



## FCC PART 15B

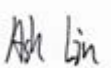
### TEST REPORT

For

## PO FUNG ELECTRONIC (HK) INTERNATIONAL GROUP COMPANY LIMITED

Room 1508, 15/F, Office Tower II, Grand Plaza, 625 Nathan Road, Kowloon, Hong Kong

**FCC ID: 2AJGM-5RMINI**

<b>Report Type:</b> Original Report	<b>Product Name:</b> Amateur Radio
<b>Report Number:</b>	<u>2507U08566E-EM-01</u>
<b>Report Date:</b>	<u>2025-07-08</u>
<b>Reviewed By:</b>	<u>Ash Lin</u> 
<b>Approved By:</b>	<u>Miles Chen</u>
<b>Prepared By:</b>	Bay Area Compliance Laboratories Corp. (Xiamen) Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen Tel: +86-592-3200111 <a href="http://www.baclcorp.com.cn">www.baclcorp.com.cn</a>

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2507U08566E-EM-01	R1V1	2025-07-08	Initial Release

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

Applicant:		PO FUNG ELECTRONIC (HK) INTERNATIONAL GROUP COMPANY LIMITED
Product Name:		Amateur Radio
Tested Model:		UV-5R Mini
Multiple Model(s):		5R Mini, NA-5R Mini, BF-5R Mini, AR-5R Mini, GT-5R Mini, TH5R Mini, 5R Mini-B, BF-5R Mini-B, NA-5R Mini V2
Trade mark:		BAOFENG, pofung, ALERVITES
Power Supply:		DC 7.4V from battery or DC 5V from adapter
Adapter information:	Model:	A318-050100W-US2
	Input:	AC 100-240V, 50-60Hz, 0.2A
	Output:	DC 5V, 1A
★Highest Operating Frequency:		520 MHz
EUT Receive Status:		Good
<i>Note:</i> 1. The highest operating frequency is provided by the applicant. 2. The test model is identify with the series model except for the model name, please refer to declaration letter for more detail. 3. All measurement and test data in this report was gathered from production sample serial number: 35B6-1 (Assigned by the BACL (Xiamen). The EUT was received on 2025-06-23).		

### Objective

This report is prepared for *PO FUNG ELECTRONIC (HK) INTERNATIONAL GROUP COMPANY LIMITED* in accordance with Part 2-Subpart J, and Part 15-Subparts A and B of the Federal Communication Commission's rules.

### Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

## Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the product as specified in CISPR 16-4-2. This uncertainty represents expanded uncertainty expressed at 95% confidence level using a coverage factor of k=2.

$$u_c(y) = \sqrt{\sum_i c_i^2 u^2(x_i)}$$

Item	Frequency Range	$U_{lab} = 2 u_c(y)$ (Confidence of 95%)
Conducted Emission	150kHz-30MHz	2.45dB
Radiated Emission	30MHz~200MHz	3.47dB
	200MHz~1GHz	4.86dB
	1GHz~6GHz	4.88dB
Unwanted Emissions, conducted		2.92dB
Humidity		5%
Temperature		1°C

## SYSTEM TEST CONFIGURATION

### Test Mode and Voltage

The system was configured for testing in a typical mode (as normally used by a typical user).	
Test mode:	Test Mode 1: Charging & Scanning Test Mode 2: Charging & Receiving
Test voltage:	Test Mode 1&2: DC 5V from adapter (AC 120V/60Hz)

### Description of Test Configuration

Operation Modes	Operation Frequency Range (MHz)	Test Frequency (MHz)
Scanning	108-136 136-174 350-390 400-520	108-136 136-174 350-390 400-520
VHF Receiving	108-136 136-174	108.0125, 122, 135.9875 136.0125, 155, 173.9875
UHF Receiving	350-390 400-520	350.0125, 370, 389.9875 400.0125, 460, 519.9875

### EUT Exercise Software

No exercise software was used to test.

### Special Accessories

No special accessory was used.

### Equipment Modifications

No modification was made to the EUT tested.

### Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
HP	RF Communications test set	8920A	3524A07202
Unknown	Antenna	Unknown	Unknown

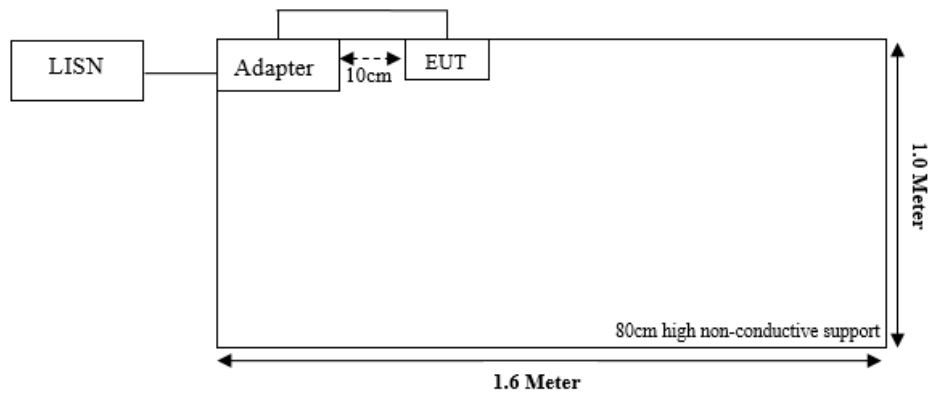
### External I/O Cable

Cable Description	Length (m)	From Port	To Port
Antenna Cable	3.0	8920A	Antenna

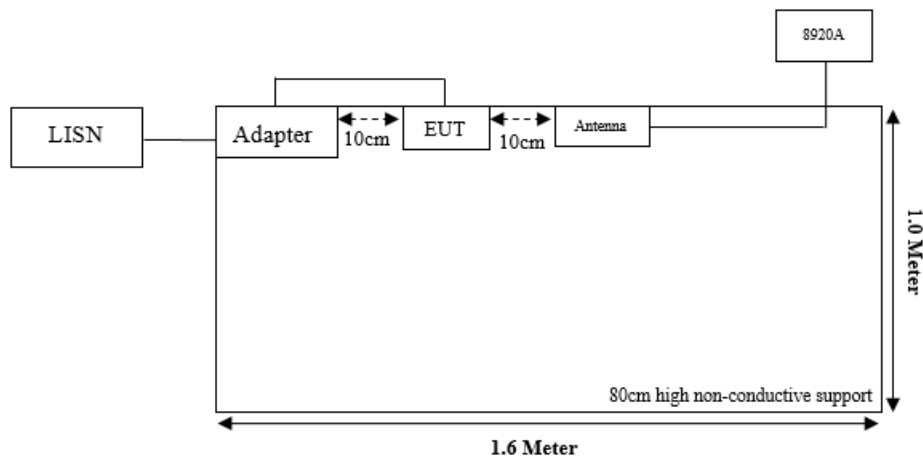
## Block Diagram of Test Setup

Conducted Emission:

Test Mode 1:

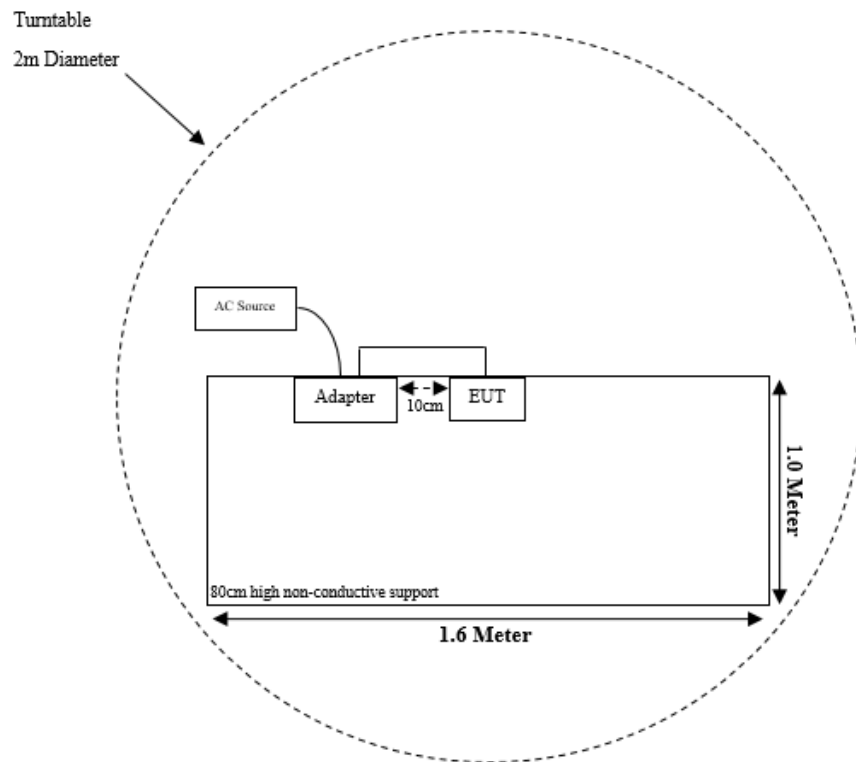


Test Mode 2:

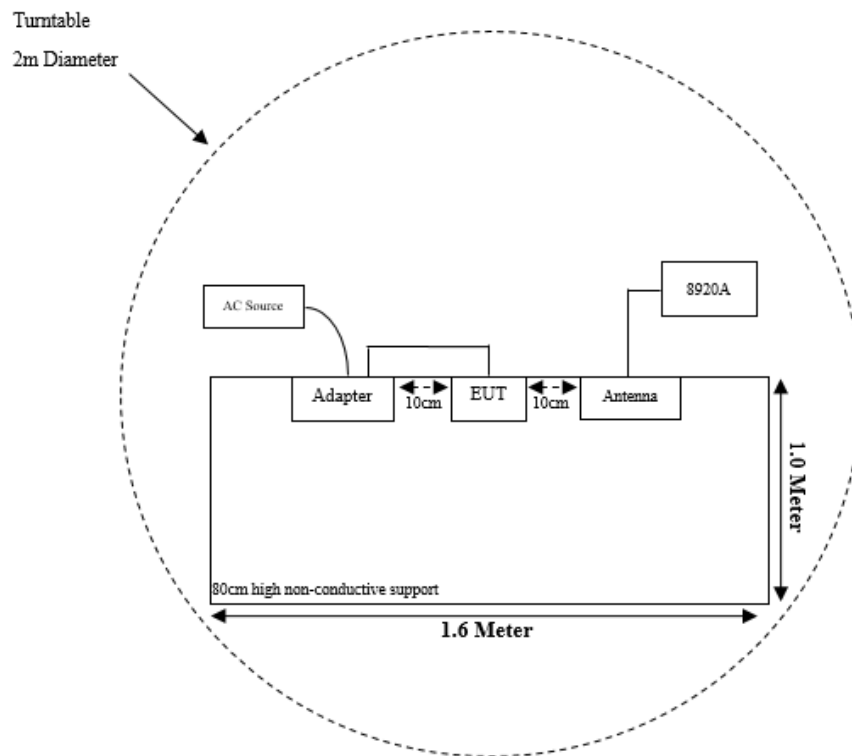


Radiated Emission:

Test Mode 1:



Test Mode 2:





**SUMMARY OF TEST RESULTS**

Rule Part	Description of Test	Results
FCC§15.107	Conducted Emission	Compliant
FCC§15.109	Radiated Emission	Compliant
FCC §15.121(b)	Scanning receivers and frequency converters used with scanning receivers	Compliant

**TEST EQUIPMENT LIST**

Test Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
<b>Conducted Emission</b>					
EMI Test Receiver	Rohde & Schwarz	ESR	103105	2025/02/20	2026/02/19
LISN	Rohde & Schwarz	ENV216	100129	2025/02/20	2026/02/19
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	0357.8810.54	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC001	2025/02/20	2026/02/19
Test Software	Audix	E3	18621a	N/A	N/A
<b>Radiated Emission 30 MHz to 1 GHz</b>					
EMI Test Receiver	Rohde & Schwarz	ESR	103103	2025/02/20	2026/02/19
Antenna	Sunol Sciences	JB6	A122022-5	2023/07/27	2026/07/26
Amplifier	Sonoma	310B	120903	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC002	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-2M	CC006	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-12M	CC007	2025/02/20	2026/02/19
Test Software	Audix	E3	18621a	N/A	N/A
<b>Radiated Emission Above 1 GHz</b>					
Spectrum Analyzer	Rohde & Schwarz	FSU	100405	2025/02/20	2026/02/19
Horn Antenna	EMCO	3115	9002-3355	2024/11/19	2027/11/18
Preamplifier	GLOBAL	1313-A100M18G	4121301	2025/01/16	2026/01/15
Coaxial Cable	XINHANGWEIBO	XH800A-N-6M	CC003	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH800A-N-1M	CC005	2025/02/20	2026/02/19
Test Software	Audix	E3	18621a	N/A	N/A
<b>Scanning Receiver</b>					
Coaxial Cable	WEIHE	WH316	RFCC002	Each time	Each time
RF Communications test set	HP	8920A	3524A07202	2025/04/13	2026/04/12
Power Splitter	narda	4426LB-2	1661	Each time	Each time
Microwave Analog Signal Generator	Agilent	N5181A	MY48180319	2025/2/20	2026/2/19
Attenuator	Electronic Corporation	30-WA-FFN-30	1172435	2025/2/20	2026/2/19

**Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Xiamen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

## FCC §15.107 - CONDUCTED EMISSION

### Applicable Standard

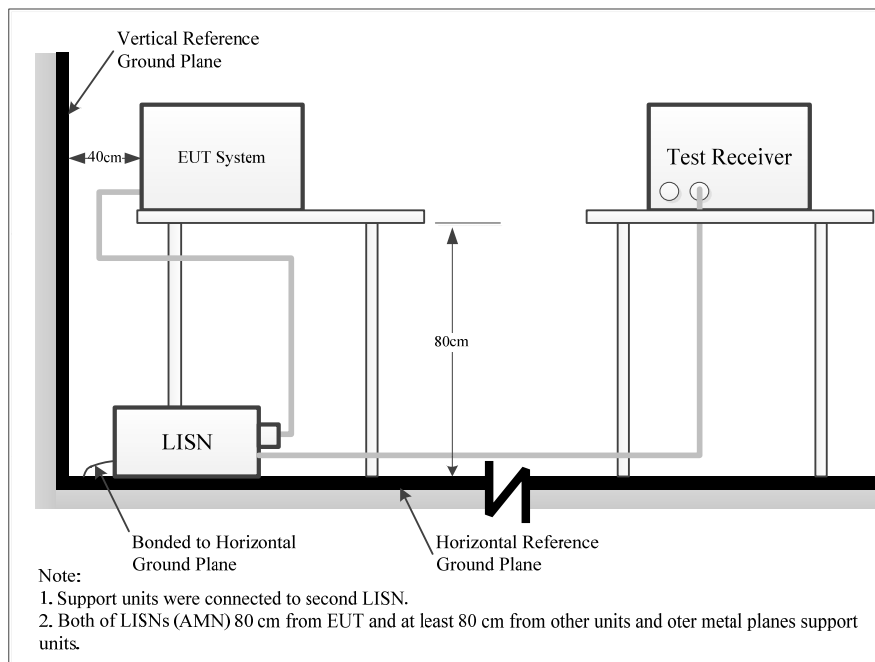
FCC §15.107

(a) Except for Class A digital devices, for equipment 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  $\mu$ 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 band edges.

Frequency of emission (MHz)	Conducted limit (dB $\mu$ 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.

### Test System Setup



The measurement procedure of test setup is according with ANSI C63.4-2014. The related limit was specified in FCC Part 15.107 Class B limits.

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

The spacing between the peripherals was 10 cm.

## EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz

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

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

## Test Procedure

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.

## Result & Margin Calculation

The Result is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

$$\begin{aligned}\text{Factor (dB)} &= \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)} \\ \text{Result (dB}\mu\text{V)} &= \text{Reading (dB}\mu\text{V)} + \text{Factor (dB)}\end{aligned}$$

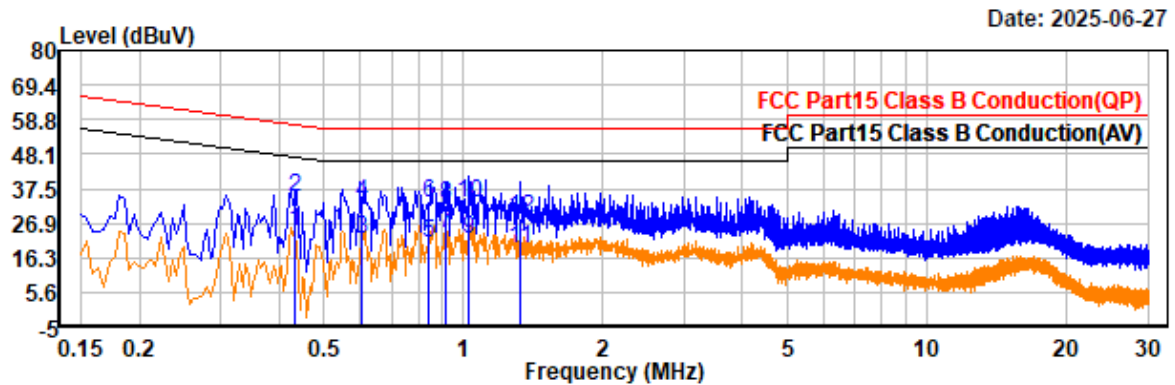
The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V)} - \text{Result (dB}\mu\text{V)}$$

**Test Data (Worst case)**

Project No.: 2507U08566E-EM  
Test Mode: Mode 1(400-520MHz)  
EUT Model: UV-5R Mini

Temp/Humi/ATM: 23.8°C/56%/99.8kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)



Trace: 1

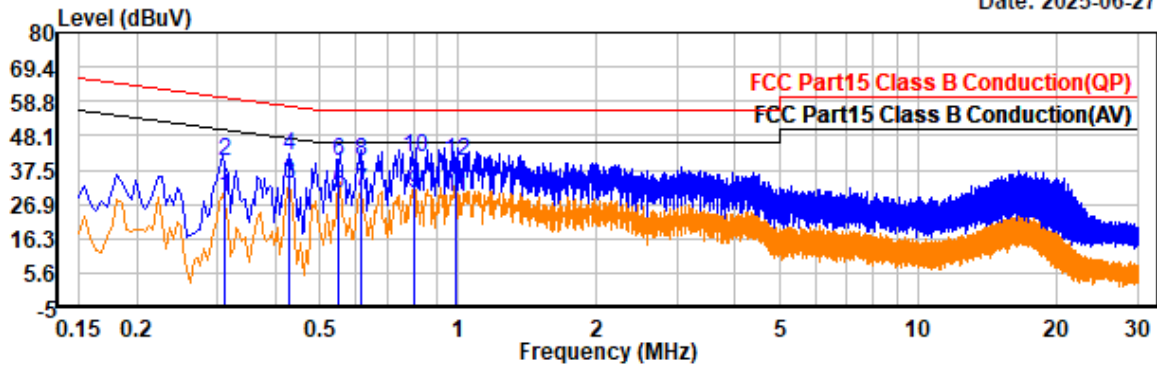
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBUV	Factor dB	Result dBUV	Limit dBUV	Margin dB	Phase	Remark
0.43	4.11	20.34	24.45	47.18	22.73	Line	Average
0.43	14.78	20.34	35.12	57.18	22.06	Line	QP
0.60	1.66	20.41	22.07	46.00	23.93	Line	Average
0.60	12.91	20.41	33.32	56.00	22.68	Line	QP
0.84	0.23	20.72	20.95	46.00	25.05	Line	Average
0.84	12.50	20.72	33.22	56.00	22.78	Line	QP
0.92	2.70	20.82	23.52	46.00	22.48	Line	Average
0.92	11.61	20.82	32.43	56.00	23.57	Line	QP
1.03	1.17	20.93	22.10	46.00	23.90	Line	Average
1.03	12.07	20.93	33.00	56.00	23.00	Line	QP
1.32	-2.20	21.00	18.80	46.00	27.20	Line	Average
1.32	7.34	21.00	28.34	56.00	27.66	Line	QP

Project No.: 2507U08566E-EM  
Test Mode: Mode 1(400-520MHz)  
EUT Model: UV-5R Mini

Temp/Humi/ATM: 23.8°C/56%/99.8kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-27



Trace: 1

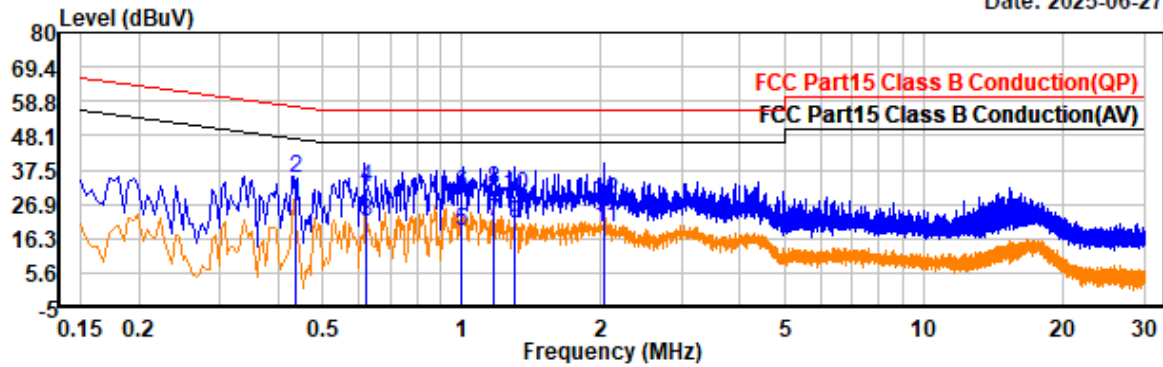
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.31	8.37	20.54	28.91	49.96	21.05	Neutral	Average
0.31	19.48	20.54	40.02	59.96	19.94	Neutral	QP
0.43	12.39	20.44	32.83	47.30	14.47	Neutral	Average
0.43	21.19	20.44	41.63	57.30	15.67	Neutral	QP
0.55	10.09	20.36	30.45	46.00	15.55	Neutral	Average
0.55	20.04	20.36	40.40	56.00	15.60	Neutral	QP
0.62	10.50	20.34	30.84	46.00	15.16	Neutral	Average
0.62	19.51	20.34	39.85	56.00	16.15	Neutral	QP
0.80	9.70	20.54	30.24	46.00	15.76	Neutral	Average
0.80	20.79	20.54	41.33	56.00	14.67	Neutral	QP
0.99	8.15	20.90	29.05	46.00	16.95	Neutral	Average
0.99	19.14	20.90	40.04	56.00	15.96	Neutral	QP

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(519.9875MHz)  
EUT Model: UV-5R Mini

Temp/Humi/ATM: 23.8°C/56%/99.8kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-27



Trace: 1

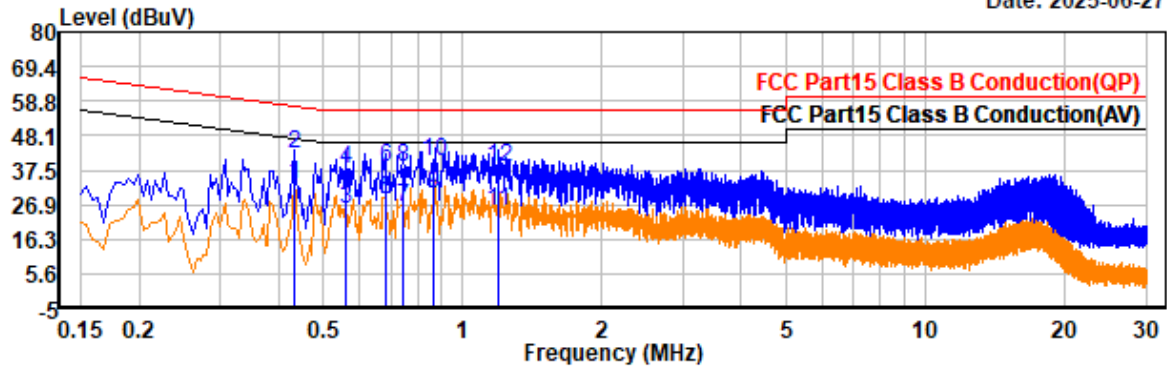
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.44	5.86	20.33	26.19	47.14	20.95	Line	Average
0.44	14.70	20.33	35.03	57.14	22.11	Line	QP
0.62	1.22	20.43	21.65	46.00	24.35	Line	Average
0.62	11.59	20.43	32.02	56.00	23.98	Line	QP
1.00	-2.46	20.92	18.46	46.00	27.54	Line	Average
1.00	9.05	20.92	29.97	56.00	26.03	Line	QP
1.17	0.14	20.97	21.11	46.00	24.89	Line	Average
1.17	10.39	20.97	31.36	56.00	24.64	Line	QP
1.31	-0.26	21.00	20.74	46.00	25.26	Line	Average
1.31	8.43	21.00	29.43	56.00	26.57	Line	QP
2.04	-1.65	21.12	19.47	46.00	26.53	Line	Average
2.04	6.90	21.12	28.02	56.00	27.98	Line	QP

Project No.: 2507U08566E-EM  
 Test Mode: Mode 2(519.9875MHz)  
 EUT Model: UV-5R Mini

Temp/Humi/ATM: 23.8°C/56%/99.8kPa  
 Tested by: Apollo Luo  
 Power Source: DC 5V from adapter  
 (AC 120V/60Hz)

Date: 2025-06-27



Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.43	12.80	20.44	33.24	47.18	13.94	Neutral	Average
0.43	21.85	20.44	42.29	57.18	14.89	Neutral	QP
0.56	5.06	20.36	25.42	46.00	20.58	Neutral	Average
0.56	17.69	20.36	38.05	56.00	17.95	Neutral	QP
0.68	7.88	20.31	28.19	46.00	17.81	Neutral	Average
0.68	18.15	20.31	38.46	56.00	17.54	Neutral	QP
0.74	5.74	20.40	26.14	46.00	19.86	Neutral	Average
0.74	17.85	20.40	38.25	56.00	17.75	Neutral	QP
0.87	9.29	20.67	29.96	46.00	16.04	Neutral	Average
0.87	19.60	20.67	40.27	56.00	15.73	Neutral	QP
1.19	3.81	20.95	24.76	46.00	21.24	Neutral	Average
1.19	17.71	20.95	38.66	56.00	17.34	Neutral	QP



## FCC §15.109 - RADIATED EMISSION IN FREQUENCY

### Applicable Standard

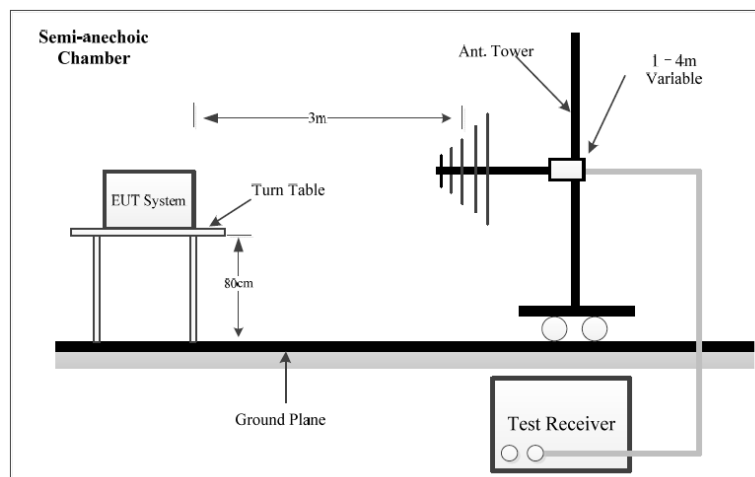
FCC§15.109

(a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

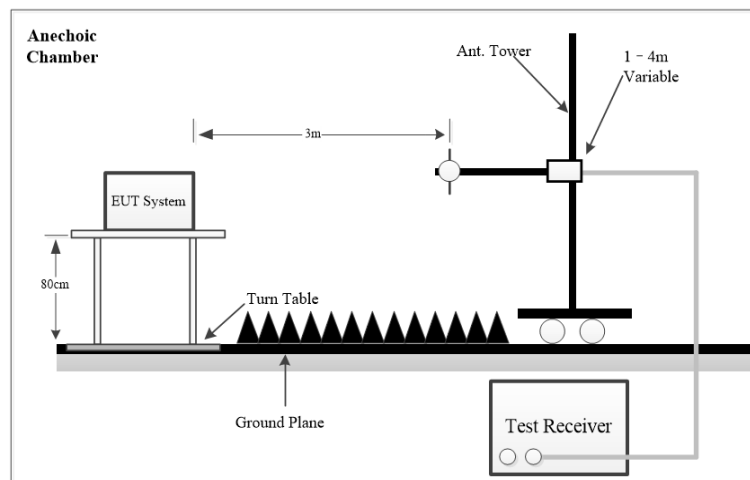
Frequency of emission (MHz)	Field strength (microvolts/meter)
30–88	100
88–216	150
216–960	200
Above 960	500

### Test System Setup

Below 1 GHz:



Above 1 GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

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

The spacing between the peripherals was 10 cm.

### EMI Test Receiver Setup

The system was investigated from 30 MHz to 5 GHz.

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

Frequency Range	RBW	VBW	IF B/W	Measurement	Detector
30 MHz – 1000 MHz	100 kHz	300 kHz	/	PK	PK
	/	/	120 kHz	QP	QP
Above 1 GHz	1 MHz	3 MHz	/	PK	PK
	1 MHz	10 Hz	/	AV	PK

### Test Procedure

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.

### Result & Margin Calculation

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

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

Result (dBμV/m) = Reading (dBμV) + Factor (dB/m)

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

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

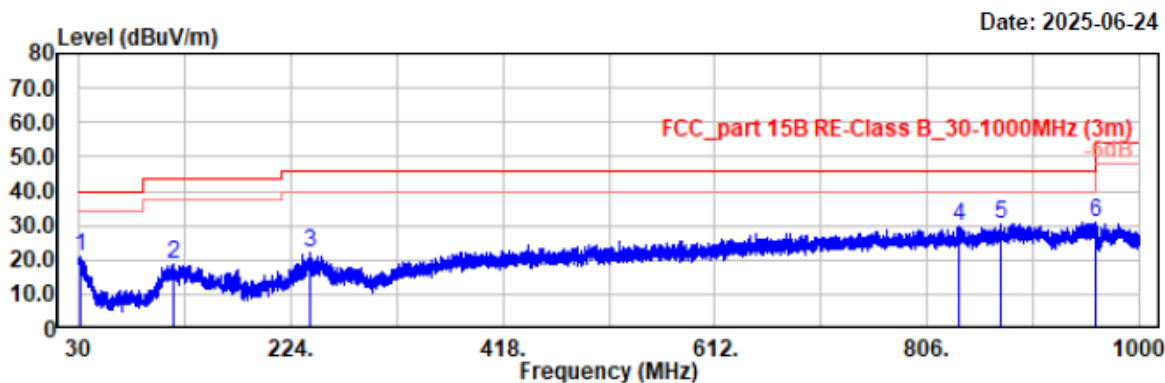
# Test Data

Please refer to below plots:

## 1) 30MHz-1GHz:

Project No.: 2507U08566E-EM  
 Test Mode: Mode 1(108-136MHz)  
 EUT Model: UV-5R Mini  
 Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
 Tested by: Apollo Luo  
 Power Source: DC 5V from adapter  
 (AC 120V/60Hz)



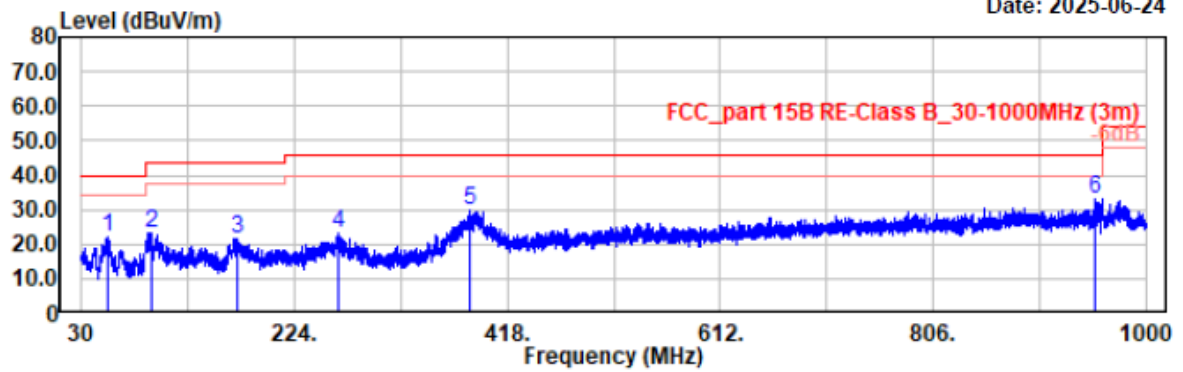
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
31.36	26.97	-6.04	20.93	40.00	19.07	Horizontal	Peak
116.33	29.60	-10.76	18.84	43.50	24.66	Horizontal	Peak
240.88	33.53	-11.65	21.88	46.00	24.12	Horizontal	Peak
835.59	27.99	1.79	29.78	46.00	16.22	Horizontal	Peak
873.32	28.32	2.20	30.52	46.00	15.48	Horizontal	Peak
960.13	27.61	3.38	30.99	54.00	23.01	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 1(108-136MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24

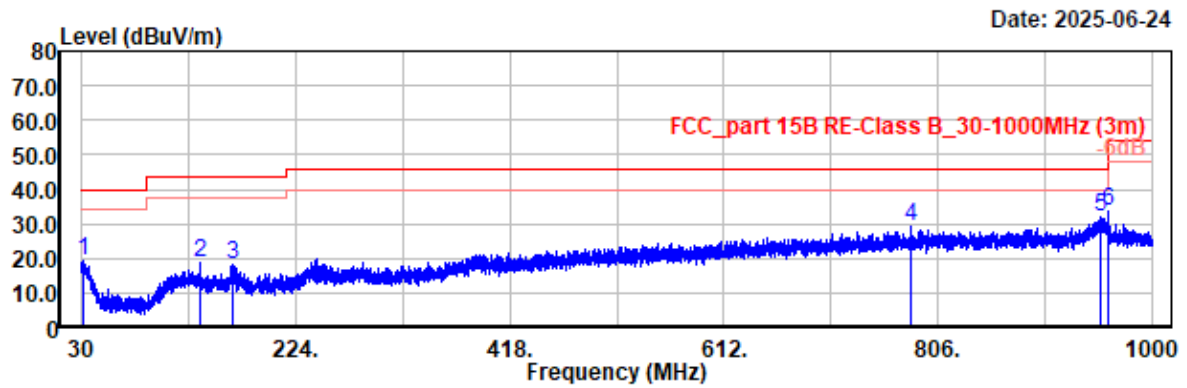


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
53.96	40.00	-17.81	22.19	40.00	17.81	Vertical	Peak
93.63	40.02	-16.64	23.38	43.50	20.12	Vertical	Peak
172.30	33.37	-11.94	21.43	43.50	22.07	Vertical	Peak
263.87	33.65	-10.48	23.17	46.00	22.83	Vertical	Peak
383.37	36.55	-6.97	29.58	46.00	16.42	Vertical	Peak
953.15	29.82	3.21	33.03	46.00	12.97	Vertical	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 1(136-174MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)



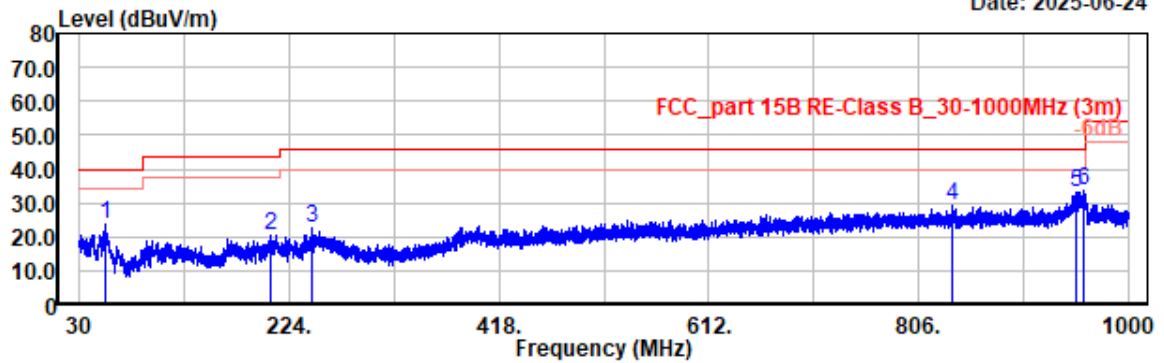
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.68	25.35	-5.77	19.58	40.00	20.42	Horizontal	Peak
137.28	29.36	-10.46	18.90	43.50	24.60	Horizontal	Peak
167.64	29.87	-11.71	18.16	43.50	25.34	Horizontal	Peak
781.17	28.12	1.08	29.20	46.00	16.80	Horizontal	Peak
954.22	28.60	3.24	31.84	46.00	14.16	Horizontal	Peak
960.04	30.19	3.38	33.57	54.00	20.43	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 1(136-174MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24

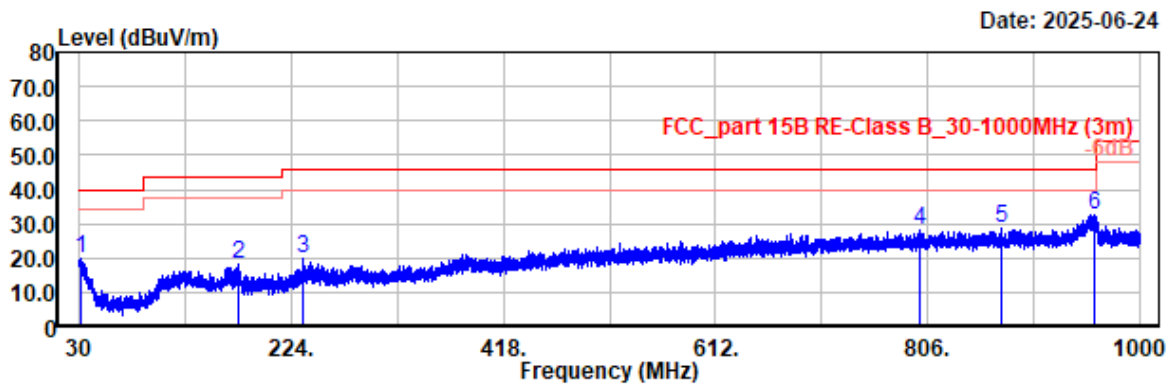


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
53.77	41.35	-17.79	23.56	40.00	16.44	Vertical	Peak
207.22	32.82	-12.32	20.50	43.50	23.00	Vertical	Peak
244.37	34.12	-11.48	22.64	46.00	23.36	Vertical	Peak
837.62	27.27	1.80	29.07	46.00	16.93	Vertical	Peak
952.47	29.75	3.20	32.95	46.00	13.05	Vertical	Peak
959.26	30.35	3.36	33.71	46.00	12.29	Vertical	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 1(350-390MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)



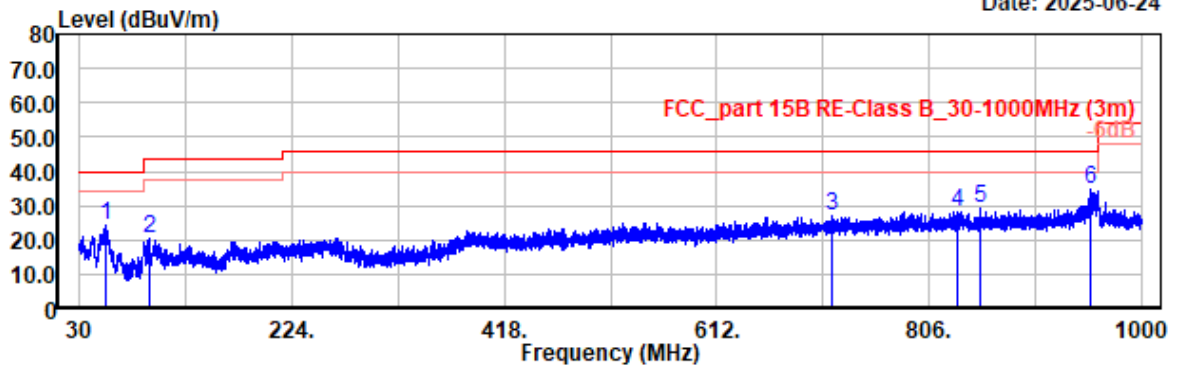
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.78	25.91	-5.79	20.12	40.00	19.88	Horizontal	Peak
175.40	30.34	-12.12	18.22	43.50	25.28	Horizontal	Peak
234.67	31.81	-12.04	19.77	46.00	26.23	Horizontal	Peak
798.82	26.71	1.25	27.96	46.00	18.04	Horizontal	Peak
873.32	26.32	2.20	28.52	46.00	17.48	Horizontal	Peak
959.16	29.24	3.35	32.59	46.00	13.41	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 1(350-390MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



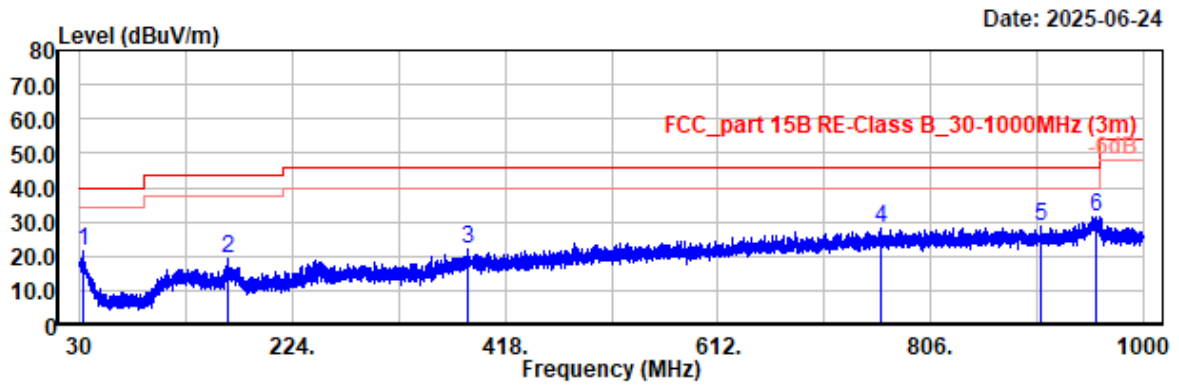
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
53.96	42.00	-17.81	24.19	40.00	15.81	Vertical	Peak
93.63	37.02	-16.64	20.38	43.50	23.12	Vertical	Peak
717.25	27.08	-0.02	27.06	46.00	18.94	Vertical	Peak
831.51	26.42	1.77	28.19	46.00	17.81	Vertical	Peak
853.43	27.37	1.95	29.32	46.00	16.68	Vertical	Peak
953.15	31.82	3.21	35.03	46.00	10.97	Vertical	Peak



Project No.: 2507U08566E-EM  
Test Mode: Mode 1(400-520MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

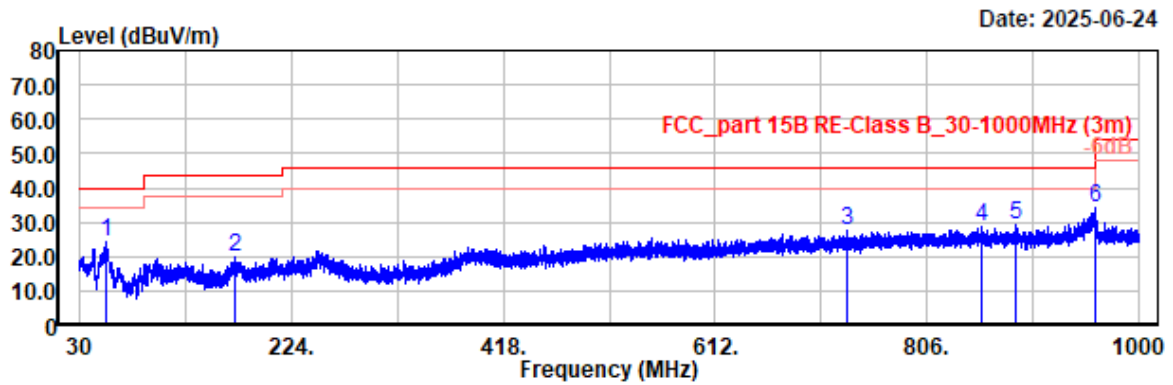


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
32.43	27.95	-6.63	21.32	40.00	18.68	Horizontal	Peak
165.90	30.94	-11.68	19.26	43.50	24.24	Horizontal	Peak
383.57	29.00	-6.96	22.04	46.00	23.96	Horizontal	Peak
761.09	27.74	0.62	28.36	46.00	17.64	Horizontal	Peak
907.37	26.15	2.62	28.77	46.00	17.23	Horizontal	Peak
957.03	28.39	3.31	31.70	46.00	14.30	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 1(400-520MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)



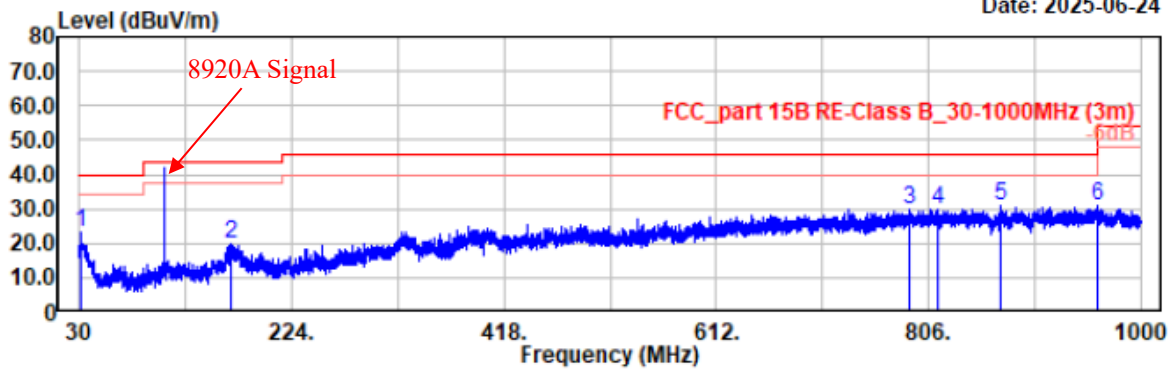
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
53.47	42.01	-17.77	24.24	40.00	15.76	Vertical	Peak
172.78	31.54	-11.94	19.60	43.50	23.90	Vertical	Peak
733.06	27.42	0.22	27.64	46.00	18.36	Vertical	Peak
855.86	26.76	1.98	28.74	46.00	17.26	Vertical	Peak
887.67	26.56	2.45	29.01	46.00	16.99	Vertical	Peak
960.42	30.91	3.39	34.30	54.00	19.70	Vertical	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(108.0125MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



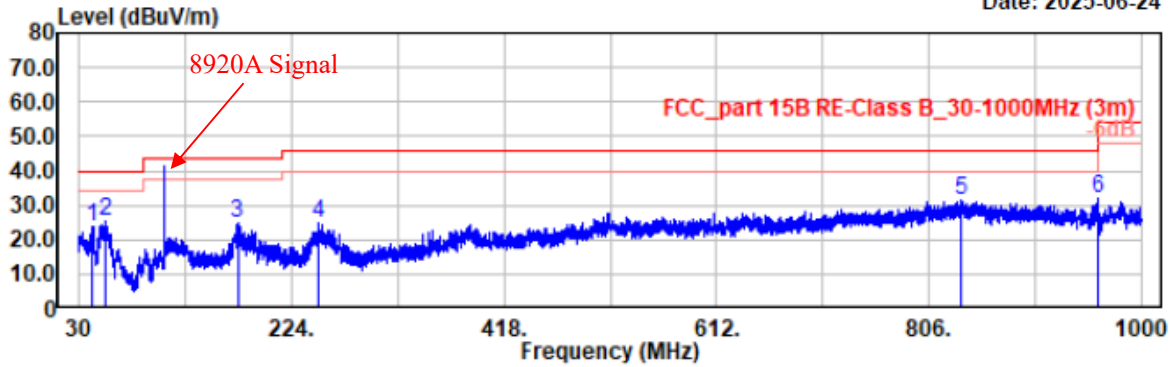
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.97	28.84	-5.84	23.00	40.00	17.00	Horizontal	Peak
169.39	31.92	-11.86	20.06	43.50	23.44	Horizontal	Peak
787.96	28.81	1.10	29.91	46.00	16.09	Horizontal	Peak
815.12	28.57	1.40	29.97	46.00	16.03	Horizontal	Peak
871.18	28.60	2.15	30.75	46.00	15.25	Horizontal	Peak
959.84	27.76	3.38	31.14	46.00	14.86	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(108.0125MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24

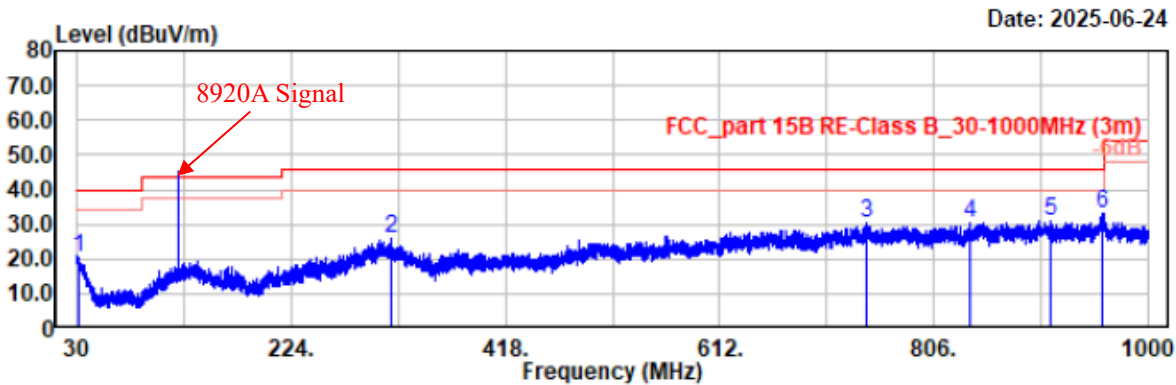


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
42.71	37.61	-13.67	23.94	40.00	16.06	Vertical	Peak
54.15	43.14	-17.81	25.33	40.00	14.67	Vertical	Peak
174.72	36.98	-12.13	24.85	43.50	18.65	Vertical	Peak
249.03	36.41	-11.42	24.99	46.00	21.01	Vertical	Peak
836.07	29.63	1.79	31.42	46.00	14.58	Vertical	Peak
959.65	28.63	3.36	31.99	46.00	14.01	Vertical	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(122MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)



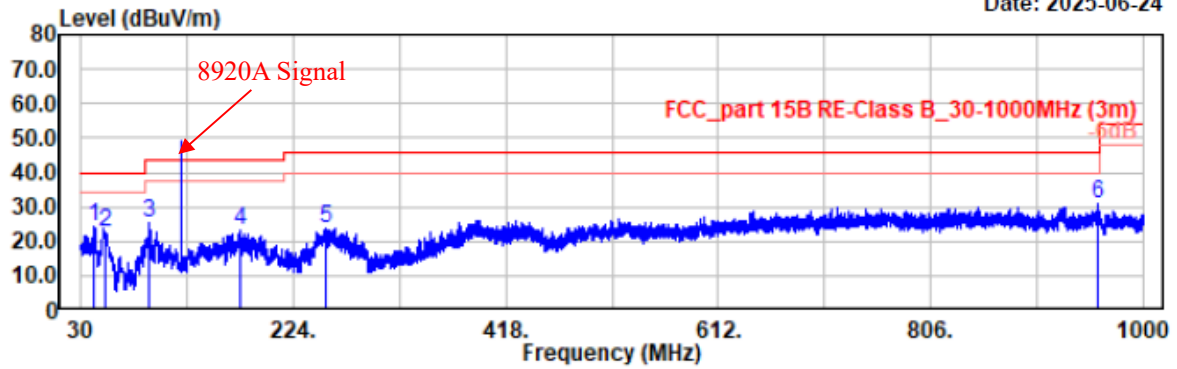
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
32.13	26.90	-6.48	20.42	40.00	19.58	Horizontal	Peak
313.92	34.83	-8.92	25.91	46.00	20.09	Horizontal	Peak
745.28	29.91	0.45	30.36	46.00	15.64	Horizontal	Peak
839.08	28.55	1.80	30.35	46.00	15.65	Horizontal	Peak
911.15	28.28	2.68	30.96	46.00	15.04	Horizontal	Peak
959.26	29.85	3.36	33.21	46.00	12.79	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(122MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24

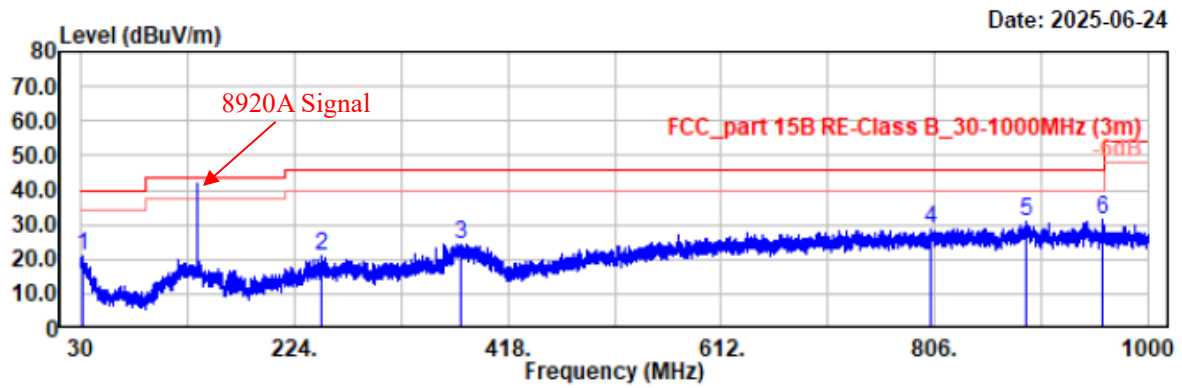


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
42.61	38.03	-13.59	24.44	40.00	15.56	Vertical	Peak
51.53	40.44	-17.63	22.81	40.00	17.19	Vertical	Peak
92.76	41.83	-16.72	25.11	43.50	18.39	Vertical	Peak
174.92	35.27	-12.13	23.14	43.50	20.36	Vertical	Peak
253.78	35.20	-11.39	23.81	46.00	22.19	Vertical	Peak
959.07	27.76	3.35	31.11	46.00	14.89	Vertical	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(135.9875MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)



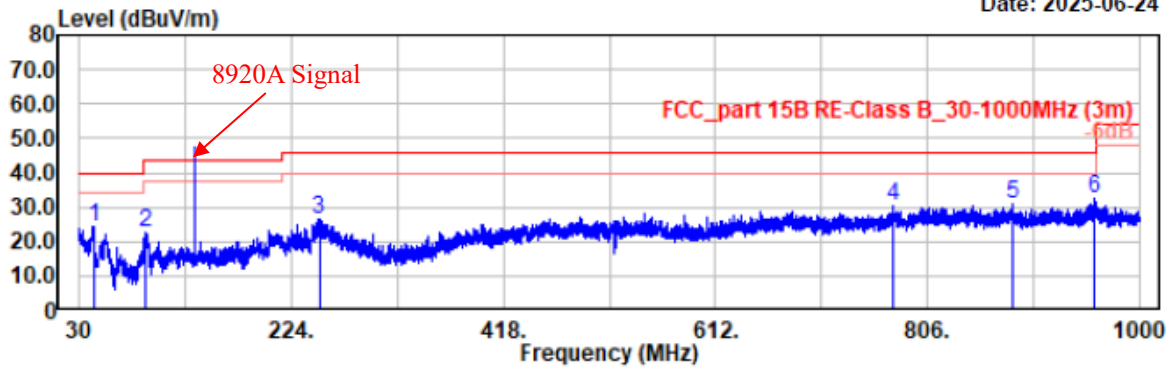
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
31.36	26.95	-6.04	20.91	40.00	19.09	Horizontal	Peak
248.35	32.45	-11.42	21.03	46.00	24.97	Horizontal	Peak
376.00	31.50	-7.22	24.28	46.00	21.72	Horizontal	Peak
802.41	27.25	1.26	28.51	46.00	17.49	Horizontal	Peak
888.55	28.24	2.47	30.71	46.00	15.29	Horizontal	Peak
959.36	27.88	3.36	31.24	46.00	14.76	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(135.9875MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



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

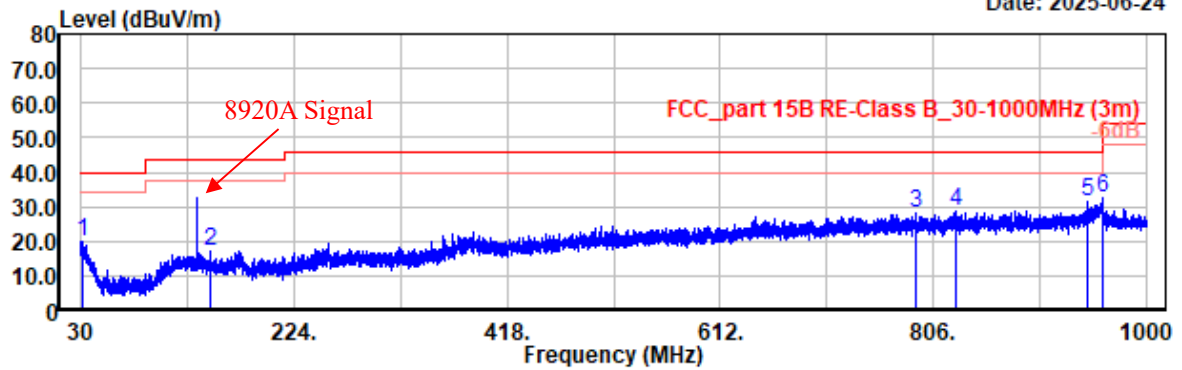
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
42.90	37.95	-13.82	24.13	40.00	15.87	Vertical	Peak
91.21	39.63	-17.04	22.59	43.50	20.91	Vertical	Peak
249.41	37.80	-11.41	26.39	46.00	19.61	Vertical	Peak
774.18	29.62	0.92	30.54	46.00	15.46	Vertical	Peak
884.47	28.28	2.37	30.65	46.00	15.35	Vertical	Peak
958.78	29.14	3.35	32.49	46.00	13.51	Vertical	Peak



Project No.: 2507U08566E-EM  
Test Mode: Mode 2(136.0125MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24

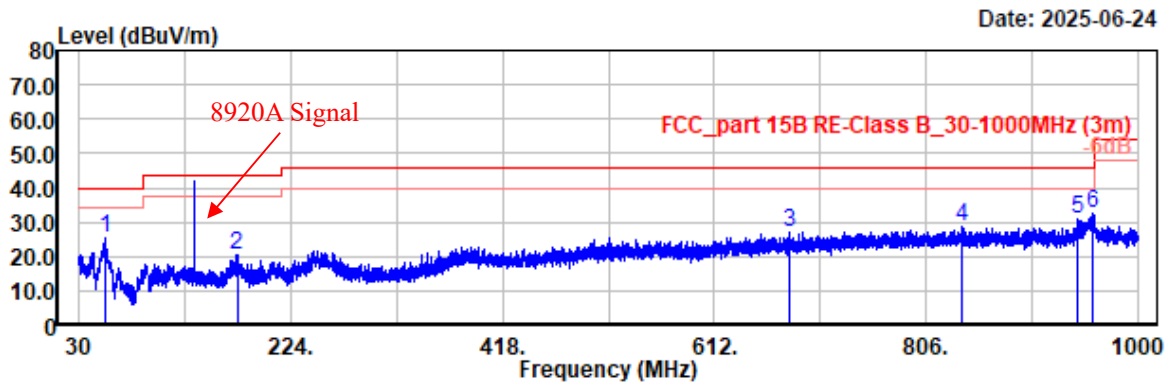


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
31.26	25.80	-6.00	19.80	40.00	20.20	Horizontal	Peak
148.34	28.32	-11.11	17.21	43.50	26.29	Horizontal	Peak
790.97	27.17	1.13	28.30	46.00	17.70	Horizontal	Peak
826.08	27.09	1.67	28.76	46.00	17.24	Horizontal	Peak
946.26	28.30	3.13	31.43	46.00	14.57	Horizontal	Peak
959.65	29.44	3.36	32.80	46.00	13.20	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(136.0125MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

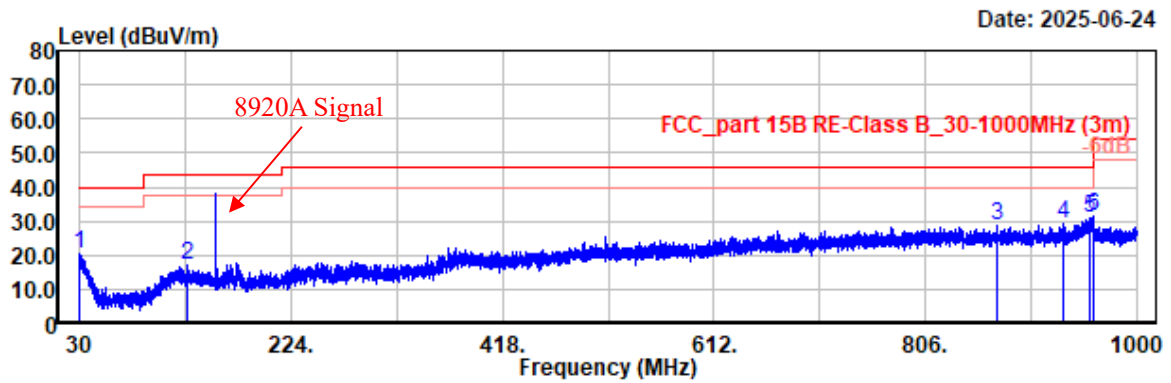


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
53.67	42.97	-17.79	25.18	40.00	14.82	Vertical	Peak
174.72	32.44	-12.13	20.31	43.50	23.19	Vertical	Peak
681.16	27.90	-0.64	27.26	46.00	18.74	Vertical	Peak
839.37	26.62	1.80	28.42	46.00	17.58	Vertical	Peak
944.32	27.90	3.11	31.01	46.00	14.99	Vertical	Peak
959.16	29.22	3.35	32.57	46.00	13.43	Vertical	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(155MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)



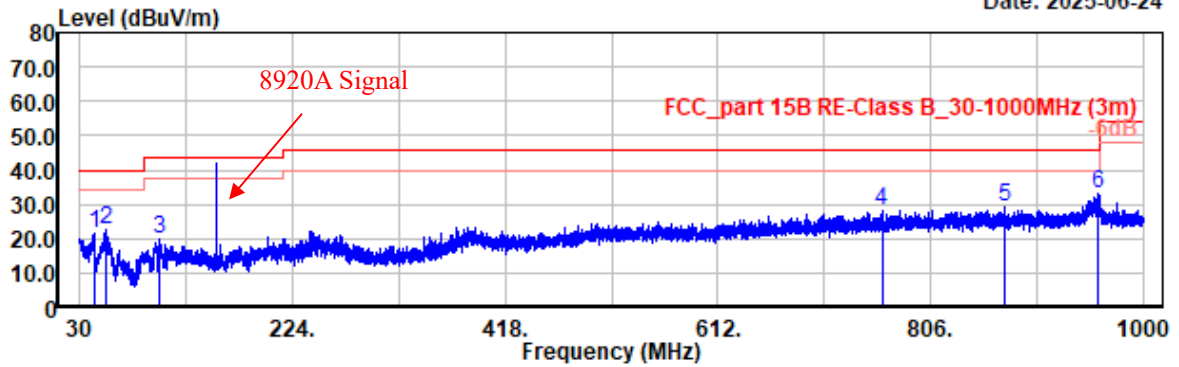
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.49	26.01	-5.73	20.28	40.00	19.72	Horizontal	Peak
128.16	27.11	-9.94	17.17	43.50	26.33	Horizontal	Peak
872.06	26.32	2.17	28.49	46.00	17.51	Horizontal	Peak
932.39	26.34	2.97	29.31	46.00	16.69	Horizontal	Peak
956.93	27.83	3.30	31.13	46.00	14.87	Horizontal	Peak
960.23	28.01	3.38	31.39	54.00	22.61	Horizontal	Peak

Project No.: 2507U08566E-EM  
 Test Mode: Mode 2(155MHz)  
 EUT Model: UV-5R Mini  
 Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
 Tested by: Apollo Luo  
 Power Source: DC 5V from adapter  
 (AC 120V/60Hz)

Date: 2025-06-24



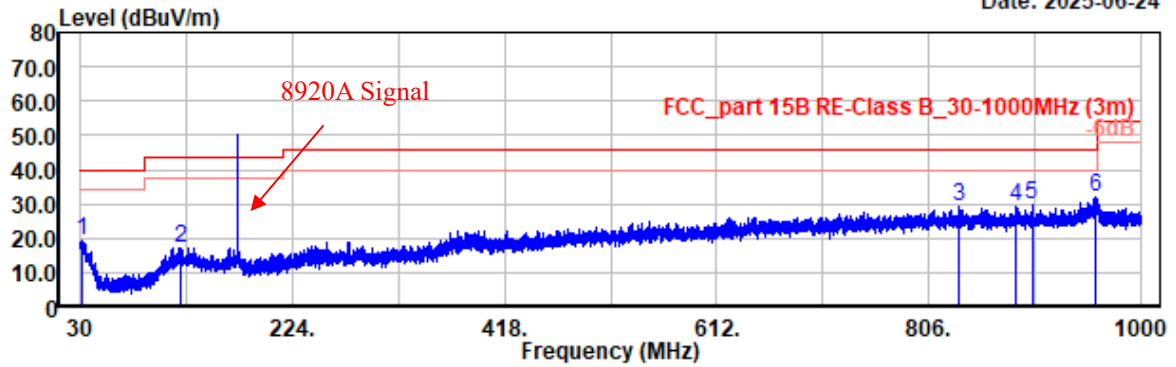
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
43.10	35.65	-13.97	21.68	40.00	18.32	Vertical	Peak
54.25	40.31	-17.81	22.50	40.00	17.50	Vertical	Peak
103.04	34.06	-13.96	20.10	43.50	23.40	Vertical	Peak
761.57	27.42	0.63	28.05	46.00	17.95	Vertical	Peak
873.12	26.93	2.19	29.12	46.00	16.88	Vertical	Peak
958.58	29.67	3.34	33.01	46.00	12.99	Vertical	Peak

Project No.: 2507U08566E-EM  
 Test Mode: Mode 2(173.9875MHz)  
 EUT Model: UV-5R Mini  
 Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
 Tested by: Apollo Luo  
 Power Source: DC 5V from adapter  
 (AC 120V/60Hz)

Date: 2025-06-24



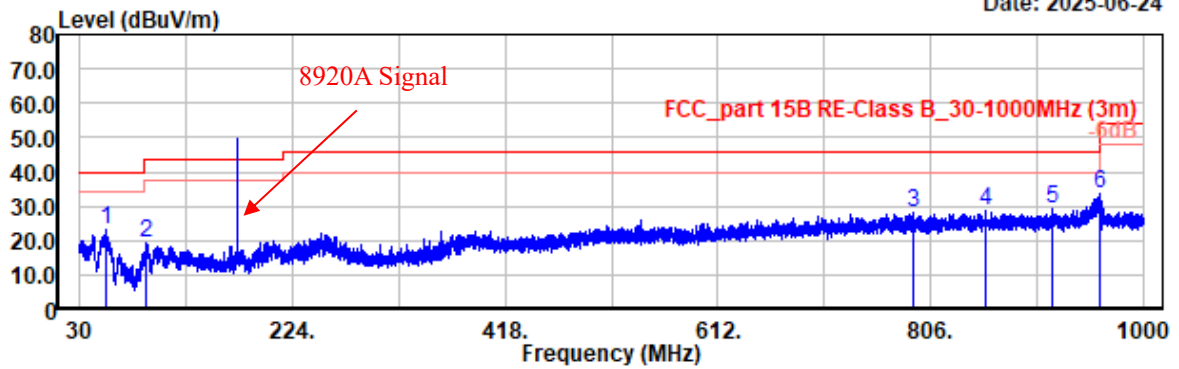
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
31.16	25.15	-5.94	19.21	40.00	20.79	Horizontal	Peak
121.67	27.50	-10.20	17.30	43.50	26.20	Horizontal	Peak
833.84	27.28	1.78	29.06	46.00	16.94	Horizontal	Peak
885.64	27.03	2.39	29.42	46.00	16.58	Horizontal	Peak
900.48	27.06	2.54	29.60	46.00	16.40	Horizontal	Peak
959.16	28.54	3.35	31.89	46.00	14.11	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(173.9875MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



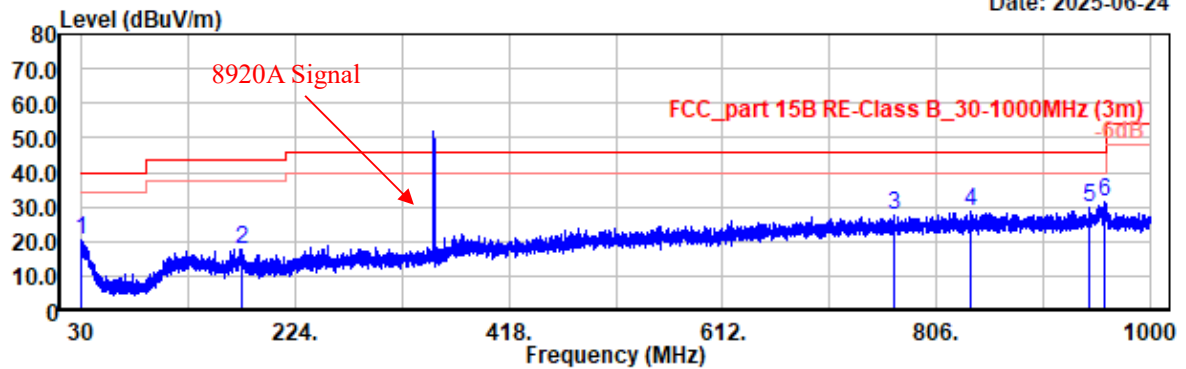
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
53.77	41.20	-17.79	23.41	40.00	16.59	Vertical	Peak
90.63	36.37	-17.03	19.34	43.50	24.16	Vertical	Peak
790.97	27.07	1.13	28.20	46.00	17.80	Vertical	Peak
855.66	26.59	1.97	28.56	46.00	17.44	Vertical	Peak
917.74	26.72	2.71	29.43	46.00	16.57	Vertical	Peak
959.84	30.33	3.38	33.71	46.00	12.29	Vertical	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(350.0125MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



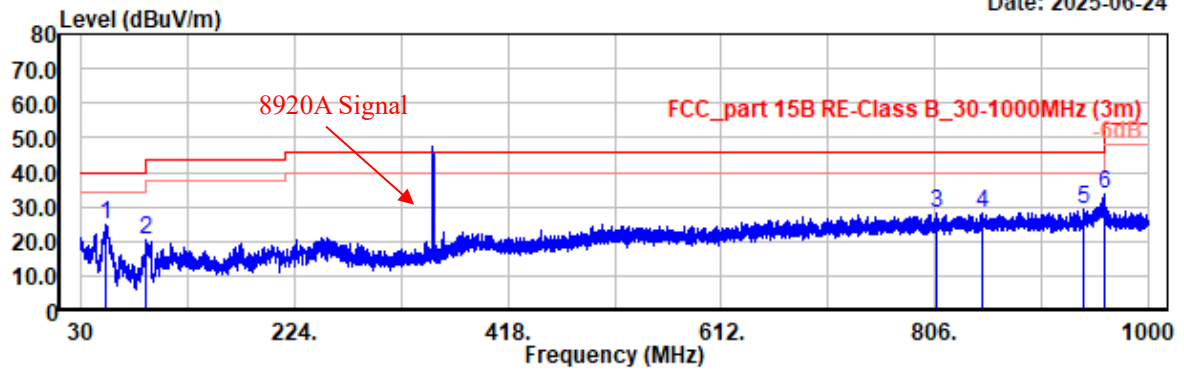
Condition: PK RBW:100kHz VBW:300kHz SwT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.29	26.06	-5.68	20.38	40.00	19.62	Horizontal	Peak
175.40	29.98	-12.12	17.86	43.50	25.64	Horizontal	Peak
767.88	27.01	0.78	27.79	46.00	18.21	Horizontal	Peak
837.33	27.00	1.79	28.79	46.00	17.21	Horizontal	Peak
944.71	26.61	3.11	29.72	46.00	16.28	Horizontal	Peak
959.26	27.86	3.36	31.22	46.00	14.78	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(350.0125MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



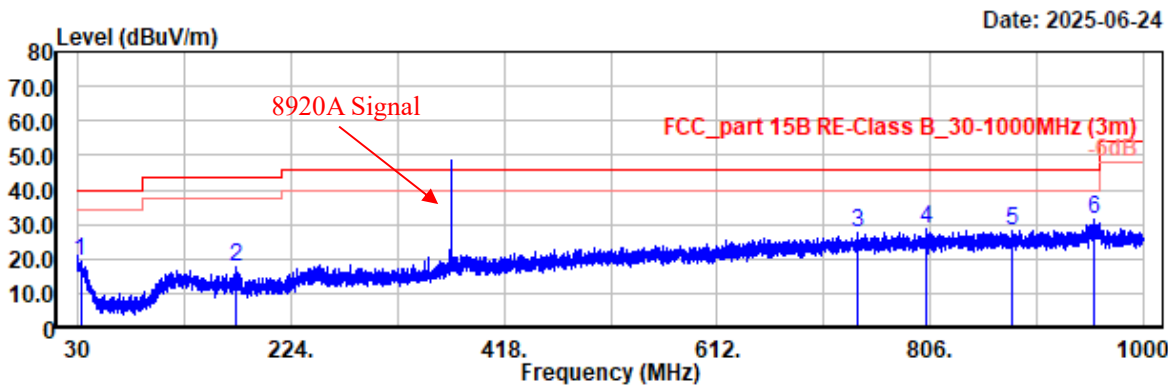
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
52.99	42.33	-17.72	24.61	40.00	15.39	Vertical	Peak
89.36	37.46	-17.11	20.35	43.50	23.15	Vertical	Peak
806.97	26.83	1.32	28.15	46.00	17.85	Vertical	Peak
849.65	26.39	1.93	28.32	46.00	17.68	Vertical	Peak
942.09	26.24	3.05	29.29	46.00	16.71	Vertical	Peak
959.65	30.07	3.36	33.43	46.00	12.57	Vertical	Peak



Project No.: 2507U08566E-EM  
Test Mode: Mode 2(370MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)



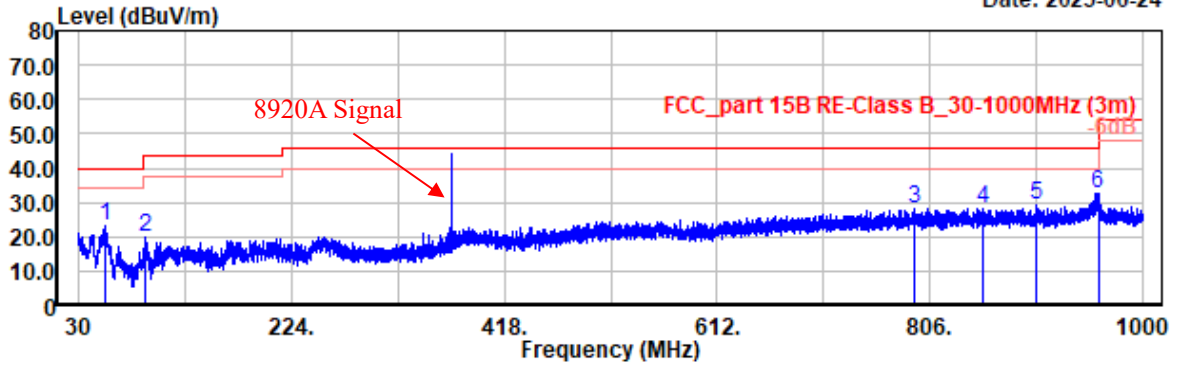
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
32.33	26.08	-6.59	19.49	40.00	20.51	Horizontal	Peak
173.46	29.75	-12.03	17.72	43.50	25.78	Horizontal	Peak
740.04	27.32	0.32	27.64	46.00	18.36	Horizontal	Peak
802.80	27.39	1.26	28.65	46.00	17.35	Horizontal	Peak
880.40	26.03	2.36	28.39	46.00	17.61	Horizontal	Peak
954.51	28.27	3.25	31.52	46.00	14.48	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(370MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



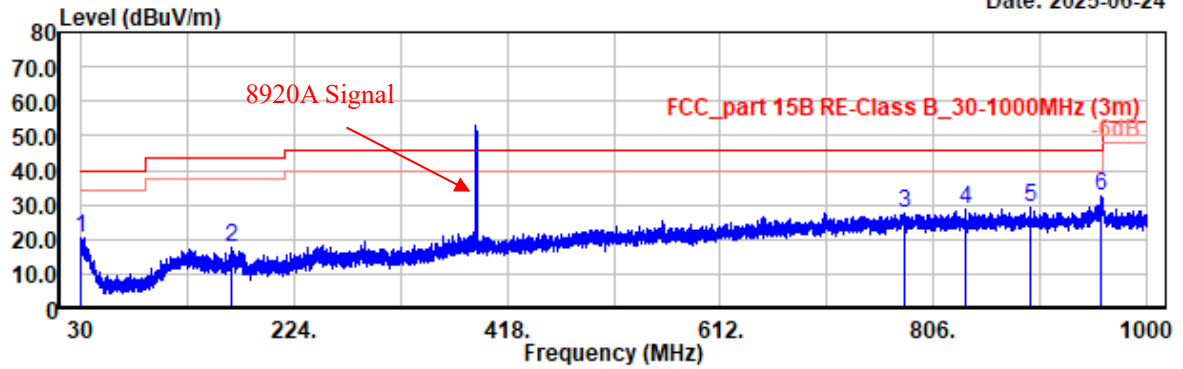
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
53.28	40.65	-17.75	22.90	40.00	17.10	Vertical	Peak
90.82	37.09	-17.04	20.05	43.50	23.45	Vertical	Peak
792.42	27.21	1.17	28.38	46.00	17.62	Vertical	Peak
854.40	26.39	1.96	28.35	46.00	17.65	Vertical	Peak
903.87	26.55	2.55	29.10	46.00	16.90	Vertical	Peak
959.55	29.12	3.36	32.48	46.00	13.52	Vertical	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(389.9875MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



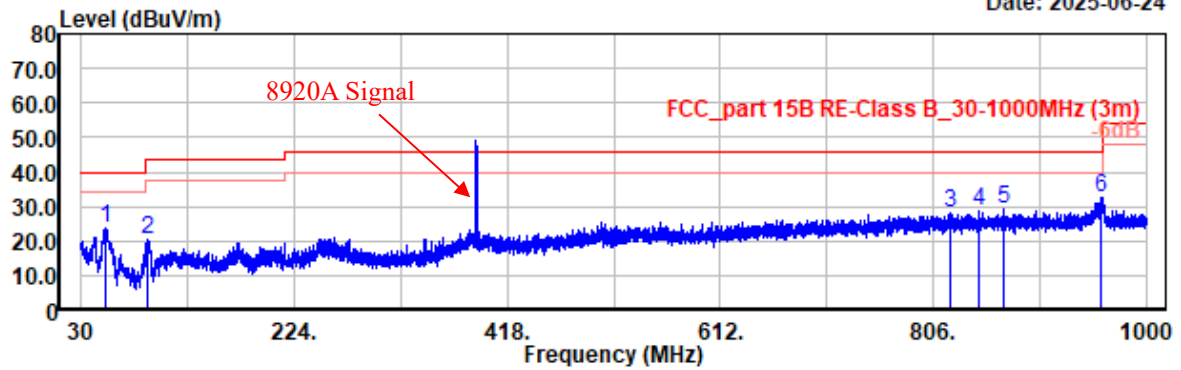
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.39	26.00	-5.70	20.30	40.00	19.70	Horizontal	Peak
167.06	29.53	-11.77	17.76	43.50	25.74	Horizontal	Peak
779.42	26.57	1.06	27.63	46.00	18.37	Horizontal	Peak
835.68	26.87	1.79	28.66	46.00	17.34	Horizontal	Peak
894.37	26.72	2.43	29.15	46.00	16.85	Horizontal	Peak
959.36	29.42	3.36	32.78	46.00	13.22	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(389.9875MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



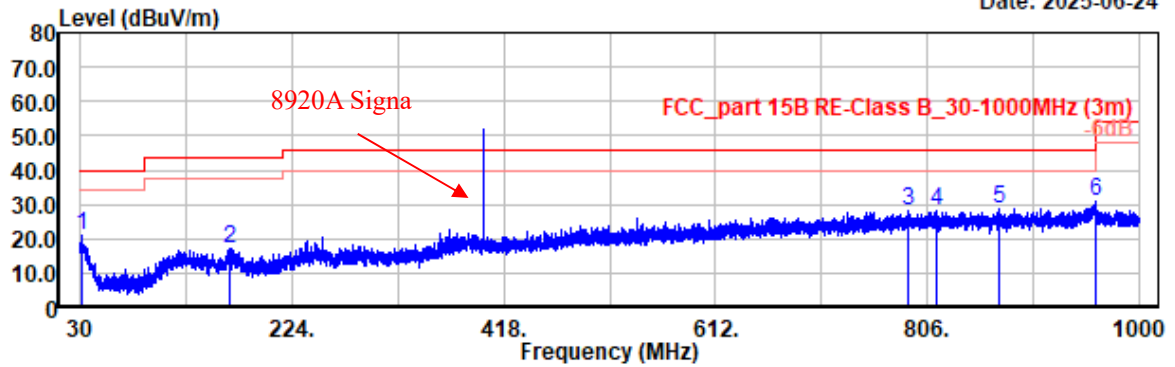
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
52.80	41.58	-17.72	23.86	40.00	16.14	Vertical	Peak
90.53	37.20	-17.02	20.18	43.50	23.32	Vertical	Peak
821.13	26.43	1.63	28.06	46.00	17.94	Vertical	Peak
847.42	26.87	1.88	28.75	46.00	17.25	Vertical	Peak
870.51	26.90	2.13	29.03	46.00	16.97	Vertical	Peak
959.45	29.19	3.36	32.55	46.00	13.45	Vertical	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(400.0125MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



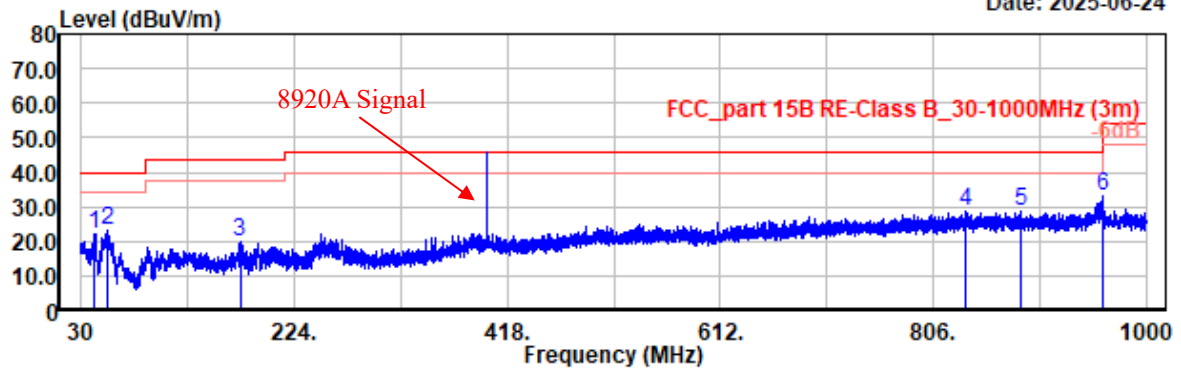
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.97	26.84	-5.84	21.00	40.00	19.00	Horizontal	Peak
166.48	28.89	-11.74	17.15	43.50	26.35	Horizontal	Peak
787.96	26.81	1.10	27.91	46.00	18.09	Horizontal	Peak
815.12	26.57	1.40	27.97	46.00	18.03	Horizontal	Peak
871.18	26.60	2.15	28.75	46.00	17.25	Horizontal	Peak
959.84	27.76	3.38	31.14	46.00	14.86	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(400.0125MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



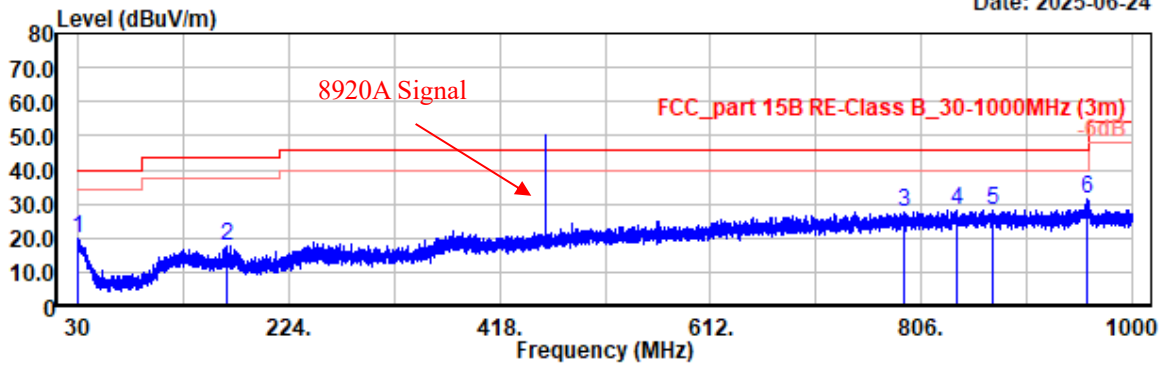
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
42.71	35.61	-13.67	21.94	40.00	18.06	Vertical	Peak
54.15	41.14	-17.81	23.33	40.00	16.67	Vertical	Peak
174.72	31.98	-12.13	19.85	43.50	23.65	Vertical	Peak
836.07	26.63	1.79	28.42	46.00	17.58	Vertical	Peak
885.83	26.16	2.40	28.56	46.00	17.44	Vertical	Peak
959.65	29.63	3.36	32.99	46.00	13.01	Vertical	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(460MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



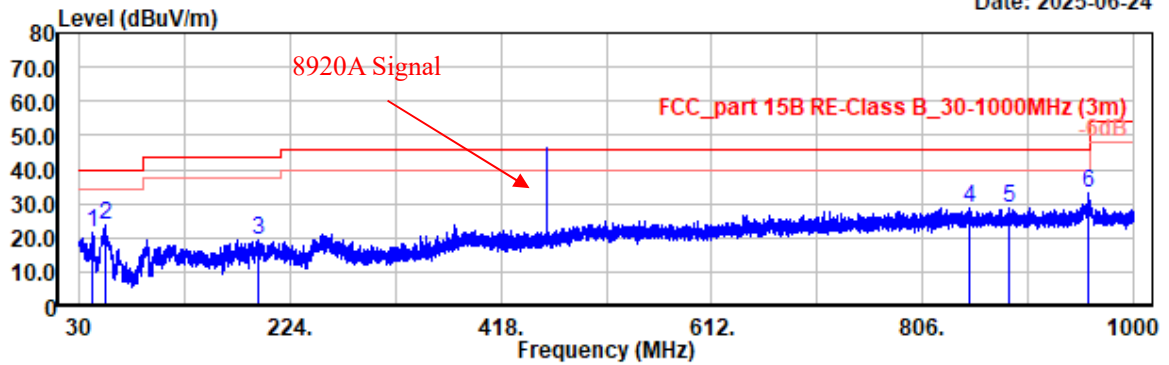
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
30.19	25.47	-5.65	19.82	40.00	20.18	Horizontal	Peak
166.67	29.52	-11.75	17.77	43.50	25.73	Horizontal	Peak
790.48	26.30	1.12	27.42	46.00	18.58	Horizontal	Peak
839.08	26.55	1.80	28.35	46.00	17.65	Horizontal	Peak
872.15	26.11	2.17	28.28	46.00	17.72	Horizontal	Peak
959.26	27.85	3.36	31.21	46.00	14.79	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(460MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



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

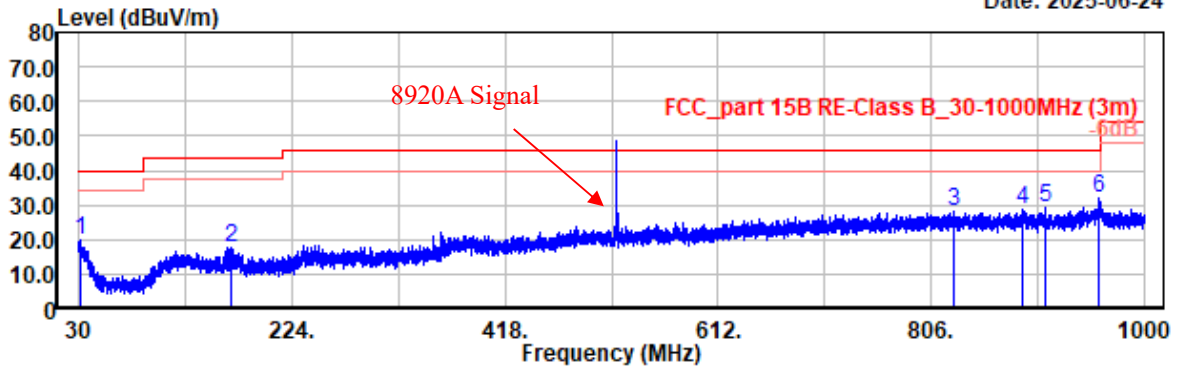
Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
42.61	35.03	-13.59	21.44	40.00	18.56	Vertical	Peak
53.77	41.70	-17.79	23.91	40.00	16.09	Vertical	Peak
194.22	31.53	-12.04	19.49	43.50	24.01	Vertical	Peak
849.84	26.79	1.94	28.73	46.00	17.27	Vertical	Peak
886.03	26.44	2.40	28.84	46.00	17.16	Vertical	Peak
959.07	29.76	3.35	33.11	46.00	12.89	Vertical	Peak



Project No.: 2507U08566E-EM  
 Test Mode: Mode 2(519.9875MHz)  
 EUT Model: UV-5R Mini  
 Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
 Tested by: Apollo Luo  
 Power Source: DC 5V from adapter  
 (AC 120V/60Hz)

Date: 2025-06-24



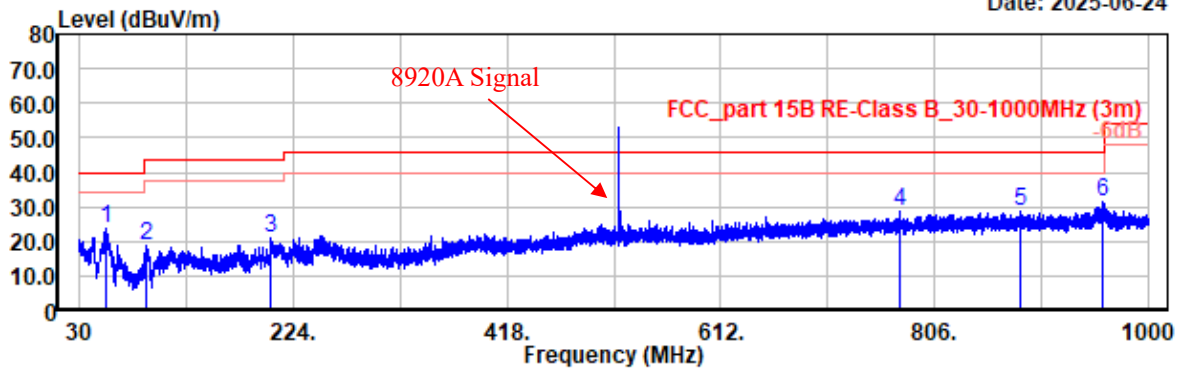
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
31.36	25.95	-6.04	19.91	40.00	20.09	Horizontal	Peak
169.39	29.67	-11.86	17.81	43.50	25.69	Horizontal	Peak
826.18	26.20	1.67	27.87	46.00	18.13	Horizontal	Peak
888.55	26.24	2.47	28.71	46.00	17.29	Horizontal	Peak
909.98	26.56	2.68	29.24	46.00	16.76	Horizontal	Peak
959.36	28.88	3.36	32.24	46.00	13.76	Horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(519.9875MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



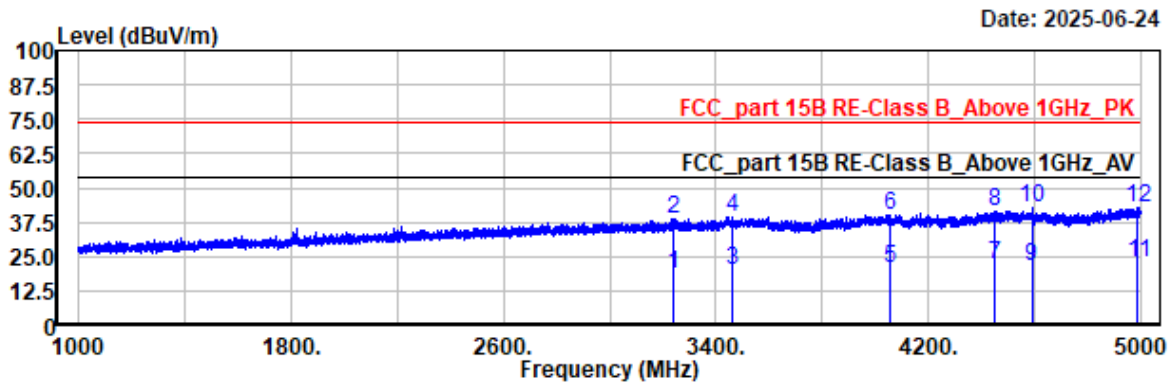
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
54.35	41.77	-17.81	23.96	40.00	16.04	Vertical	Peak
91.21	35.63	-17.04	18.59	43.50	24.91	Vertical	Peak
203.34	33.18	-11.96	21.22	43.50	22.28	Vertical	Peak
774.18	27.62	0.92	28.54	46.00	17.46	Vertical	Peak
884.47	26.28	2.37	28.65	46.00	17.35	Vertical	Peak
958.78	28.14	3.35	31.49	46.00	14.51	Vertical	Peak

## 2) 1GHz - 5GHz (Worst case)

Project No.: 2507U08566E-EM  
Test Mode: Mode 1(350-390MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)



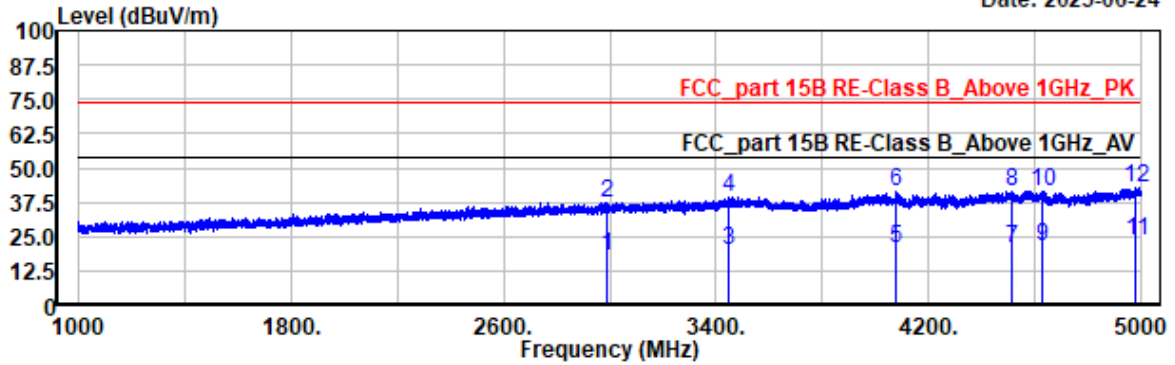
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3237.60	26.80	-8.32	18.48	54.00	35.52	horizontal	Average
3237.60	47.02	-8.32	38.70	74.00	35.30	horizontal	Peak
3460.00	27.43	-7.70	19.73	54.00	34.27	horizontal	Average
3460.00	46.92	-7.70	39.22	74.00	34.78	horizontal	Peak
4056.00	26.86	-6.34	20.52	54.00	33.48	horizontal	Average
4056.00	46.56	-6.34	40.22	74.00	33.78	horizontal	Peak
4446.80	27.57	-5.54	22.03	54.00	31.97	horizontal	Average
4446.80	47.01	-5.54	41.47	74.00	32.53	horizontal	Peak
4589.60	26.90	-5.27	21.63	54.00	32.37	horizontal	Average
4589.60	47.88	-5.27	42.61	74.00	31.39	horizontal	Peak
4988.40	28.04	-5.01	23.03	54.00	30.97	horizontal	Average
4988.40	47.70	-5.01	42.69	74.00	31.31	horizontal	Peak

Project No.: 2507U08566E-EM  
 Test Mode: Mode 1(350-390MHz)  
 EUT Model: UV-5R Mini  
 Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
 Tested by: Apollo Luo  
 Power Source: DC 5V from adapter  
 (AC 120V/60Hz)

Date: 2025-06-24



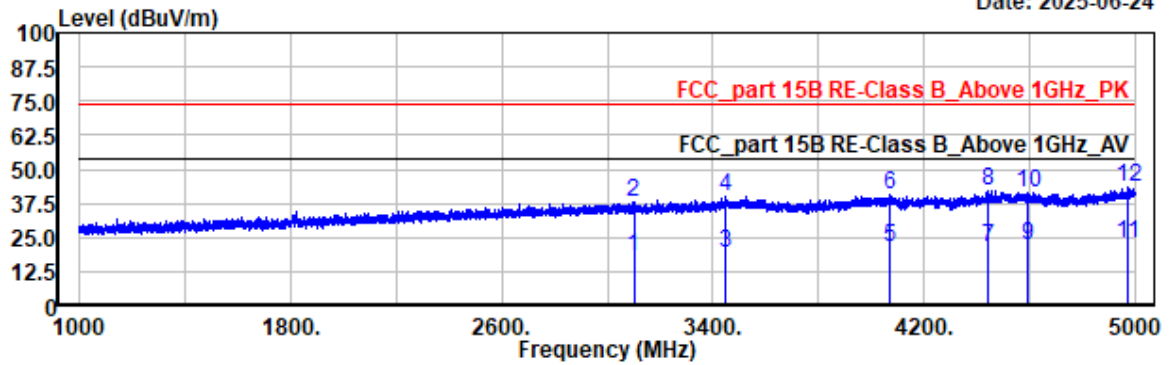
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2991.20	27.02	-9.00	18.02	54.00	35.98	vertical	Average
2991.20	46.43	-9.00	37.43	74.00	36.57	vertical	Peak
3445.60	27.58	-7.75	19.83	54.00	34.17	vertical	Average
3445.60	47.00	-7.75	39.25	74.00	34.75	vertical	Peak
4076.00	26.89	-6.25	20.64	54.00	33.36	vertical	Average
4076.00	47.32	-6.25	41.07	74.00	32.93	vertical	Peak
4511.60	26.30	-5.30	21.00	54.00	33.00	vertical	Average
4511.60	46.76	-5.30	41.46	74.00	32.54	vertical	Peak
4632.40	26.74	-5.24	21.50	54.00	32.50	vertical	Average
4632.40	46.47	-5.24	41.23	74.00	32.77	vertical	Peak
4982.40	28.39	-5.04	23.35	54.00	30.65	vertical	Average
4982.40	47.81	-5.04	42.77	74.00	31.23	vertical	Peak

Project No.: 2507U08566E-EM  
 Test Mode: Mode 2(173.9875MHz)  
 EUT Model: UV-5R Mini  
 Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
 Tested by: Apollo Luo  
 Power Source: DC 5V from adapter  
 (AC 120V/60Hz)

Date: 2025-06-24



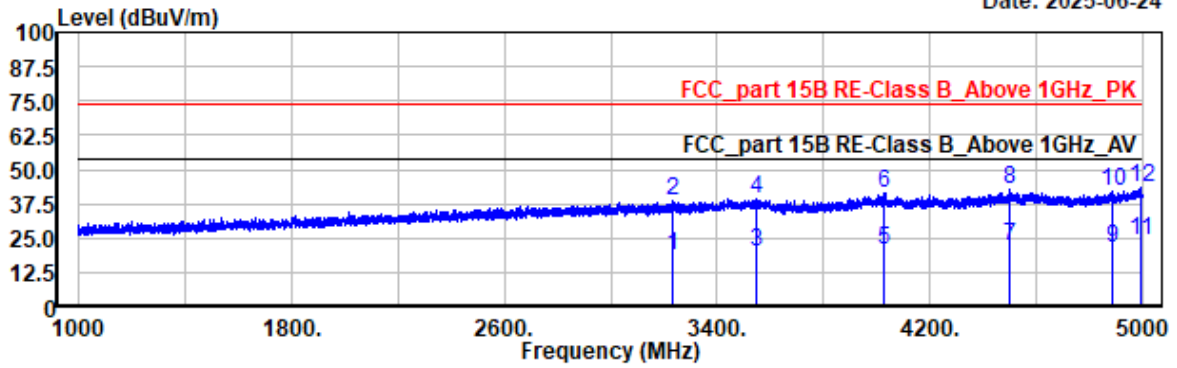
Condition: PK RBW:1MHz VBW:3MHz SwT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3100.40	26.72	-8.76	17.96	54.00	36.04	horizontal	Average
3100.40	47.00	-8.76	38.24	74.00	35.76	horizontal	Peak
3448.40	26.87	-7.74	19.13	54.00	34.87	horizontal	Average
3448.40	47.93	-7.74	40.19	74.00	33.81	horizontal	Peak
4069.20	27.38	-6.29	21.09	54.00	32.91	horizontal	Average
4069.20	47.02	-6.29	40.73	74.00	33.27	horizontal	Peak
4443.20	27.08	-5.55	21.53	54.00	32.47	horizontal	Average
4443.20	47.76	-5.55	42.21	74.00	31.79	horizontal	Peak
4591.20	27.49	-5.27	22.22	54.00	31.78	horizontal	Average
4591.20	46.78	-5.27	41.51	74.00	32.49	horizontal	Peak
4972.00	28.09	-5.08	23.01	54.00	30.99	horizontal	Average
4972.00	48.76	-5.08	43.68	74.00	30.32	horizontal	Peak

Project No.: 2507U08566E-EM  
Test Mode: Mode 2(173.9875MHz)  
EUT Model: UV-5R Mini  
Test distance: 3m

Temp/Humi/ATM: 23.8°C/59%/99.7kPa  
Tested by: Apollo Luo  
Power Source: DC 5V from adapter  
(AC 120V/60Hz)

Date: 2025-06-24



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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3235.60	26.81	-8.33	18.48	54.00	35.52	vertical	Average
3235.60	47.06	-8.33	38.73	74.00	35.27	vertical	Peak
3551.20	27.41	-7.54	19.87	54.00	34.13	vertical	Average
3551.20	46.71	-7.54	39.17	74.00	34.83	vertical	Peak
4026.40	26.90	-6.44	20.46	54.00	33.54	vertical	Average
4026.40	47.82	-6.44	41.38	74.00	32.62	vertical	Peak
4502.00	27.31	-5.29	22.02	54.00	31.98	vertical	Average
4502.00	47.77	-5.29	42.48	74.00	31.52	vertical	Peak
4884.80	26.80	-5.31	21.49	54.00	32.51	vertical	Average
4884.80	47.21	-5.31	41.90	74.00	32.10	vertical	Peak
4993.60	28.84	-5.00	23.84	54.00	30.16	vertical	Average
4993.60	48.21	-5.00	43.21	74.00	30.79	vertical	Peak

## FCC §15.121(b) – SCANNING RECEIVERS AND FREQUENCY CONVERTERS USED WITH SCANNING RECEIVERS

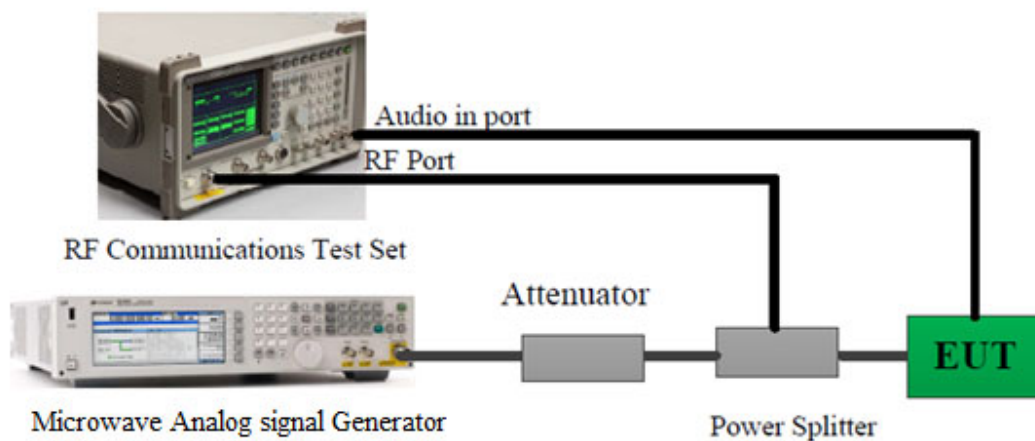
### Applicable Standard

FCC §15.121(b).

(b) Except as provided in paragraph (c) of this section, scanning receivers shall reject any signals from the Cellular Radiotelephone Service frequency bands that are 38 dB or lower based upon a 12 dB SINAD measurement, which is considered the threshold where a signal can be clearly discerned from any interference that may be present.

### Test Procedure

1. Connected the EUT as the below block diagram;



2. Apply a signal to the EUT antenna port at lowest, middle, highest channel frequencies of the operating band;
3. Adjust the audio output level of the EUT to its rated value with the distortion less than 10%;
4. Adjust the 8920 output power to produce 12 dB SINAD without the audio output power dropping by more than 3 dB; These output level of the 8920 at each channel frequency is the sensitivity of the EUT;
5. Select the lowest or worst case sensitivity level for all of the bands as the reference sensitivity;
6. Adjust the Signal Generator output to a level of +60 dB above the reference sensitivity obtained in step 5 and its frequency to the frequency point in the Cellular Band;
7. Set the EUT squelch to threshold, the signal required to open the squelch must be lower than the reference sensitivity level;
8. Set the EUT in a scanning mode and allow it to scan through its complete receiving range;
9. If the EUT un-squelched or stopped on any frequency, receiving at this frequency, then adjust the signal generator output level until 12 dB SINAD is produced, this level is the spurious value and the difference between the reference sensitivity and the spurious value is the rejection ratio and must be at least 38 dB;
10. Repeat above procedure at the frequencies 824, 836, 849 MHz for the mobile band, and 869, 881.5 and 894 MHz for the Cellular Base Band.

**Test Data**

<b>Test Mode:</b>	Scanning	<b>Test Engineer:</b>	Lucas Lin
<b>Test Date:</b>	2025-06-26	<b>Test Result:</b>	Pass

**Environment Conditions:**

Temperature: (°C)	23.6	Relative Humidity: (%)	58	ATM Pressure: (kPa)	99.9
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Scanning Frequency Range (MHz)	Test Frequency (MHz)	Measurement Result (Worst Case) (dB)	Limit (dB)
108-136	824, 836, 849, 869, 881.5, 894	44	>38
136-174		46	>38
350-390		45	>38
400-520		45	>38



## **EXHIBIT A - EUT PHOTOGRAPHS**

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Please refer to the attachment 2507U08566E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and  
2507U08566E-RF-INP EUT INTERNAL PHOTOGRAPHS

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## **EXHIBIT B – TEST SETUP PHOTOGRAPHS**

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Please refer to the attachment 2507U08566E-RF-TSP-01 TEST SETUP PHOTOGRAPHS\_PART 15B

## Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor  $k=2$  with the 95 % confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

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