



FCC PART 15B

TEST REPORT

For

Quanzhou Binte Electronic Technology Co., Ltd.

No. 1 Industrial Road, Chengbei Industrial Zone, Luocheng Town, Hui'an County, Quanzhou City, Fujian Province, China

FCC ID: 2BN9A-BT9000

Report Type: Original Report	Product Name: FM Mobile Radio
Report Number:	<u>2507Y11322E-EM-01</u>
Report Date:	<u>2025-11-28</u>
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TABLE OF CONTENTS

REPORT REVISION HISTORY	3
GENERAL INFORMATION.....	4
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	4
OBJECTIVE	4
TEST FACILITY	4
MEASUREMENT UNCERTAINTY	5
SYSTEM TEST CONFIGURATION	6
TEST MODE AND VOLTAGE	6
DESCRIPTION OF TEST CONFIGURATION	6
EUT EXERCISE SOFTWARE	6
SPECIAL ACCESSORIES.....	6
EQUIPMENT MODIFICATIONS	6
SUPPORT EQUIPMENT LIST AND DETAILS	6
EXTERNAL I/O CABLE.....	6
BLOCK DIAGRAM OF TEST SETUP	7
SUMMARY OF TEST RESULTS	11
TEST EQUIPMENT LIST	12
FCC §15.107 - CONDUCTED EMISSION	13
APPLICABLE STANDARD	13
TEST SYSTEM SETUP.....	13
EMI TEST RECEIVER SETUP.....	14
TEST PROCEDURE	14
RESULT & MARGIN CALCULATION	14
TEST DATA (WORST CASE)	15
FCC §15.109 - RADIATED EMISSION IN FREQUENCY	23
APPLICABLE STANDARD	23
TEST SYSTEM SETUP.....	23
EMI TEST RECEIVER SETUP.....	24
TEST PROCEDURE	24
RESULT & MARGIN CALCULATION	24
TEST DATA	25
FCC §15.121(B) – SCANNING RECEIVERS AND FREQUENCY CONVERTERS USED WITH SCANNING RECEIVERS.....	65
APPLICABLE STANDARD	65
TEST PROCEDURE	65
TEST DATA	66
EXHIBIT A - EUT PHOTOGRAPHS.....	67
EXHIBIT B – TEST SETUP PHOTOGRAPHS.....	68

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2507Y11322E-EM-01	R1V1	2025-11-28	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:		Quanzhou Binte Electronic Technology Co., Ltd.		
Product Name:		FM Mobile Radio		
Tested Model:		BT9000		
Multiple Model(s):		RT-950, RT-950PRO, BJ9000, BJ9000 PRO, UV98PLUS, RT-950PRO MAX, BT9000PRO, BT9100, HI-UV850pro, AR-980, AR-980 PRO		
Trade mark:		BINTERADIO, BINTOLK, BAJETON, radtel, SHJ, HIROYASU, ABBREE		
Power Supply:		DC 7.4V from battery or DC 5V from adapter or DC 8.7V from charger		
Adapter information:	Model:	GAUSC00500100WA		
	Input:	AC 100-240V, 50/60Hz, 0.3A		
	Output:	DC 5V, 1.0A, 5.0W		
Charger information:	Input:	DC 5V, 1.0A		
	Output:	DC 8.7V, 0.5A		
★Highest Operating Frequency:		520 MHz		
EUT Receive Status:		Good		
<i>Note:</i>				
<i>1. The highest operating frequency is provided by the applicant.</i>				
<i>2. The difference between test model and series models as below:</i>				
Tested Model(s)		Series Models	Differences Items	Details
BT9000		RT-950, RT-950PRO, BJ9000, BJ9000 PRO, UV98PLUS, RT-950PRO MAX , HI-UV850pro, AR-980, AR-980 PRO	model name, trade name and color	All are the same except model name, trade name and color.
BT9000		BT9000PRO	model name and color	All are the same except model name and color.
BT9000		BT9100	model name, color and button icon	All are the same except model name and button icon.
<i>Model BT9000 comes in black and green, while other series models are only available in black.</i>				
<i>Based on the description above, the differences do not affect the test results. Therefore, model BT9000 has been selected for full testing.</i>				
<i>3. All measurement and test data in this report was gathered from production sample serial number: 3B3Y-I (Assigned by the BACL (Xiamen). The EUT was received on 2025-10-10).</i>				

Objective

This report is prepared for *Quanzhou Binte Electronic Technology 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	2.45dB
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 & Scanning Test Mode 3: Charging & Receiving Test Mode 4: Charging & Receiving
Test voltage:	Test Mode 1&3: DC 5V from adapter (AC 120V/60Hz) Test Mode 2&4: DC 8.7V from charger (AC 120V/60Hz)

Description of Test Configuration

Operation Modes	Operation Frequency Range (MHz)	Test Frequency (MHz)
Scanning	136-174 400-520	136-174 400-520
VHF Receiving	136-174	136.0125, 155, 173.9875
UHF Receiving	400-520	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

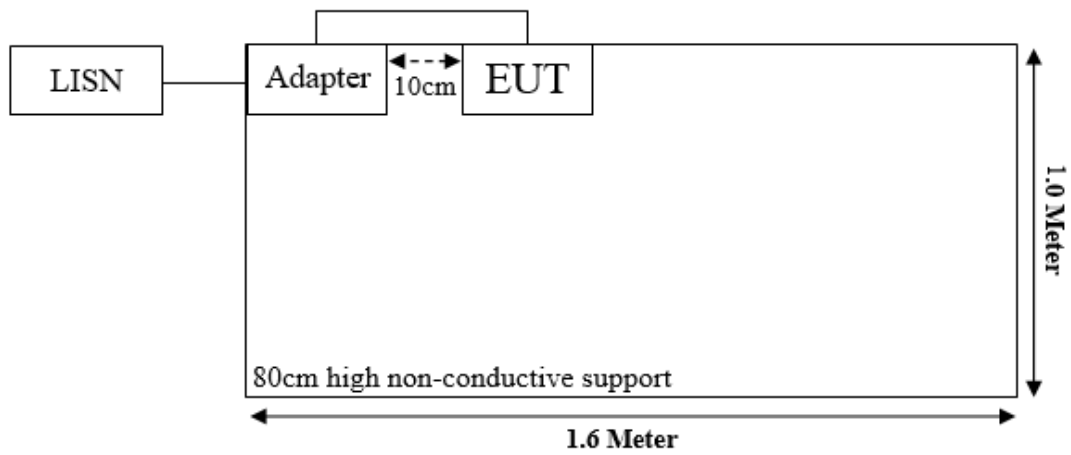
External I/O Cable

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

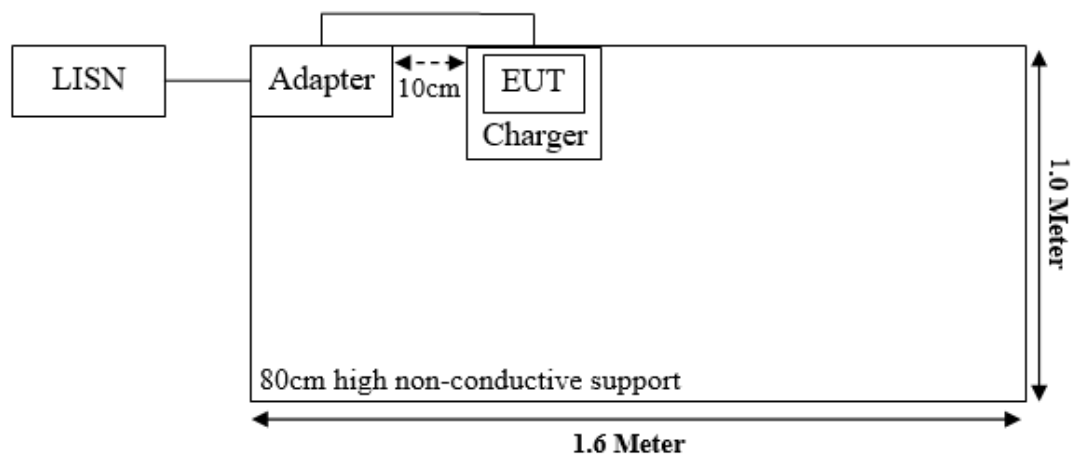
Block Diagram of Test Setup

Conducted Emission:

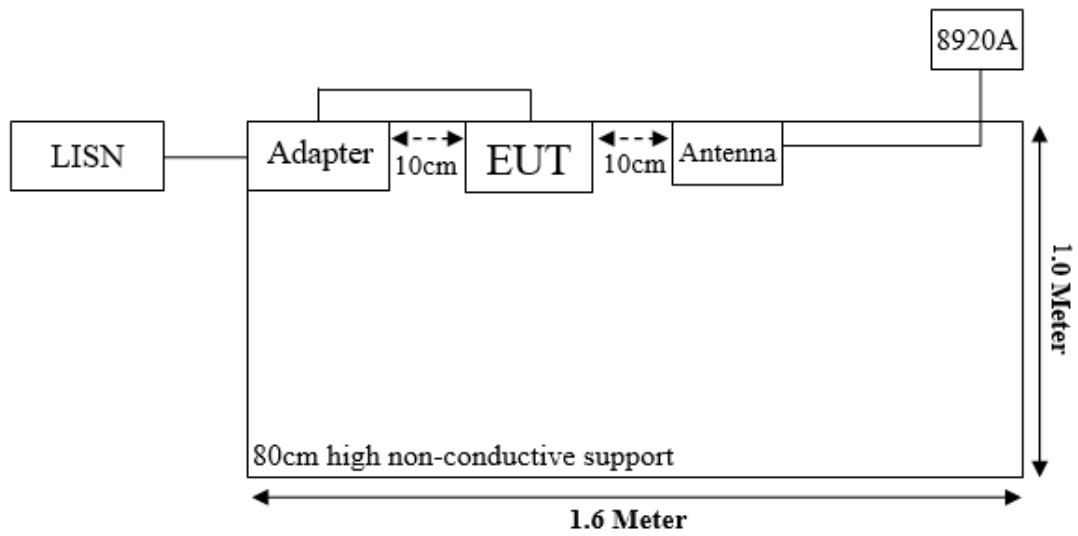
Test Mode 1:



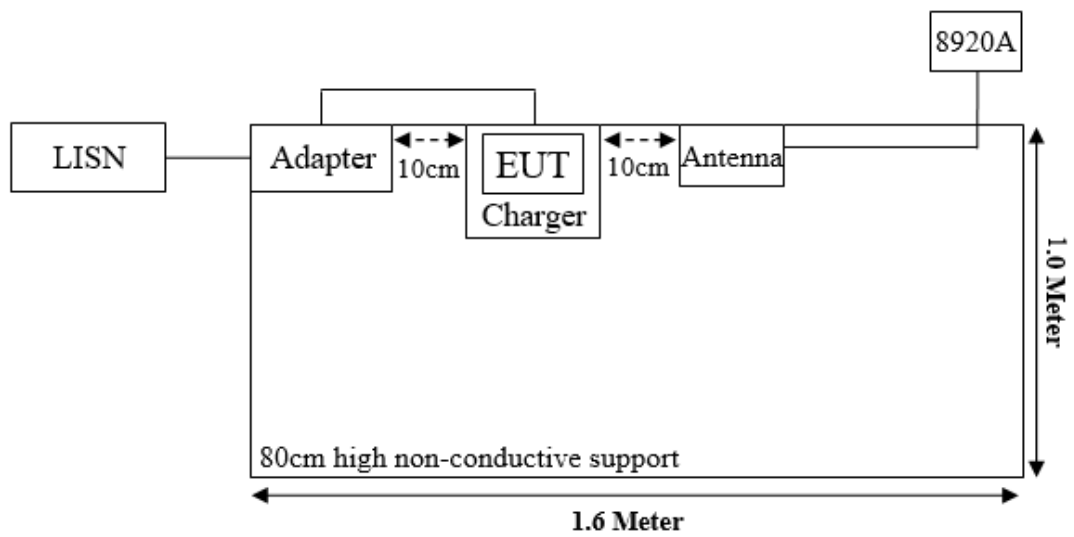
Test Mode 2:



Test Mode 3:

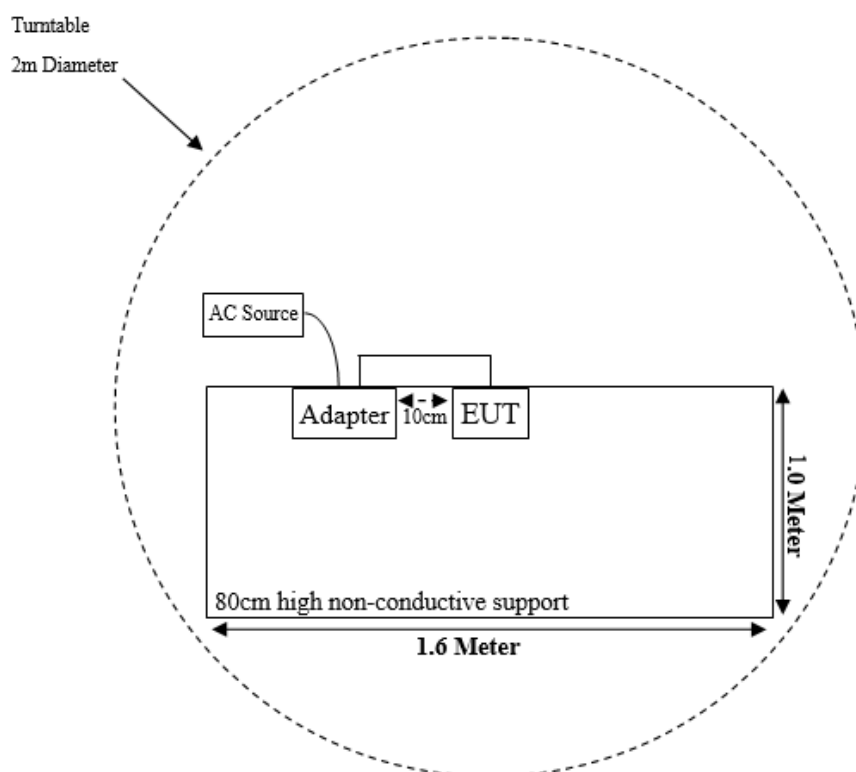


Test Mode 4:

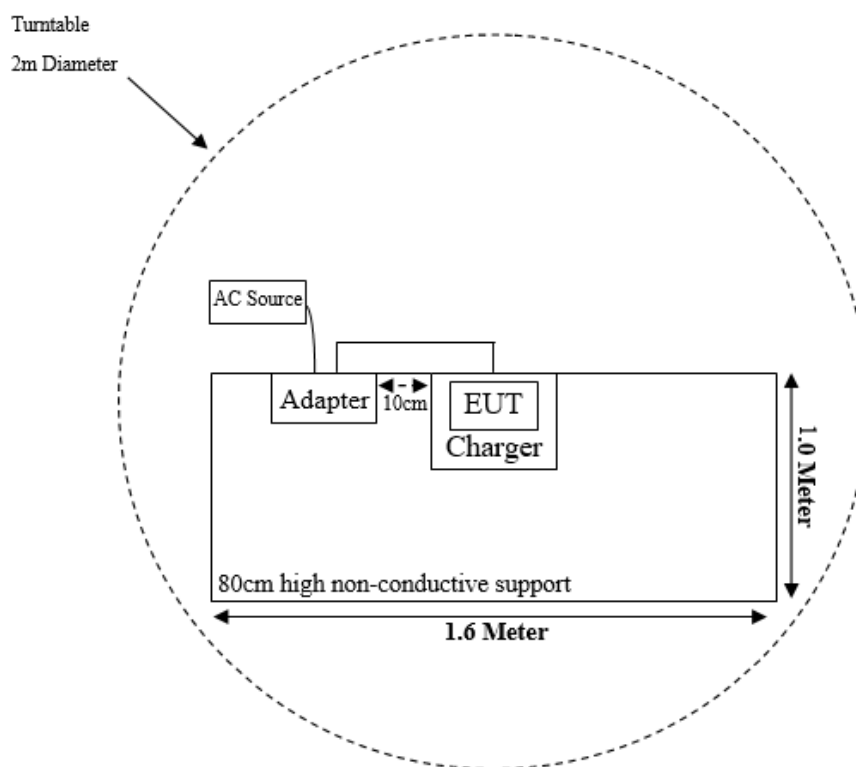


Radiated Emission:

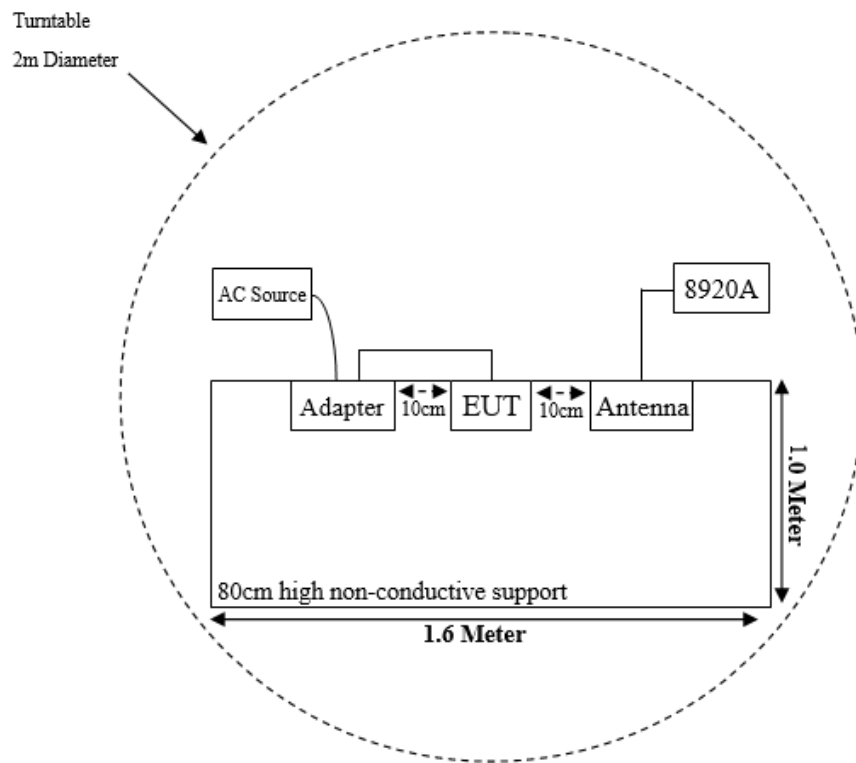
Test Mode 1:



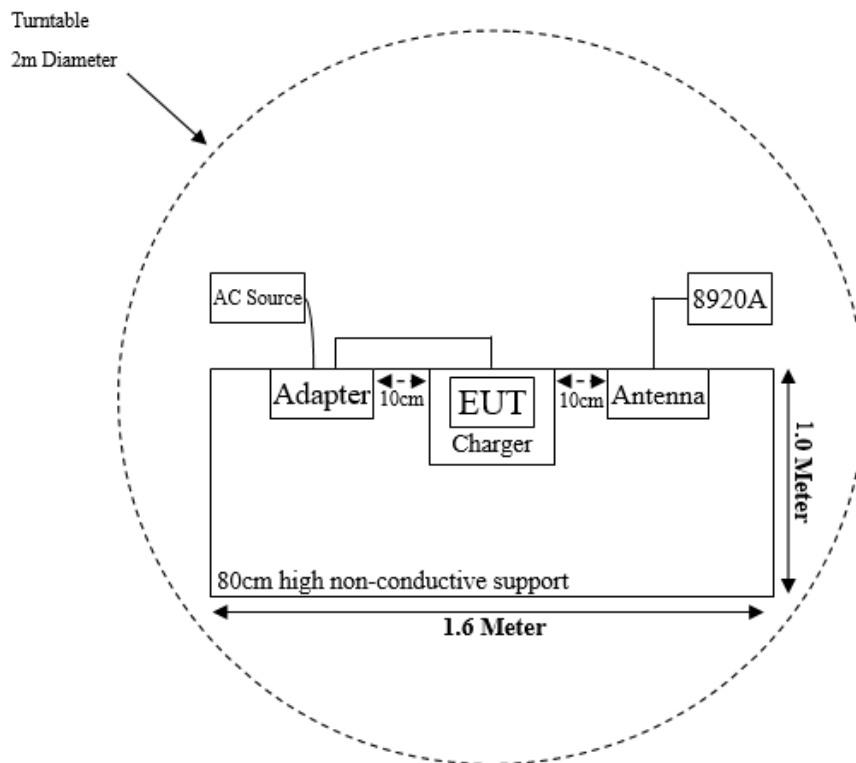
Test Mode 2:



Test Mode 3:



Test Mode 4:



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	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
Radiated Emission 30 MHz to 1 GHz					
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
Radiated Emission Above 1 GHz					
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
Scanning Receiver					
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

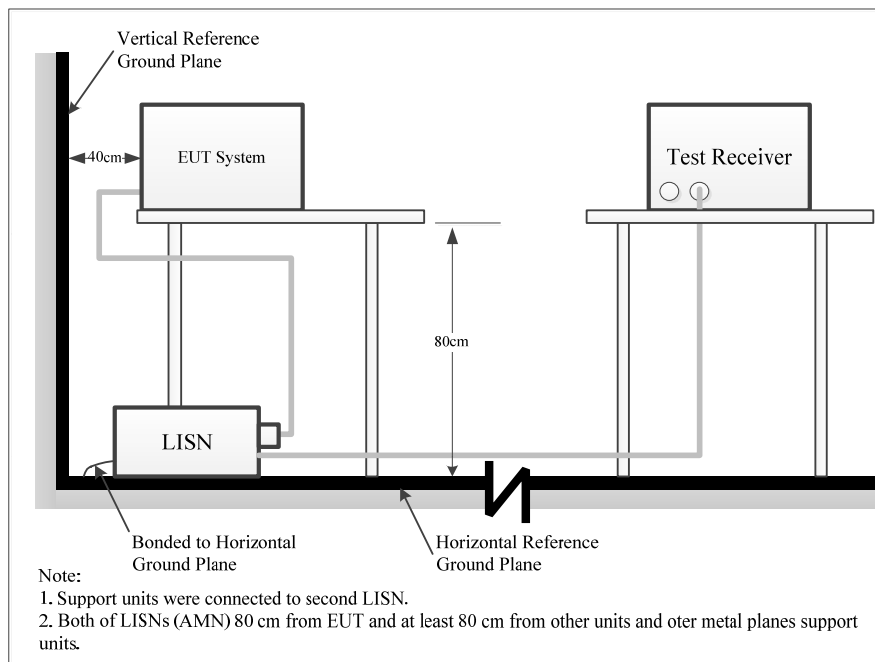
FCC §15.107

(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 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges.

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

*Decreases with the logarithm of the frequency.

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:

$$\text{Factor (dB)} = \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)}$$

$$\text{Result (dB}\mu\text{V)} = \text{Reading (dB}\mu\text{V)} + \text{Factor (dB)}$$

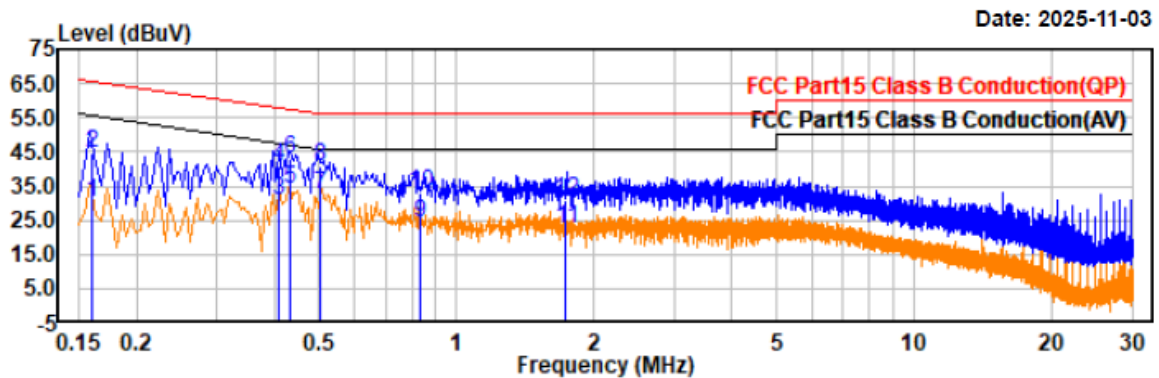
The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

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

Test Data (Worst case)

Project No.: 2507Y11322E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: BT9000

Temp/Humi/ATM: 23.5°C/42%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from adapter
(AC 120V/60Hz)



Trace: 1

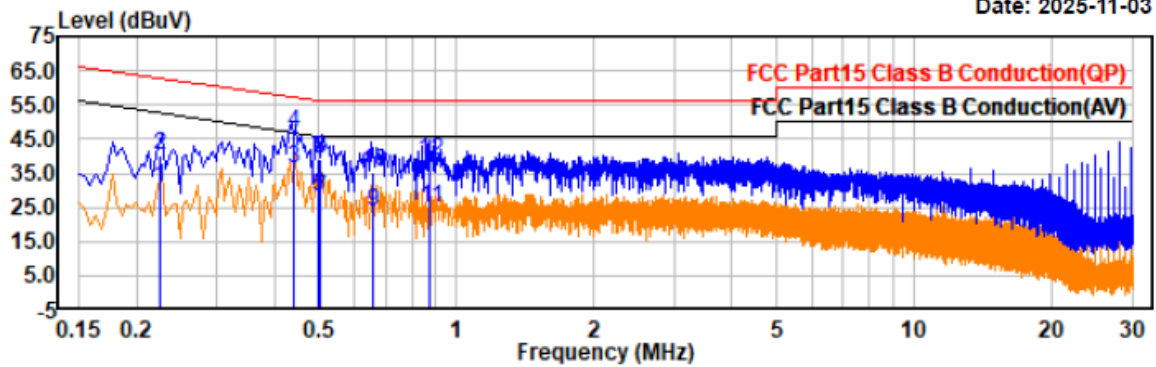
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.160	10.29	20.04	30.33	55.45	25.12	Line	Average
0.160	24.52	20.04	44.56	65.45	20.89	Line	QP
0.410	9.98	20.87	30.85	47.65	16.80	Line	Average
0.410	19.93	20.87	40.80	57.65	16.85	Line	QP
0.435	13.21	20.91	34.12	47.16	13.04	Line	Average
0.435	22.23	20.91	43.14	57.16	14.02	Line	QP
0.506	11.52	20.91	32.43	46.00	13.57	Line	Average
0.506	19.77	20.91	40.68	56.00	15.32	Line	QP
0.833	4.98	19.21	24.19	46.00	21.81	Line	Average
0.833	13.98	19.21	33.19	56.00	22.81	Line	QP
1.737	2.07	20.29	22.36	46.00	23.64	Line	Average
1.737	10.47	20.29	30.76	56.00	25.24	Line	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: BT9000

Temp/Humi/ATM: 23.5°C/42%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from adapter
(AC 120V/60Hz)

Date: 2025-11-03



Trace: 1

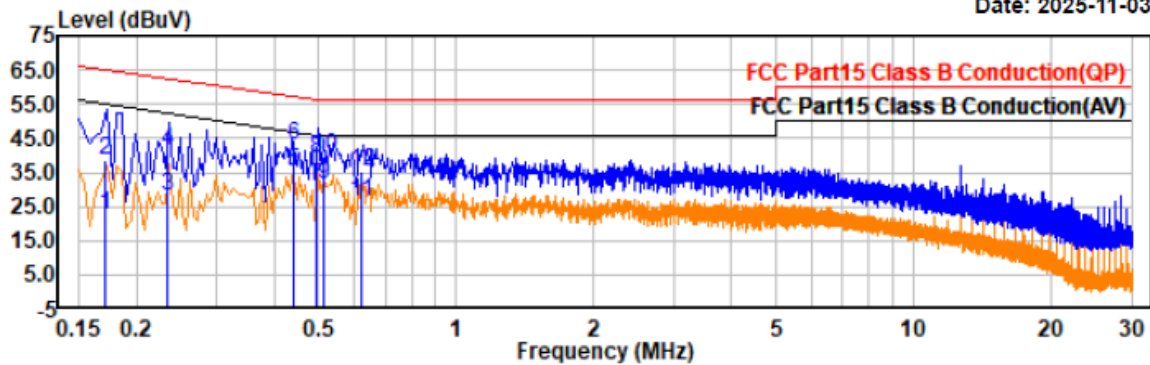
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.224	10.12	20.66	30.78	52.66	21.88	Neutral	Average
0.224	19.80	20.66	40.46	62.66	22.20	Neutral	QP
0.442	16.02	20.43	36.45	47.03	10.58	Neutral	Average
0.442	26.44	20.43	46.87	57.03	10.16	Neutral	QP
0.501	7.57	20.39	27.96	46.00	18.04	Neutral	Average
0.501	18.81	20.39	39.20	56.00	16.80	Neutral	QP
0.505	7.17	20.39	27.56	46.00	18.44	Neutral	Average
0.505	18.51	20.39	38.90	56.00	17.10	Neutral	QP
0.658	3.40	20.44	23.84	46.00	22.16	Neutral	Average
0.658	14.84	20.44	35.28	56.00	20.72	Neutral	QP
0.876	4.36	20.47	24.83	46.00	21.17	Neutral	Average
0.876	17.94	20.47	38.41	56.00	17.59	Neutral	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 2(136-174MHz)
EUT Model: BT9000

Temp/Humi/ATM: 23.5°C/42%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

Date: 2025-11-03



Trace: 1

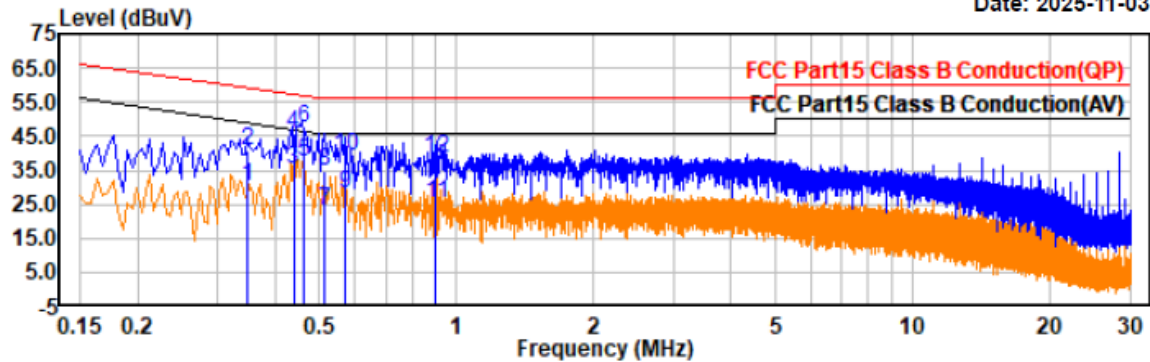
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.172	1.73	20.62	22.35	54.88	32.53	Line	Average
0.172	17.78	20.62	38.40	64.88	26.48	Line	QP
0.233	7.33	20.62	27.95	52.33	24.38	Line	Average
0.233	20.47	20.62	41.09	62.33	21.24	Line	QP
0.442	14.62	20.47	35.09	47.03	11.94	Line	Average
0.442	22.39	20.47	42.86	57.03	14.17	Line	QP
0.496	10.58	20.44	31.02	46.07	15.05	Line	Average
0.496	18.94	20.44	39.38	56.07	16.69	Line	QP
0.512	10.99	20.44	31.43	46.00	14.57	Line	Average
0.512	19.06	20.44	39.50	56.00	16.50	Line	QP
0.621	6.00	20.48	26.48	46.00	19.52	Line	Average
0.621	14.54	20.48	35.02	56.00	20.98	Line	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 2(136-174MHz)
EUT Model: BT9000

Temp/Humi/ATM: 23.5°C/42%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

Date: 2025-11-03



Trace: 1

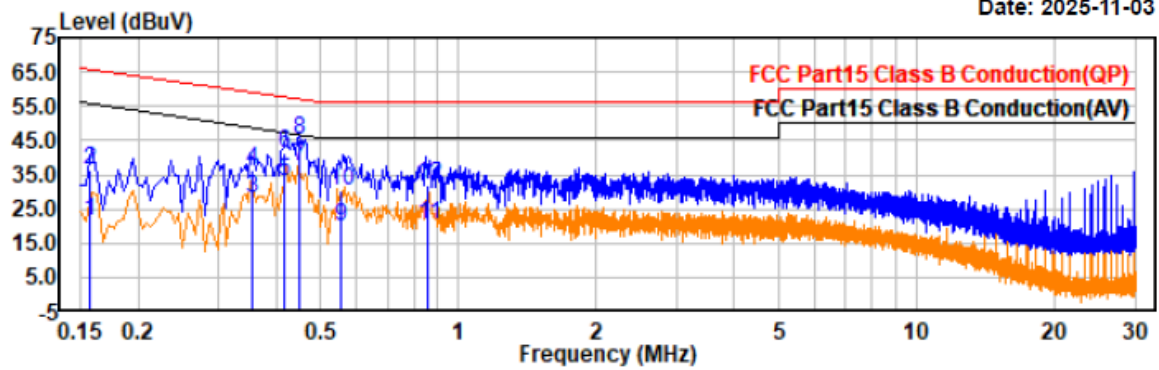
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.347	9.79	20.53	30.32	49.03	18.71	Neutral	Average
0.347	20.23	20.53	40.76	59.03	18.27	Neutral	QP
0.440	14.72	20.43	35.15	47.07	11.92	Neutral	Average
0.440	25.27	20.43	45.70	57.07	11.37	Neutral	QP
0.462	16.80	20.42	37.22	46.65	9.43	Neutral	Average
0.462	27.21	20.42	47.63	56.65	9.02	Neutral	QP
0.514	2.64	20.40	23.04	46.00	22.96	Neutral	Average
0.514	14.35	20.40	34.75	56.00	21.25	Neutral	QP
0.569	7.84	20.42	28.26	46.00	17.74	Neutral	Average
0.569	18.73	20.42	39.15	56.00	16.85	Neutral	QP
0.903	4.70	20.47	25.17	46.00	20.83	Neutral	Average
0.903	18.04	20.47	38.51	56.00	17.49	Neutral	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(460MHz)
EUT Model: BT9000

Temp/Humi/ATM: 23.5°C/42%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 5V from adapter
(AC 120V/60Hz)

Date: 2025-11-03



Trace: 1

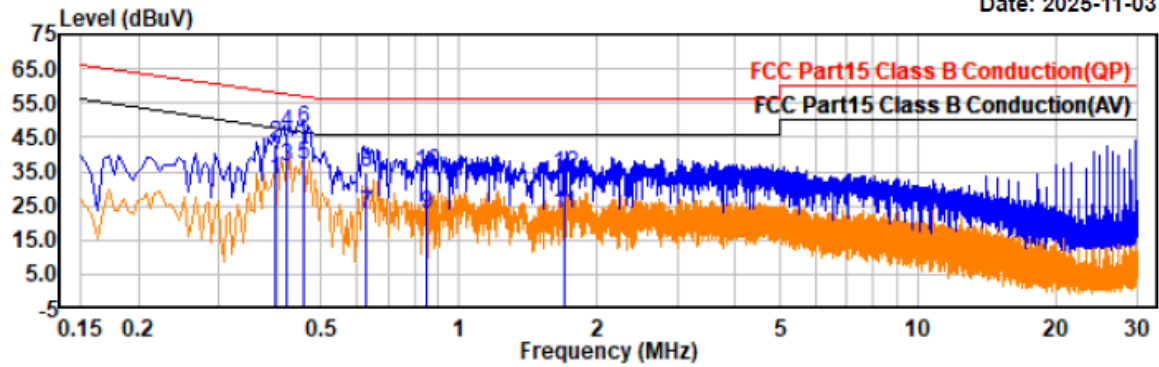
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.158	0.88	20.59	21.47	55.59	34.12	Line	Average
0.158	15.60	20.59	36.19	65.59	29.40	Line	QP
0.356	7.52	20.53	28.05	48.83	20.78	Line	Average
0.356	16.00	20.53	36.53	58.83	22.30	Line	QP
0.416	12.58	20.49	33.07	47.52	14.45	Line	Average
0.416	20.69	20.49	41.18	57.52	16.34	Line	QP
0.451	16.86	20.47	37.33	46.86	9.53	Line	Average
0.451	24.53	20.47	45.00	56.86	11.86	Line	QP
0.555	-0.44	20.46	20.02	46.00	25.98	Line	Average
0.555	9.60	20.46	30.06	56.00	25.94	Line	QP
0.860	0.10	20.51	20.61	46.00	25.39	Line	Average
0.860	11.30	20.51	31.81	56.00	24.19	Line	QP

Project No.: 2507Y11322E-EM
 Test Mode: Mode 3(460MHz)
 EUT Model: BT9000

Temp/Humi/ATM: 23.5°C/42%/100.1kPa
 Tested by: Apollo Luo
 Power Source: DC 5V from adapter
 (AC 120V/60Hz)

Date: 2025-11-03



Trace: 1

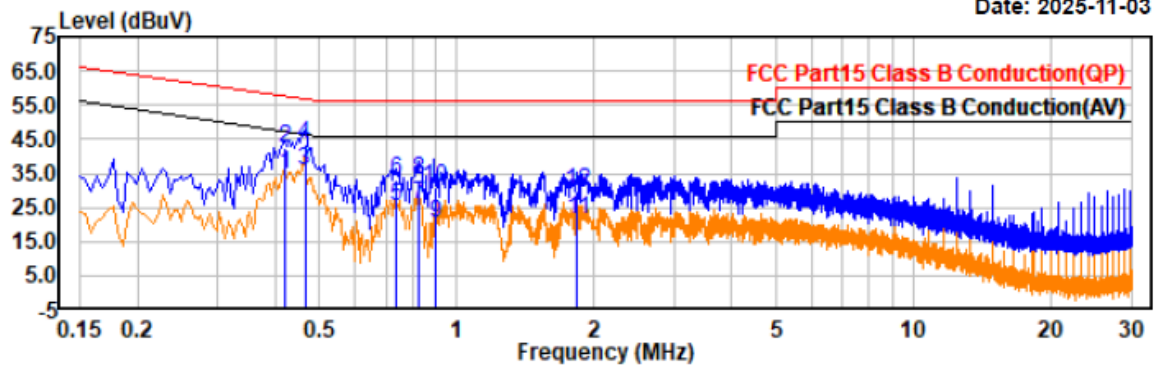
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.398	12.14	20.47	32.61	47.90	15.29	Neutral	Average
0.398	22.33	20.47	42.80	57.90	15.10	Neutral	QP
0.419	15.77	20.46	36.23	47.46	11.23	Neutral	Average
0.419	25.88	20.46	46.34	57.46	11.12	Neutral	QP
0.459	16.67	20.42	37.09	46.72	9.63	Neutral	Average
0.459	27.20	20.42	47.62	56.72	9.10	Neutral	QP
0.625	1.97	20.44	22.41	46.00	23.59	Neutral	Average
0.625	14.34	20.44	34.78	56.00	21.22	Neutral	QP
0.849	2.25	20.47	22.72	46.00	23.28	Neutral	Average
0.849	14.43	20.47	34.90	56.00	21.10	Neutral	QP
1.698	2.23	20.39	22.62	46.00	23.38	Neutral	Average
1.698	13.70	20.39	34.09	56.00	21.91	Neutral	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(400.0125MHz)
EUT Model: BT9000

Temp/Humi/ATM: 23.5°C/42%/100.1kPa
Tested by: Apollo Luo
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

Date: 2025-11-03



Trace: 1

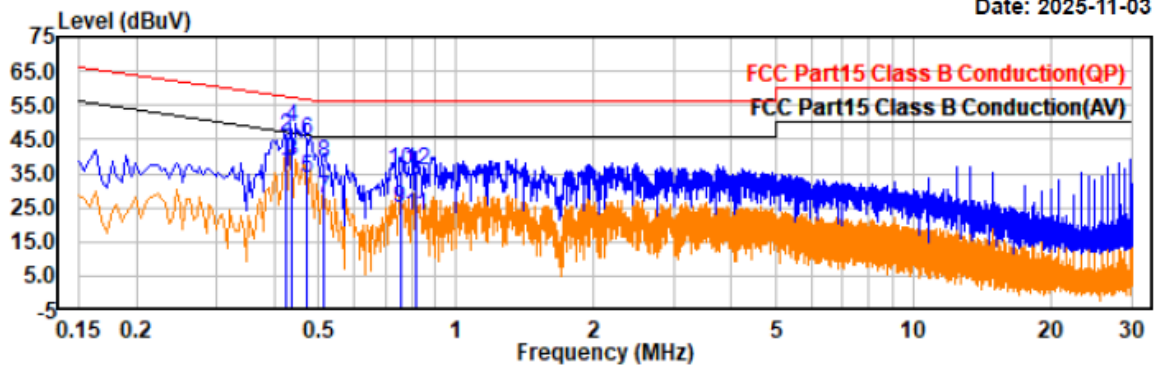
Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.421	14.49	20.49	34.98	47.43	12.45	Line	Average
0.421	21.87	20.49	42.36	57.43	15.07	Line	QP
0.465	15.40	20.46	35.86	46.60	10.74	Line	Average
0.465	23.27	20.46	43.73	56.60	12.87	Line	QP
0.737	4.62	20.49	25.11	46.00	20.89	Line	Average
0.737	12.36	20.49	32.85	56.00	23.15	Line	QP
0.828	5.39	20.50	25.89	46.00	20.11	Line	Average
0.828	12.79	20.50	33.29	56.00	22.71	Line	QP
0.896	-0.09	20.50	20.41	46.00	25.59	Line	Average
0.896	10.36	20.50	30.86	56.00	25.14	Line	QP
1.837	0.84	20.38	21.22	46.00	24.78	Line	Average
1.837	9.18	20.38	29.56	56.00	26.44	Line	QP

Project No.: 2507Y11322E-EM
 Test Mode: Mode 4(400.0125MHz)
 EUT Model: BT9000

Temp/Humi/ATM: 23.5°C/42%/100.1kPa
 Tested by: Apollo Luo
 Power Source: DC 8.7V from charger
 (AC 120V/60Hz)

Date: 2025-11-03



Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.424	14.77	20.45	35.22	47.37	12.15	Neutral	Average
0.424	25.09	20.45	45.54	57.37	11.83	Neutral	QP
0.438	18.01	20.43	38.44	47.10	8.66	Neutral	Average
0.438	28.02	20.43	48.45	57.10	8.65	Neutral	QP
0.472	13.19	20.42	33.61	46.49	12.88	Neutral	Average
0.472	24.35	20.42	44.77	56.49	11.72	Neutral	QP
0.515	7.00	20.40	27.40	46.00	18.60	Neutral	Average
0.515	17.83	20.40	38.23	56.00	17.77	Neutral	QP
0.755	4.18	20.46	24.64	46.00	21.36	Neutral	Average
0.755	15.57	20.46	36.03	56.00	19.97	Neutral	QP
0.815	2.27	20.47	22.74	46.00	23.26	Neutral	Average
0.815	15.21	20.47	35.68	56.00	20.32	Neutral	QP

FCC §15.109 - RADIATED EMISSION IN FREQUENCY

Applicable Standard

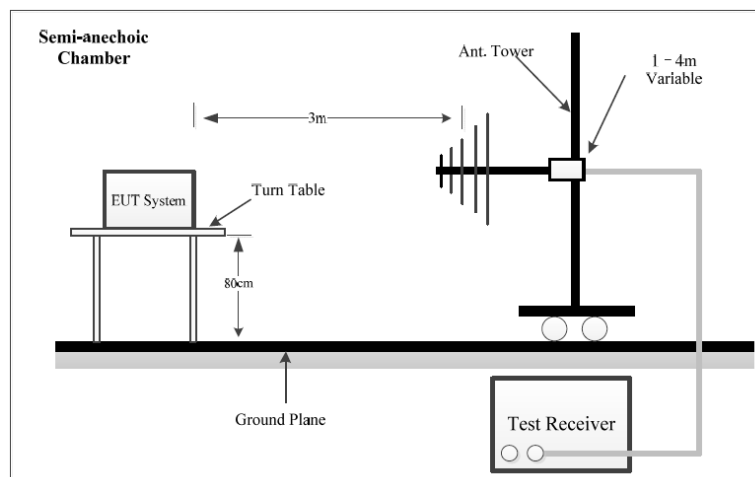
FCC§15.109

(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:

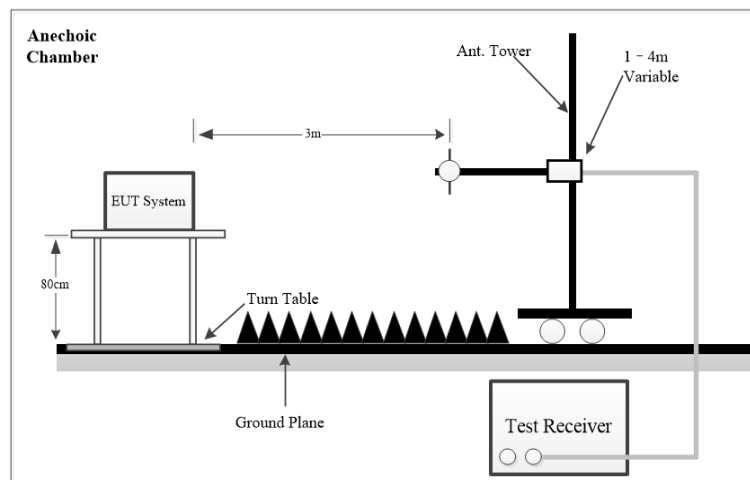
Frequency of emission (MHz)	Field strength (microvolts/meter)
30–88	100
88–216	150
216–960	200
Above 960	500

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)

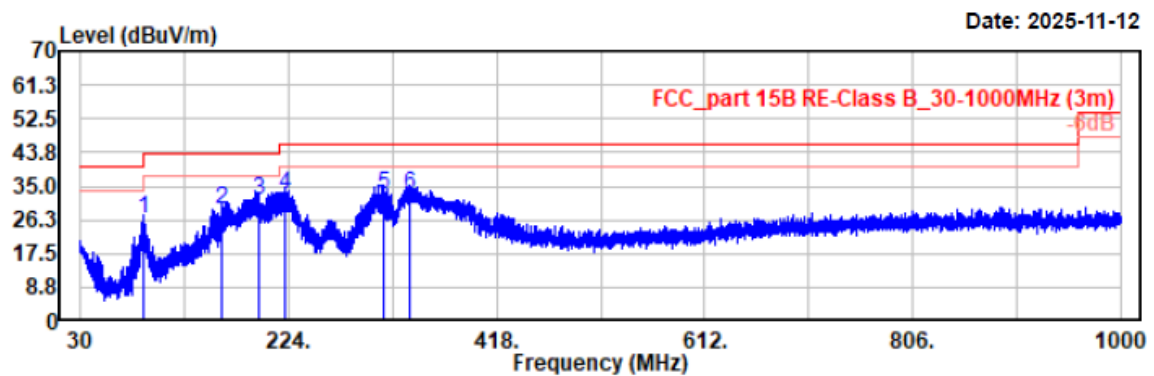
Test Data

Please refer to below plots:

1) 30MHz-1GHz:

Project No.: 2507Y11322E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

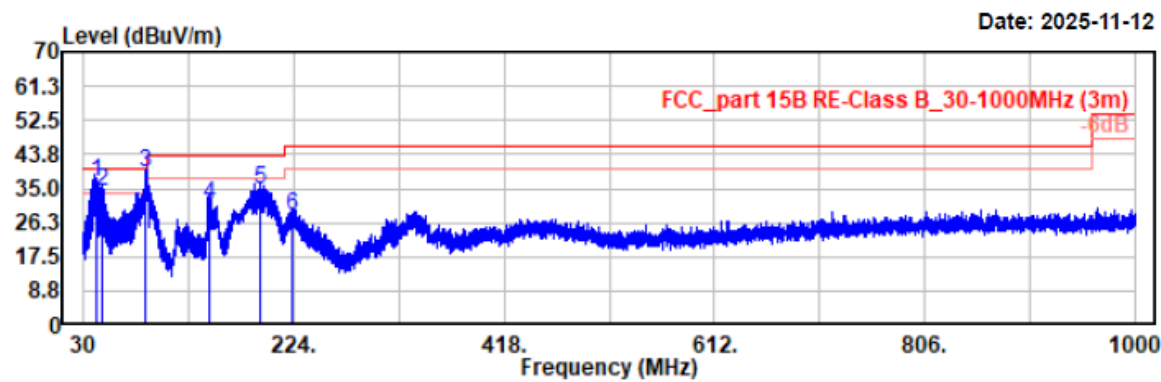


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
88.30	43.88	-17.19	26.69	43.50	16.81	Horizontal	QP
161.14	40.37	-11.53	28.84	43.50	14.66	Horizontal	QP
195.97	43.31	-11.95	31.36	43.50	12.14	Horizontal	QP
221.28	45.21	-12.61	32.60	46.00	13.40	Horizontal	QP
313.53	41.97	-8.93	33.04	46.00	12.96	Horizontal	QP
336.81	41.42	-8.38	33.04	46.00	12.96	Horizontal	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

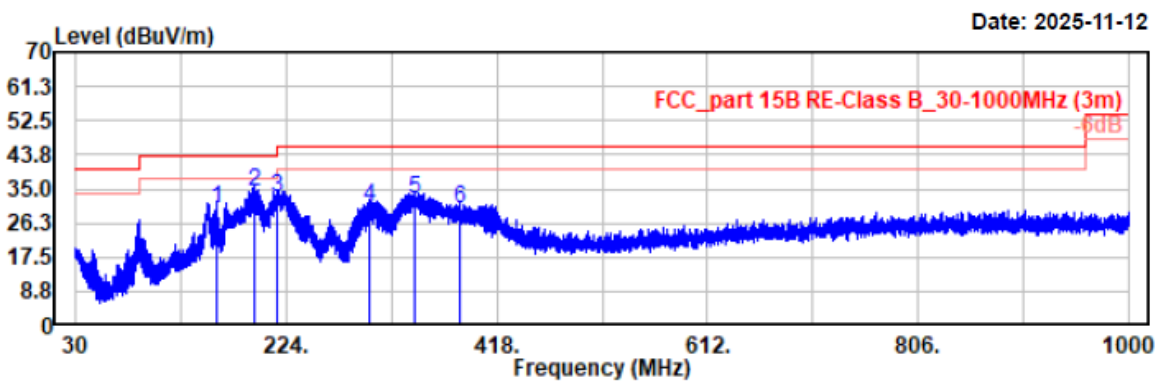


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
41.46	49.40	-12.69	36.71	40.00	3.29	Vertical	QP
46.78	50.49	-16.23	34.26	40.00	5.74	Vertical	QP
87.62	56.32	-17.23	39.09	40.00	0.91	Vertical	QP
146.40	42.13	-11.04	31.09	43.50	12.41	Vertical	QP
192.48	46.99	-12.17	34.82	43.50	8.68	Vertical	QP
223.22	40.42	-12.56	27.86	46.00	18.14	Vertical	QP

Project No.: 2507Y11322E-EM
 Test Mode: Mode 1(400-520MHz)
 EUT Model: BT9000
 Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
 Tested by: Zane Zhang
 Power Source: DC 5V from adapter
 (AC 120V/60Hz)

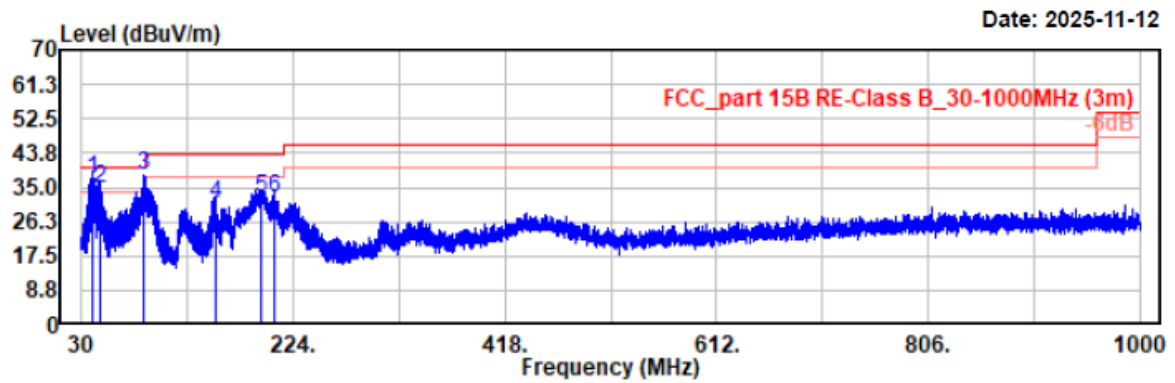


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
159.79	41.15	-11.45	29.70	43.50	13.80	Horizontal	QP
195.29	46.03	-11.96	34.07	43.50	9.43	Horizontal	QP
216.05	45.52	-12.68	32.84	46.00	13.16	Horizontal	QP
300.92	39.74	-9.17	30.57	46.00	15.43	Horizontal	QP
341.86	40.50	-8.31	32.19	46.00	13.81	Horizontal	QP
383.95	36.71	-6.94	29.77	46.00	16.23	Horizontal	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 1(400-520MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

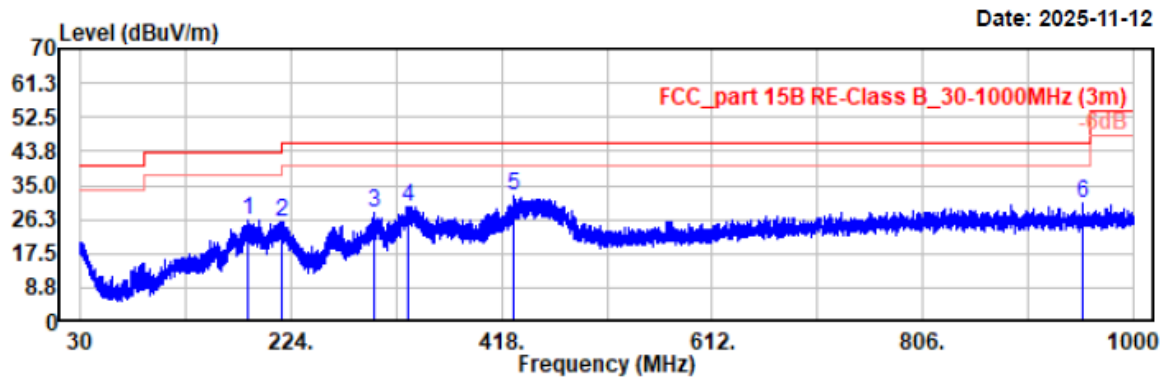


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
39.44	48.53	-11.24	37.29	40.00	2.71	Vertical	QP
46.87	51.20	-16.28	34.92	40.00	5.08	Vertical	QP
87.65	55.26	-17.22	38.04	40.00	1.96	Vertical	QP
152.41	41.95	-11.26	30.69	43.50	12.81	Vertical	QP
195.39	44.47	-11.96	32.51	43.50	10.99	Vertical	QP
206.64	44.47	-12.25	32.22	43.50	11.28	Vertical	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 2(136-174MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

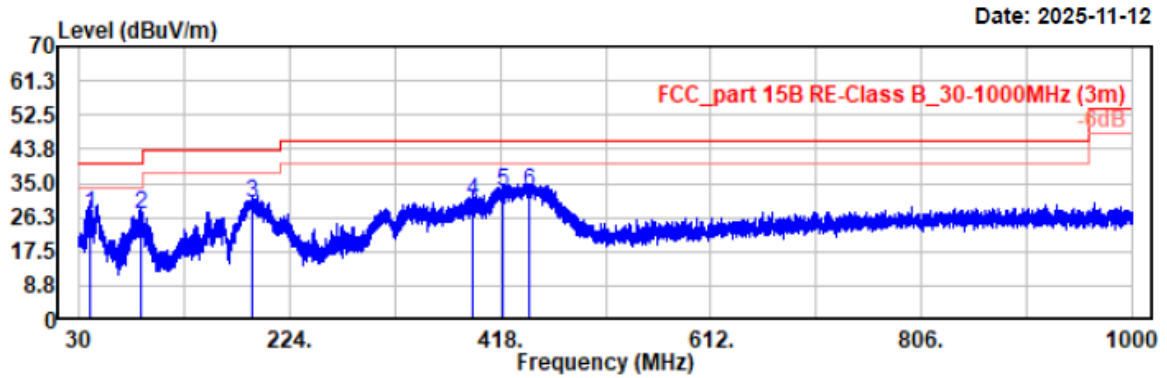


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
184.91	38.51	-12.47	26.04	43.50	17.46	Horizontal	Peak
215.08	38.46	-12.69	25.77	43.50	17.73	Horizontal	Peak
300.82	37.26	-9.17	28.09	46.00	17.91	Horizontal	Peak
331.48	38.10	-8.55	29.55	46.00	16.45	Horizontal	Peak
429.45	37.75	-5.40	32.35	46.00	13.65	Horizontal	Peak
953.15	27.02	3.21	30.23	46.00	15.77	Horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 2(136-174MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

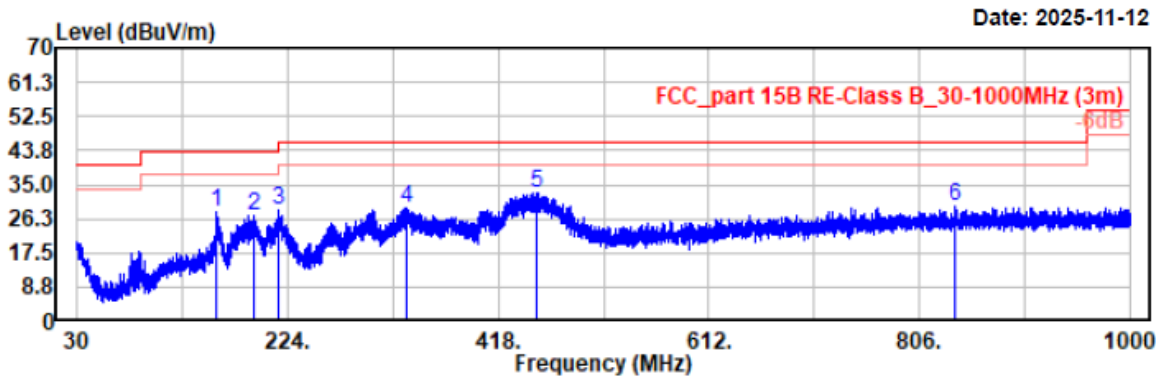


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
39.51	38.53	-11.30	27.23	40.00	12.77	Vertical	QP
87.04	44.18	-17.30	26.88	40.00	13.12	Vertical	QP
189.57	42.12	-12.33	29.79	43.50	13.71	Vertical	QP
392.88	37.27	-6.63	30.64	46.00	15.36	Vertical	QP
420.91	38.61	-5.61	33.00	46.00	13.00	Vertical	QP
444.29	37.85	-4.95	32.90	46.00	13.10	Vertical	QP

Project No.: 2507Y11322E-EM
 Test Mode: Mode 2(400-520MHz)
 EUT Model: BT9000
 Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
 Tested by: Zane Zhang
 Power Source: DC 8.7V from charger
 (AC 120V/60Hz)

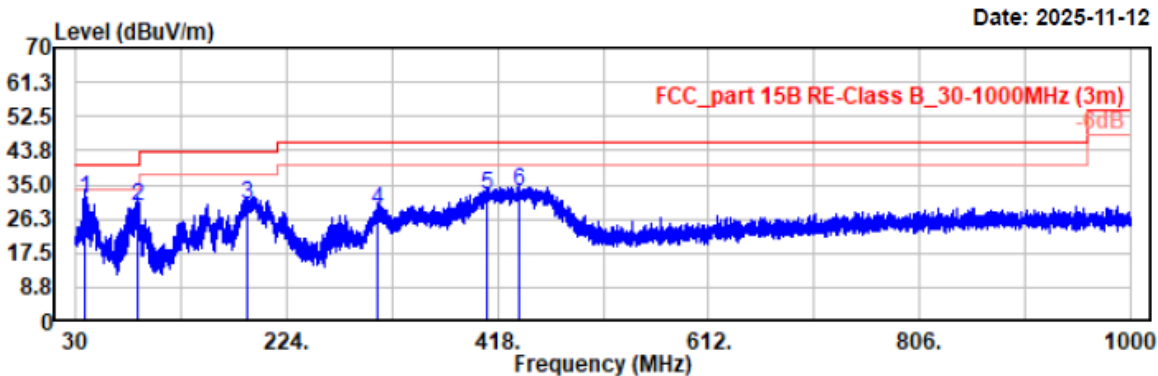


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
158.91	39.40	-11.46	27.94	43.50	15.56	Horizontal	Peak
193.06	39.25	-12.16	27.09	43.50	16.41	Horizontal	Peak
215.56	41.07	-12.69	28.38	43.50	15.12	Horizontal	Peak
333.13	37.58	-8.47	29.11	46.00	16.89	Horizontal	Peak
452.63	37.51	-4.80	32.71	46.00	13.29	Horizontal	Peak
839.66	27.64	1.80	29.44	46.00	16.56	Horizontal	Peak

Project No.: 2507Y11322E-EM
 Test Mode: Mode 2(400-520MHz)
 EUT Model: BT9000
 Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
 Tested by: Zane Zhang
 Power Source: DC 8.7V from charger
 (AC 120V/60Hz)

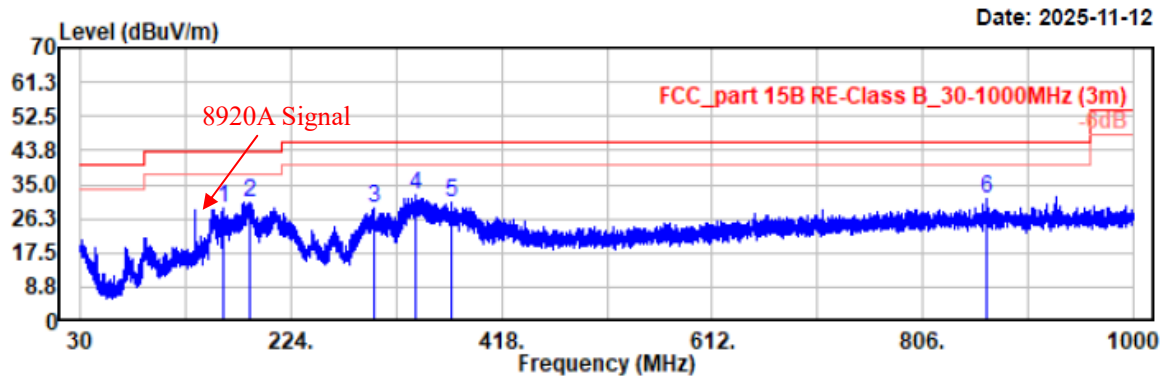


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
38.83	42.35	-10.76	31.59	40.00	8.41	Vertical	QP
87.13	46.93	-17.29	29.64	40.00	10.36	Vertical	QP
187.72	42.40	-12.39	30.01	43.50	13.49	Vertical	QP
307.81	37.39	-9.07	28.32	46.00	17.68	Vertical	QP
407.43	38.42	-6.07	32.35	46.00	13.65	Vertical	QP
438.08	38.48	-5.15	33.33	46.00	12.67	Vertical	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(136.0125MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

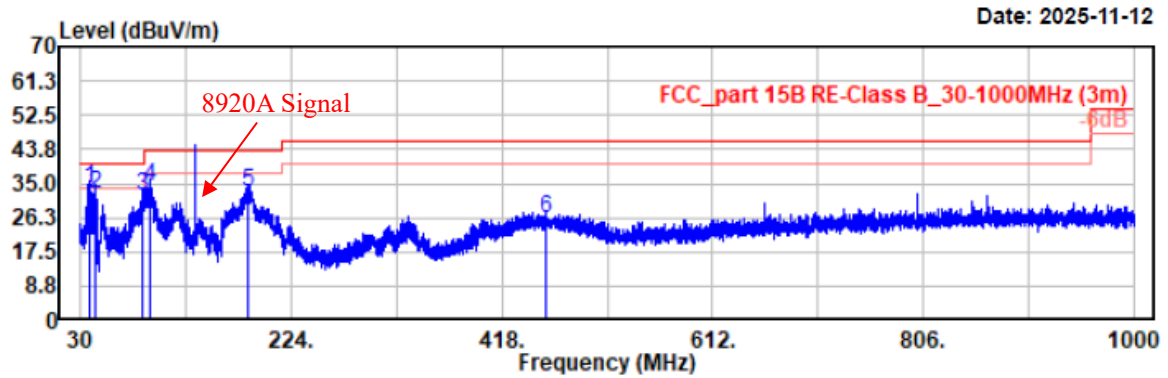


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
160.95	40.47	-11.53	28.94	43.50	14.56	Horizontal	Peak
186.56	42.80	-12.43	30.37	43.50	13.13	Horizontal	Peak
300.44	38.28	-9.17	29.11	46.00	16.89	Horizontal	Peak
339.53	40.80	-8.36	32.44	46.00	13.56	Horizontal	Peak
371.44	37.56	-7.34	30.22	46.00	15.78	Horizontal	Peak
864.49	29.05	2.19	31.24	46.00	14.76	Horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(136.0125MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

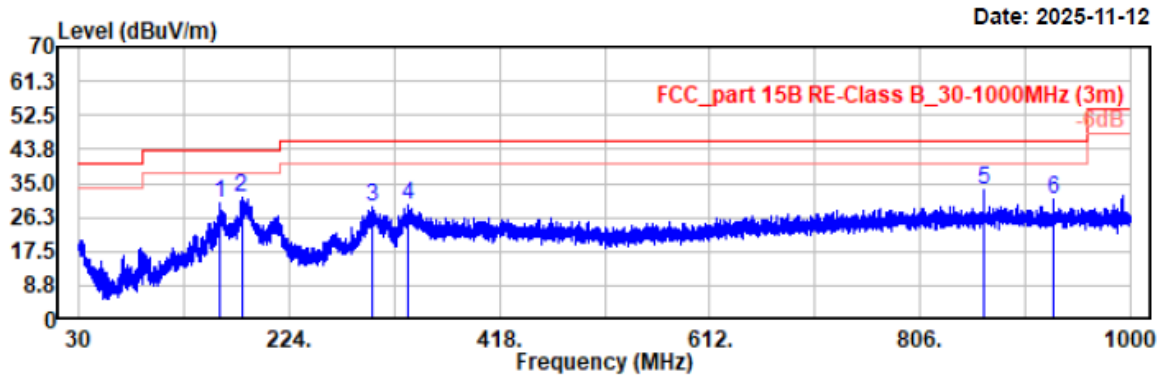


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
38.83	44.37	-10.76	33.61	40.00	6.39	Vertical	QP
43.48	46.80	-14.24	32.56	40.00	7.44	Vertical	QP
87.62	48.86	-17.23	31.63	40.00	8.37	Vertical	QP
94.41	50.58	-16.51	34.07	43.50	9.43	Vertical	QP
183.55	45.18	-12.52	32.66	43.50	10.84	Vertical	QP
459.03	30.56	-4.67	25.89	46.00	20.11	Vertical	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(155MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

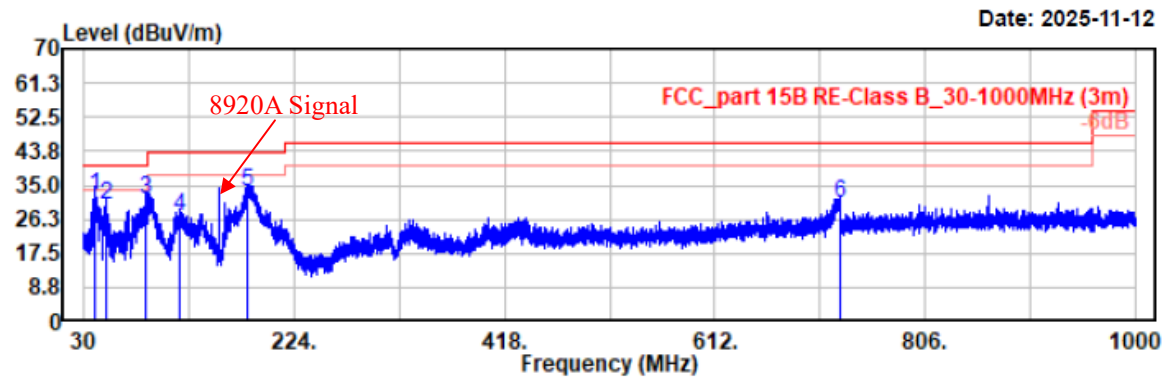


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
159.88	41.43	-11.45	29.98	43.50	13.52	Horizontal	Peak
179.96	43.62	-12.36	31.26	43.50	12.24	Horizontal	Peak
300.92	38.24	-9.17	29.07	46.00	16.93	Horizontal	Peak
333.71	37.89	-8.44	29.45	46.00	16.55	Horizontal	Peak
864.49	31.06	2.19	33.25	46.00	12.75	Horizontal	Peak
928.51	28.27	2.85	31.12	46.00	14.88	Horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(155MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

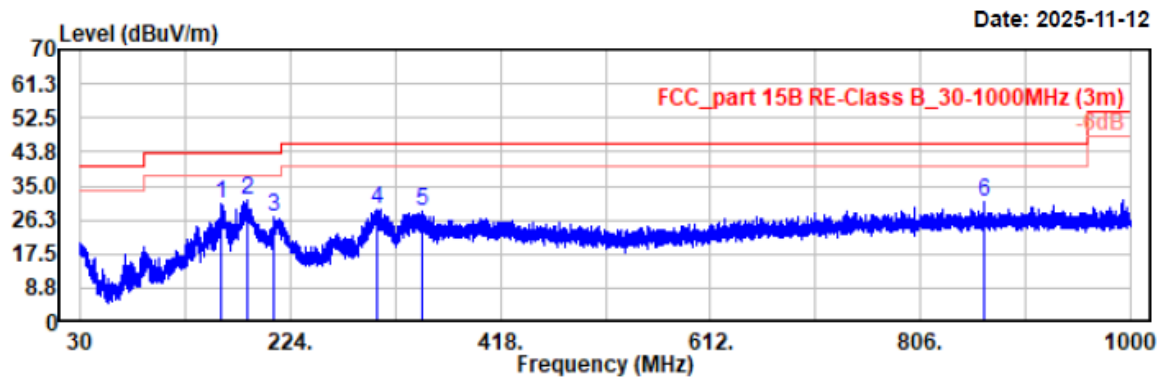


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
40.09	44.35	-11.78	32.57	40.00	7.43	Vertical	QP
50.18	47.26	-17.37	29.89	40.00	10.11	Vertical	QP
87.72	48.59	-17.22	31.37	40.00	8.63	Vertical	QP
118.37	37.31	-10.49	26.82	43.50	16.68	Vertical	QP
181.42	45.55	-12.36	33.19	43.50	10.31	Vertical	QP
727.62	30.20	0.08	30.28	46.00	15.72	Vertical	QP

Project No.: 2507Y11322E-EM
 Test Mode: Mode 3(173.9875MHz)
 EUT Model: BT9000
 Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
 Tested by: Zane Zhang
 Power Source: DC 5V from adapter
 (AC 120V/60Hz)

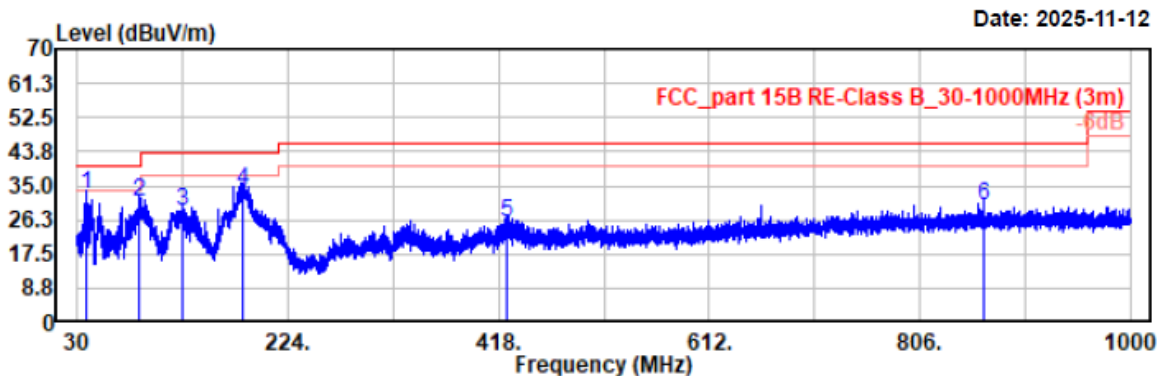


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
159.98	42.08	-11.45	30.63	43.50	12.87	Horizontal	Peak
184.33	44.00	-12.53	31.47	43.50	12.03	Horizontal	Peak
208.97	39.63	-12.52	27.11	43.50	16.39	Horizontal	Peak
304.03	38.19	-9.15	29.04	46.00	16.96	Horizontal	Peak
345.74	36.87	-8.20	28.67	46.00	17.33	Horizontal	Peak
864.39	28.54	2.19	30.73	46.00	15.27	Horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(173.9875MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

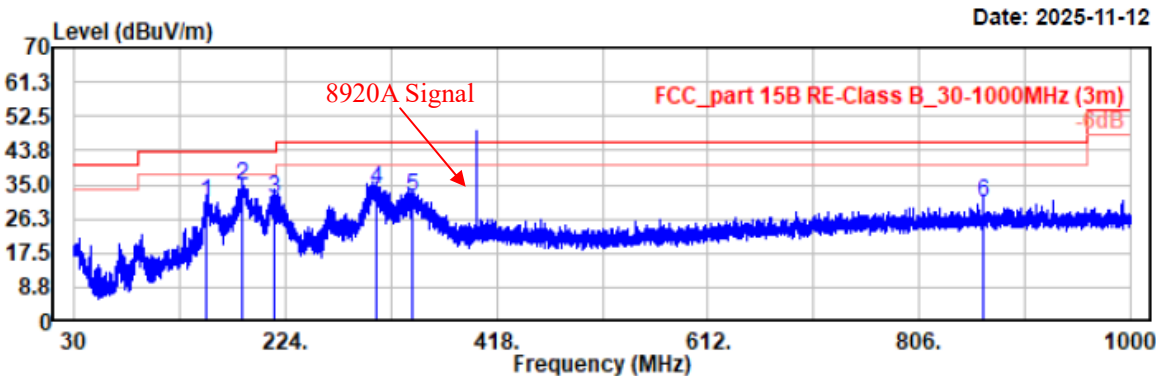


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
38.16	43.35	-10.37	32.98	40.00	7.02	Vertical	QP
87.62	48.19	-17.23	30.96	40.00	9.04	Vertical	QP
127.19	38.63	-10.01	28.62	43.50	14.88	Vertical	QP
183.16	46.39	-12.48	33.91	43.50	9.59	Vertical	QP
424.98	31.08	-5.52	25.56	46.00	20.44	Vertical	QP
864.49	27.79	2.19	29.98	46.00	16.02	Vertical	QP

Project No.: 2507Y11322E-EM
 Test Mode: Mode 3(400.0125MHz)
 EUT Model: BT9000
 Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
 Tested by: Zane Zhang
 Power Source: DC 5V from adapter
 (AC 120V/60Hz)

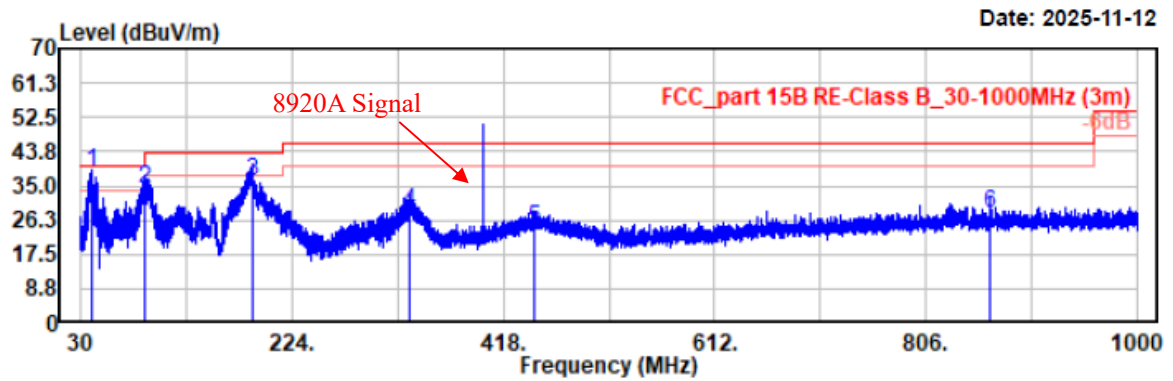


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
152.03	41.55	-11.22	30.33	43.50	13.17	Horizontal	QP
184.62	47.03	-12.50	34.53	43.50	8.97	Horizontal	QP
213.72	44.23	-12.67	31.56	43.50	11.94	Horizontal	QP
306.74	42.89	-9.10	33.79	46.00	12.21	Horizontal	QP
339.72	40.34	-8.36	31.98	46.00	14.02	Horizontal	QP
864.49	28.17	2.19	30.36	46.00	15.64	Horizontal	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(400.0125MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

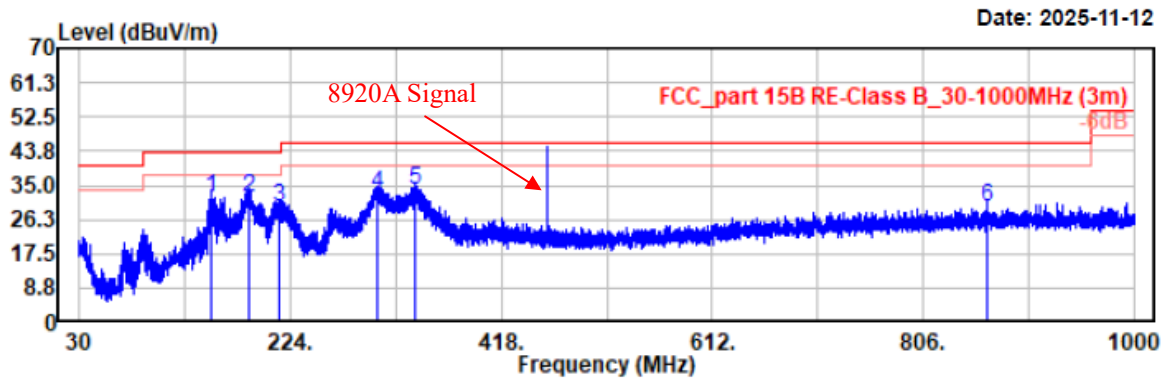


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
39.56	50.16	-11.34	38.82	40.00	1.18	Vertical	QP
89.07	51.63	-17.17	34.46	43.50	9.04	Vertical	QP
187.52	48.70	-12.37	36.33	43.50	7.17	Vertical	QP
331.67	37.19	-8.54	28.65	46.00	17.35	Vertical	QP
446.42	29.29	-4.94	24.35	46.00	21.65	Vertical	QP
864.49	25.59	2.19	27.78	46.00	18.22	Vertical	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(460MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

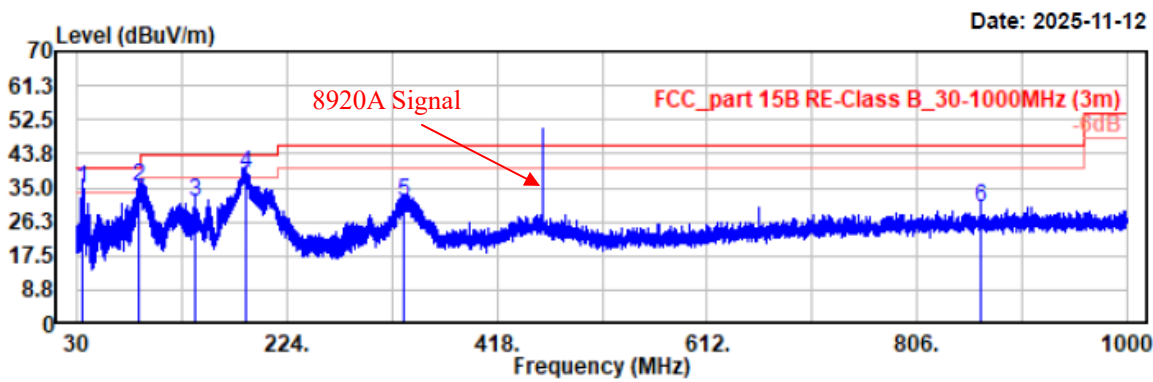


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
151.15	42.93	-11.15	31.78	43.50	11.72	Horizontal	QP
186.75	44.44	-12.38	32.06	43.50	11.44	Horizontal	QP
214.01	42.29	-12.68	29.61	43.50	13.89	Horizontal	QP
303.64	42.01	-9.15	32.86	46.00	13.14	Horizontal	QP
339.43	41.93	-8.36	33.57	46.00	12.43	Horizontal	QP
864.39	27.36	2.19	29.55	46.00	16.45	Horizontal	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(460MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

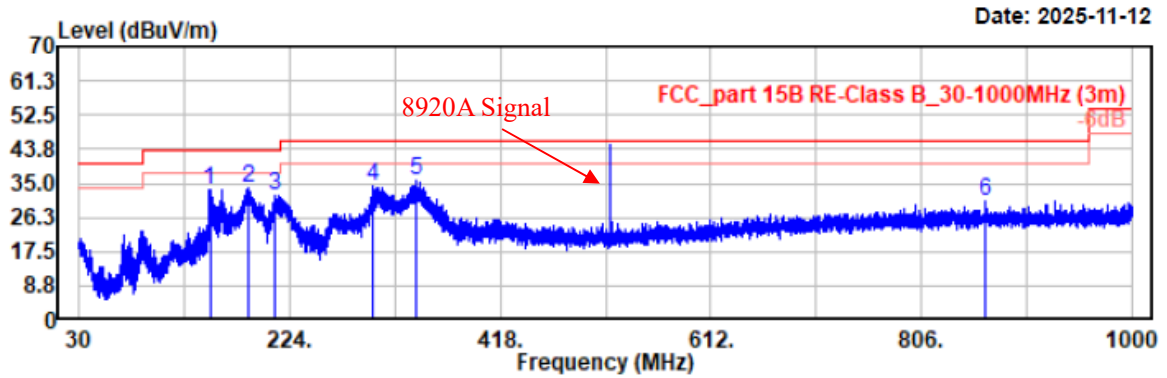


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
34.75	42.86	-7.91	34.95	40.00	5.05	Vertical	QP
86.94	52.54	-17.29	35.25	40.00	4.75	Vertical	QP
139.13	42.12	-10.62	31.50	43.50	12.00	Vertical	QP
185.20	51.01	-12.48	38.53	43.50	4.97	Vertical	QP
331.67	40.07	-8.54	31.53	46.00	14.47	Vertical	QP
864.39	27.60	2.19	29.79	46.00	16.21	Vertical	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(519.9875MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

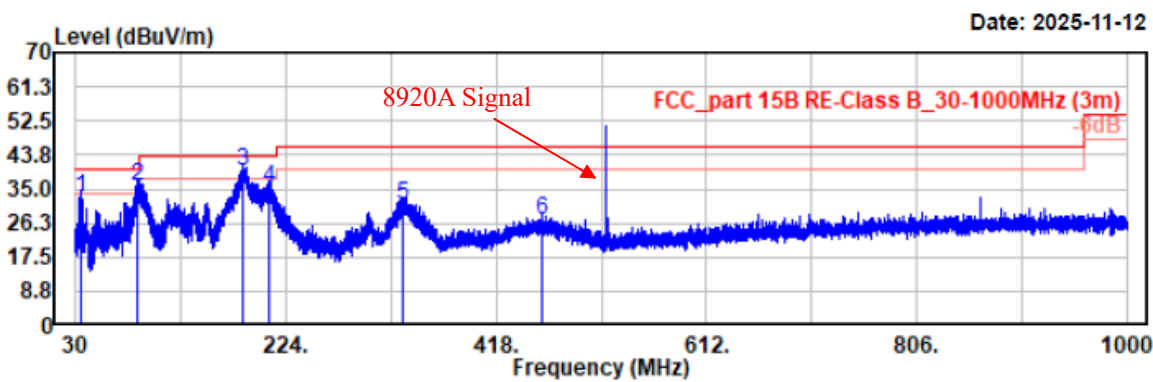


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
150.38	44.67	-11.19	33.48	43.50	10.02	Horizontal	QP
185.88	46.44	-12.54	33.90	43.50	9.60	Horizontal	QP
210.03	44.33	-12.63	31.70	43.50	11.80	Horizontal	QP
301.41	43.22	-9.16	34.06	46.00	11.94	Horizontal	QP
341.27	44.12	-8.33	35.79	46.00	10.21	Horizontal	QP
865.56	28.02	2.20	30.22	46.00	15.78	Horizontal	QP

Project No.: 2507Y11322E-EM
 Test Mode: Mode 3(519.9875MHz)
 EUT Model: BT9000
 Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
 Tested by: Zane Zhang
 Power Source: DC 5V from adapter
 (AC 120V/60Hz)

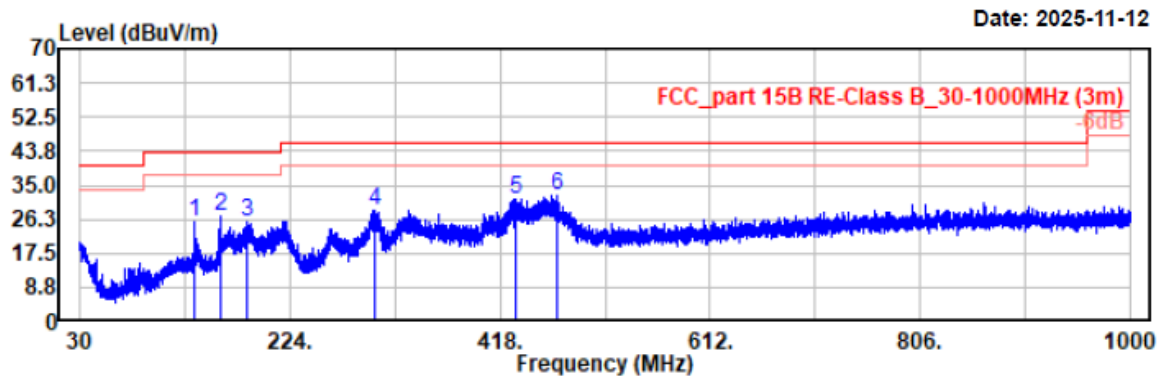


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
35.43	41.10	-8.34	32.76	40.00	7.24	Vertical	QP
87.62	53.11	-17.23	35.88	40.00	4.12	Vertical	QP
183.84	52.14	-12.54	39.60	43.50	3.90	Vertical	QP
209.35	47.62	-12.55	35.07	43.50	8.43	Vertical	QP
332.06	39.45	-8.52	30.93	46.00	15.07	Vertical	QP
459.52	31.72	-4.66	27.06	46.00	18.94	Vertical	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(136.0125MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

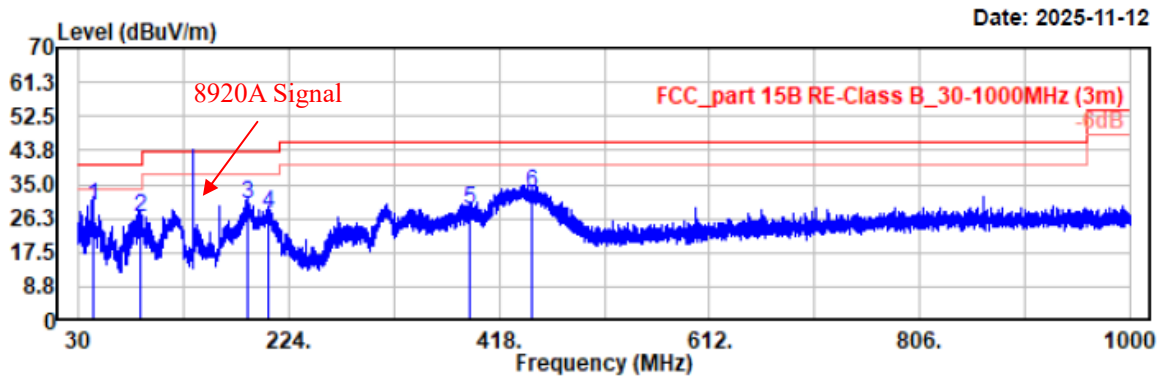


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
135.92	36.00	-10.33	25.67	43.50	17.83	Horizontal	Peak
160.08	38.28	-11.46	26.82	43.50	16.68	Horizontal	Peak
183.65	38.26	-12.52	25.74	43.50	17.76	Horizontal	Peak
301.70	37.50	-9.16	28.34	46.00	17.66	Horizontal	Peak
433.04	36.75	-5.32	31.43	46.00	14.57	Horizontal	Peak
471.54	36.62	-4.16	32.46	46.00	13.54	Horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(136.0125MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

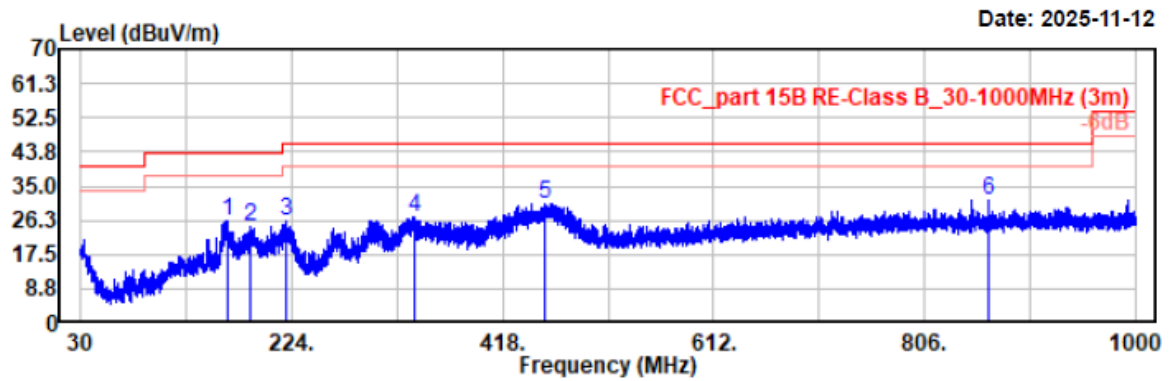


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
42.80	43.42	-13.74	29.68	40.00	10.32	Vertical	QP
86.36	43.86	-17.18	26.68	40.00	13.32	Vertical	QP
186.36	42.22	-12.47	29.75	43.50	13.75	Vertical	QP
205.67	39.55	-12.15	27.40	43.50	16.10	Vertical	QP
390.45	35.02	-6.65	28.37	46.00	17.63	Vertical	QP
448.65	37.73	-4.93	32.80	46.00	13.20	Vertical	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(155MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

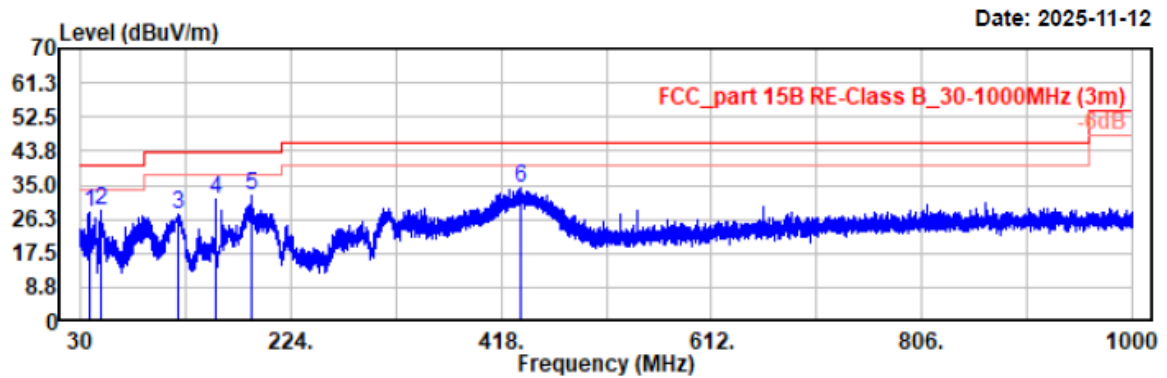


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
164.83	37.75	-11.60	26.15	43.50	17.35	Horizontal	Peak
185.39	37.23	-12.49	24.74	43.50	18.76	Horizontal	Peak
218.18	38.70	-12.67	26.03	46.00	19.97	Horizontal	Peak
337.39	35.61	-8.38	27.23	46.00	18.77	Horizontal	Peak
456.32	35.24	-4.69	30.55	46.00	15.45	Horizontal	Peak
864.49	29.23	2.19	31.42	46.00	14.58	Horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(155MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

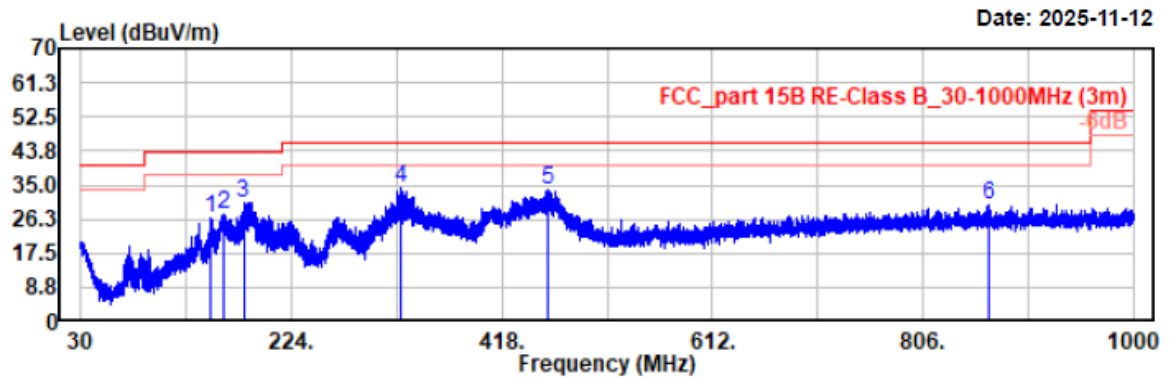


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
38.15	38.25	-10.36	27.89	40.00	12.11	Vertical	Peak
49.50	45.73	-17.29	28.44	40.00	11.56	Vertical	Peak
120.60	37.88	-10.32	27.56	43.50	15.94	Vertical	Peak
154.94	42.66	-11.40	31.26	43.50	12.24	Vertical	Peak
187.72	44.51	-12.39	32.12	43.50	11.38	Vertical	Peak
436.53	39.46	-5.22	34.24	46.00	11.76	Vertical	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(173.9875MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

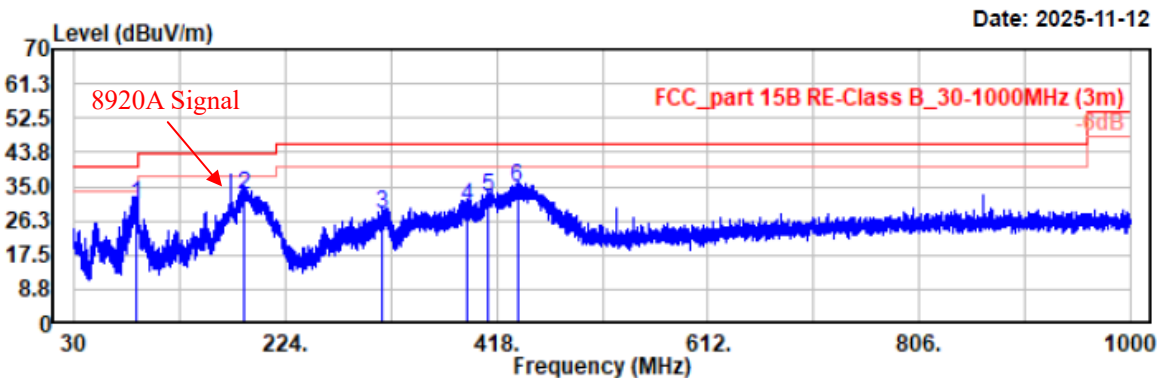


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
149.89	37.93	-11.23	26.70	43.50	16.80	Horizontal	Peak
162.50	39.20	-11.47	27.73	43.50	15.77	Horizontal	Peak
179.96	42.94	-12.36	30.58	43.50	12.92	Horizontal	Peak
324.49	42.71	-8.65	34.06	46.00	11.94	Horizontal	Peak
461.17	38.25	-4.58	33.67	46.00	12.33	Horizontal	Peak
866.72	27.79	2.18	29.97	46.00	16.03	Horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(173.9875MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

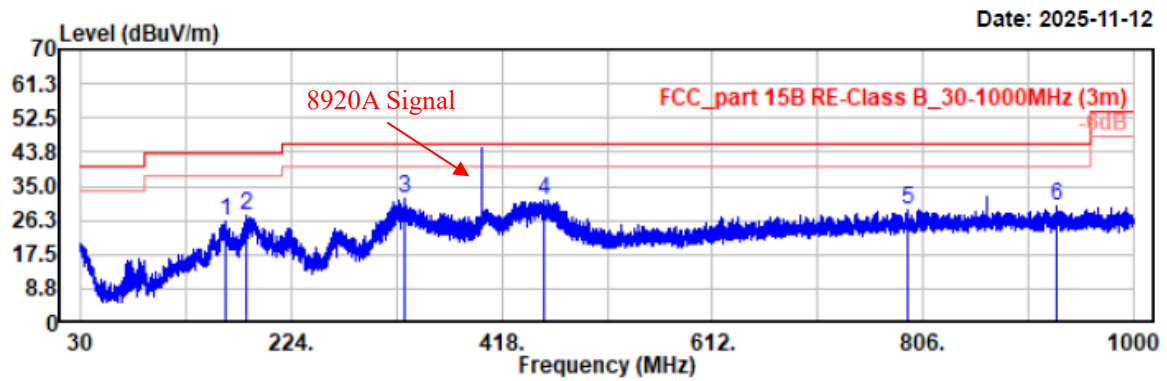


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
86.55	47.72	-17.21	30.51	40.00	9.49	Vertical	QP
185.30	45.50	-12.49	33.01	43.50	10.49	Vertical	QP
312.17	36.76	-8.97	27.79	46.00	18.21	Vertical	QP
390.16	36.40	-6.65	29.75	46.00	16.25	Vertical	QP
410.05	38.44	-6.05	32.39	46.00	13.61	Vertical	QP
436.92	39.79	-5.19	34.60	46.00	11.40	Vertical	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(400.0125MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

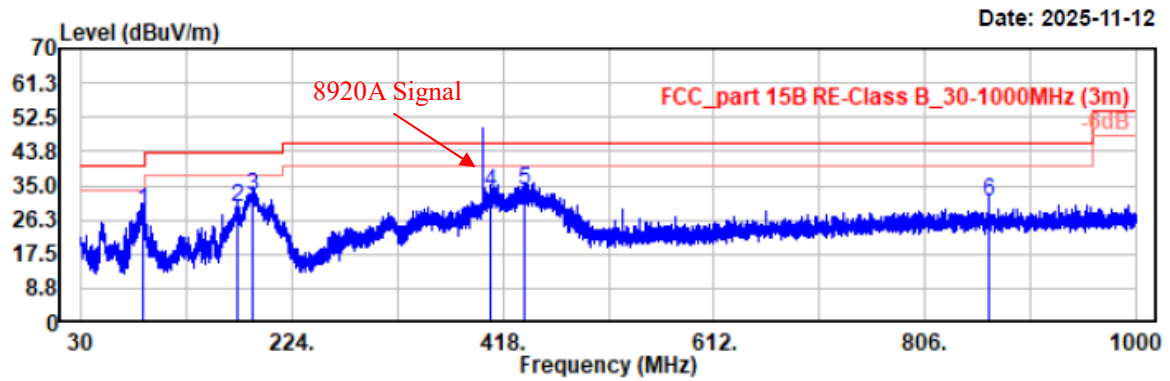


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
164.25	37.87	-11.61	26.26	43.50	17.24	Horizontal	Peak
182.87	39.91	-12.45	27.46	43.50	16.04	Horizontal	Peak
328.08	40.34	-8.62	31.72	46.00	14.28	Horizontal	Peak
457.19	36.31	-4.69	31.62	46.00	14.38	Horizontal	Peak
792.52	27.89	1.18	29.07	46.00	16.93	Horizontal	Peak
928.51	26.88	2.85	29.73	46.00	16.27	Horizontal	Peak

Project No.: 2507Y11322E-EM
 Test Mode: Mode 4(400.0125MHz)
 EUT Model: BT9000
 Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
 Tested by: Zane Zhang
 Power Source: DC 8.7V from charger
 (AC 120V/60Hz)

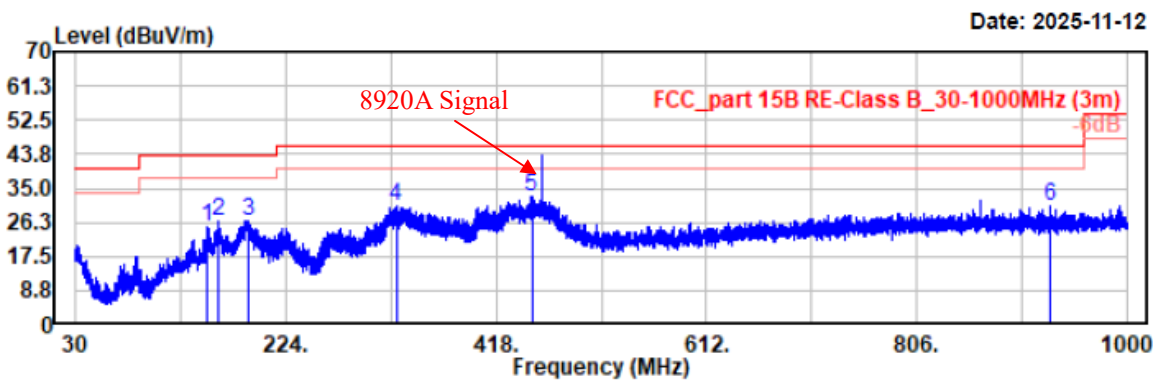


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
86.45	45.63	-17.20	28.43	40.00	11.57	Vertical	QP
174.34	41.64	-12.13	29.51	43.50	13.99	Vertical	QP
187.04	44.89	-12.33	32.56	43.50	10.94	Vertical	QP
406.26	39.42	-6.07	33.35	46.00	12.65	Vertical	QP
437.21	39.06	-5.18	33.88	46.00	12.12	Vertical	QP
864.39	28.51	2.19	30.70	46.00	15.30	Vertical	QP

Project No.: 2507Y11322E-EM
 Test Mode: Mode 4(460MHz)
 EUT Model: BT9000
 Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
 Tested by: Zane Zhang
 Power Source: DC 8.7V from charger
 (AC 120V/60Hz)

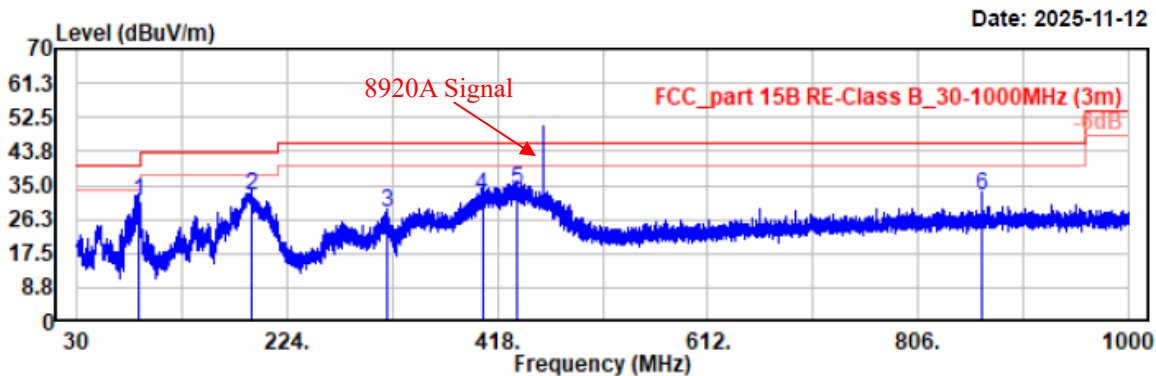


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
151.54	36.51	-11.17	25.34	43.50	18.16	Horizontal	Peak
161.53	37.89	-11.48	26.41	43.50	17.09	Horizontal	Peak
189.86	38.90	-12.29	26.61	43.50	16.89	Horizontal	Peak
325.75	38.98	-8.64	30.34	46.00	15.66	Horizontal	Peak
450.79	37.66	-4.90	32.76	46.00	13.24	Horizontal	Peak
928.51	27.44	2.85	30.29	46.00	15.71	Horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(460MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

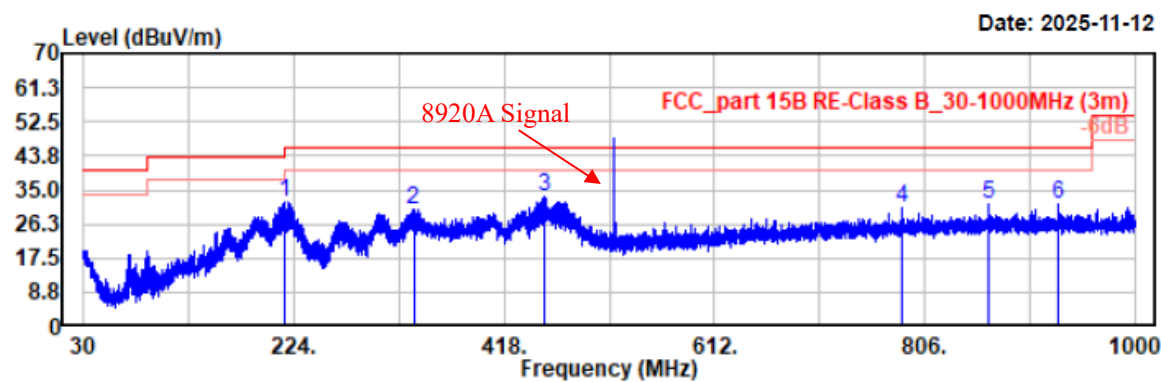


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
87.13	48.23	-17.29	30.94	40.00	9.06	Vertical	QP
191.12	44.45	-12.18	32.27	43.50	11.23	Vertical	QP
316.15	36.82	-8.87	27.95	46.00	18.05	Vertical	QP
403.94	38.69	-6.14	32.55	46.00	13.45	Vertical	QP
436.04	39.21	-5.24	33.97	46.00	12.03	Vertical	QP
864.49	30.06	2.19	32.25	46.00	13.75	Vertical	QP

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(519.9875MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

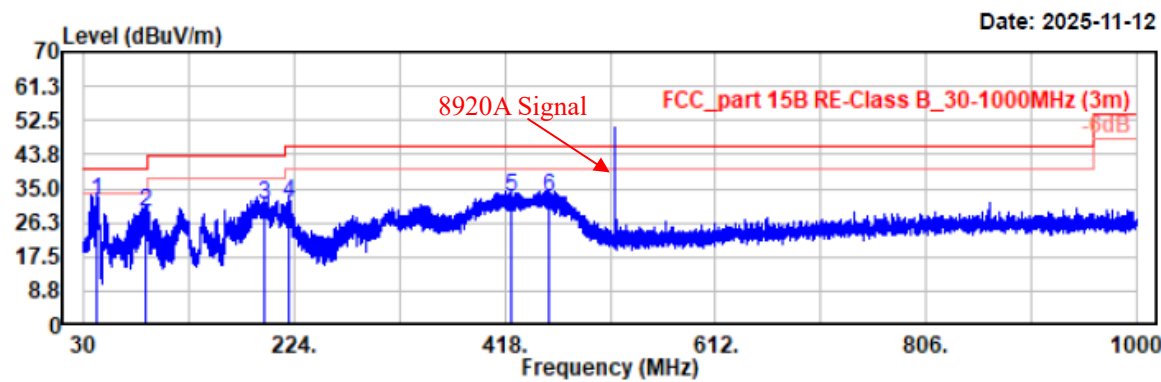


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
215.95	44.74	-12.69	32.05	43.50	11.45	Horizontal	Peak
334.48	38.49	-8.41	30.08	46.00	15.92	Horizontal	Peak
455.44	37.98	-4.70	33.28	46.00	12.72	Horizontal	Peak
784.27	29.44	1.09	30.53	46.00	15.47	Horizontal	Peak
864.49	29.37	2.19	31.56	46.00	14.44	Horizontal	Peak
928.51	28.62	2.85	31.47	46.00	14.53	Horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(519.9875MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.7°C/50%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)



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

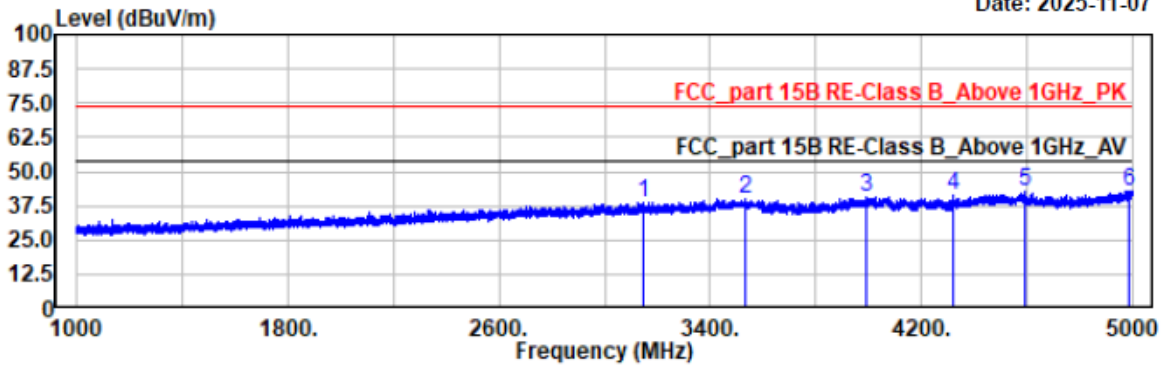
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
42.22	45.02	-13.29	31.73	40.00	8.27	Vertical	QP
87.81	46.35	-17.21	29.14	40.00	10.86	Vertical	QP
195.97	42.72	-11.95	30.77	43.50	12.73	Vertical	QP
218.57	43.85	-12.67	31.18	46.00	14.82	Vertical	QP
423.34	38.21	-5.55	32.66	46.00	13.34	Vertical	QP
457.87	37.37	-4.68	32.69	46.00	13.31	Vertical	QP

2) 1GHz - 5GHz (Worst case)

Project No.: 2507Y11322E-EM
Test Mode: Mode 1(136-174MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.6°C/49%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

Date: 2025-11-07



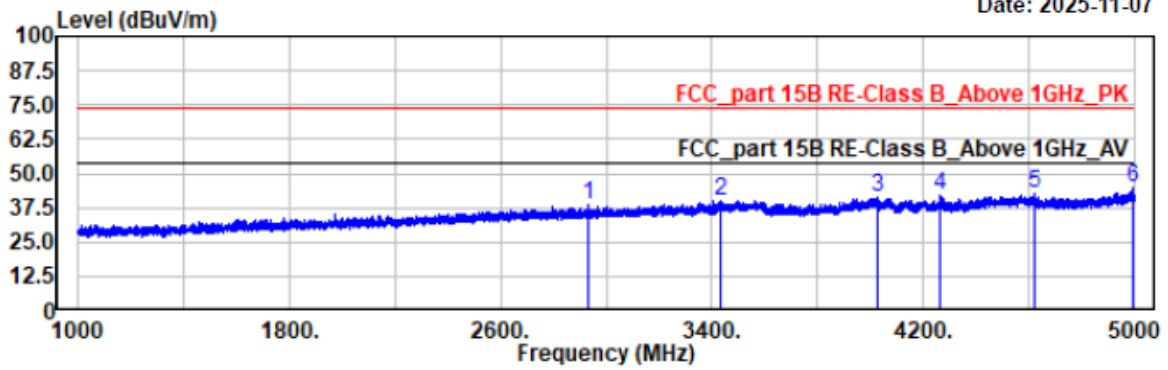
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3148.40	47.23	-8.53	38.70	74.00	35.30	horizontal	Peak
3534.80	47.50	-7.55	39.95	74.00	34.05	horizontal	Peak
3994.80	47.46	-6.52	40.94	74.00	33.06	horizontal	Peak
4321.60	46.97	-5.87	41.10	74.00	32.90	horizontal	Peak
4596.40	47.97	-5.26	42.71	74.00	31.29	horizontal	Peak
4985.60	47.81	-5.03	42.78	74.00	31.22	horizontal	Peak

Project No.: 2507Y11322E-EM
 Test Mode: Mode 1(136-174MHz)
 EUT Model: BT9000
 Test distance: 3m

Temp/Humi/ATM: 22.6°C/49%/100.1kPa
 Tested by: Zane Zhang
 Power Source: DC 5V from adapter
 (AC 120V/60Hz)

Date: 2025-11-07



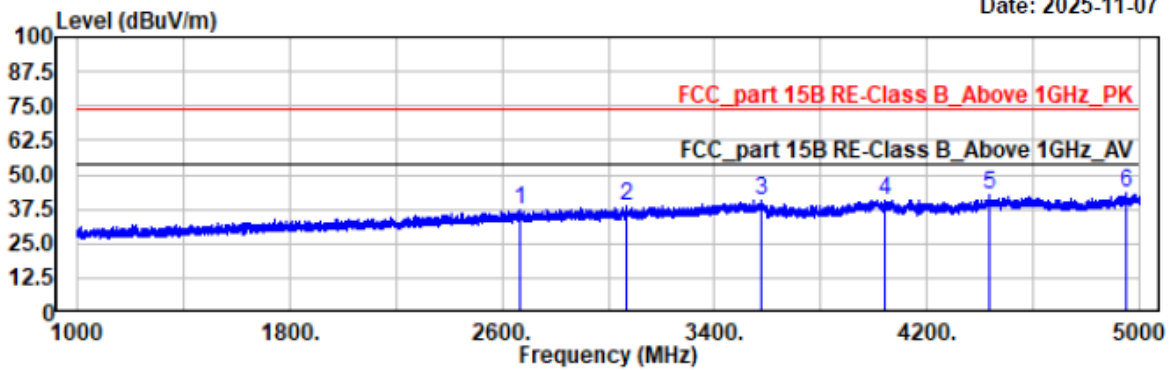
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2930.00	47.76	-9.34	38.42	74.00	35.58	vertical	Peak
3433.60	47.69	-7.79	39.90	74.00	34.10	vertical	Peak
4025.20	47.58	-6.44	41.14	74.00	32.86	vertical	Peak
4267.20	47.83	-5.82	42.01	74.00	31.99	vertical	Peak
4623.20	47.89	-5.24	42.65	74.00	31.35	vertical	Peak
4992.80	50.04	-5.00	45.04	74.00	28.96	vertical	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 2(136-174MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.6°C/49%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

Date: 2025-11-07



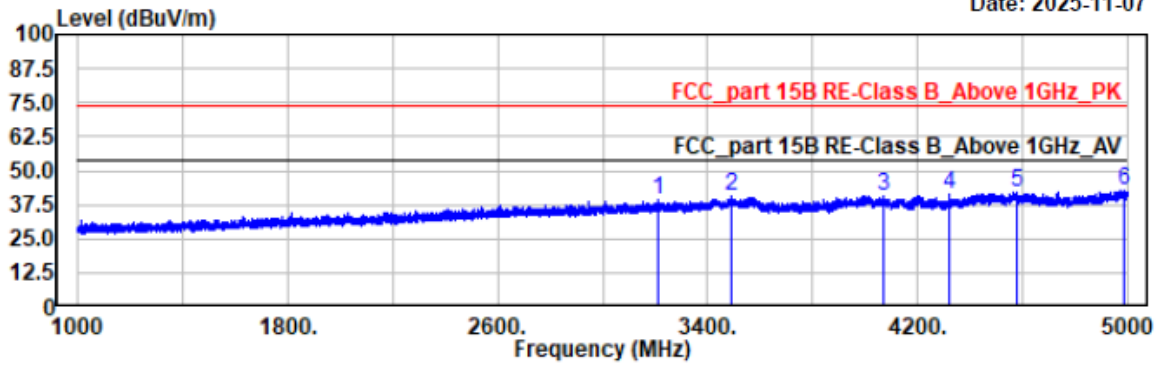
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2668.40	47.71	-10.13	37.58	74.00	36.42	horizontal	Peak
3068.80	47.39	-8.81	38.58	74.00	35.42	horizontal	Peak
3577.60	48.56	-7.64	40.92	74.00	33.08	horizontal	Peak
4042.40	47.17	-6.39	40.78	74.00	33.22	horizontal	Peak
4436.80	47.98	-5.56	42.42	74.00	31.58	horizontal	Peak
4948.00	48.28	-5.15	43.13	74.00	30.87	horizontal	Peak

Project No.: 2507Y11322E-EM
 Test Mode: Mode 2(136-174MHz)
 EUT Model: BT9000
 Test distance: 3m

Temp/Humi/ATM: 22.6°C/49%/100.1kPa
 Tested by: Zane Zhang
 Power Source: DC 8.7V from charger
 (AC 120V/60Hz)

Date: 2025-11-07



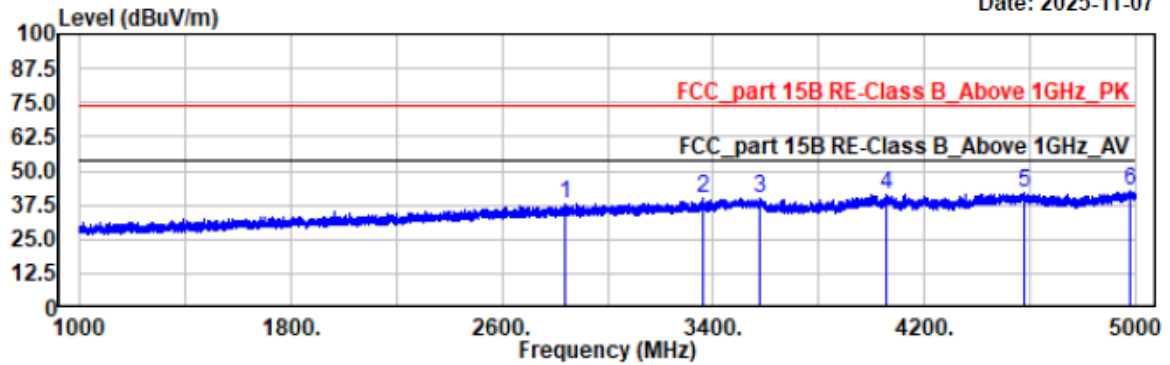
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3208.80	47.67	-8.37	39.30	74.00	34.70	vertical	Peak
3493.60	48.37	-7.58	40.79	74.00	33.21	vertical	Peak
4073.60	46.95	-6.26	40.69	74.00	33.31	vertical	Peak
4323.60	47.41	-5.86	41.55	74.00	32.45	vertical	Peak
4576.00	47.45	-5.29	42.16	74.00	31.84	vertical	Peak
4986.00	47.75	-5.03	42.72	74.00	31.28	vertical	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(173.9875MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.6°C/49%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

Date: 2025-11-07



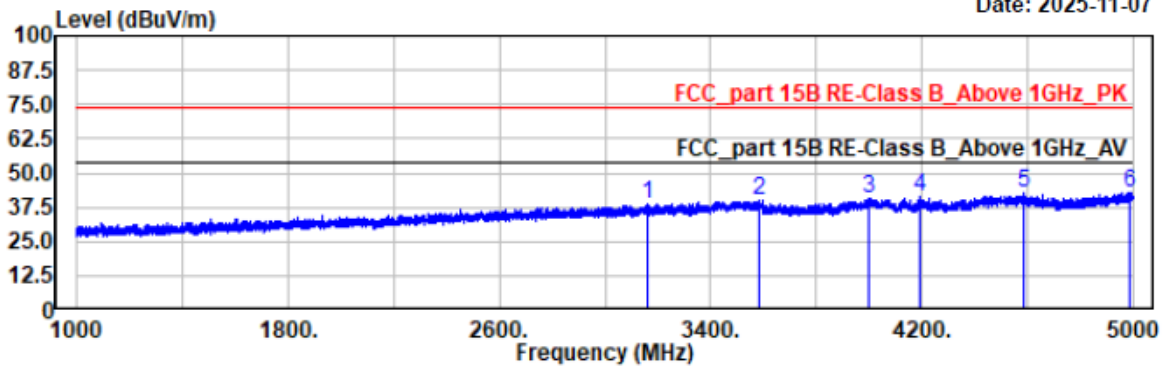
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2840.00	47.59	-9.65	37.94	74.00	36.06	horizontal	Peak
3360.80	47.72	-7.99	39.73	74.00	34.27	horizontal	Peak
3579.60	47.62	-7.65	39.97	74.00	34.03	horizontal	Peak
4058.40	47.81	-6.33	41.48	74.00	32.52	horizontal	Peak
4580.40	47.30	-5.29	42.01	74.00	31.99	horizontal	Peak
4977.20	47.81	-5.06	42.75	74.00	31.25	horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 3(173.9875MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.6°C/49%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 5V from adapter
(AC 120V/60Hz)

Date: 2025-11-07



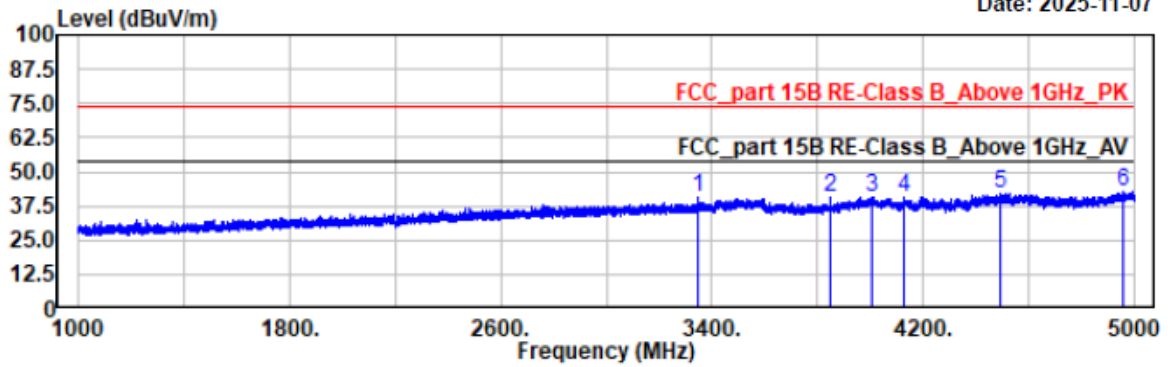
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3158.80	46.95	-8.50	38.45	74.00	35.55	vertical	Peak
3584.80	47.81	-7.67	40.14	74.00	33.86	vertical	Peak
3997.20	47.26	-6.51	40.75	74.00	33.25	vertical	Peak
4195.20	46.92	-5.57	41.35	74.00	32.65	vertical	Peak
4587.60	48.11	-5.27	42.84	74.00	31.16	vertical	Peak
4985.60	48.13	-5.03	43.10	74.00	30.90	vertical	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(173.9875MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.6°C/49%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

Date: 2025-11-07



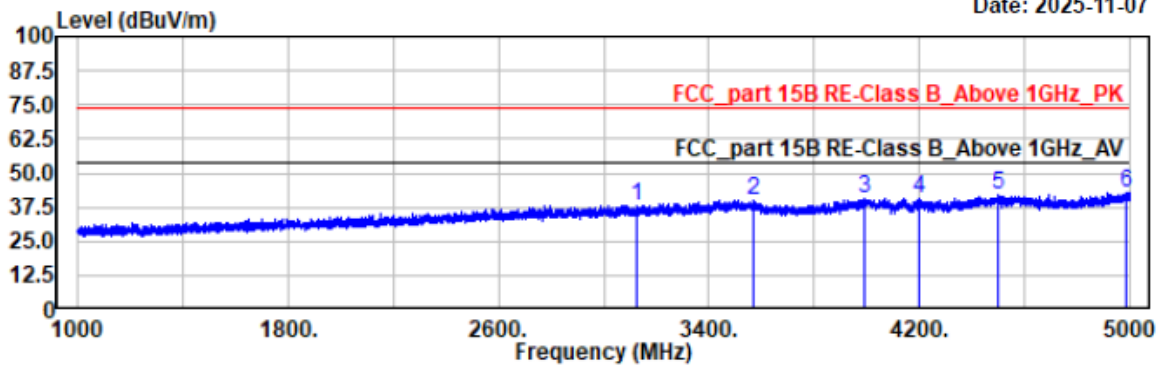
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3344.40	48.96	-8.03	40.93	74.00	33.07	horizontal	Peak
3846.00	47.18	-6.80	40.38	74.00	33.62	horizontal	Peak
4006.80	47.10	-6.49	40.61	74.00	33.39	horizontal	Peak
4131.20	46.84	-5.99	40.85	74.00	33.15	horizontal	Peak
4496.40	47.48	-5.31	42.17	74.00	31.83	horizontal	Peak
4959.60	47.91	-5.11	42.80	74.00	31.20	horizontal	Peak

Project No.: 2507Y11322E-EM
Test Mode: Mode 4(173.9875MHz)
EUT Model: BT9000
Test distance: 3m

Temp/Humi/ATM: 22.6°C/49%/100.1kPa
Tested by: Zane Zhang
Power Source: DC 8.7V from charger
(AC 120V/60Hz)

Date: 2025-11-07



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
3128.00	46.89	-8.63	38.26	74.00	35.74	vertical	Peak
3568.40	47.89	-7.61	40.28	74.00	33.72	vertical	Peak
3989.20	47.04	-6.54	40.50	74.00	33.50	vertical	Peak
4200.80	46.33	-5.54	40.79	74.00	33.21	vertical	Peak
4502.00	47.61	-5.29	42.32	74.00	31.68	vertical	Peak
4990.00	48.05	-5.02	43.03	74.00	30.97	vertical	Peak

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

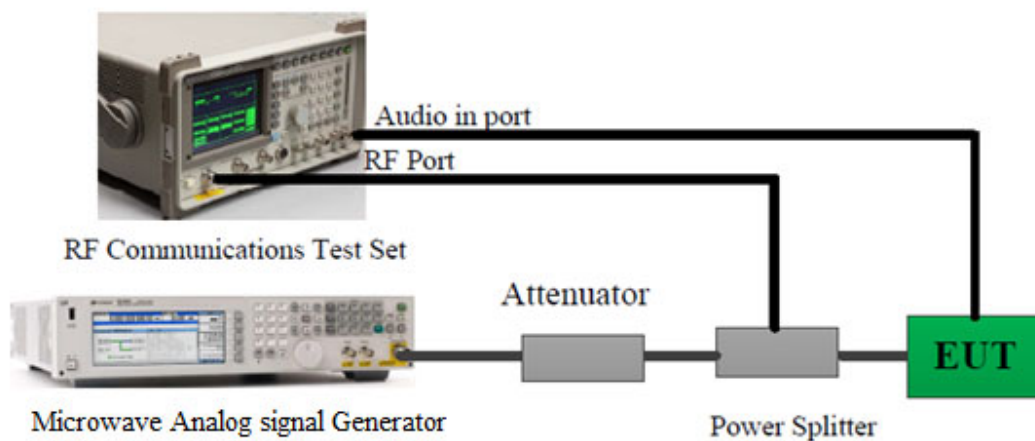
Applicable Standard

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

Test Mode:	Scanning	Test Engineer:	Lucas Lin
Test Date:	2025-11-03	Test Result:	Pass

Environment Conditions:

Temperature: (°C)	23.7	Relative Humidity: (%)	50	ATM Pressure: (kPa)	100.1
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Scanning Frequency Range (MHz)	Test Frequency (MHz)	Measurement Result (Worst Case) (dB)	Limit (dB)
136-174	824, 836, 849, 869, 881.5, 894	47	>38
400-520		44	>38

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2507Y11322E-EM-EXP EUT EXTERNAL PHOTOGRAPHS and 2507Y11322E-EM-INP EUT INTERNAL PHOTOGRAPHS

EXHIBIT B – TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2507Y11322E-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*******