FCC PART 15B

TEST REPORT

For

Iradio Electronics Co., Ltd.

No.16 Daxiamei Industrial Area, Nan'an, Quanzhou City, China

FCC ID: Y23UV-88

Report Type:	**Product Name:**
Original Report	FM Mobile Radio

Report Number:	2507Q04527E-EM-01
Report Date:	2025-03-06
Reviewed By:	Ash Lin
Approved By:	Miles Chen
Prepared By:	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 www.baclcorp.com.cn

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2507Q04527E-EM-01	R1V1	2025-03-06	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:		Iradio Electronics Co., Ltd.
Product Name:		FM Mobile Radio
Tested Model:		UV-88
Series Model(s):		radtel RT-860
Trade mark:		IRADIO
Power Supply:		DC 7.4V from battery or DC 5V from adapter
Adapter information	Model:	GA-0502000V
	Input:	AC 100-240V, 50/60Hz, 0.6A
	Output:	DC 5.0V, 1A
★Highest Operating Frequency:		520 MHz
EUT Receive Status:		Good
Note: *1. The highest operating frequency is provided by the applicant.* *2. The test model is identify with the series models 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: 2YLN-1 (Assigned by the BACL (Xiamen). The EUT was received on 2025-02-18).*		

Objective

This report is prepared for *Iradio Electronics Co., Ltd.* 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	2.33dB
Radiated Emission	30MHz~200MHz	4.38dB
	200MHz~1GHz	4.50dB
	1GHz~6GHz	4.58dB
Humidity		5%
Temperature		1℃

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:	DC 5V from adapter (AC 120V/60Hz)
Remark:	During all emission tests, the EUT was configured to measure its highest possible emission level and the worst case's test data was presented in this test report.

Description of Test Configuration

Operation Modes	Operation Frequency Range (MHz)	Test Frequency (MHz)
Scanning	136-174 350-390 400-520	136-174 350-390 400-520
VHF Receiving	136-174	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

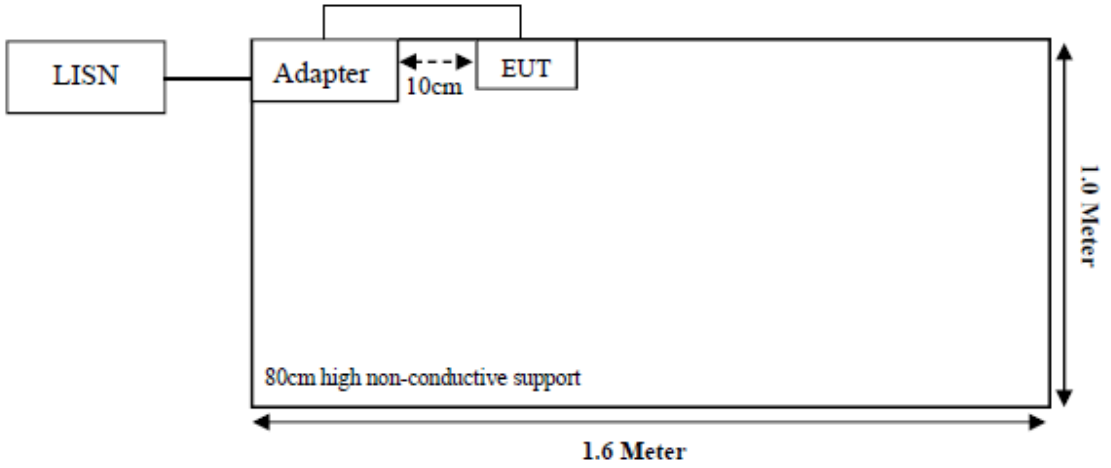
External I/O Cable

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

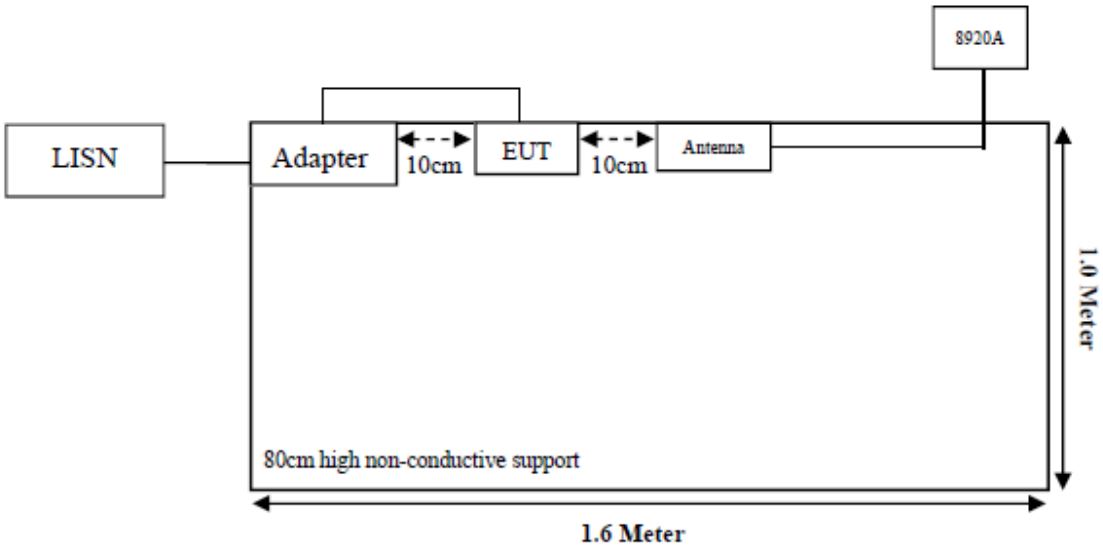
Block Diagram of Test Setup

Conducted Emission:

Test Mode 1:

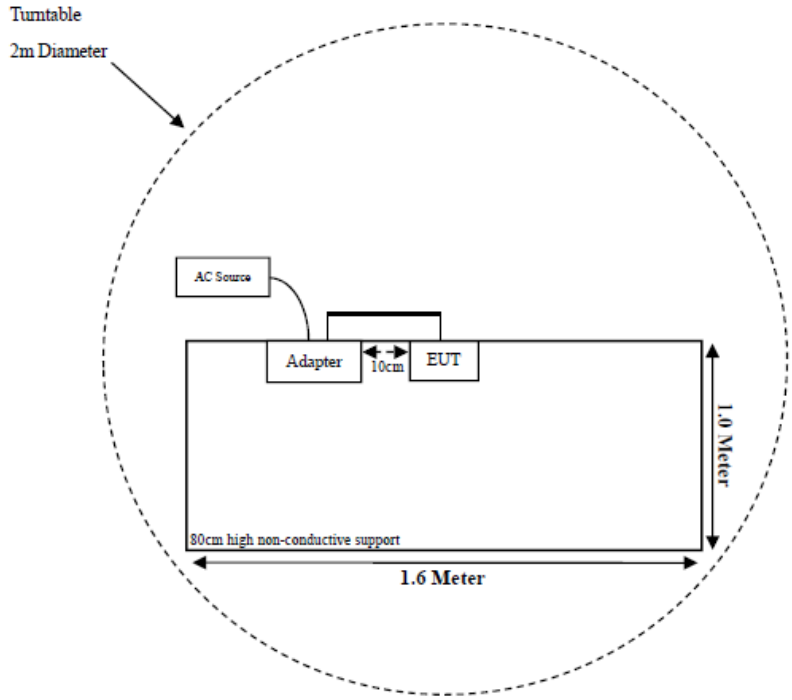


Test Mode 2:



Radiated Emission:

Test Mode 1:



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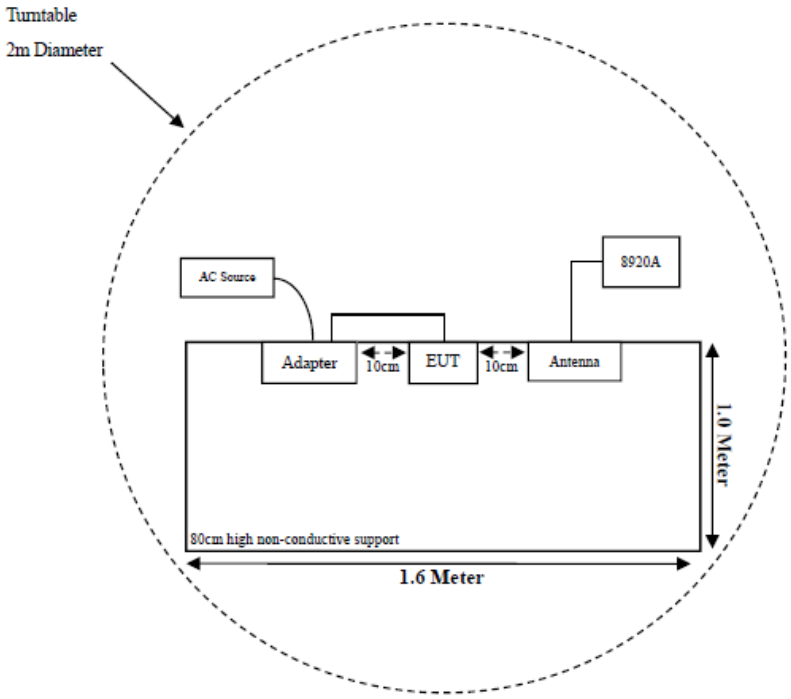


SUMMARY OF TEST RESULTS

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
Conducted Emission					
EMI Test Receiver	Rohde & Schwarz	ESR	103105	2024/03/29	2025/03/28
LISN	Rohde & Schwarz	ENV216	100129	2024/03/29	2025/03/28
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	0357.8810.54	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC001	2024/03/29	2025/03/28
Test Software	Audix	E3	18621a	N/A	N/A
Radiated Emission 30 MHz to 1 GHz					
EMI Test Receiver	Rohde & Schwarz	ESR	103103	2024/03/29	2025/03/28
Antenna	Sunol Sciences	JB6	A122022-5	2023/07/27	2026/07/26
Amplifier	Sonoma	310B	120903	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC002	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH460B-N-2M	CC006	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH460B-N-12M	CC007	2024/03/29	2025/03/28
Test Software	Audix	E3	18621a	N/A	N/A
Radiated Emission Above 1 GHz					
Spectrum Analyzer	Rohde & Schwarz	FSU	100405	2025/02/20	2026/02/19
Horn Aantenna	EMCO	3115	9002-3355	2024/11/19	2027/11/18
Preamplifier	A.H.Systems	PAM-0118P	489	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH800A-N-6M	CC003	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH800A-N-1M	CC005	2024/03/29	2025/03/28
Test Software	Audix	E3	18621a	N/A	N/A
Scanning Receiver					
Coaxial Cable	N/A	N/A	N/A	Each time	Each time
RF Communications test set	HP	8920A	3524A07202	2024/04/26	2025/04/25
Power Splitter	narda	4426LB-2	1661	N/A	N/A
Microwave Analog Signal Generator	Agilent	N5183A	MY47420335	2024/03/29	2025/03/28
Attenuator	Electronic Corporation	30-WA-FFN-30	1172435	2024/03/29	2025/03/28

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

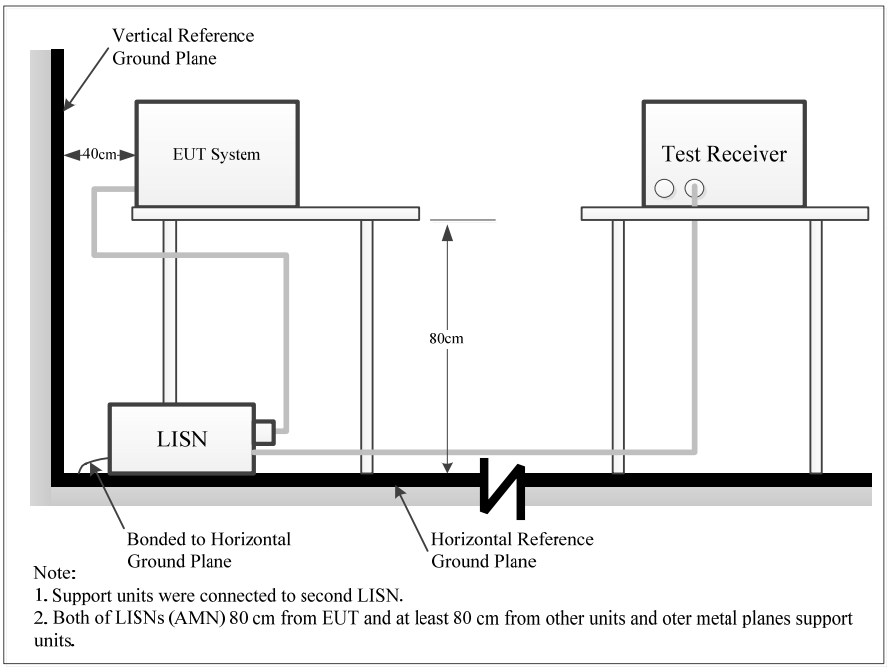
FCC §15.107

(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 μH/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 (dBμV)	
	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



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

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:

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

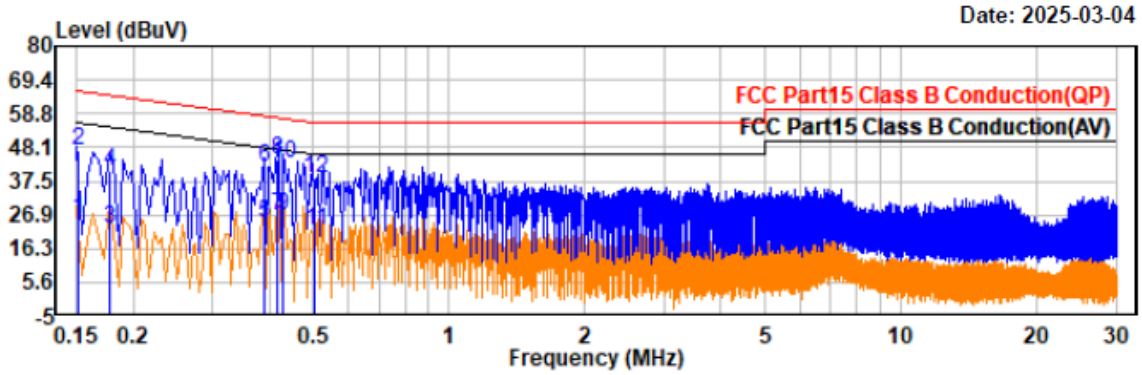
The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

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

Test Data

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

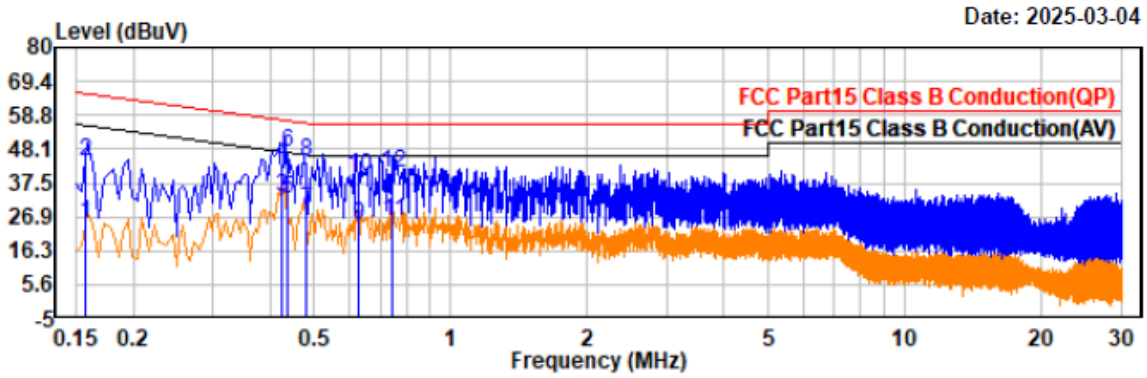


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.15	4.44	20.92	25.36	55.93	30.57	Line	Average
0.15	26.24	20.92	47.16	65.93	18.77	Line	QP
0.18	1.81	20.72	22.53	54.62	32.09	Line	Average
0.18	19.75	20.72	40.47	64.62	24.15	Line	QP
0.39	4.20	20.36	24.56	48.07	23.51	Line	Average
0.39	21.48	20.36	41.84	58.07	16.23	Line	QP
0.42	6.07	20.34	26.41	47.50	21.09	Line	Average
0.42	23.67	20.34	44.01	57.50	13.49	Line	QP
0.43	6.57	20.34	26.91	47.28	20.37	Line	Average
0.43	22.60	20.34	42.94	57.28	14.34	Line	QP
0.51	1.66	20.30	21.96	46.00	24.04	Line	Average
0.51	17.96	20.30	38.26	56.00	17.74	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

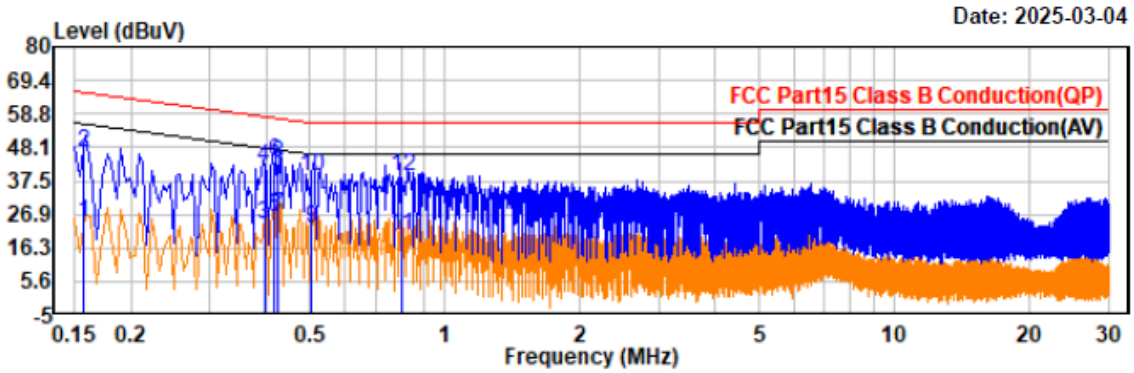


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.16	3.96	20.72	24.68	55.60	30.92	Neutral	Average
0.16	23.76	20.72	44.48	65.60	21.12	Neutral	QP
0.42	12.86	20.43	33.29	47.38	14.09	Neutral	Average
0.42	23.47	20.43	43.90	57.38	13.48	Neutral	QP
0.44	12.21	20.44	32.65	47.15	14.50	Neutral	Average
0.44	26.50	20.44	46.94	57.15	10.21	Neutral	QP
0.48	8.36	20.40	28.76	46.31	17.55	Neutral	Average
0.48	23.90	20.40	44.30	56.31	12.01	Neutral	QP
0.63	4.17	20.33	24.50	46.00	21.50	Neutral	Average
0.63	19.09	20.33	39.42	56.00	16.58	Neutral	QP
0.75	5.31	20.41	25.72	46.00	20.28	Neutral	Average
0.75	20.40	20.41	40.81	56.00	15.19	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(350-390MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

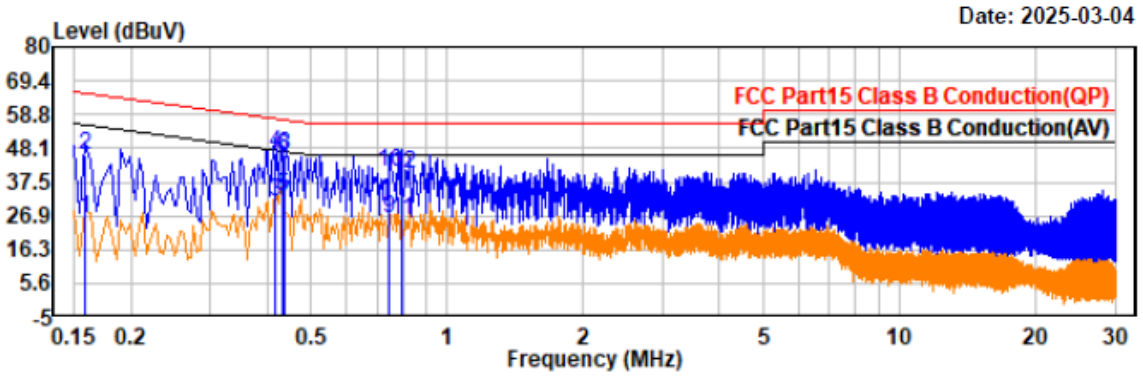


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.16	3.72	20.87	24.59	55.60	31.01	Line	Average
0.16	25.78	20.87	46.65	65.60	18.95	Line	QP
0.40	3.44	20.36	23.80	47.94	24.14	Line	Average
0.40	21.66	20.36	42.02	57.94	15.92	Line	QP
0.42	5.75	20.34	26.09	47.53	21.44	Line	Average
0.42	23.42	20.34	43.76	57.53	13.77	Line	QP
0.43	6.43	20.34	26.77	47.32	20.55	Line	Average
0.43	22.48	20.34	42.82	57.32	14.50	Line	QP
0.51	2.08	20.30	22.38	46.00	23.62	Line	Average
0.51	18.45	20.30	38.75	56.00	17.25	Line	QP
0.80	-0.51	20.66	20.15	46.00	25.85	Line	Average
0.80	18.10	20.66	38.76	56.00	17.24	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(350-390MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

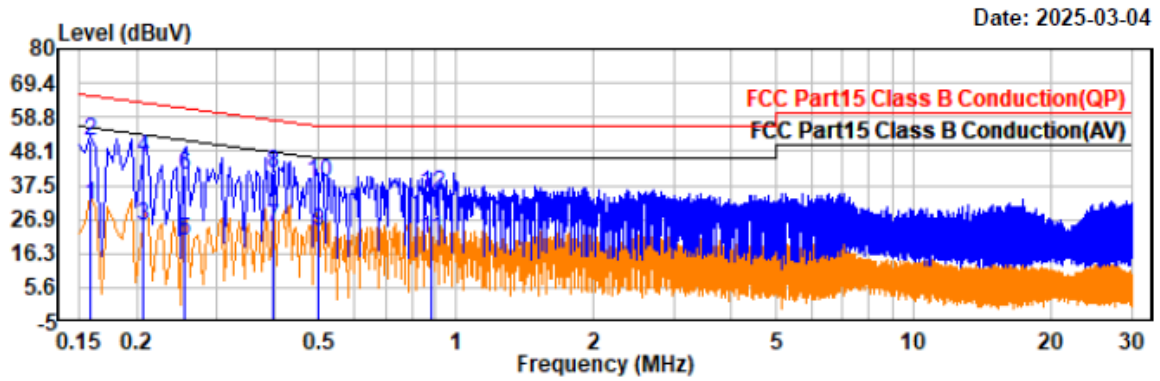


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.16	5.19	20.72	25.91	55.56	29.65	Neutral	Average
0.16	25.28	20.72	46.00	65.56	19.56	Neutral	QP
0.42	11.10	20.44	31.54	47.52	15.98	Neutral	Average
0.42	26.29	20.44	46.73	57.52	10.79	Neutral	QP
0.43	12.90	20.44	33.34	47.20	13.86	Neutral	Average
0.43	25.20	20.44	45.64	57.20	11.56	Neutral	QP
0.44	10.39	20.43	30.82	47.10	16.28	Neutral	Average
0.44	25.57	20.43	46.00	57.10	11.10	Neutral	QP
0.74	5.88	20.40	26.28	46.00	19.72	Neutral	Average
0.74	20.53	20.40	40.93	56.00	15.07	Neutral	QP
0.79	4.75	20.52	25.27	46.00	20.73	Neutral	Average
0.79	19.62	20.52	40.14	56.00	15.86	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(400-520MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

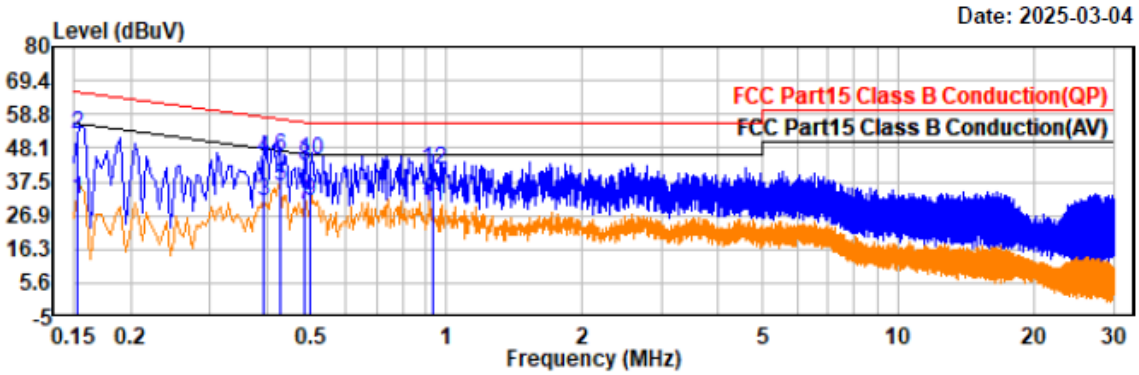


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.16	10.27	20.87	31.14	55.56	24.42	Line	Average
0.16	30.50	20.87	51.37	65.56	14.19	Line	QP
0.21	4.30	20.56	24.86	53.34	28.48	Line	Average
0.21	25.44	20.56	46.00	63.34	17.34	Line	QP
0.26	-0.26	20.49	20.23	51.57	31.34	Line	Average
0.26	20.13	20.49	40.62	61.57	20.95	Line	QP
0.40	3.80	20.36	24.16	47.93	23.77	Line	Average
0.40	20.77	20.36	41.13	57.93	16.80	Line	QP
0.50	2.86	20.29	23.15	46.03	22.88	Line	Average
0.50	18.24	20.29	38.53	56.03	17.50	Line	QP
0.88	0.01	20.77	20.78	46.00	25.22	Line	Average
0.88	14.30	20.77	35.07	56.00	20.93	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(400-520MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

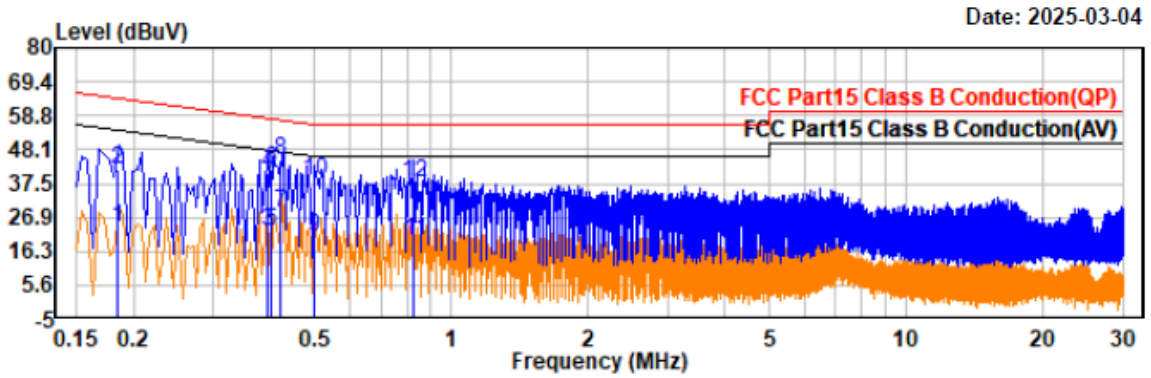


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.15	11.48	20.72	32.20	55.82	23.62	Neutral	Average
0.15	31.95	20.72	52.67	65.82	13.15	Neutral	QP
0.39	11.03	20.46	31.49	47.97	16.48	Neutral	Average
0.39	24.66	20.46	45.12	57.97	12.85	Neutral	QP
0.43	15.31	20.44	35.75	47.30	11.55	Neutral	Average
0.43	25.08	20.44	45.52	57.30	11.78	Neutral	QP
0.49	9.71	20.40	30.11	46.24	16.13	Neutral	Average
0.49	21.91	20.40	42.31	56.24	13.93	Neutral	QP
0.50	10.79	20.39	31.18	46.00	14.82	Neutral	Average
0.50	23.83	20.39	44.22	56.00	11.78	Neutral	QP
0.93	8.81	20.80	29.61	46.00	16.39	Neutral	Average
0.93	20.27	20.80	41.07	56.00	14.93	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(136.0125MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

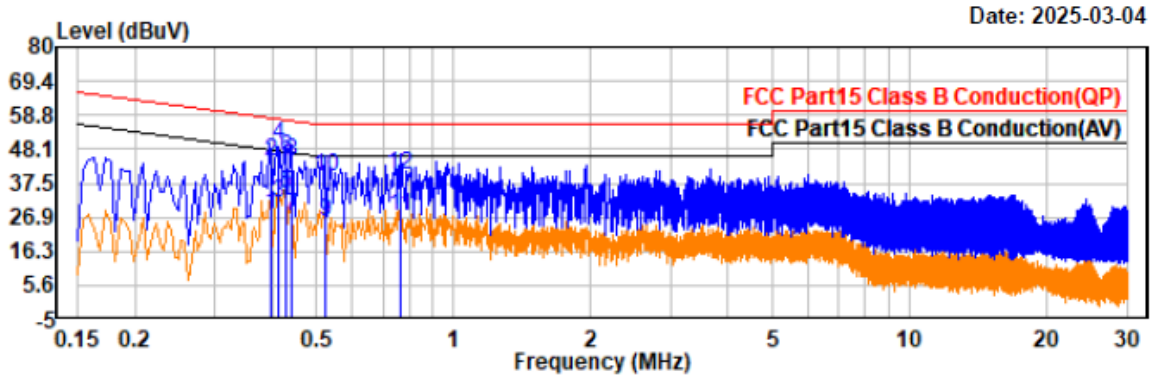


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.19	2.88	20.67	23.55	54.25	30.70	Line	Average
0.19	21.25	20.67	41.92	64.25	22.33	Line	QP
0.39	2.12	20.36	22.48	48.01	25.53	Line	Average
0.39	20.60	20.36	40.96	58.01	17.05	Line	QP
0.40	2.09	20.35	22.44	47.79	25.35	Line	Average
0.40	21.56	20.35	41.91	57.79	15.88	Line	QP
0.42	8.11	20.34	28.45	47.43	18.98	Line	Average
0.42	24.52	20.34	44.86	57.43	12.57	Line	QP
0.50	0.79	20.29	21.08	46.00	24.92	Line	Average
0.50	17.95	20.29	38.24	56.00	17.76	Line	QP
0.83	-1.25	20.70	19.45	46.00	26.55	Line	Average
0.83	17.15	20.70	37.85	56.00	18.15	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(136.0125MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

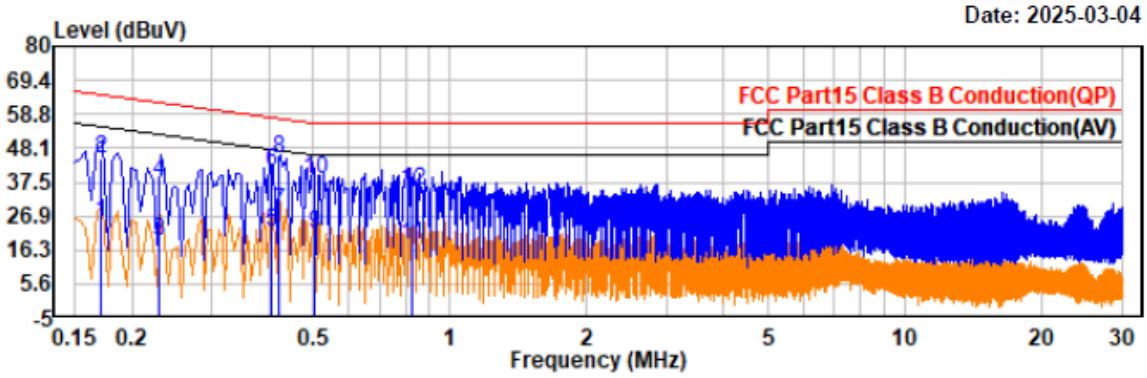


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.40	7.30	20.46	27.76	47.93	20.17	Neutral	Average
0.40	23.68	20.46	44.14	57.93	13.79	Neutral	QP
0.41	11.14	20.44	31.58	47.57	15.99	Neutral	Average
0.41	28.99	20.44	49.43	57.57	8.14	Neutral	QP
0.43	13.81	20.44	34.25	47.29	13.04	Neutral	Average
0.43	25.15	20.44	45.59	57.29	11.70	Neutral	QP
0.44	6.77	20.43	27.20	47.06	19.86	Neutral	Average
0.44	23.89	20.43	44.32	57.06	12.74	Neutral	QP
0.52	5.09	20.38	25.47	46.00	20.53	Neutral	Average
0.52	19.24	20.38	39.62	56.00	16.38	Neutral	QP
0.76	6.88	20.45	27.33	46.00	18.67	Neutral	Average
0.76	19.70	20.45	40.15	56.00	15.85	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(155MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

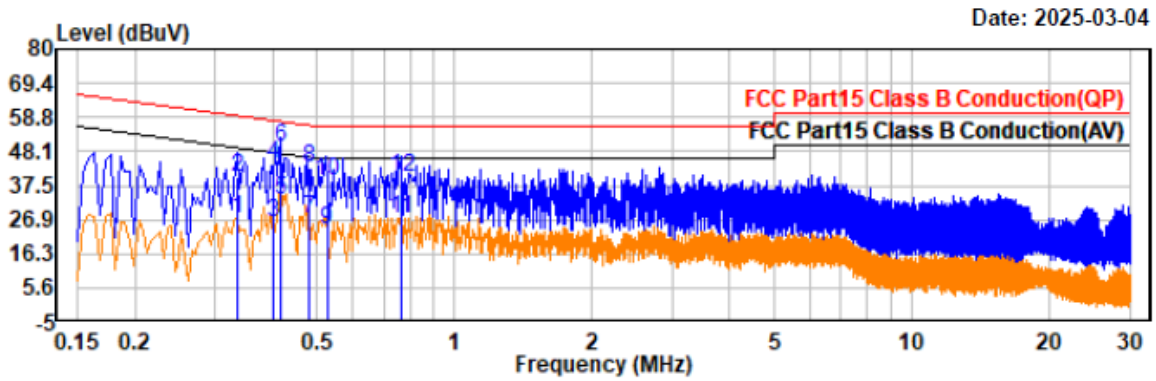


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.17	4.24	20.77	25.01	54.91	29.90	Line	Average
0.17	24.29	20.77	45.06	64.91	19.85	Line	QP
0.23	-1.40	20.52	19.12	52.44	33.32	Line	Average
0.23	17.32	20.52	37.84	62.44	24.60	Line	QP
0.40	1.48	20.35	21.83	47.77	25.94	Line	Average
0.40	20.58	20.35	40.93	57.77	16.84	Line	QP
0.42	8.14	20.34	28.48	47.44	18.96	Line	Average
0.42	24.21	20.34	44.55	57.44	12.89	Line	QP
0.50	1.32	20.29	21.61	46.00	24.39	Line	Average
0.50	18.27	20.29	38.56	56.00	17.44	Line	QP
0.82	-2.54	20.69	18.15	46.00	27.85	Line	Average
0.82	14.19	20.69	34.88	56.00	21.12	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(155MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

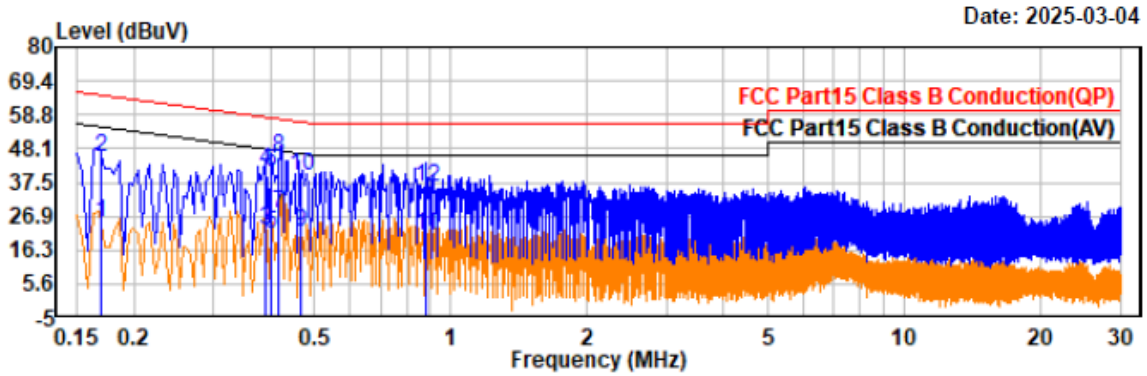


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.34	6.57	20.51	27.08	49.32	22.24	Neutral	Average
0.34	19.66	20.51	40.17	59.32	19.15	Neutral	QP
0.40	5.43	20.45	25.88	47.80	21.92	Neutral	Average
0.40	23.85	20.45	44.30	57.80	13.50	Neutral	QP
0.42	12.41	20.44	32.85	47.52	14.67	Neutral	Average
0.42	29.35	20.44	49.79	57.52	7.73	Neutral	QP
0.48	7.04	20.40	27.44	46.33	18.89	Neutral	Average
0.48	22.83	20.40	43.23	56.33	13.10	Neutral	QP
0.53	3.60	20.37	23.97	46.00	22.03	Neutral	Average
0.53	18.50	20.37	38.87	56.00	17.13	Neutral	QP
0.76	6.56	20.45	27.01	46.00	18.99	Neutral	Average
0.76	19.40	20.45	39.85	56.00	16.15	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(173.9875MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

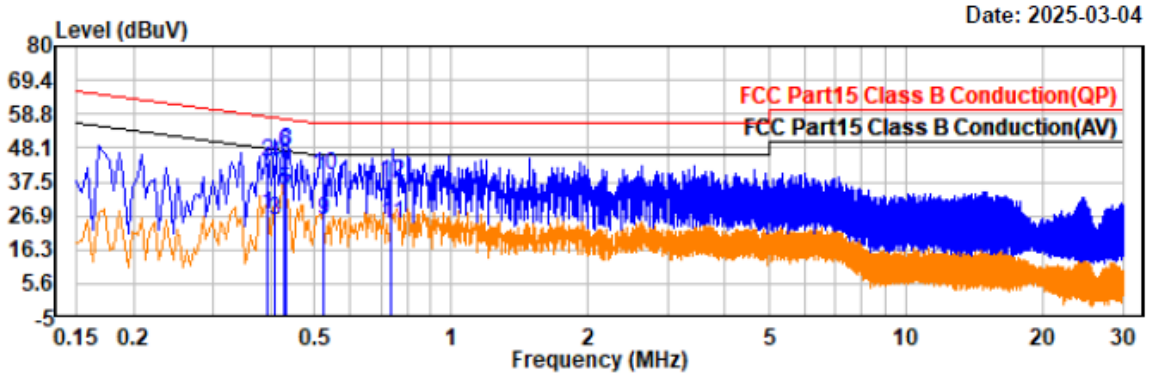


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.17	3.90	20.78	24.68	55.01	30.33	Line	Average
0.17	24.75	20.78	45.53	65.01	19.48	Line	QP
0.39	2.18	20.36	22.54	48.02	25.48	Line	Average
0.39	20.84	20.36	41.20	58.02	16.82	Line	QP
0.40	1.10	20.35	21.45	47.80	26.35	Line	Average
0.40	20.54	20.35	40.89	57.80	16.91	Line	QP
0.42	7.35	20.34	27.69	47.51	19.82	Line	Average
0.42	25.25	20.34	45.59	57.51	11.92	Line	QP
0.47	1.41	20.31	21.72	46.54	24.82	Line	Average
0.47	19.43	20.31	39.74	56.54	16.80	Line	QP
0.88	-0.24	20.77	20.53	46.00	25.47	Line	Average
0.88	15.53	20.77	36.30	56.00	19.70	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(173.9875MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

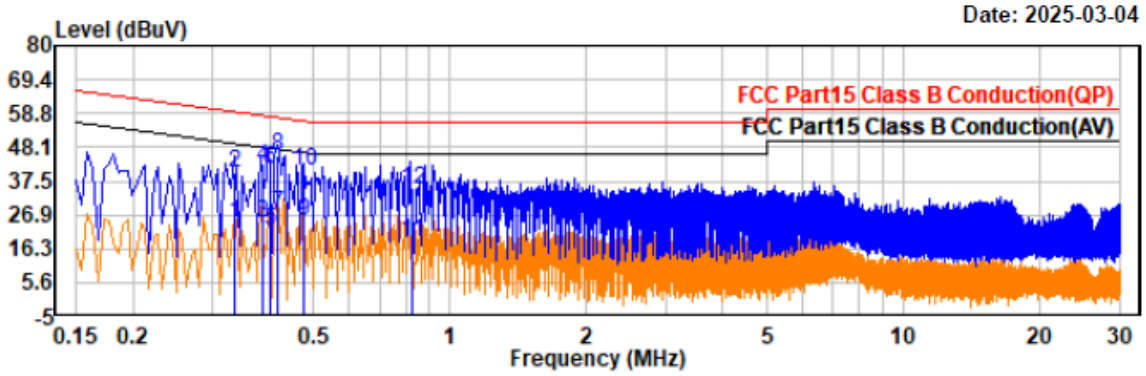


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.39	7.00	20.46	27.46	47.98	20.52	Neutral	Average
0.39	23.26	20.46	43.72	57.98	14.26	Neutral	QP
0.41	5.01	20.45	25.46	47.70	22.24	Neutral	Average
0.41	22.84	20.45	43.29	57.70	14.41	Neutral	QP
0.43	14.49	20.44	34.93	47.29	12.36	Neutral	Average
0.43	25.97	20.44	46.41	57.29	10.88	Neutral	QP
0.43	12.07	20.44	32.51	47.18	14.67	Neutral	Average
0.43	26.72	20.44	47.16	57.18	10.02	Neutral	QP
0.52	5.05	20.38	25.43	46.00	20.57	Neutral	Average
0.52	19.27	20.38	39.65	56.00	16.35	Neutral	QP
0.74	3.65	20.39	24.04	46.00	21.96	Neutral	Average
0.74	17.09	20.39	37.48	56.00	18.52	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(350.0125MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

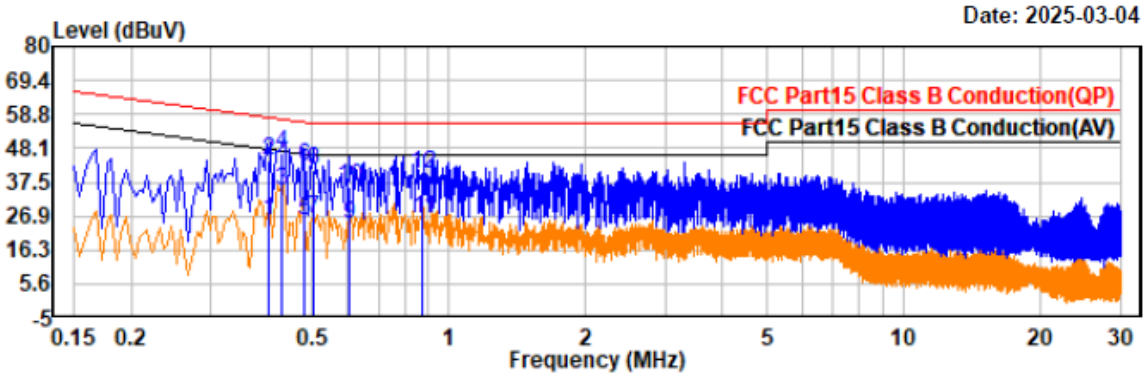


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.34	4.12	20.41	24.53	49.32	24.79	Line	Average
0.34	19.69	20.41	40.10	59.32	19.22	Line	QP
0.39	3.72	20.36	24.08	48.12	24.04	Line	Average
0.39	21.43	20.36	41.79	58.12	16.33	Line	QP
0.40	1.37	20.35	21.72	47.84	26.12	Line	Average
0.40	20.97	20.35	41.32	57.84	16.52	Line	QP
0.42	6.67	20.34	27.01	47.54	20.53	Line	Average
0.42	24.97	20.34	45.31	57.54	12.23	Line	QP
0.48	4.39	20.31	24.70	46.40	21.70	Line	Average
0.48	20.40	20.31	40.71	56.40	15.69	Line	QP
0.82	-2.23	20.69	18.46	46.00	27.54	Line	Average
0.82	14.28	20.69	34.97	56.00	21.03	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(350.0125MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

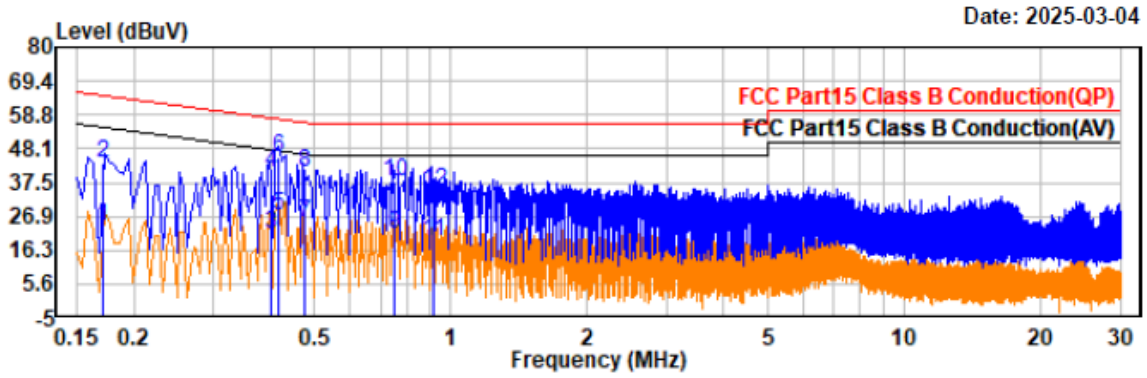


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.40	4.85	20.45	25.30	47.80	22.50	Neutral	Average
0.40	23.59	20.45	44.04	57.80	13.76	Neutral	QP
0.43	14.32	20.44	34.76	47.25	12.49	Neutral	Average
0.43	26.11	20.44	46.55	57.25	10.70	Neutral	QP
0.48	5.19	20.40	25.59	46.29	20.70	Neutral	Average
0.48	21.80	20.40	42.20	56.29	14.09	Neutral	QP
0.50	5.45	20.39	25.84	46.00	20.16	Neutral	Average
0.50	20.86	20.39	41.25	56.00	14.75	Neutral	QP
0.60	4.00	20.34	24.34	46.00	21.66	Neutral	Average
0.60	15.92	20.34	36.26	56.00	19.74	Neutral	QP
0.88	5.18	20.69	25.87	46.00	20.13	Neutral	Average
0.88	19.51	20.69	40.20	56.00	15.80	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(370MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

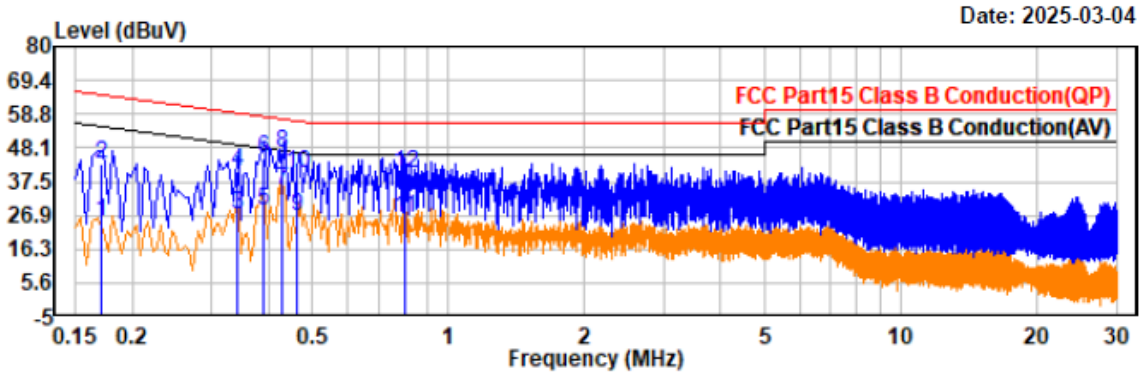


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.17	2.96	20.76	23.72	54.89	31.17	Line	Average
0.17	23.16	20.76	43.92	64.89	20.97	Line	QP
0.40	1.16	20.35	21.51	47.83	26.32	Line	Average
0.40	20.30	20.35	40.65	57.83	17.18	Line	QP
0.42	7.19	20.34	27.53	47.51	19.98	Line	Average
0.42	25.28	20.34	45.62	57.51	11.89	Line	QP
0.48	4.69	20.31	25.00	46.41	21.41	Line	Average
0.48	20.51	20.31	40.82	56.41	15.59	Line	QP
0.75	0.81	20.59	21.40	46.00	24.60	Line	Average
0.75	16.97	20.59	37.56	56.00	18.44	Line	QP
0.91	-1.55	20.81	19.26	46.00	26.74	Line	Average
0.91	14.17	20.81	34.98	56.00	21.02	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(370MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

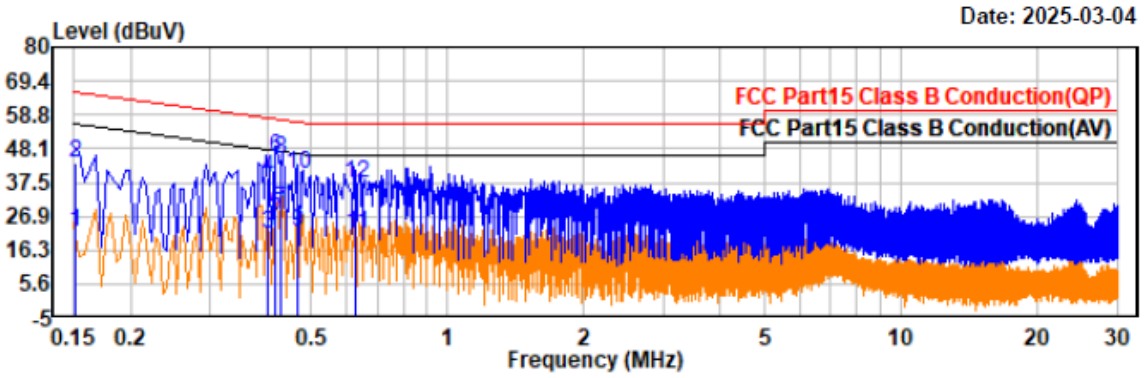


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.17	4.09	20.70	24.79	54.92	30.13	Neutral	Average
0.17	22.33	20.70	43.03	64.92	21.89	Neutral	QP
0.34	6.82	20.51	27.33	49.19	21.86	Neutral	Average
0.34	19.93	20.51	40.44	59.19	18.75	Neutral	QP
0.39	7.82	20.46	28.28	48.02	19.74	Neutral	Average
0.39	24.47	20.46	44.93	58.02	13.09	Neutral	QP
0.43	14.68	20.44	35.12	47.26	12.14	Neutral	Average
0.43	26.36	20.44	46.80	57.26	10.46	Neutral	QP
0.46	6.15	20.41	26.56	46.61	20.05	Neutral	Average
0.46	19.54	20.41	39.95	56.61	16.66	Neutral	QP
0.80	5.83	20.53	26.36	46.00	19.64	Neutral	Average
0.80	19.51	20.53	40.04	56.00	15.96	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(389.9875MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

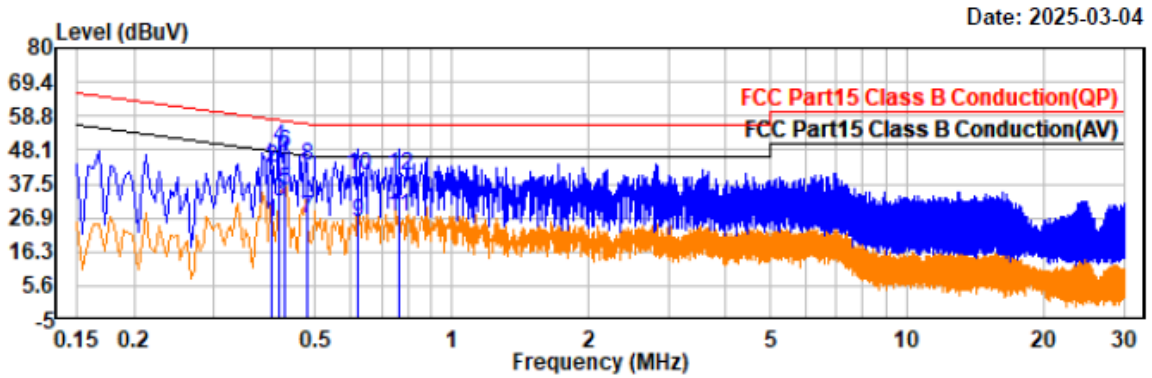


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.15	0.81	20.92	21.73	55.92	34.19	Line	Average
0.15	22.88	20.92	43.80	65.92	22.12	Line	QP
0.40	0.78	20.35	21.13	47.82	26.69	Line	Average
0.40	18.54	20.35	38.89	57.82	18.93	Line	QP
0.42	7.03	20.34	27.37	47.50	20.13	Line	Average
0.42	24.96	20.34	45.30	57.50	12.20	Line	QP
0.43	8.59	20.34	28.93	47.26	18.33	Line	Average
0.43	24.26	20.34	44.60	57.26	12.66	Line	QP
0.47	1.84	20.31	22.15	46.52	24.37	Line	Average
0.47	19.54	20.31	39.85	56.52	16.67	Line	QP
0.63	0.79	20.44	21.23	46.00	24.77	Line	Average
0.63	16.49	20.44	36.93	56.00	19.07	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(389.9875MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

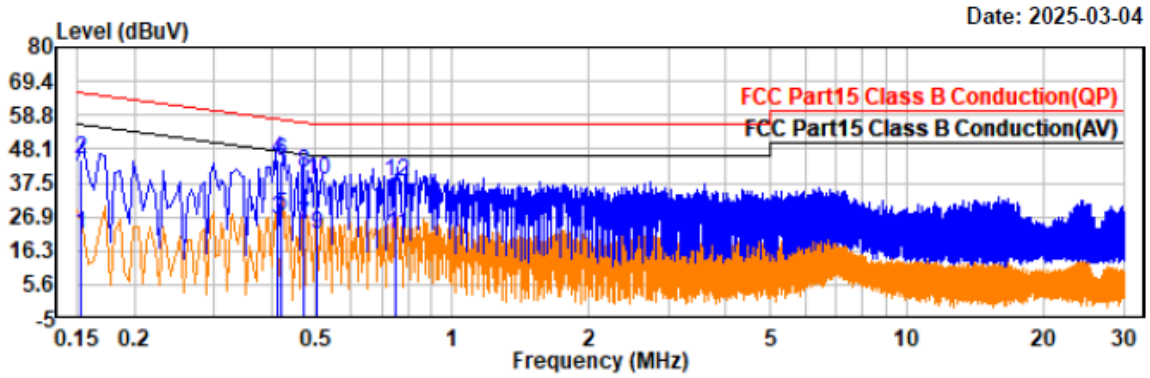


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.40	4.99	20.45	25.44	47.86	22.42	Neutral	Average
0.40	21.83	20.45	42.28	57.86	15.58	Neutral	QP
0.42	11.36	20.44	31.80	47.52	15.72	Neutral	Average
0.42	28.30	20.44	48.74	57.52	8.78	Neutral	QP
0.43	14.82	20.44	35.26	47.24	11.98	Neutral	Average
0.43	26.91	20.44	47.35	57.24	9.89	Neutral	QP
0.48	6.15	20.40	26.55	46.29	19.74	Neutral	Average
0.48	22.53	20.40	42.93	56.29	13.36	Neutral	QP
0.62	5.06	20.33	25.39	46.00	20.61	Neutral	Average
0.62	20.01	20.33	40.34	56.00	15.66	Neutral	QP
0.76	6.92	20.46	27.38	46.00	18.62	Neutral	Average
0.76	19.70	20.46	40.16	56.00	15.84	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(400.0125MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

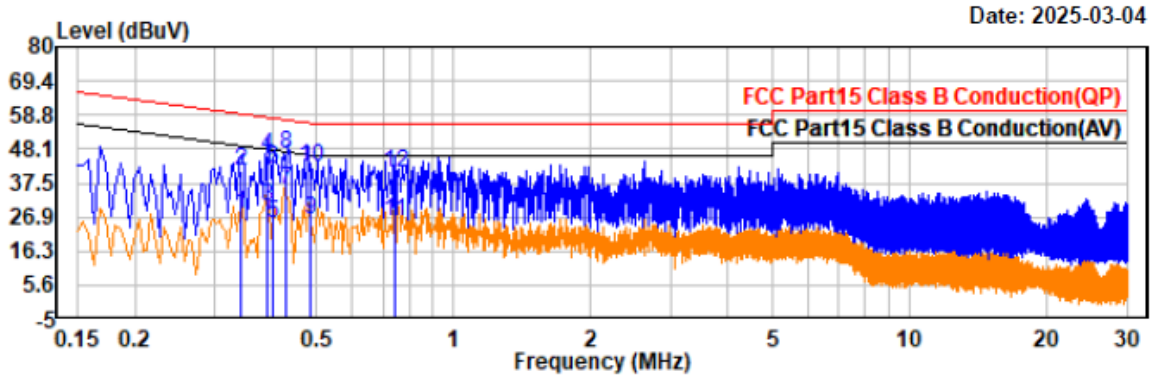


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.15	0.74	20.90	21.64	55.83	34.19	Line	Average
0.15	23.67	20.90	44.57	65.83	21.26	Line	QP
0.41	5.91	20.34	26.25	47.55	21.30	Line	Average
0.41	24.71	20.34	45.05	57.55	12.50	Line	QP
0.42	7.17	20.34	27.51	47.44	19.93	Line	Average
0.42	24.14	20.34	44.48	57.44	12.96	Line	QP
0.47	4.14	20.31	24.45	46.45	22.00	Line	Average
0.47	20.46	20.31	40.77	56.45	15.68	Line	QP
0.50	1.13	20.29	21.42	46.00	24.58	Line	Average
0.50	18.29	20.29	38.58	56.00	17.42	Line	QP
0.75	1.04	20.59	21.63	46.00	24.37	Line	Average
0.75	17.40	20.59	37.99	56.00	18.01	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(400.0125MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

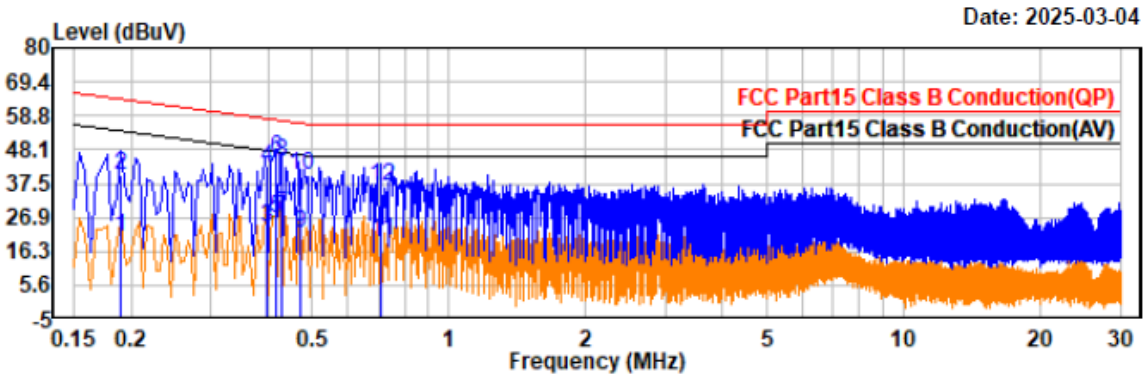


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.34	7.30	20.51	27.81	49.18	21.37	Neutral	Average
0.34	21.06	20.51	41.57	59.18	17.61	Neutral	QP
0.39	9.49	20.46	29.95	48.02	18.07	Neutral	Average
0.39	25.47	20.46	45.93	58.02	12.09	Neutral	QP
0.40	4.18	20.45	24.63	47.79	23.16	Neutral	Average
0.40	21.30	20.45	41.75	57.79	16.04	Neutral	QP
0.43	14.76	20.44	35.20	47.27	12.07	Neutral	Average
0.43	25.86	20.44	46.30	57.27	10.97	Neutral	QP
0.48	5.75	20.40	26.15	46.28	20.13	Neutral	Average
0.48	22.19	20.40	42.59	56.28	13.69	Neutral	QP
0.74	5.17	20.40	25.57	46.00	20.43	Neutral	Average
0.74	20.16	20.40	40.56	56.00	15.44	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(460MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

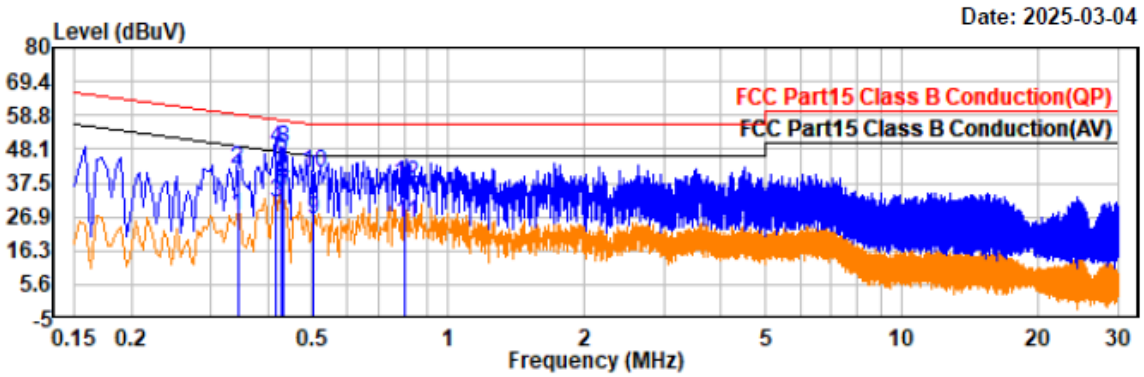


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.19	0.31	20.64	20.95	54.06	33.11	Line	Average
0.19	19.44	20.64	40.08	64.06	23.98	Line	QP
0.40	3.33	20.36	23.69	47.93	24.24	Line	Average
0.40	21.89	20.36	42.25	57.93	15.68	Line	QP
0.42	6.47	20.34	26.81	47.52	20.71	Line	Average
0.42	24.94	20.34	45.28	57.52	12.24	Line	QP
0.43	7.53	20.34	27.87	47.30	19.43	Line	Average
0.43	23.99	20.34	44.33	57.30	12.97	Line	QP
0.47	1.88	20.31	22.19	46.51	24.32	Line	Average
0.47	19.61	20.31	39.92	56.51	16.59	Line	QP
0.71	-0.71	20.52	19.81	46.00	26.19	Line	Average
0.71	16.15	20.52	36.67	56.00	19.33	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(460MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

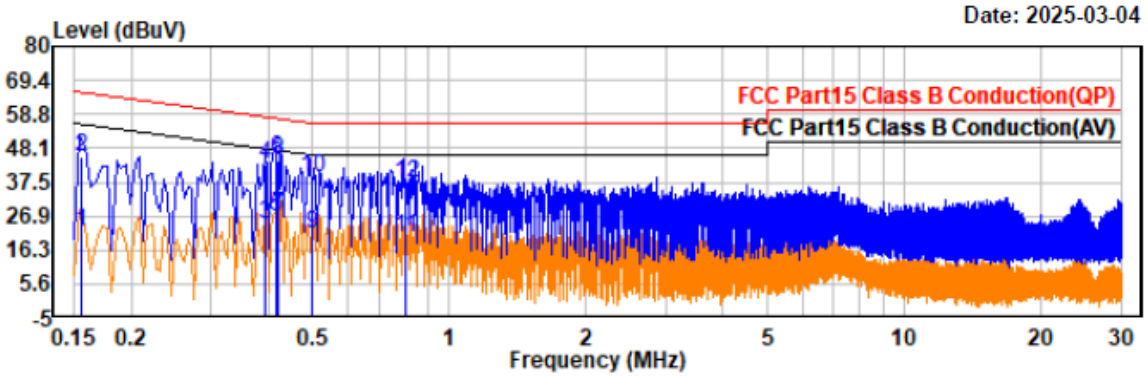


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.34	6.49	20.50	26.99	49.12	22.13	Neutral	Average
0.34	21.14	20.50	41.64	59.12	17.48	Neutral	QP
0.42	11.00	20.44	31.44	47.52	16.08	Neutral	Average
0.42	28.03	20.44	48.47	57.52	9.05	Neutral	QP
0.43	14.37	20.44	34.81	47.26	12.45	Neutral	Average
0.43	25.70	20.44	46.14	57.26	11.12	Neutral	QP
0.43	13.79	20.44	34.23	47.18	12.95	Neutral	Average
0.43	27.67	20.44	48.11	57.18	9.07	Neutral	QP
0.51	5.42	20.39	25.81	46.00	20.19	Neutral	Average
0.51	20.41	20.39	40.80	56.00	15.20	Neutral	QP
0.81	4.11	20.55	24.66	46.00	21.34	Neutral	Average
0.81	16.78	20.55	37.33	56.00	18.67	Neutral	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(519.9875MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)

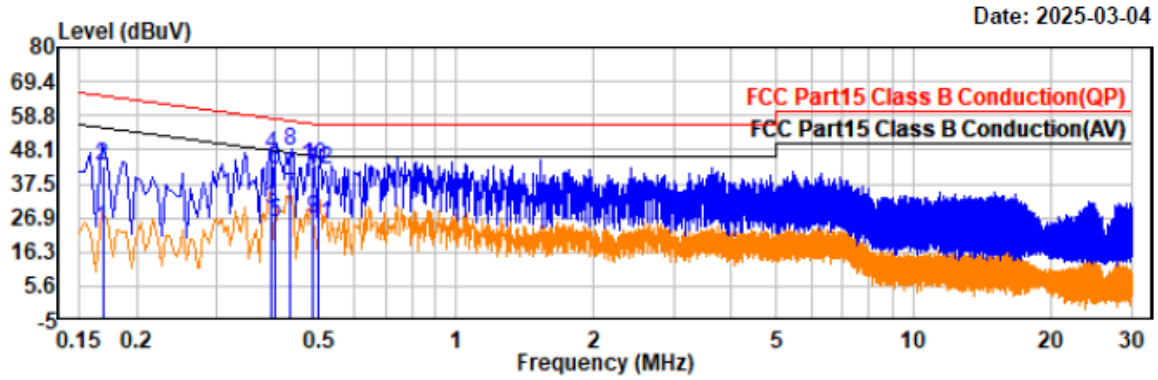


Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.16	1.23	20.88	22.11	55.72	33.61	Line	Average
0.16	24.45	20.88	45.33	65.72	20.39	Line	QP
0.40	4.05	20.36	24.41	47.95	23.54	Line	Average
0.40	22.68	20.36	43.04	57.95	14.91	Line	QP
0.42	6.24	20.34	26.58	47.54	20.96	Line	Average
0.42	24.71	20.34	45.05	57.54	12.49	Line	QP
0.42	6.85	20.34	27.19	47.44	20.25	Line	Average
0.42	23.91	20.34	44.25	57.44	13.19	Line	QP
0.50	1.02	20.29	21.31	46.00	24.69	Line	Average
0.50	18.69	20.29	38.98	56.00	17.02	Line	QP
0.80	-0.51	20.66	20.15	46.00	25.85	Line	Average
0.80	16.35	20.66	37.01	56.00	18.99	Line	QP

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(519.9875MHz)
EUT Model: UV-88

Temp/Humi/ATM: 21.7℃/61%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from Adapter (AC 120V/60Hz)



Trace: 1
Condition: QP RBW:9kHz
AV RBW:9kHz

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.17	3.31	20.70	24.01	55.03	31.02	Neutral	Average
0.17	22.64	20.70	43.34	65.03	21.69	Neutral	QP
0.39	8.92	20.46	29.38	47.96	18.58	Neutral	Average
0.39	26.01	20.46	46.47	57.96	11.49	Neutral	QP
0.40	5.18	20.45	25.63	47.80	22.17	Neutral	Average
0.40	21.66	20.45	42.11	57.80	15.69	Neutral	QP
0.43	13.46	20.44	33.90	47.18	13.28	Neutral	Average
0.43	27.41	20.44	47.85	57.18	9.33	Neutral	QP
0.48	6.35	20.40	26.75	46.27	19.52	Neutral	Average
0.48	22.68	20.40	43.08	56.27	13.19	Neutral	QP
0.50	4.69	20.39	25.08	46.00	20.92	Neutral	Average
0.50	21.53	20.39	41.92	56.00	14.08	Neutral	QP

FCC §15.109 - RADIATED EMISSION IN FREQUENCY

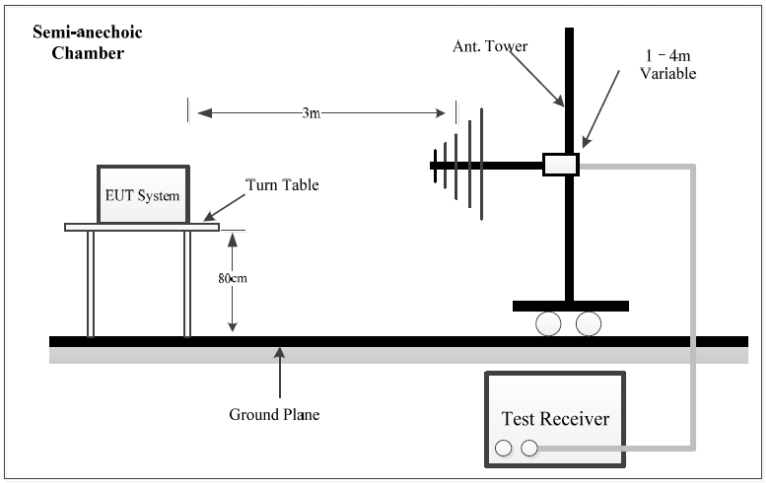
Applicable Standard

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:

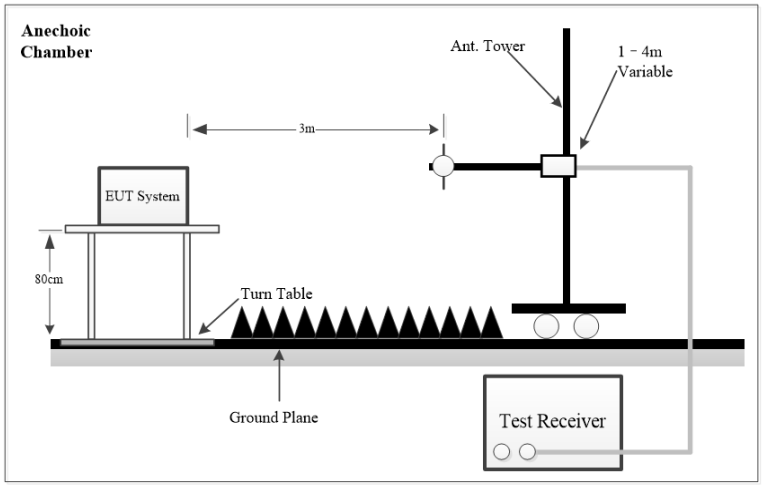
Frequency of emission (MHz)	Field strength (microvolts/meter)
30–88	100
88–216	150
216–960	200
Above 960	500

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	Detector
30 MHz – 1000 MHz	100 kHz	300 kHz	PK
Above 1 GHz	1 MHz	3 MHz	PK
	1 MHz	10 Hz	AV

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)

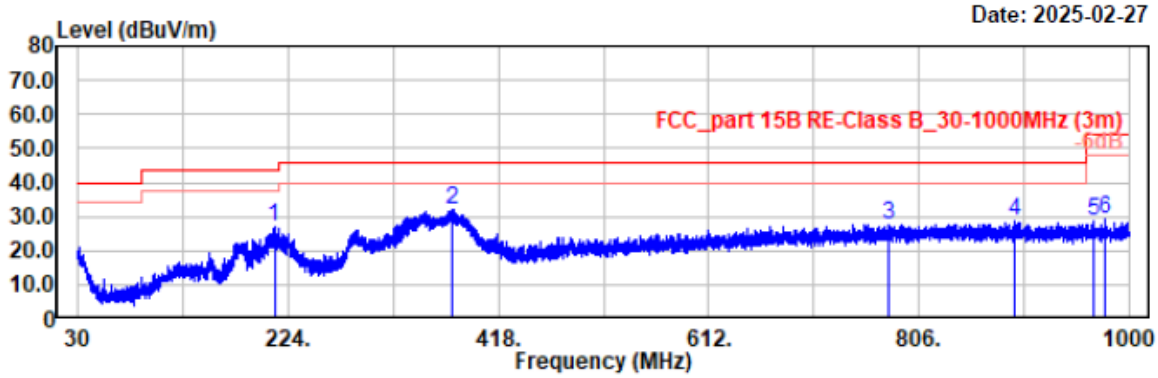
Test Data

Please refer to below plots:

1) 30MHz-1GHz:

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter (AC 120V/60Hz)

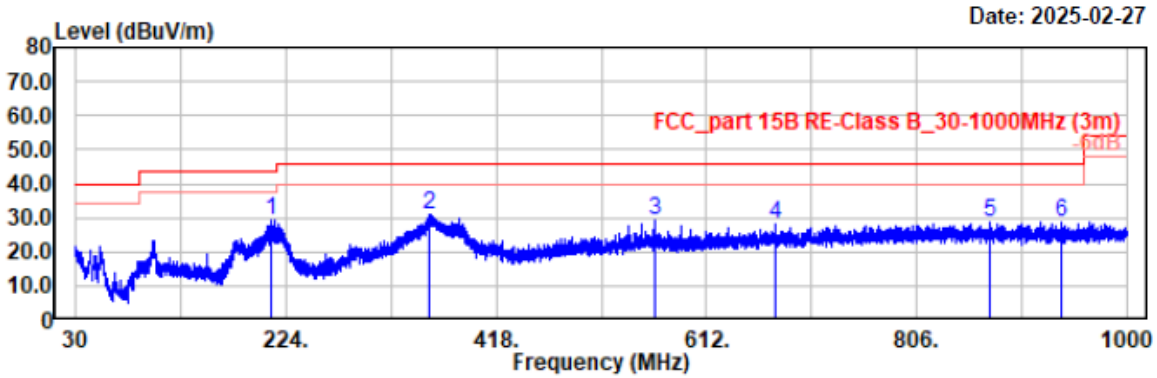


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
211.20	39.46	-12.64	26.82	43.50	16.68	Horizontal	Peak
375.71	39.26	-7.24	32.02	46.00	13.98	Horizontal	Peak
777.87	26.74	1.03	27.77	46.00	18.23	Horizontal	Peak
894.17	26.03	2.44	28.47	46.00	17.53	Horizontal	Peak
967.41	25.24	3.45	28.69	54.00	25.31	Horizontal	Peak
977.01	25.80	3.65	29.45	54.00	24.55	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

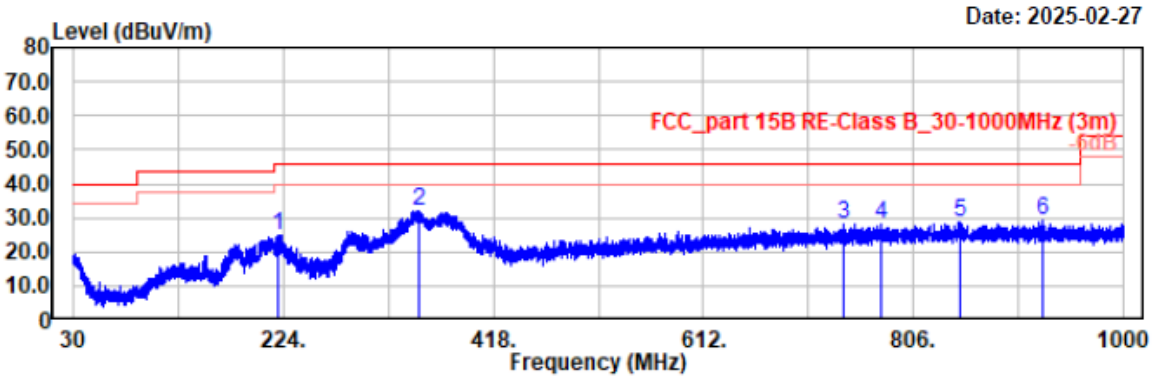


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
210.03	42.00	-12.63	29.37	43.50	14.13	Vertical	Peak
356.02	38.69	-7.93	30.76	46.00	15.24	Vertical	Peak
563.79	31.51	-2.49	29.02	46.00	16.98	Vertical	Peak
675.92	28.56	-0.63	27.93	46.00	18.07	Vertical	Peak
873.32	26.42	2.20	28.62	46.00	17.38	Vertical	Peak
939.18	25.83	3.02	28.85	46.00	17.15	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(350-390MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

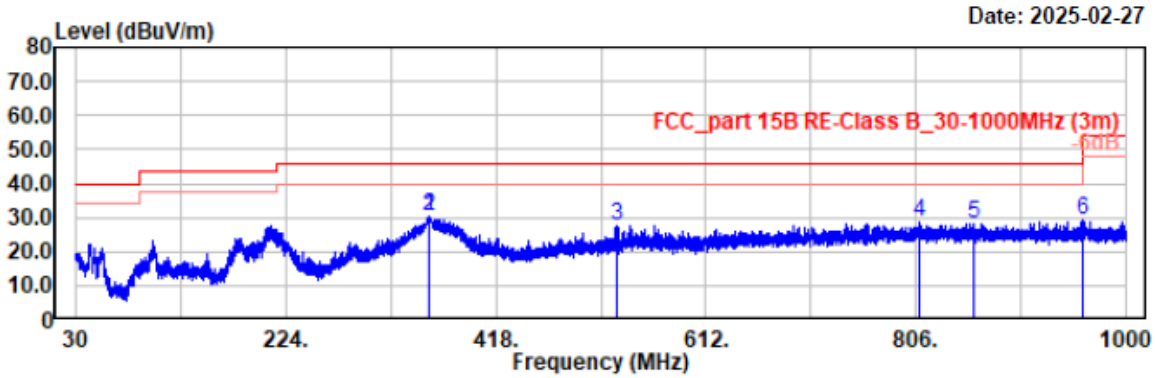


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
219.73	37.58	-12.65	24.93	46.00	21.07	Horizontal	Peak
348.45	40.24	-8.08	32.16	46.00	13.84	Horizontal	Peak
741.20	28.00	0.35	28.35	46.00	17.65	Horizontal	Peak
776.42	27.26	0.99	28.25	46.00	17.75	Horizontal	Peak
849.07	26.52	1.92	28.44	46.00	17.56	Horizontal	Peak
925.02	26.22	2.84	29.06	46.00	16.94	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(350-390MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter (AC 120V/60Hz)

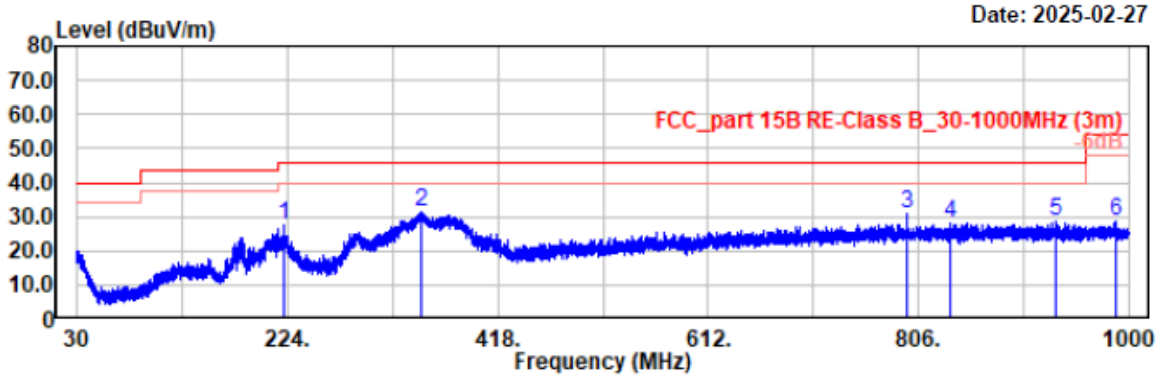


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
355.34	38.20	-7.97	30.23	46.00	15.77	Vertical	Peak
355.34	38.20	-7.97	30.23	46.00	15.77	Vertical	Peak
530.33	31.00	-3.23	27.77	46.00	18.23	Vertical	Peak
810.07	27.24	1.39	28.63	46.00	17.37	Vertical	Peak
858.96	26.33	2.05	28.38	46.00	17.62	Vertical	Peak
961.01	25.72	3.40	29.12	54.00	24.88	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(400-520MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

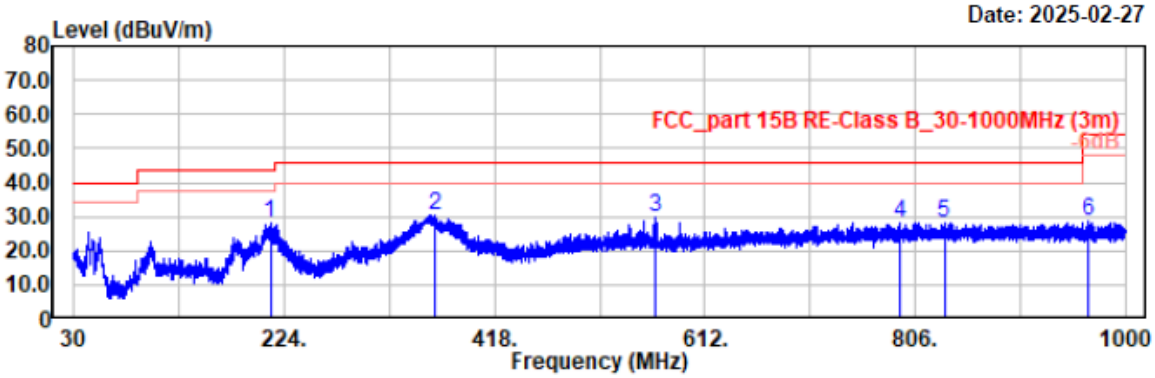


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
220.70	40.18	-12.63	27.55	46.00	18.45	Horizontal	Peak
347.58	39.33	-8.12	31.21	46.00	14.79	Horizontal	Peak
795.23	29.41	1.23	30.64	46.00	15.36	Horizontal	Peak
836.07	26.11	1.79	27.90	46.00	18.10	Horizontal	Peak
931.91	25.49	2.94	28.43	46.00	17.57	Horizontal	Peak
987.68	24.78	3.84	28.62	54.00	25.38	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(400-520MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

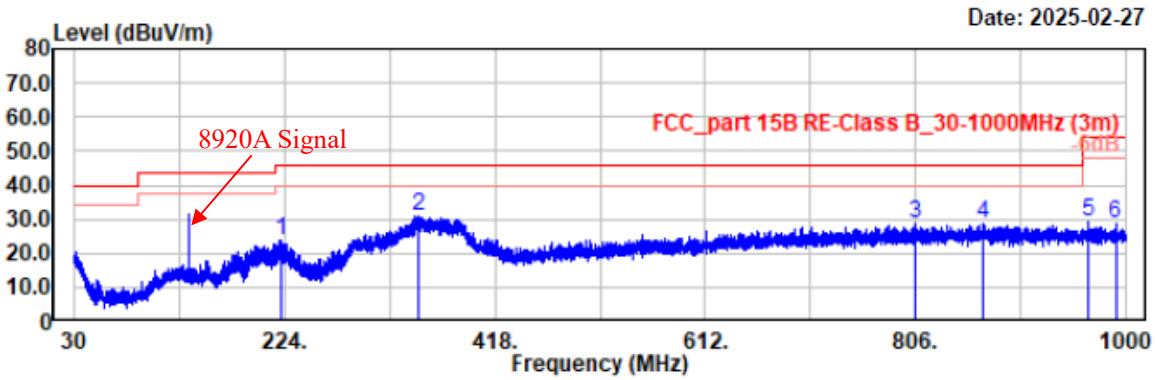


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
211.20	40.67	-12.64	28.03	43.50	15.47	Vertical	Peak
363.58	38.07	-7.58	30.49	46.00	15.51	Vertical	Peak
566.90	32.01	-2.46	29.55	46.00	16.45	Vertical	Peak
792.32	27.01	1.17	28.18	46.00	17.82	Vertical	Peak
832.77	26.21	1.78	27.99	46.00	18.01	Vertical	Peak
965.47	25.10	3.49	28.59	54.00	25.41	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(136.0125MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

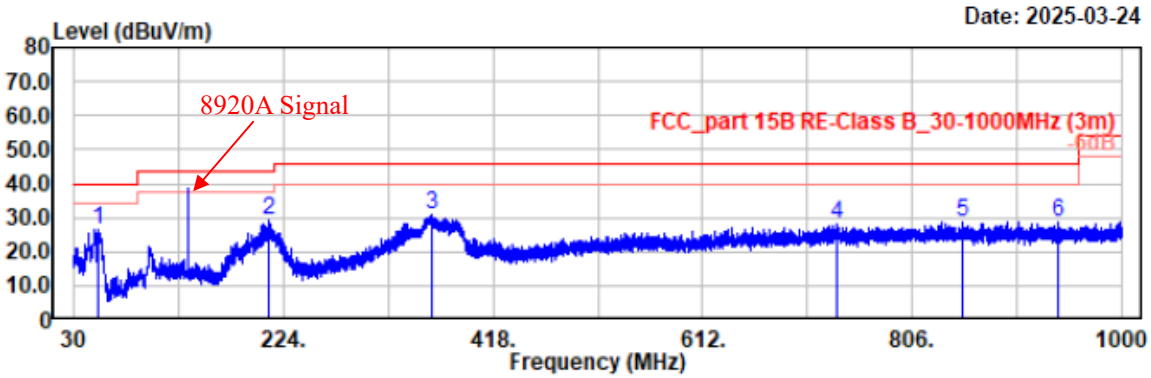


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
220.80	36.51	-12.62	23.89	46.00	22.11	Horizontal	Peak
347.19	39.08	-8.13	30.95	46.00	15.05	Horizontal	Peak
806.00	27.13	1.29	28.42	46.00	17.58	Horizontal	Peak
867.60	26.29	2.16	28.45	46.00	17.55	Horizontal	Peak
966.15	25.54	3.48	29.02	54.00	24.98	Horizontal	Peak
990.79	24.53	3.92	28.45	54.00	25.55	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(136.0125MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

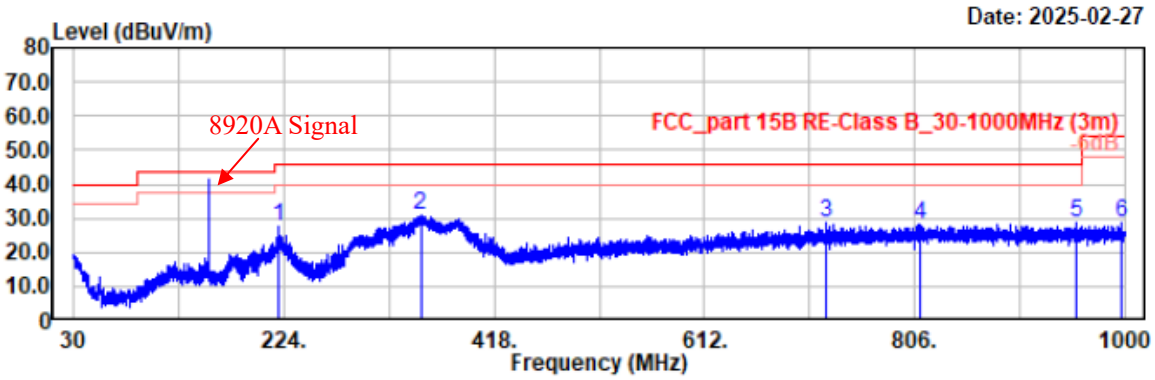


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
52.50	44.31	-17.72	26.59	40.00	13.41	Vertical	Peak
209.64	41.87	-12.59	29.28	43.50	14.22	Vertical	Peak
360.96	38.38	-7.70	30.68	46.00	15.32	Vertical	Peak
736.26	27.76	0.31	28.07	46.00	17.93	Vertical	Peak
853.34	26.95	1.95	28.90	46.00	17.10	Vertical	Peak
942.09	25.70	3.05	28.75	46.00	17.25	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(155MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

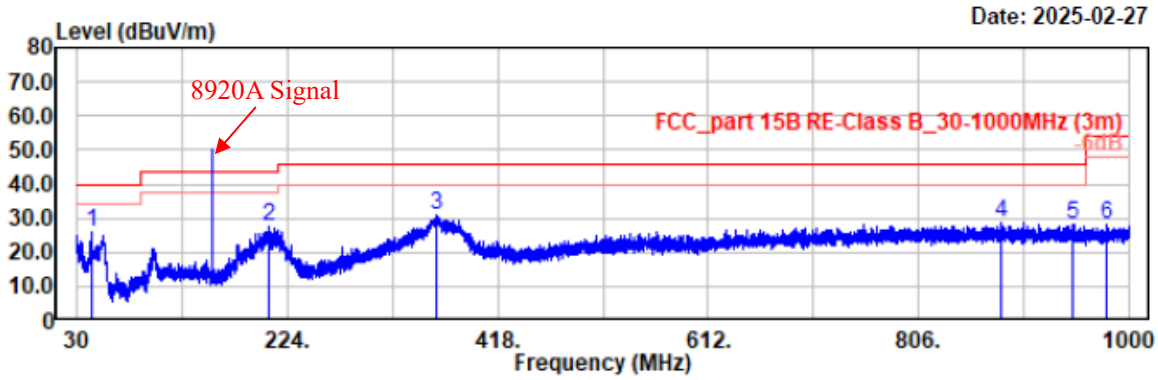


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
218.96	40.00	-12.65	27.35	46.00	18.65	Horizontal	Peak
350.10	38.90	-8.01	30.89	46.00	15.11	Horizontal	Peak
724.91	28.44	0.06	28.50	46.00	17.50	Horizontal	Peak
811.43	26.93	1.39	28.32	46.00	17.68	Horizontal	Peak
954.60	25.20	3.25	28.45	46.00	17.55	Horizontal	Peak
997.09	24.67	4.06	28.73	54.00	25.27	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(155MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

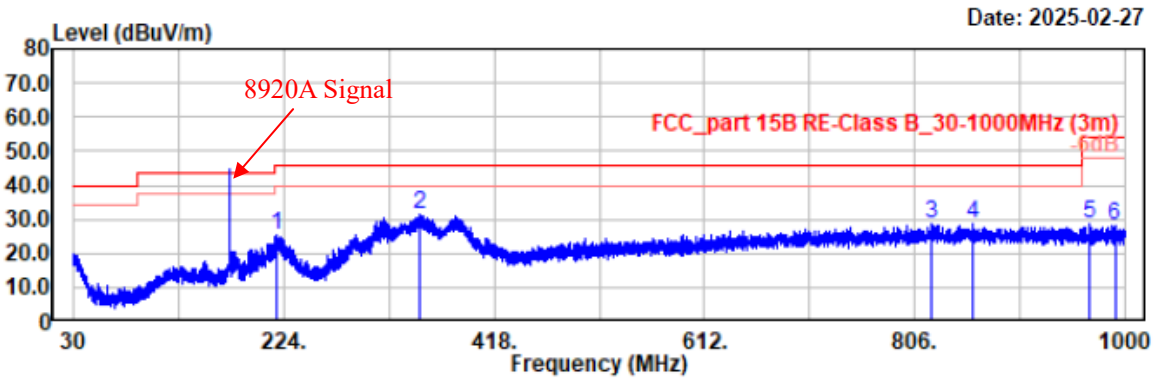


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
43.10	40.14	-13.97	26.17	40.00	13.83	Vertical	Peak
207.22	39.99	-12.32	27.67	43.50	15.83	Vertical	Peak
361.16	38.39	-7.69	30.70	46.00	15.30	Vertical	Peak
882.44	26.23	2.37	28.60	46.00	17.40	Vertical	Peak
947.81	24.96	3.13	28.09	46.00	17.91	Vertical	Peak
980.12	24.69	3.66	28.35	54.00	25.65	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(173.9875MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

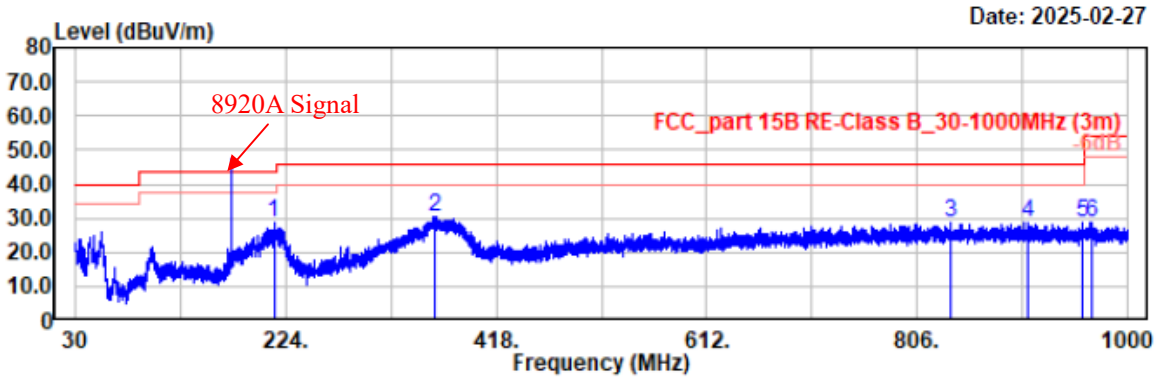


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
217.50	37.95	-12.67	25.28	46.00	20.72	Horizontal	Peak
349.03	39.30	-8.06	31.24	46.00	14.76	Horizontal	Peak
821.52	26.99	1.63	28.62	46.00	17.38	Horizontal	Peak
859.06	26.51	2.05	28.56	46.00	17.44	Horizontal	Peak
967.21	24.96	3.46	28.42	54.00	25.58	Horizontal	Peak
990.79	24.24	3.92	28.16	54.00	25.84	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(173.9875MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

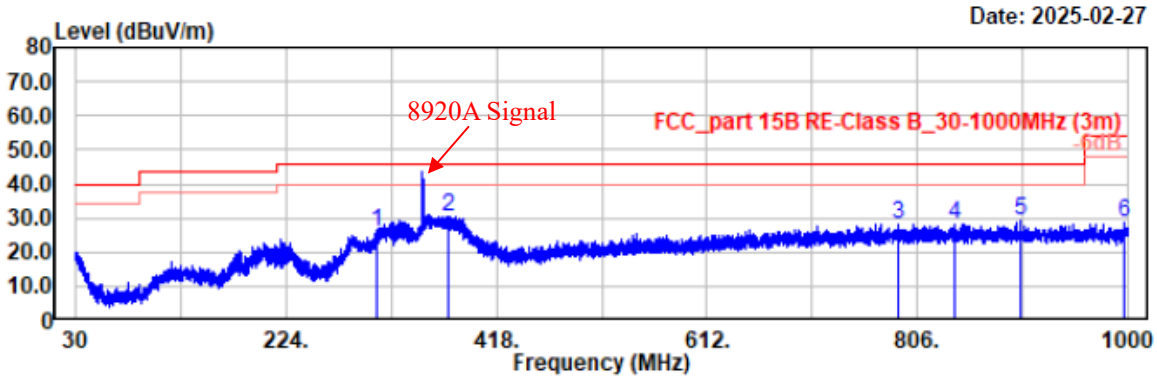


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
212.94	41.24	-12.67	28.57	43.50	14.93	Vertical	Peak
362.03	38.04	-7.66	30.38	46.00	15.62	Vertical	Peak
836.94	26.68	1.79	28.47	46.00	17.53	Vertical	Peak
908.34	26.13	2.64	28.77	46.00	17.23	Vertical	Peak
958.00	25.19	3.33	28.52	46.00	17.48	Vertical	Peak
966.63	25.11	3.47	28.58	54.00	25.42	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(350.0125MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

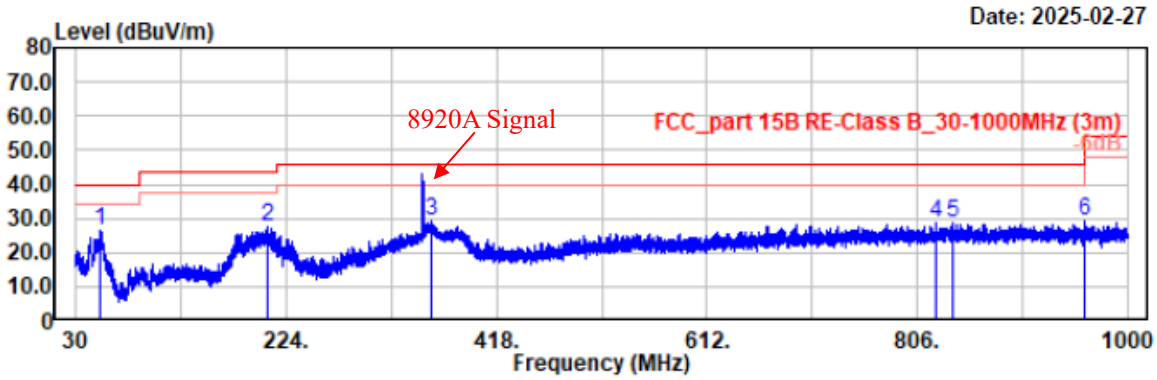


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
306.94	35.15	-9.09	26.06	46.00	19.94	Horizontal	Peak
374.16	37.88	-7.28	30.60	46.00	15.40	Horizontal	Peak
788.25	27.19	1.10	28.29	46.00	17.71	Horizontal	Peak
841.21	26.48	1.81	28.29	46.00	17.71	Horizontal	Peak
901.64	26.48	2.55	29.03	46.00	16.97	Horizontal	Peak
996.22	24.73	4.04	28.77	54.00	25.23	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(350.0125MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

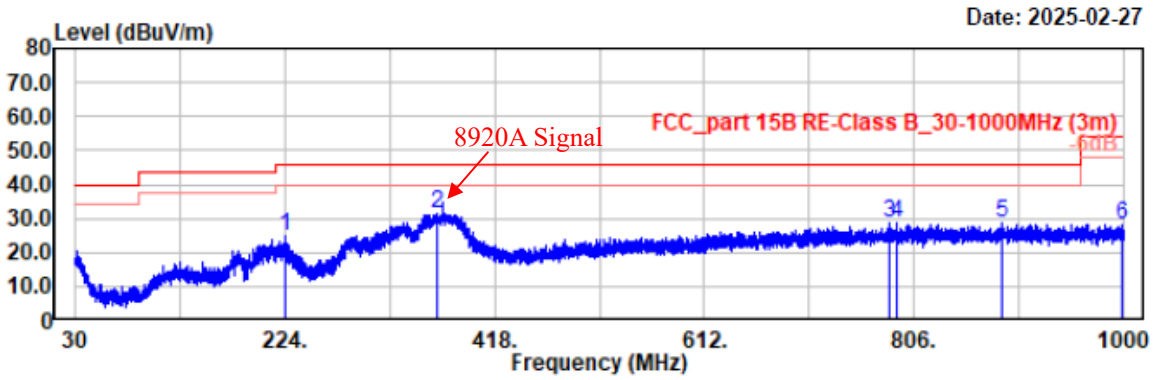


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
51.92	44.45	-17.70	26.75	40.00	13.25	Vertical	Peak
206.64	39.69	-12.25	27.44	43.50	16.06	Vertical	Peak
357.57	37.00	-7.86	29.14	46.00	16.86	Vertical	Peak
822.49	27.25	1.63	28.88	46.00	17.12	Vertical	Peak
839.47	26.65	1.80	28.45	46.00	17.55	Vertical	Peak
959.84	25.88	3.38	29.26	46.00	16.74	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(370MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

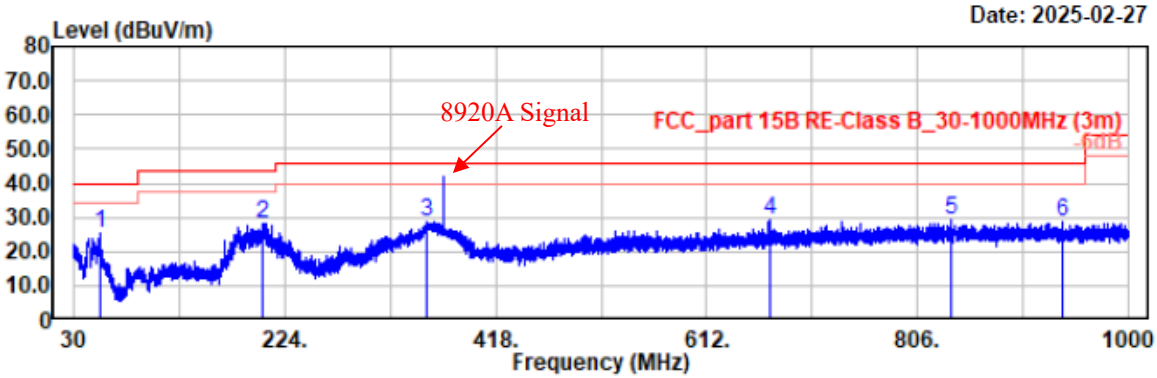


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
224.68	37.53	-12.52	25.01	46.00	20.99	Horizontal	Peak
364.94	38.70	-7.51	31.19	46.00	14.81	Horizontal	Peak
783.30	27.44	1.08	28.52	46.00	17.48	Horizontal	Peak
789.90	27.46	1.11	28.57	46.00	17.43	Horizontal	Peak
888.16	26.50	2.46	28.96	46.00	17.04	Horizontal	Peak
998.06	24.30	4.08	28.38	54.00	25.62	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(370MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

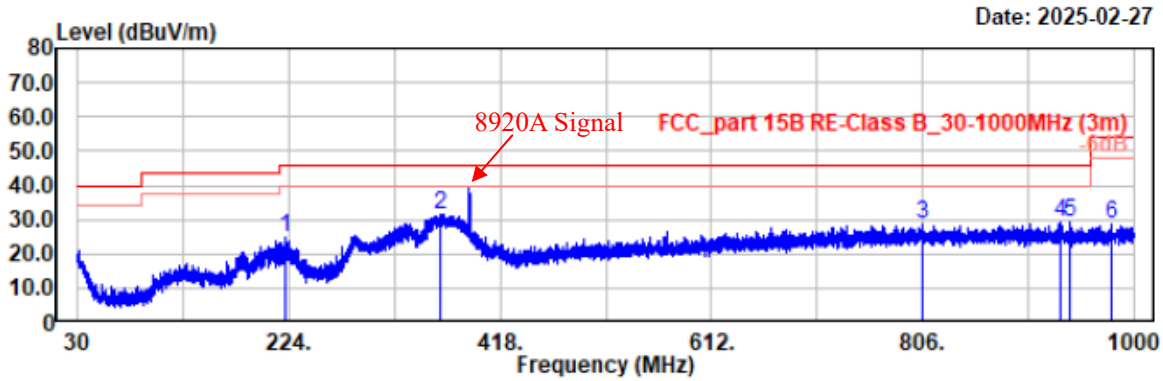


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
53.47	43.20	-17.77	25.43	40.00	14.57	Vertical	Peak
204.12	40.25	-12.01	28.24	43.50	15.26	Vertical	Peak
354.47	36.90	-7.98	28.92	46.00	17.08	Vertical	Peak
669.62	29.67	-0.64	29.03	46.00	16.97	Vertical	Peak
837.72	27.50	1.80	29.30	46.00	16.70	Vertical	Peak
940.05	25.66	3.00	28.66	46.00	17.34	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(389.9875MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

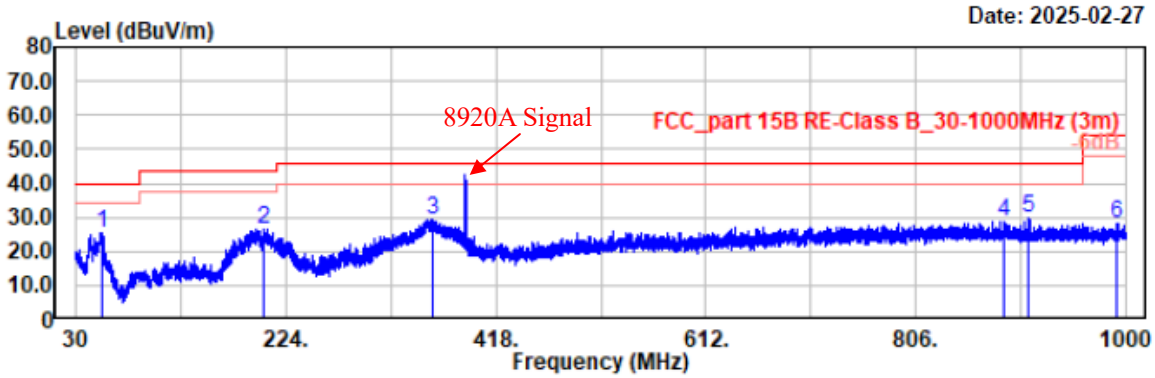


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
220.70	37.33	-12.63	24.70	46.00	21.30	Horizontal	Peak
363.78	38.96	-7.57	31.39	46.00	14.61	Horizontal	Peak
806.68	27.26	1.30	28.56	46.00	17.44	Horizontal	Peak
932.39	26.33	2.97	29.30	46.00	16.70	Horizontal	Peak
941.61	26.43	3.04	29.47	46.00	16.53	Horizontal	Peak
979.82	25.14	3.66	28.80	54.00	25.20	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(389.9875MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

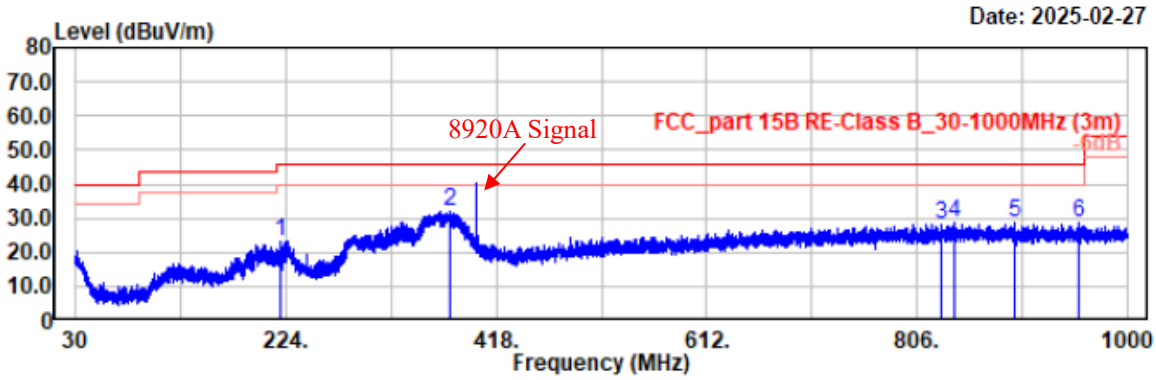


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
53.67	43.24	-17.79	25.45	40.00	14.55	Vertical	Peak
203.63	38.68	-11.97	26.71	43.50	16.79	Vertical	Peak
358.93	37.11	-7.80	29.31	46.00	16.69	Vertical	Peak
887.58	26.28	2.45	28.73	46.00	17.27	Vertical	Peak
910.86	26.92	2.68	29.60	46.00	16.40	Vertical	Peak
991.85	24.35	3.94	28.29	54.00	25.71	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(400.0125MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

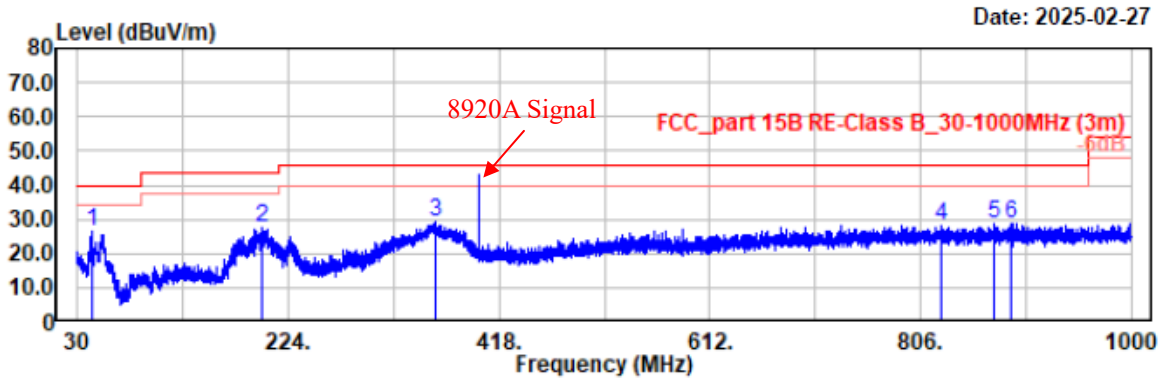


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
219.73	35.91	-12.65	23.26	46.00	22.74	Horizontal	Peak
375.42	39.05	-7.24	31.81	46.00	14.19	Horizontal	Peak
828.31	26.42	1.73	28.15	46.00	17.85	Horizontal	Peak
840.53	26.63	1.81	28.44	46.00	17.56	Horizontal	Peak
896.31	26.25	2.46	28.71	46.00	17.29	Horizontal	Peak
955.28	25.44	3.27	28.71	46.00	17.29	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(400.0125MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

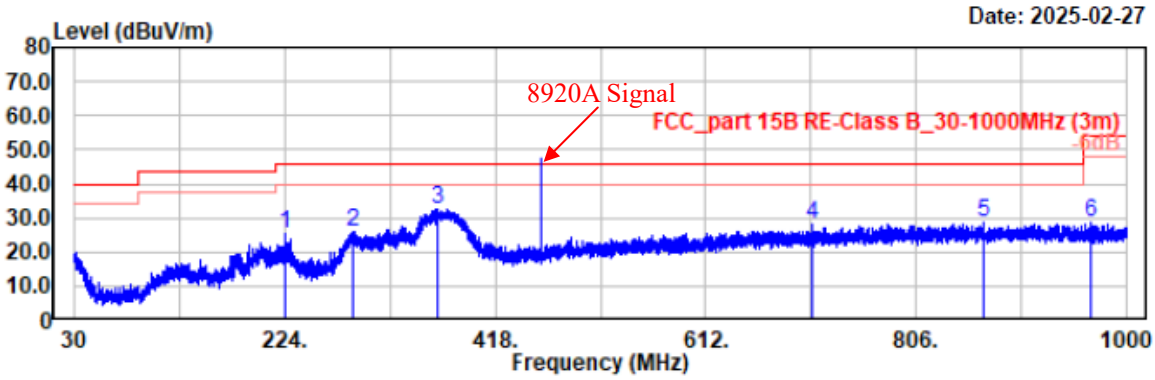


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
43.10	40.55	-13.97	26.58	40.00	13.42	Vertical	Peak
199.85	39.10	-11.69	27.41	43.50	16.09	Vertical	Peak
359.61	36.92	-7.77	29.15	46.00	16.85	Vertical	Peak
825.50	26.41	1.66	28.07	46.00	17.93	Vertical	Peak
873.80	26.68	2.22	28.90	46.00	17.10	Vertical	Peak
890.00	26.26	2.50	28.76	46.00	17.24	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(460MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

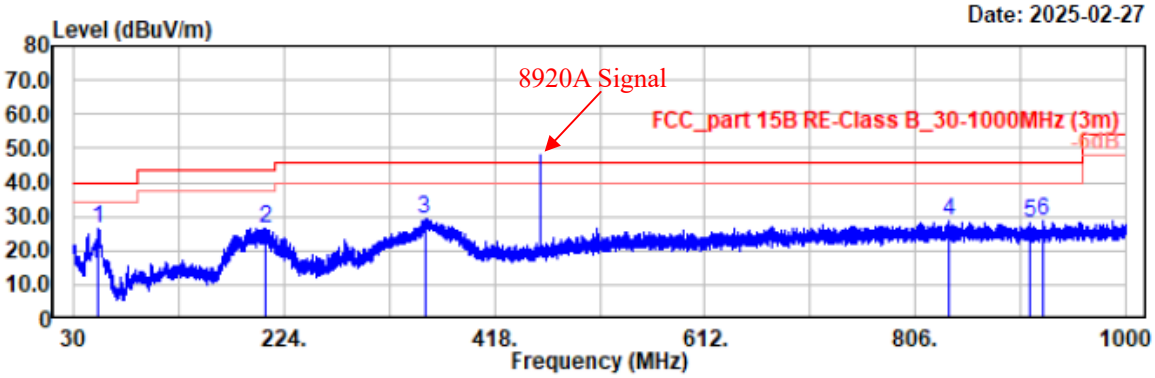


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
224.39	37.63	-12.52	25.11	46.00	20.89	Horizontal	Peak
286.08	35.00	-9.26	25.74	46.00	20.26	Horizontal	Peak
364.17	40.23	-7.55	32.68	46.00	13.32	Horizontal	Peak
709.97	28.35	-0.09	28.26	46.00	17.74	Horizontal	Peak
868.37	26.73	2.15	28.88	46.00	17.12	Horizontal	Peak
967.60	25.15	3.45	28.60	54.00	25.40	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(460MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

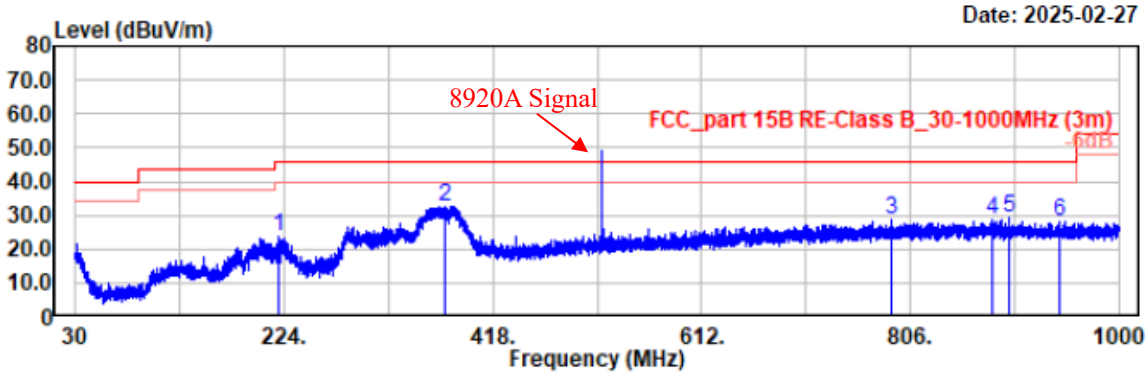


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
52.70	44.46	-17.72	26.74	40.00	13.26	Vertical	Peak
207.12	38.94	-12.30	26.64	43.50	16.86	Vertical	Peak
353.59	37.23	-7.99	29.24	46.00	16.76	Vertical	Peak
837.82	26.86	1.80	28.66	46.00	17.34	Vertical	Peak
912.02	25.20	2.68	27.88	46.00	18.12	Vertical	Peak
924.24	25.98	2.82	28.80	46.00	17.20	Vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(519.9875MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)

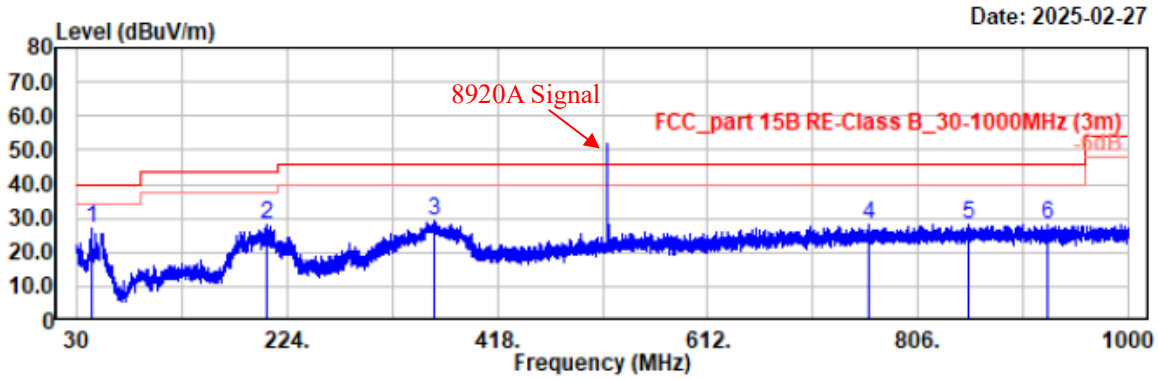


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
219.64	36.12	-12.65	23.47	46.00	22.53	Horizontal	Peak
373.19	40.04	-7.30	32.74	46.00	13.26	Horizontal	Peak
788.54	27.42	1.10	28.52	46.00	17.48	Horizontal	Peak
882.63	26.40	2.37	28.77	46.00	17.23	Horizontal	Peak
898.15	26.60	2.49	29.09	46.00	16.91	Horizontal	Peak
944.23	25.17	3.10	28.27	46.00	17.73	Horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(519.9875MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 23.8℃/53%/100.1kPa
Tested by: Jason Hu
Power Source: DC 5V from Adapter
(AC 120V/60Hz)



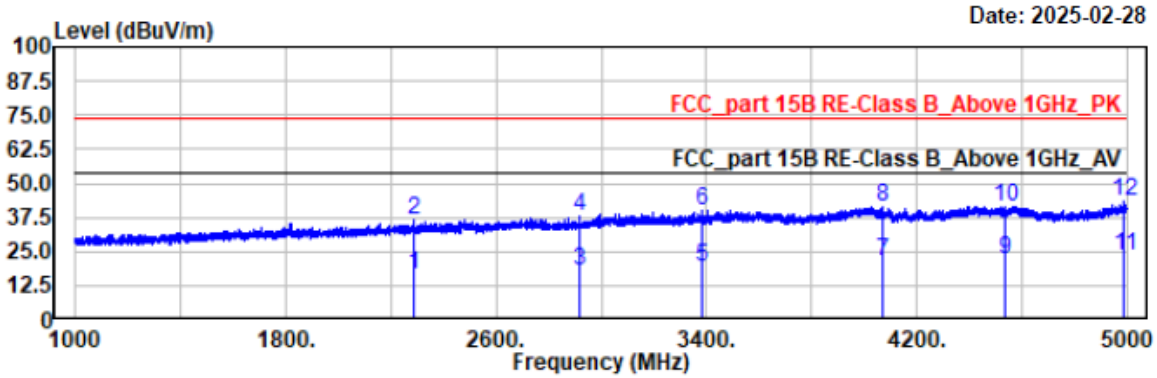
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
43.77	41.57	-14.43	27.14	40.00	12.86	Vertical	Peak
205.18	40.11	-12.09	28.02	43.50	15.48	Vertical	Peak
360.09	37.11	-7.75	29.36	46.00	16.64	Vertical	Peak
760.31	27.63	0.61	28.24	46.00	17.76	Vertical	Peak
853.53	26.27	1.95	28.22	46.00	17.78	Vertical	Peak
925.60	25.20	2.84	28.04	46.00	17.96	Vertical	Peak

2）1GHz ~ 5GHz (Worst)

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 20.7℃/53%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from adapter (AC 120V/60Hz)

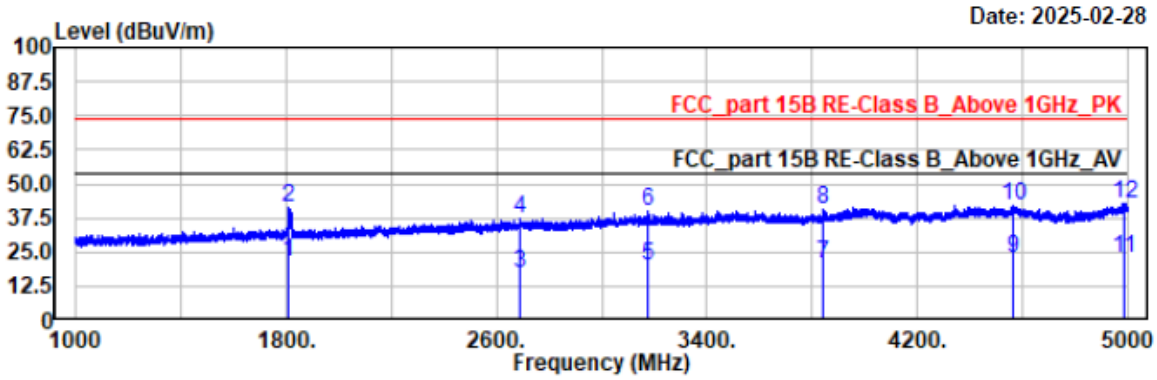


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2286.00	27.74	-11.52	16.22	54.00	37.78	horizontal	Average
2286.00	47.84	-11.52	36.32	74.00	37.68	horizontal	Peak
2915.60	27.48	-9.45	18.03	54.00	35.97	horizontal	Average
2915.60	47.28	-9.45	37.83	74.00	36.17	horizontal	Peak
3384.80	26.92	-7.94	18.98	54.00	35.02	horizontal	Average
3384.80	47.72	-7.94	39.78	74.00	34.22	horizontal	Peak
4067.60	27.51	-6.29	21.22	54.00	32.78	horizontal	Average
4067.60	47.71	-6.29	41.42	74.00	32.58	horizontal	Peak
4536.40	27.12	-5.32	21.80	54.00	32.20	horizontal	Average
4536.40	47.02	-5.32	41.70	74.00	32.30	horizontal	Peak
4989.20	28.65	-5.02	23.63	54.00	30.37	horizontal	Average
4989.20	48.45	-5.02	43.43	74.00	30.57	horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 20.7℃/53%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from adapter (AC 120V/60Hz)

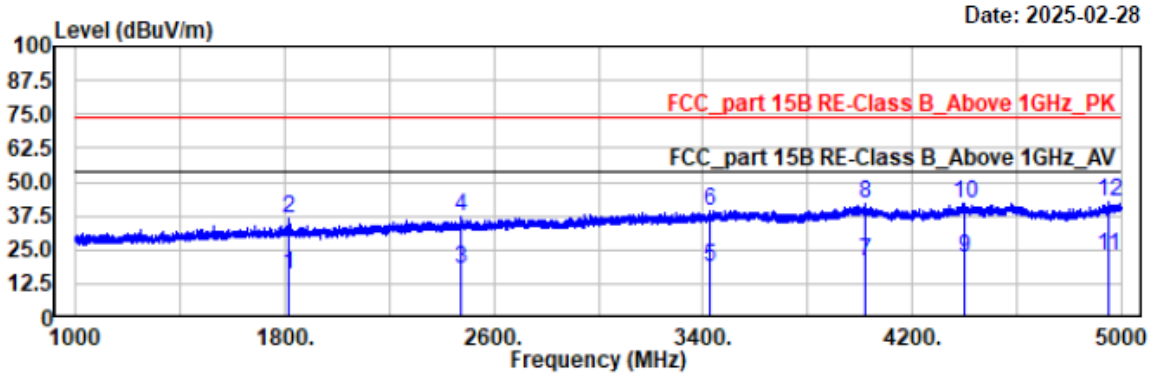


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1810.40	34.35	-13.19	21.16	54.00	32.84	vertical	Average
1810.40	54.51	-13.19	41.32	74.00	32.68	vertical	Peak
2691.60	27.40	-10.03	17.37	54.00	36.63	vertical	Average
2691.60	47.20	-10.03	37.17	74.00	36.83	vertical	Peak
3175.20	28.34	-8.46	19.88	54.00	34.12	vertical	Average
3175.20	48.64	-8.46	40.18	74.00	33.82	vertical	Peak
3844.40	27.61	-6.80	20.81	54.00	33.19	vertical	Average
3844.40	47.31	-6.80	40.51	74.00	33.49	vertical	Peak
4566.80	28.30	-5.30	23.00	54.00	31.00	vertical	Average
4566.80	47.10	-5.30	41.80	74.00	32.20	vertical	Peak
4987.20	27.79	-5.02	22.77	54.00	31.23	vertical	Average
4987.20	47.89	-5.02	42.87	74.00	31.13	vertical	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(173.9875MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 20.7℃/53%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from adapter (AC 120V/60Hz)

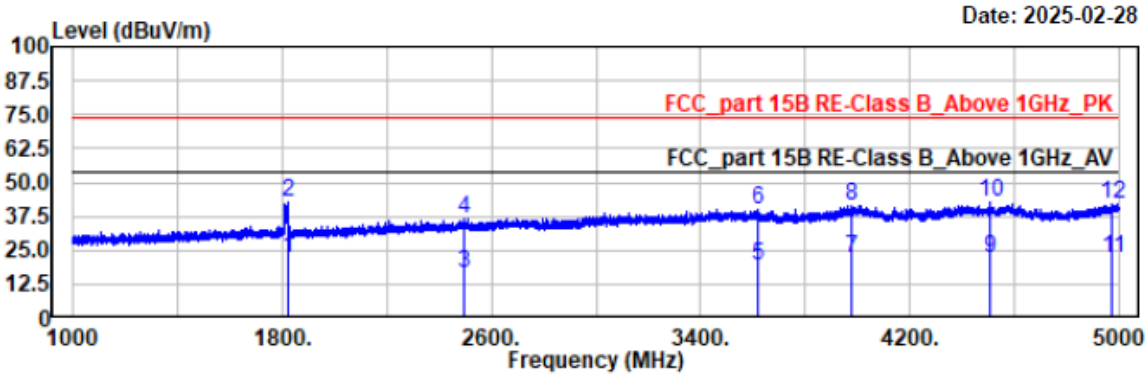


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1817.20	29.32	-13.18	16.14	54.00	37.86	horizontal	Average
1817.20	49.72	-13.18	36.54	74.00	37.46	horizontal	Peak
2472.00	28.55	-10.82	17.73	54.00	36.27	horizontal	Average
2472.00	48.15	-10.82	37.33	74.00	36.67	horizontal	Peak
3428.00	26.56	-7.81	18.75	54.00	35.25	horizontal	Average
3428.00	46.96	-7.81	39.15	74.00	34.85	horizontal	Peak
4018.00	27.48	-6.45	21.03	54.00	32.97	horizontal	Average
4018.00	48.18	-6.45	41.73	74.00	32.27	horizontal	Peak
4400.40	27.94	-5.67	22.27	54.00	31.73	horizontal	Average
4400.40	47.84	-5.67	42.17	74.00	31.83	horizontal	Peak
4949.20	27.79	-5.15	22.64	54.00	31.36	horizontal	Average
4949.20	47.59	-5.15	42.44	74.00	31.56	horizontal	Peak

Project No.: 2507Q04527E-EM
Test Mode: Mode 2(173.9875MHz)
EUT Model: UV-88
Test distance: 3m

Temp/Humi/ATM: 20.7℃/53%/100.1kPa
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
1819.20	35.29	-13.17	22.12	54.00	31.88	vertical	Average
1819.20	55.69	-13.17	42.52	74.00	31.48	vertical	Peak
2497.60	27.60	-10.71	16.89	54.00	37.11	vertical	Average
2497.60	47.50	-10.71	36.79	74.00	37.21	vertical	Peak
3622.80	27.07	-7.57	19.50	54.00	34.50	vertical	Average
3622.80	47.50	-7.57	39.93	74.00	34.07	vertical	Peak
3978.80	28.95	-6.59	22.36	54.00	31.64	vertical	Average
3978.80	48.30	-6.59	41.71	74.00	32.29	vertical	Peak
4510.00	27.67	-5.29	22.38	54.00	31.62	vertical	Average
4510.00	47.76	-5.29	42.47	74.00	31.53	vertical	Peak
4974.80	27.08	-5.07	22.01	54.00	31.99	vertical	Average
4974.80	47.41	-5.07	42.34	74.00	31.66	vertical	Peak

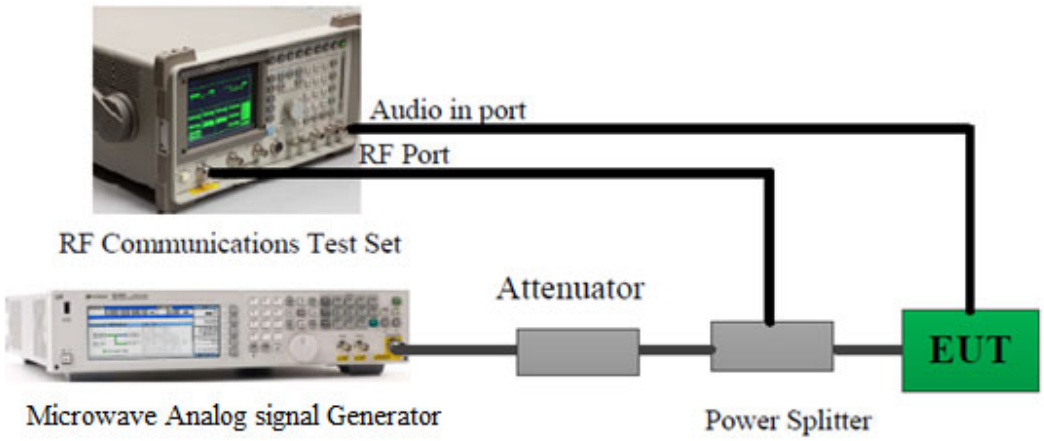
FCC §15.121(b) – SCANNING RECEIVERS AND FREQUENCY CONVERTERS USED WITH SCANNING RECEIVERS

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 it's 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 it's 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

Test Mode:	Scanning	Test Engineer:	Lucas Lin
Test Date:	2025-02-19	Test Result:	Pass

Environment Conditions:					
Temperature: (°C)	20.9	Relative Humidity: (%)	51	ATM Pressure: (kPa)	100.1

Scanning Frequency Range (MHz)	Test Frequency (MHz)	Measurement Result (Worst Case) (dB)	Limit (dB)
136-174	824, 836, 849, 869, 881.5, 895	49	>38
350-390	824, 836, 849, 869, 881.5, 895	46	>38
400-480	824, 836, 849, 869, 881.5, 895	48	>38

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2507Q04527E-EM-EXP EUT EXTERNAL PHOTOGRAPHS and 2507Q04527E-EM-INP EUT INTERNAL PHOTOGRAPHS

EXHIBIT B – TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2507Q04527E-EM-TSP TEST SETUP PHOTOGRAPHS.

Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk "★".

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

3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.

4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k=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*******