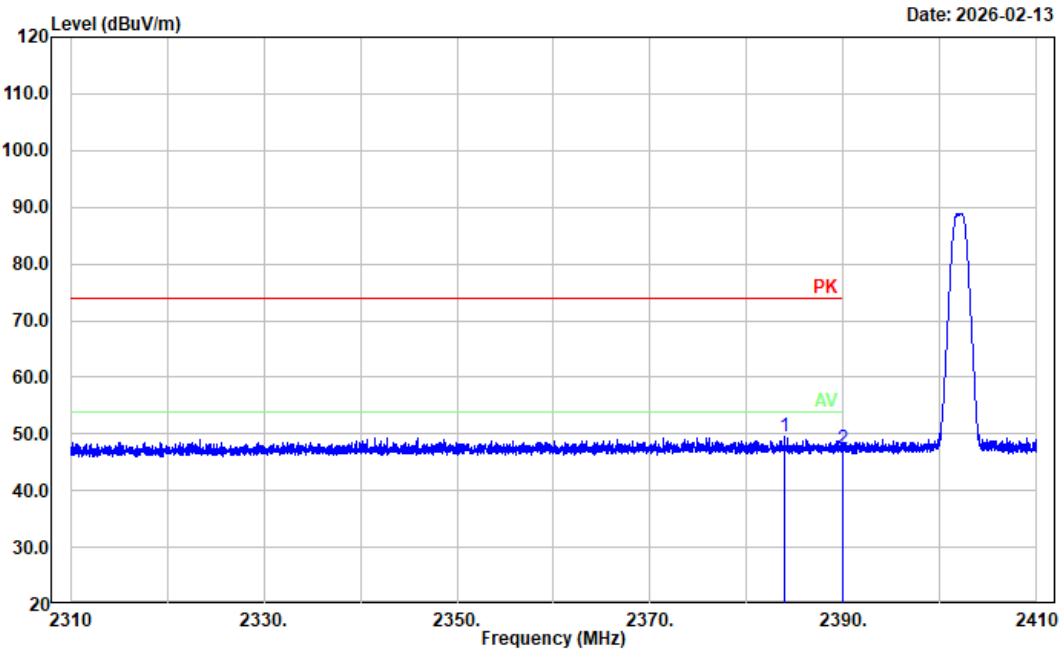
Band edge test plots

Project No: CR231059235-RF-A1
 Tester: HuaYuan
 Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
 Polarization: Horizontal
 Note: 1M Low Channel 2402MHz



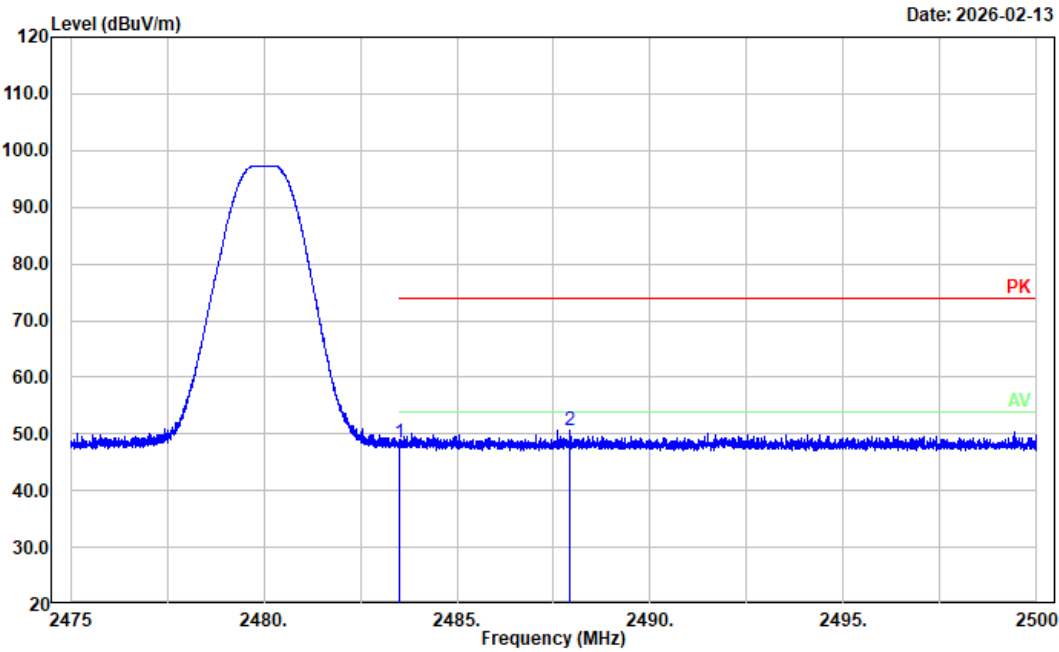
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2383.760	61.53	-12.09	49.44	74.00	24.56	Peak
2	2390.000	58.94	-12.06	46.88	74.00	27.12	Peak

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: 1M Low Channel 2402MHz



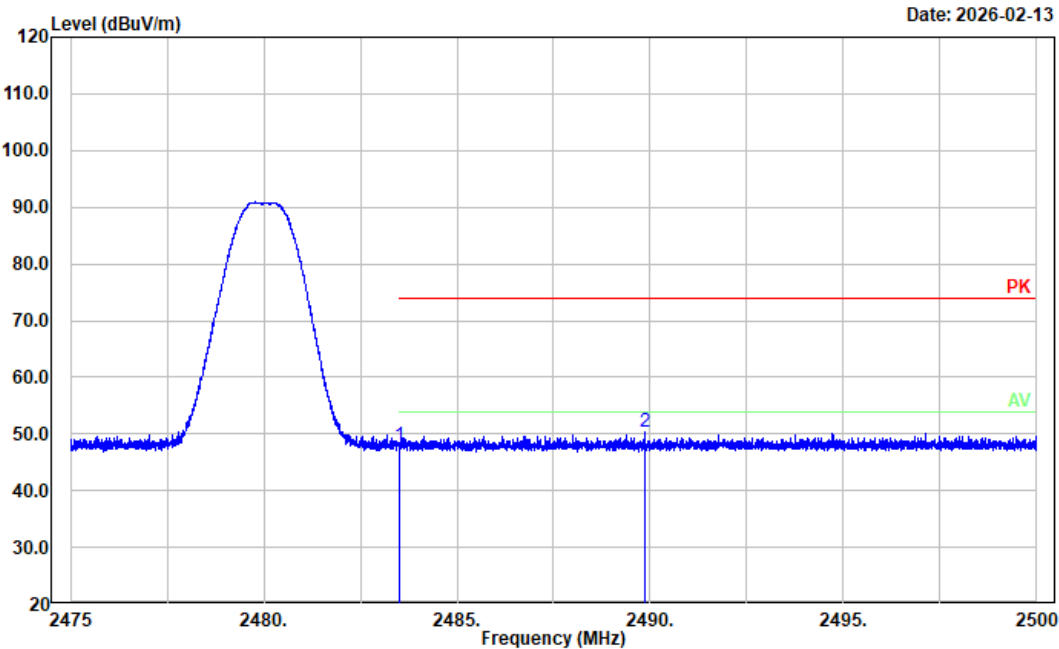
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2383.840	61.71	-12.09	49.62	74.00	24.38	Peak
2	2390.000	59.32	-12.06	47.26	74.00	26.74	Peak

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: 1M High Channel 2480MHz



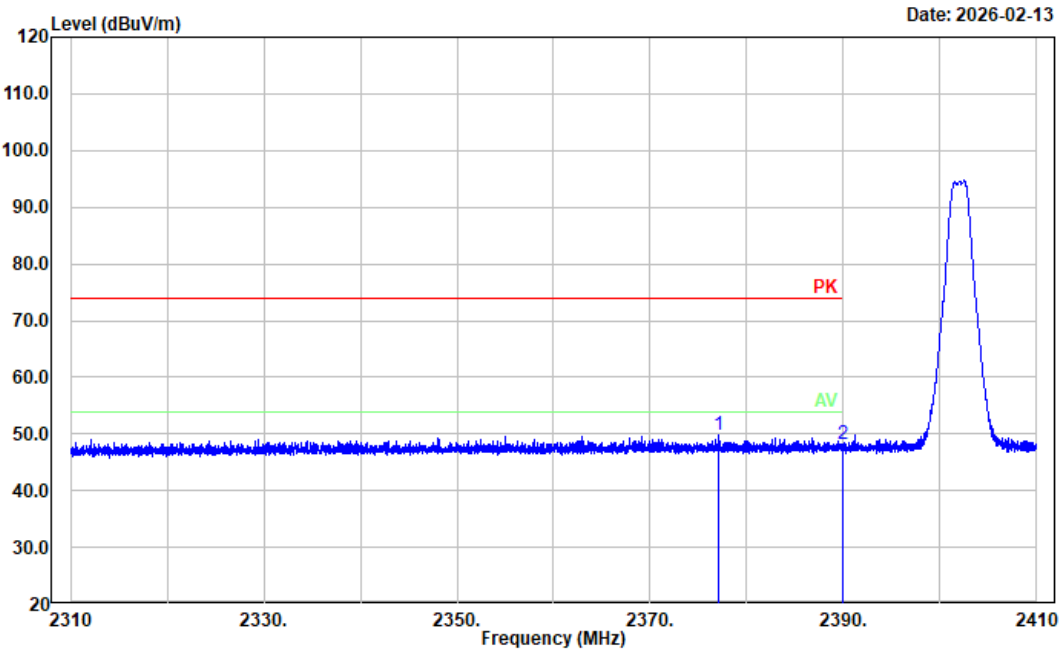
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2483.500	60.36	-11.80	48.56	74.00	25.44	Peak
2	2487.920	62.50	-11.79	50.71	74.00	23.29	Peak

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: 1M High Channel 2480MHz



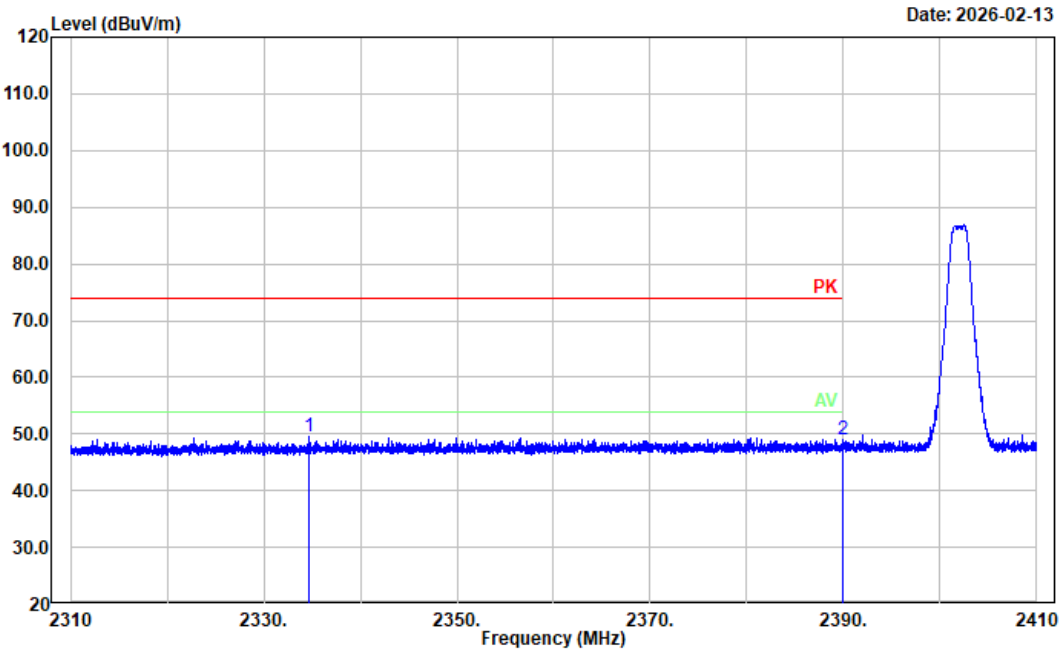
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2483.500	59.78	-11.80	47.98	74.00	26.02	Peak
2	2489.875	62.02	-11.78	50.24	74.00	23.76	Peak

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: 2M Low Channel 2402MHz



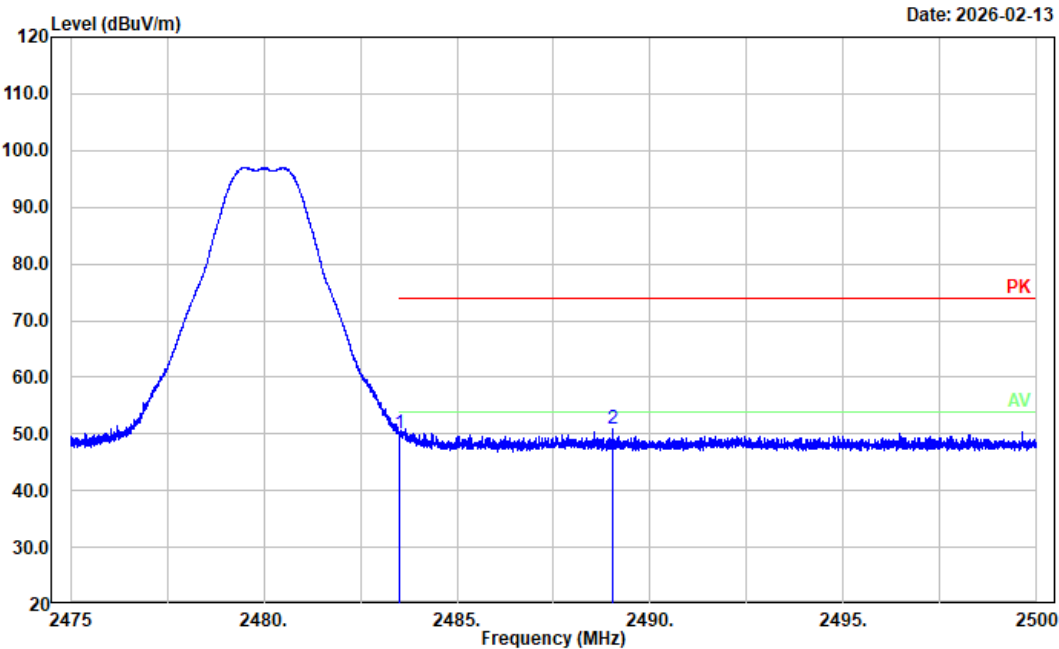
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2377.140	61.89	-12.11	49.78	74.00	24.22	Peak
2	2390.000	60.33	-12.06	48.27	74.00	25.73	Peak

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: 2M Low Channel 2402MHz



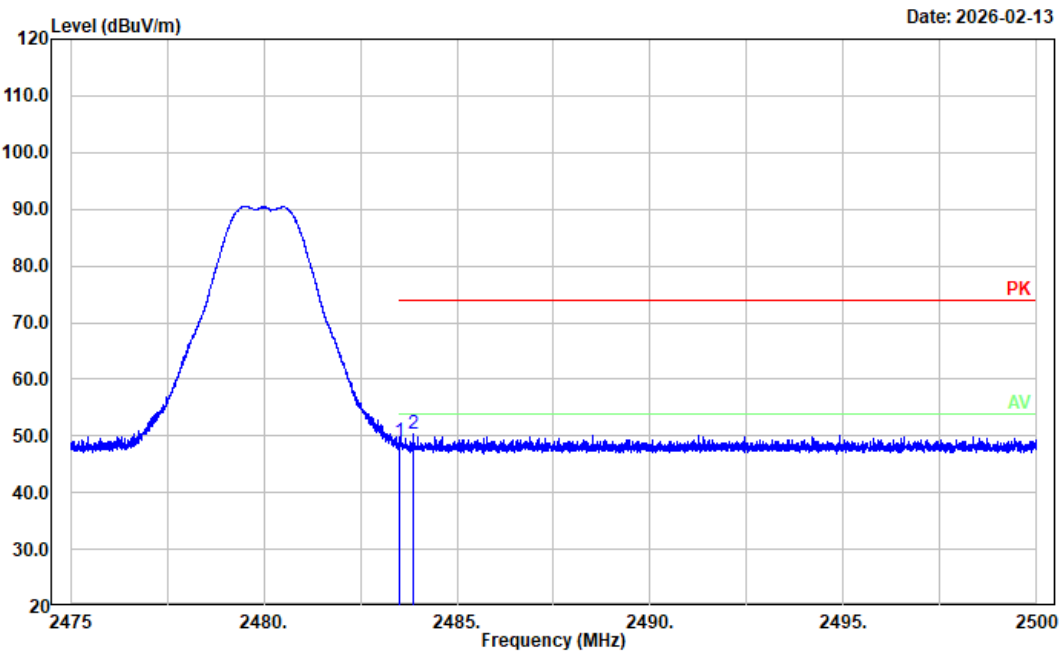
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2334.660	62.01	-12.36	49.65	74.00	24.35	Peak
2	2390.000	60.93	-12.06	48.87	74.00	25.13	Peak

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: 2M High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2483.500	61.78	-11.80	49.98	74.00	24.02	Peak
2	2489.035	62.62	-11.79	50.83	74.00	23.17	Peak

Project No: CR231059235-RF-A1
Tester: HuaYuan
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: 2M High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2483.500	60.84	-11.80	49.04	74.00	24.96	Peak
2	2483.865	62.05	-11.80	50.25	74.00	23.75	Peak

4.2 Maximum Conducted Output Power

Test Information:

Sample No.:	3CFV-1	Test Date:	2026/3/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Zoey Song	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.3	Relative Humidity: (%)	52	ATM Pressure: (kPa)	101.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2025/3/31	2026/3/30
eastsheep	Coaxial Attenuator	2W-SMA- JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	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:

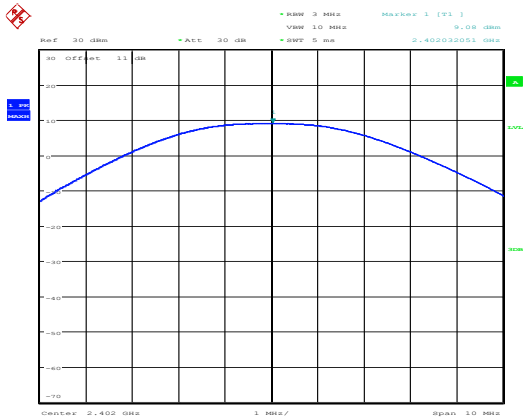
Test Modes	Test Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)	Limit (dBm)
2Mbps	2402	9.08	≤ 30
	2440	9.06	≤ 30
	2480	8.93	≤ 30

Note:

The Spot Check data were similar to the original data.

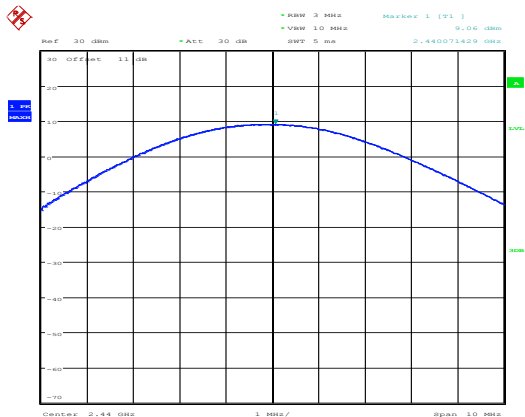
2M

Low Channel



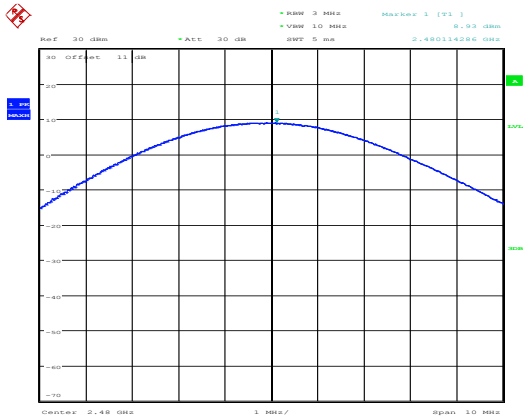
ProjectNo.:CR231059235-RF-A1 Tester:Zoey Song
Date: 11.MAR.2026 20:16:14

Middle Channel



ProjectNo.:CR231059235-RF-A1 Tester:Zoey Song
Date: 11.MAR.2026 18:25:04

High Channel



ProjectNo.:CR231059235-RF-A1 Tester:Zoey Song
Date: 11.MAR.2026 18:25:47

5. RF EXPOSURE EVALUATION

5.1 Applicable Standard

According to §15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

5.2 Measurement Result

Frequency (MHz)	Conducted Output Power Including Tolerance		Distance (mm)	Calculated value	Threshold (1-g)	SAR Test Exclusion
	(dBm)	(mW)				
2402-2480	9.2	8.32	5	2.6	3	Yes

Note: The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.

Result: Compliant. The stand-alone SAR test is not necessary.

6. EUT PHOTOGRAPHS

Please refer to the attachment CR231059235-RF-A1-EXP EUT EXTERNAL PHOTOGRAPHS and CR231059235-RF-A1-INP EUT INTERNAL PHOTOGRAPHS

7. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR231059235-RF-00A1-TSP TEST SETUP PHOTOGRAPHS.

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