

Prüfbericht-Nr.: <i>Test report no.:</i>	CN26CEOD 001	Auftrags-Nr.: <i>Order no.:</i>	27239579	Seite 1 von 22 Page 1 of 22	
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2026-06-09		
Auftraggeber: <i>Client:</i>	SHENZHEN FENDA TECHNOLOGY CO.,LTD Fenda Hi-Tech Park, Zhoushi Road, Shiyao, Baoan, Shenzhen, Guangdong, China				
Prüfgegenstand: <i>Test item:</i>	Wireless Microphone Pair				
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	NS-PSMCPAIR (Trademark: INSIGNIA)				
Auftrags-Inhalt: <i>Order content:</i>	Test Report				
Prüfgrundlage: <i>Test specification:</i>	CFR Title 47 FCC Part 15, Subpart C, Section 15.247				
Wareneingangsdatum: <i>Date of sample receipt:</i>	2026-06-05	Please refer to Photo Document			
Prüfmuster-Nr.: <i>Test sample no.:</i>	A004297425-001~003				
Prüfzeitraum: <i>Testing period:</i>	2026-06-15 - 2026-06-27				
Ort der Prüfung: <i>Place of testing:</i>	Shenzhen PSI Testing Co., Ltd.				
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüfergebnis*: <i>Test result*:</i>	Pass				
geprüft von: <i>tested by:</i>	 Signed by: Jonathan Li		genehmigt von: <i>authorized by:</i>	 Signed by: Bell Hu	
Datum: <i>Date:</i>	2026-07-02		Ausstellungsdatum: <i>Issue date:</i>	2026-07-02	
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / <i>Other:</i>	FCC ID: HBOWM2622				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>				
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested					
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Prüfbericht-Nr.: CN26CEOD 001
Test report no.:

Seite 2 von 22
Page 2 of 22

Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfbedingungen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

Prüfbericht - Nr.: CN26CEOD 001
Test Report No.:

Seite 3 von 22
Page 3 of 22

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 99% BANDWIDTH

RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.8 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

Contents

1	GENERAL REMARKS	5
1.1	COMPLEMENTARY MATERIALS	5
2	TEST SITES	6
2.1	TEST FACILITIES	6
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	6
2.3	TRACEABILITY	7
2.4	CALIBRATION	7
2.5	MEASUREMENT UNCERTAINTY.....	7
2.6	LOCATION OF ORIGINAL DATA.....	8
2.7	STATUS OF FACILITY USED FOR TESTING.....	8
3	GENERAL PRODUCT INFORMATION	9
3.1	PRODUCT FUNCTION AND INTENDED USE.....	9
3.2	RATINGS AND SYSTEM DETAILS	9
3.3	INDEPENDENT OPERATION MODES	10
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS.....	10
3.5	SUBMITTED DOCUMENTS.....	10
4	TEST SET-UP AND OPERATION MODES	11
4.1	PRINCIPLE OF CONFIGURATION SELECTION	11
4.2	TEST OPERATION AND TEST SOFTWARE.....	11
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	11
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....	11
4.5	TEST SETUP DIAGRAM	12
5	TEST RESULTS	14
5.1	TRANSMITTER REQUIREMENT & TEST SUITES	14
5.1.1	<i>Antenna Requirement</i>	<i>14</i>
5.1.2	<i>Maximum Peak Conducted Output Power</i>	<i>15</i>
5.1.3	<i>Conducted Power Spectral Density</i>	<i>16</i>
5.1.4	<i>6dB Bandwidth</i>	<i>17</i>
5.1.5	<i>99% Bandwidth</i>	<i>18</i>
5.1.6	<i>Conducted Spurious Emissions Measured in 100 kHz Bandwidth</i>	<i>19</i>
5.1.7	<i>Radiated Spurious Emission</i>	<i>20</i>
5.1.8	<i>Conducted Emission on AC Mains.....</i>	<i>21</i>
6	PHOTOGRAPHS OF THE TEST SET-UP	22
7	LIST OF TABLES.....	22

1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of Bluetooth LE

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

Shenzhen PSI Testing Co., Ltd.

1-2F, Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

A2LA CAB identifier: CN1362

TÜV Rheinland (shenzhen) Co., Ltd. subcontract all test to Shenzhen PSI Testing Co., Ltd. And all tests at this site have been conducted under the supervision of a TÜV Rheinland engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	9*6*6 anechoic chamber	SKET	9*6*6	N/A	/	2025.12.18	3 Year
2.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2025.12.18	1 Year
3.	Loop Antenna	Schwarz beck	FMZB 1519B	00128	/	2025.01.02	2 Year
4.	Bilog Antenna	Schwarz beck	VULB 9168	01448	/	2025.01.02	2 Year
5.	Spectrum Analyzer	Rohde&Schwarz	FSV-40N	101648	3.70	2025.12.18	1 Year
6.	Horn Antenna	Schwarz beck	BBHA 9120 D	02706	/	2025.01.02	2 Year
7.	Amplifier	SKET	LAPA_01G18 G-45dB	SK2022032901	/	2025.12.18	1 Year
8.	Horn Antenna	Schwarz beck	BBHA 9170	00946	/	2024.12.31	2 Year
9.	Amplifier	SKET	LNPA_0118G-45	SK2020010801	/	2025.12.18	1 Year
10.	RF Power Probe	Rohde&Schwarz	NRP-Z11	1138.3004.02-117725-vh	/	2025.12.18	1 Year
11.	RF Power Probe	Rohde&Schwarz	NRP-Z11	1138.3004.02-1111533-Fz	/	2025.12.18	1 Year
12.	Vector Signal Generator	Agilent	N5182A	MY47420724	/	2025.12.18	1 Year
13.	Analog signal generator	Agilent	N5181A	MY50145363	/	2025.12.18	1 Year
14.	Comprehensive Test Instrument	Rohde&Schwarz	CMW 500	145266	/	2025.12.18	1 Year
15.	Spectrum Analyzer	Agilent	N9020A	MY51281067	A.14.03	2025.12.18	1 Year
16.	Temp. & Humid Chamber	Auchno	9606	/	/	2025.12.18	1 Year
17.	Regulated DC Power Supply	Xinouhua	ADC120V10A	202211251638		2025.12.18	1 Year

For Test Software Information

Item	Software Name	Manufacturer	Version
RE	EMC-I	Farad	PSI-3A1
RF	RTS	TACHOY	V1.0.0

For Power Line Conducted Emission Test Equipment:							
Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2025.12.18	1 Year
2.	L.I.S.N.	Rohde&Schwarz	ENV 216	102282	/	2025.12.18	1 Year
3.	L.I.S.N.	RFT	NNB111	13835240	/	2025.12.18	1 Year

For Test Software Information			
Item	Software Name	Manufacturer	Version
CE	EZ-EMC	Farad	PSI-3A1

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Item	Uncertainty
Power Line Conducted Emissions Test	2.13dB
Radiation Emission test in 3m chamber(Below 30MHz)	4.07dB
Radiation Emission test in 3m chamber(30MHz to 1GHz)	4.51dB
Radiation Emission test in 3m chamber(1GHz to 18GHz)	5.07dB
Radiation Emission test in 3m chamber(18GHz to 40GHz)	5.21dB
Disturbance power test Equipment:	3.68dB
Radio Frequency	48.24KHz
Conducted RF Power	0.41dB
Power Spectral Density	0.39 dB
Occupied-Bandwidth	968Hz
Duty Cycle	1%
Conducted-Spurious Emission	1.26dB

Note: 95% confidence levels, k=2

Prüfbericht - Nr.: CN26CEOD 001
*Test Report No.:*Seite 8 von 22
Page 8 of 22

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The Shenzhen PSI Testing Co., Ltd. Test facility located at 1-2F, Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104 is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The product is a microphone, which supports Bluetooth wireless technology.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Wireless Microphone Pair
Type Designation:	NS-PSMCPAIR
Trademark:	INSIGNIA
FCC ID:	HBOWM2622
Operating Voltage:	USB-C operated (5Vdc) or Battery operated (3.6Vdc, 730mAh)
Testing Voltage:	Fully charged battery or AC 120V, 60Hz
Technical Specification of Bluetooth LE	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	40 channels
Channel Separation:	2MHz
Data Rate:	1 Mbps, 2 Mbps
Antenna Type:	Integral Antenna
Antenna Gain:	2.93 dBi (Provided by the Client)

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

Table 4: RF Channel and Frequency of Bluetooth LE

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Test frequencies are lowest channel: 2402 MHz, middle channel: 2440 MHz and highest channel: 2480 MHz for Bluetooth LE

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Bluetooth transmitting mode
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. On, Normal working + Charging
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- User Manual
- Operation Description
- ID Label and Location Info

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10:2020.

According to clause 3.1, all tests were performed on model *NS-PSMCPAIR* in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	Remark
Notebook PC	Dell	Latitude 3490	N/A
Speaker	SHENZHEN FENDA	NS-PSL320	N/A
Wireless Microphone Pair	SHENZHEN FENDA	NS-PSMCPAIR	Dongle
Adapter	Shenzhen Beisi technology	CCXFK65CC	Input:AC110-240V, 50/60Hz, 1.5A Max Output: 5V,3A; 9V,3A;12V,2.5A

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

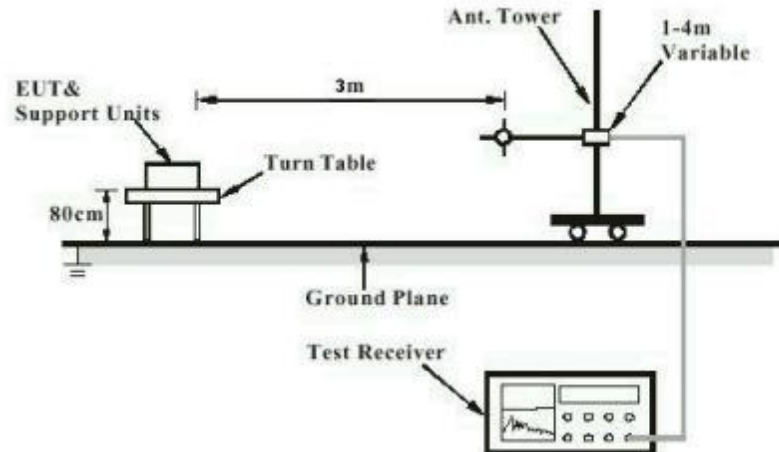


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

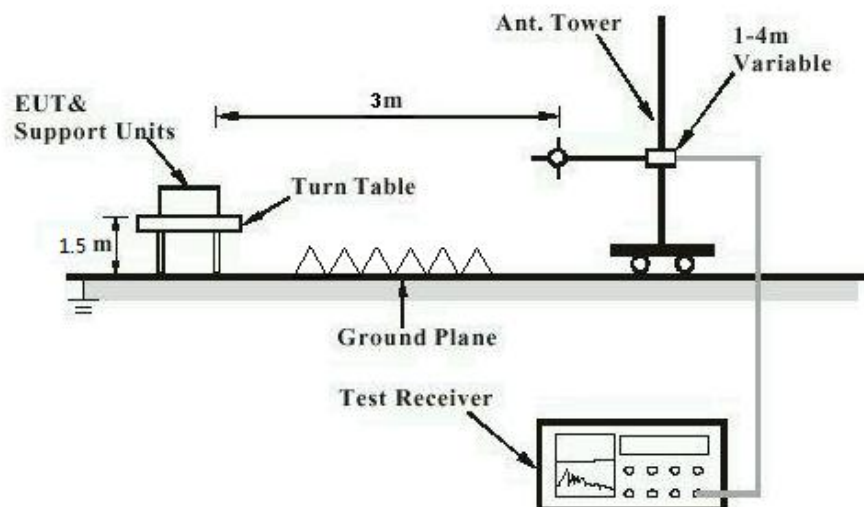


Diagram of Measurement Configuration for Mains Conduction Measurement

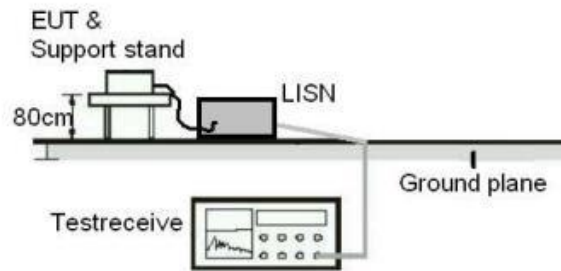
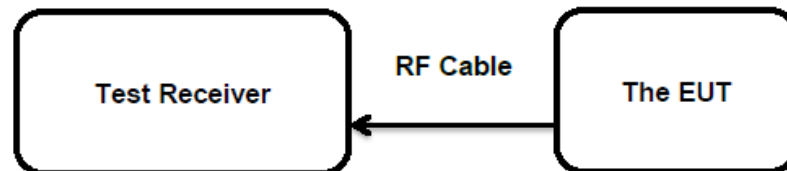


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(4) and Part 15.203

According to the manufacturer declared, the EUT has Integral Antenna, permanent attachment and no consideration of replacement, refer to section 3.2 for details.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Maximum Peak Conducted Output Power

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(3)
Basic standard : ANSI C63.10:2020
Limits : < 1.0 W
Kind of test site : Shielded Room

Test Setup

Date of testing : 2026-06-15
Input voltage : Fully charged battery
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 24 °C
Relative humidity : 56 %
Atmospheric pressure : 100.7 kPa

For details refer to following test result.

Table 6: Test Result of Maximum Conducted Output Power, Bluetooth LE

Test Mode	Test Channel (MHz)	Measured Peak Power		Limit (W)
		(dBm)	(W)	
Bluetooth LE (1 Mbps)	2402	4.32	0.0027	< 1.0
	2440	4.29	0.0027	
	2480	3.50	0.0022	
Bluetooth LE (2 Mbps)	2402	4.32	0.0027	
	2440	4.35	0.0027	
	2480	3.50	0.0022	
Max. Measured Value		4.35	0.0027	

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 2.93dBi

Prüfbericht - Nr.: CN26CEOD 001
Test Report No.:

Seite 16 von 22
Page 16 of 22

5.1.3 Conducted Power Spectral Density

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(e)
Basic standard	: ANSI C63.10:2020
Limits	: < 8 dBm / 3kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-15
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24 °C
Relative humidity	: 56 %
Atmospheric pressure	: 100.7 kPa

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: CN26CEOD 001
Test Report No.:

Seite 17 von 22
Page 17 of 22

5.1.4 6dB Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)(2)
Basic standard	: ANSI C63.10:2020
Limits	: > 500 kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-15
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24 °C
Relative humidity	: 56 %
Atmospheric pressure	: 100.7 kPa

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: CN26CEOD 001
Test Report No.:

Seite 18 von 22
Page 18 of 22

5.1.5 99% Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)
Basic standard	: ANSI C63.10:2020
Limits	: Within assigned band 2400-2483.5MHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-15
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24 °C
Relative humidity	: 56 %
Atmospheric pressure	: 100.7 kPa

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: CN26CEOD 001
Test Report No.:Seite 19 von 22
Page 19 of 22

5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(d)
Basic standard	: ANSI C63.10:2020
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-15
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24 °C
Relative humidity	: 56 %
Atmospheric pressure	: 100.7 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: CN26CEOD 001
Test Report No.:Seite 20 von 22
Page 20 of 22

5.1.7 Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205
Basic standard	: ANSI C63.10:2020
Limits	: Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2026-06-17 to 2026-06-22
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test results
Relative humidity	: Refer to test results
Atmospheric pressure	: 100.7 kPa

Remark:

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: CN26CEOD 001
Test Report No.:

Seite 21 von 22
Page 21 of 22

5.1.8 Conducted Emission on AC Mains

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.207(a)
Basic standard	: ANSI C63.10:2020
Frequency range	: 0.15 – 30MHz
Classification	: Class B
Limits	: FCC Part 15.207(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-27
Input voltage	: AC 120V, 60Hz
Operation mode	: B
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101.2 kPa

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix B.

7 List of Tables

Table 1: List of Test and Measurement Equipment.....	6
Table 2: Measurement Uncertainty.....	7
Table 3: Technical Specification of EUT	9
Table 4: RF Channel and Frequency of Bluetooth LE.....	10
Table 5: List of Accessories and Auxiliary Equipment.....	11
Table 6: Test Result of Maximum Conducted Output Power, Bluetooth LE	15

Appendix A: Test Results of Bluetooth LE

APPENDIX A: TEST RESULTS OF BLUETOOTH LE	1
APPENDIX A.1: TEST RESULTS OF 6dB BANDWIDTH	2
Test Result	2
Test Graphs	3
APPENDIX A.2: TEST RESULTS OF 99% BANDWIDTH	6
Test Result	6
Test Graphs	7
APPENDIX A.3: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	10
Test Result	10
Test Graphs	11
APPENDIX A.4: TEST RESULTS OF BAND EDGE MEASUREMENTS	14
Test Result	14
Test Graphs	15
APPENDIX A.5: TEST RESULTS OF CONDUCTED SPURIOUS EMISSION	19
Test Result	19
Test Graphs	20
APPENDIX A.6: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	26
30MHz - 1GHz	26
1GHz - 18GHz	34
APPENDIX A.7: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	42
APPENDIX A.8: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS	50

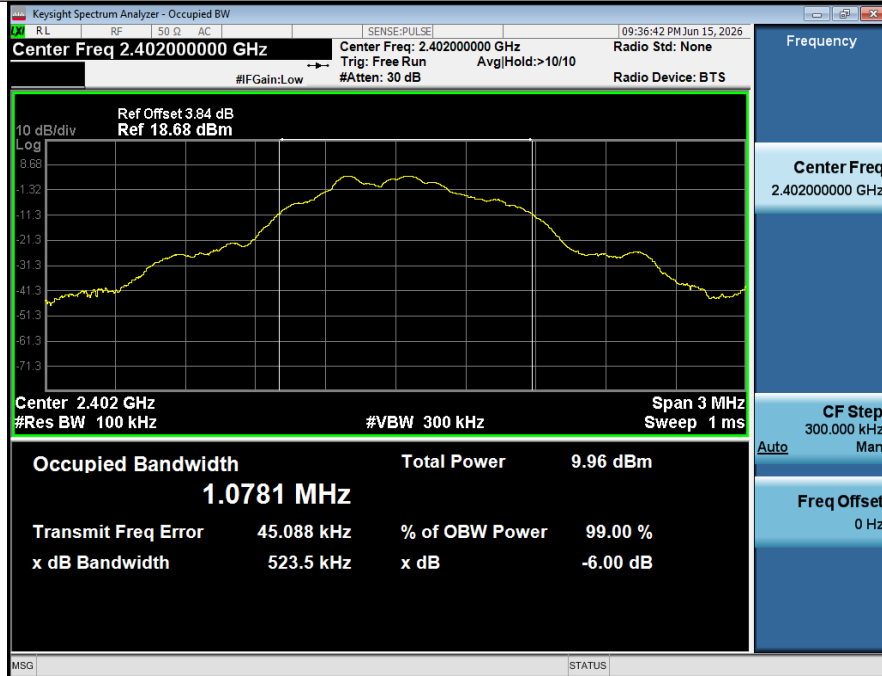
Appendix A.1: Test Results of 6dB Bandwidth

Test Result

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	523.54	500	Pass
NVNT	ANT1	1Mbps	2440.00	538.85	500	Pass
NVNT	ANT1	1Mbps	2480.00	520.39	500	Pass
NVNT	ANT1	2Mbps	2402.00	868.28	500	Pass
NVNT	ANT1	2Mbps	2440.00	858.70	500	Pass
NVNT	ANT1	2Mbps	2480.00	849.43	500	Pass

Test Graphs

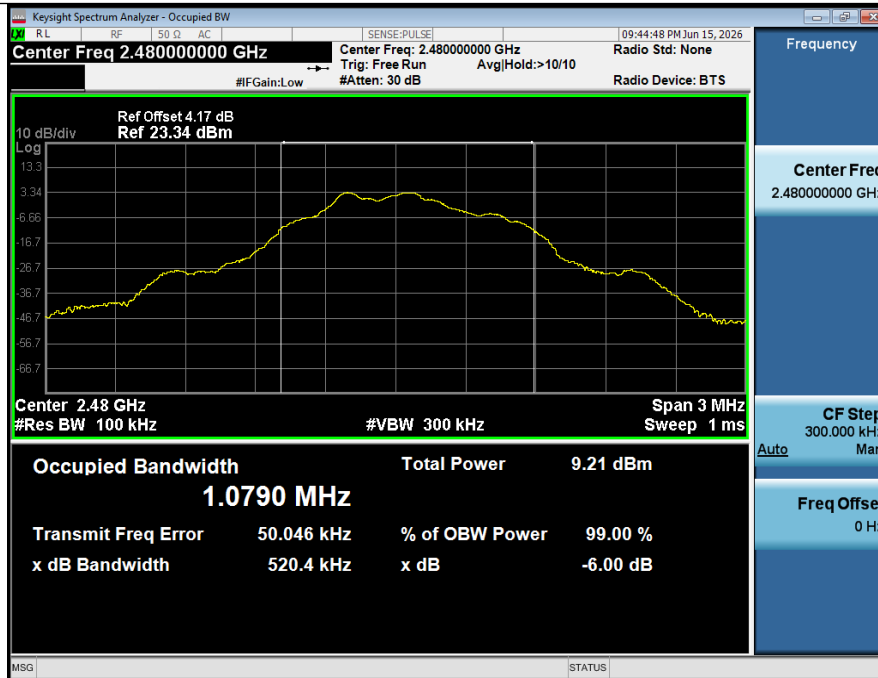
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



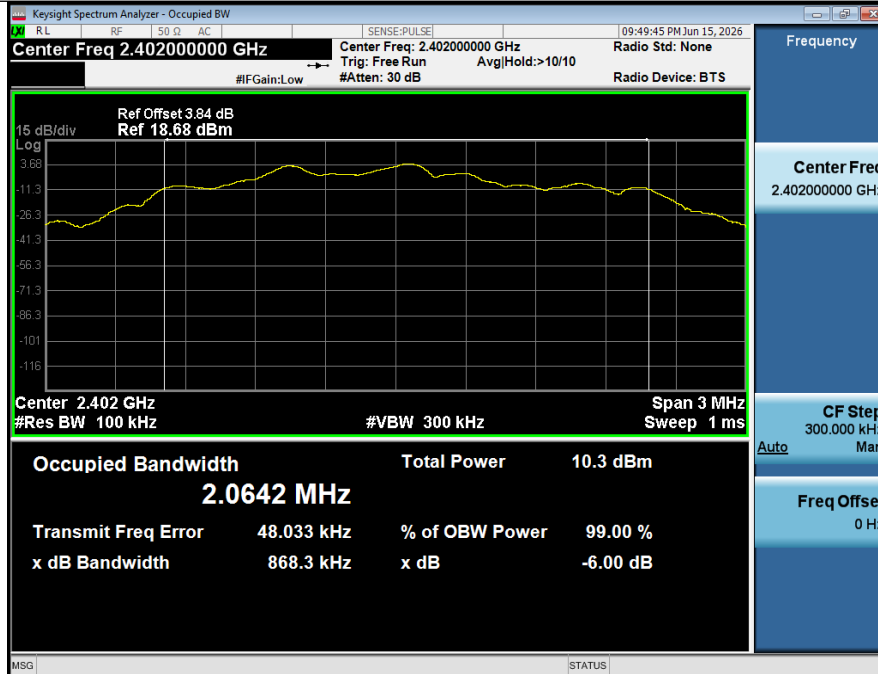
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440



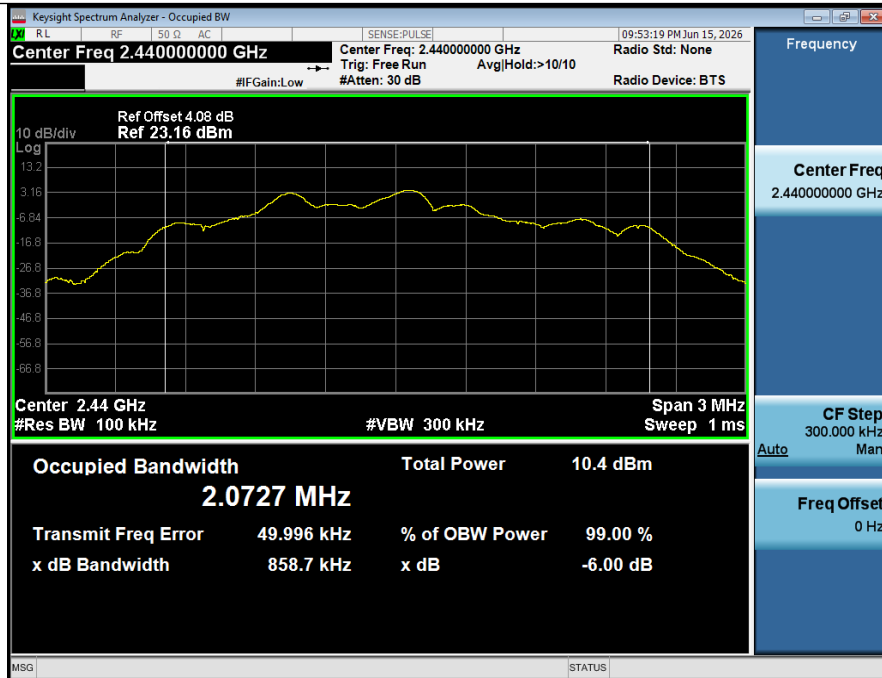
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480



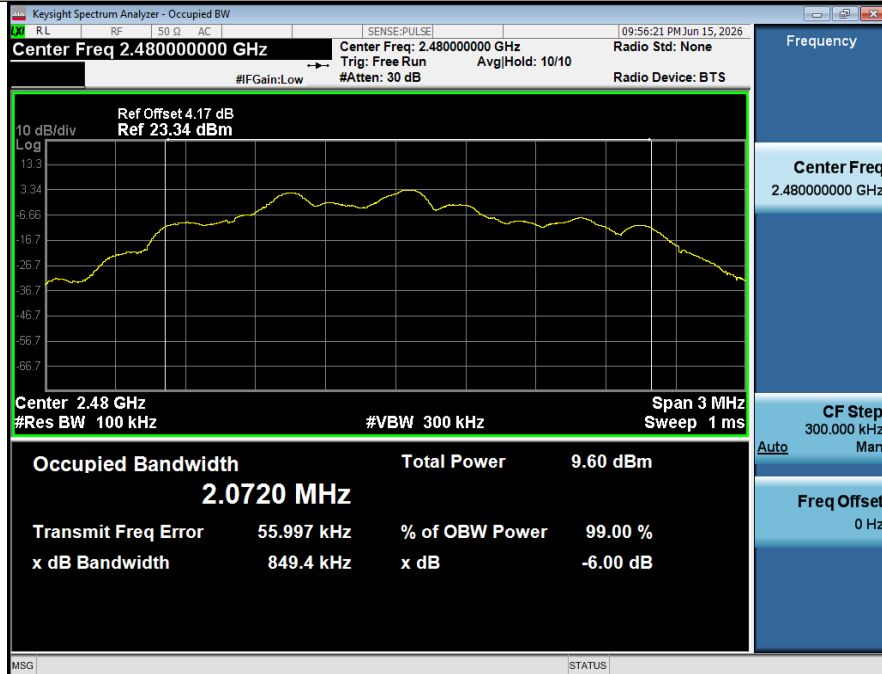
-6dB_Bandwidth_NVNT_ANT1_2Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_2Mbps_2440



-6dB_Bandwidth_NVNT_ANT1_2Mbps_2480



Appendix A.2: Test Results of 99% Bandwidth

Test Result

Condition	Antenna	Rate	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	1Mbps	2402.00	1.031
NVNT	ANT1	1Mbps	2440.00	1.036
NVNT	ANT1	1Mbps	2480.00	1.037
NVNT	ANT1	2Mbps	2402.00	2.032
NVNT	ANT1	2Mbps	2440.00	2.032
NVNT	ANT1	2Mbps	2480.00	2.028

Test Graphs

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402



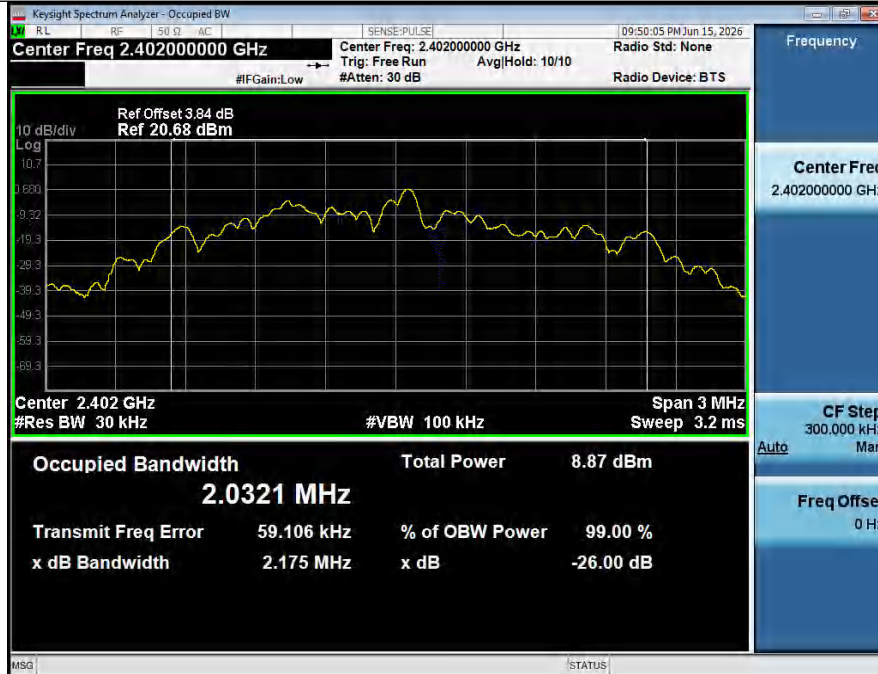
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440



99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480



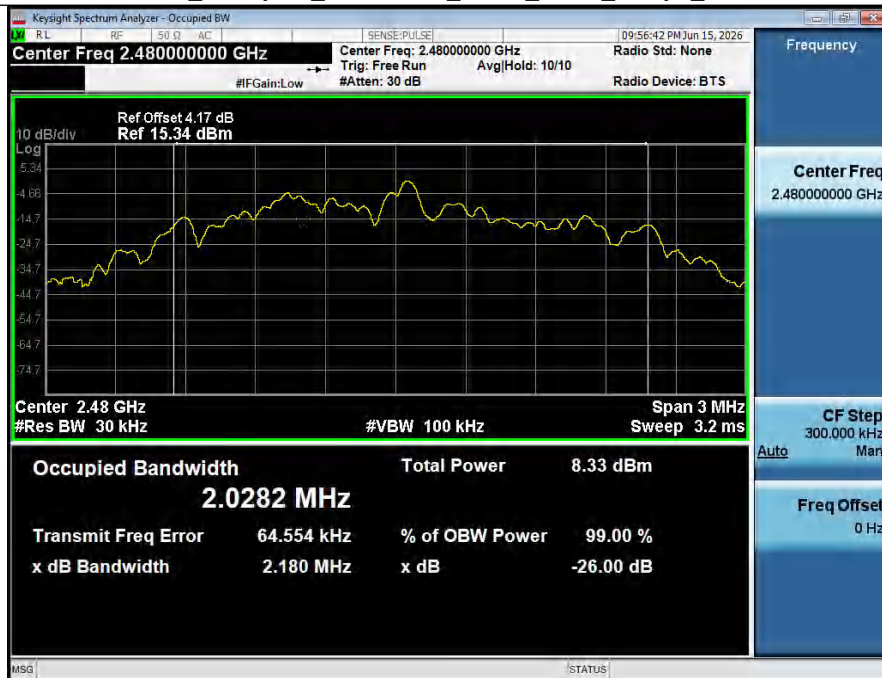
99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2402



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2440



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2480



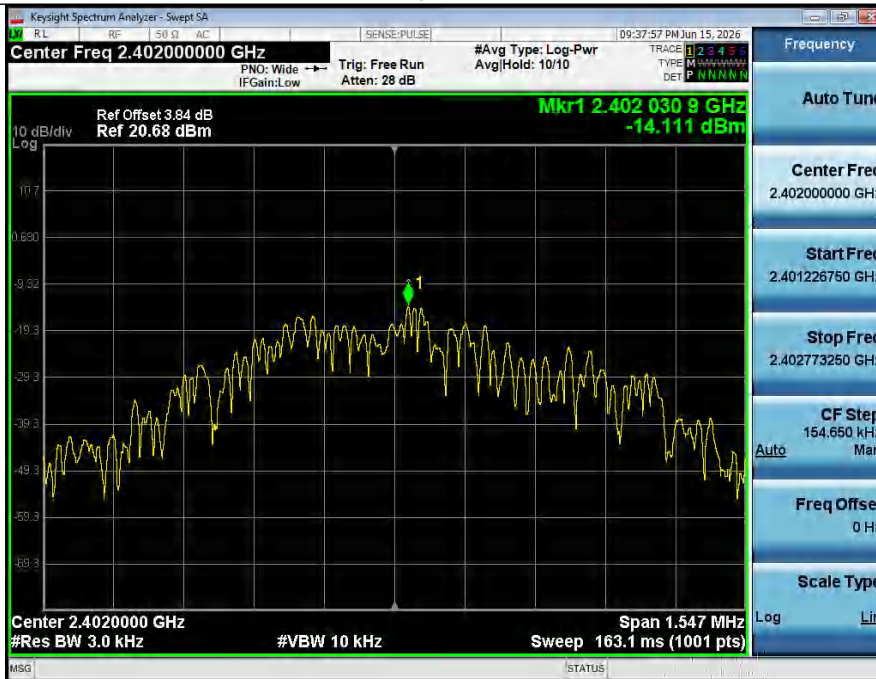
Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

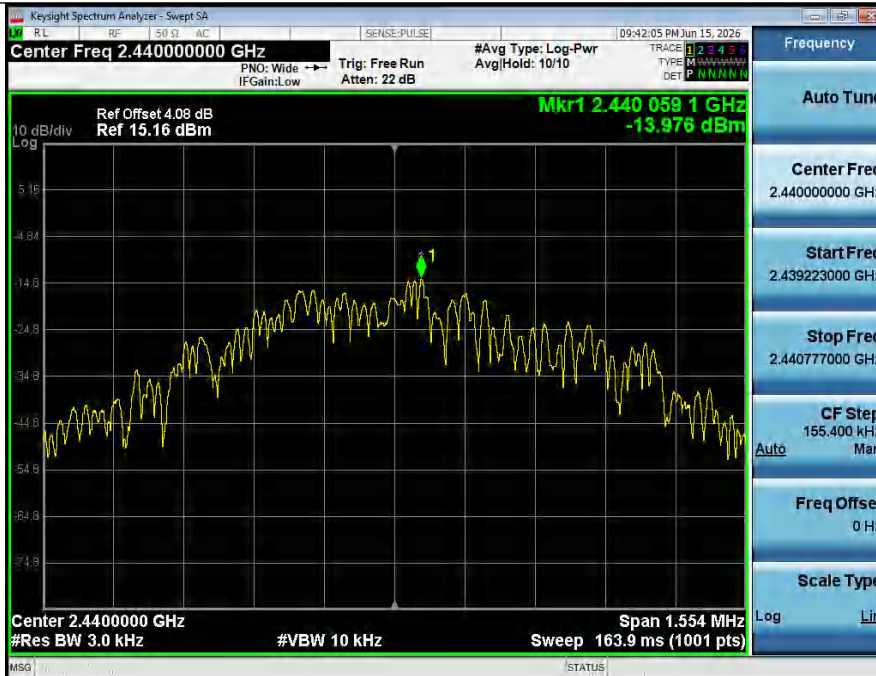
Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-14.11	8	Pass
NVNT	ANT1	1Mbps	2440.00	-13.98	8	Pass
NVNT	ANT1	1Mbps	2480.00	-14.89	8	Pass
NVNT	ANT1	2Mbps	2402.00	-16.28	8	Pass
NVNT	ANT1	2Mbps	2440.00	-16.13	8	Pass
NVNT	ANT1	2Mbps	2480.00	-16.21	8	Pass

Test Graphs

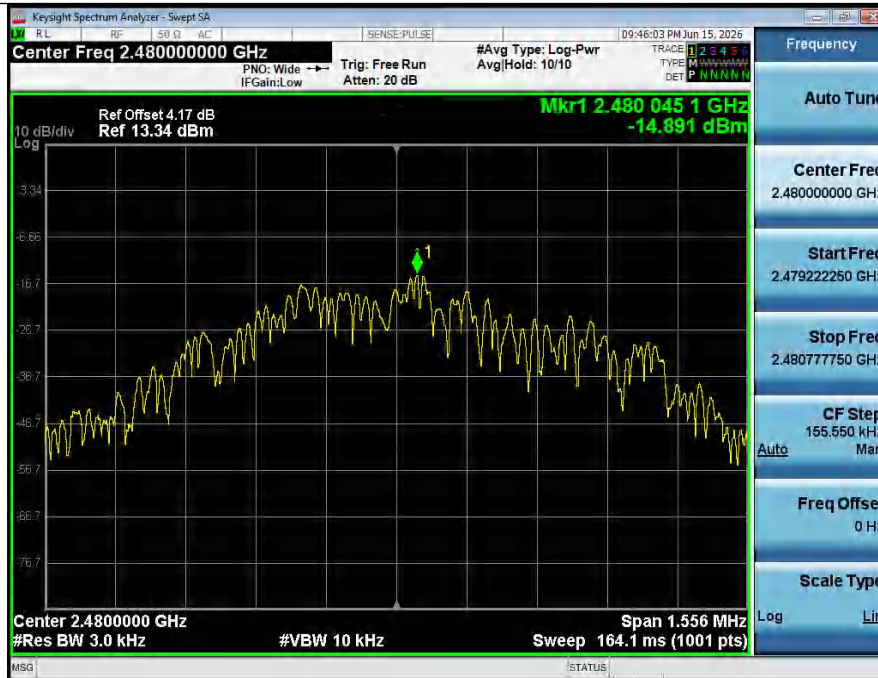
Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



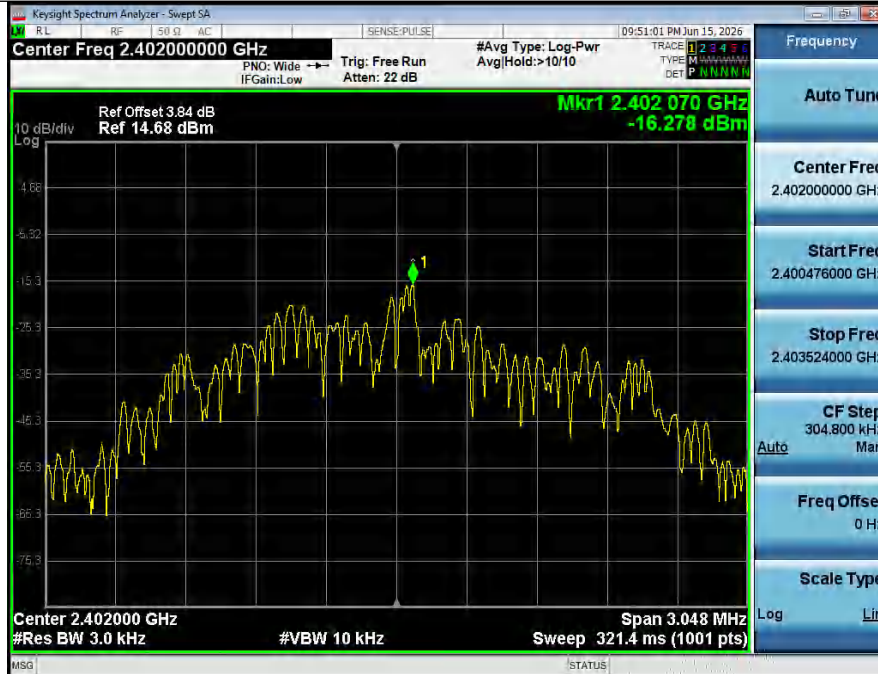
Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



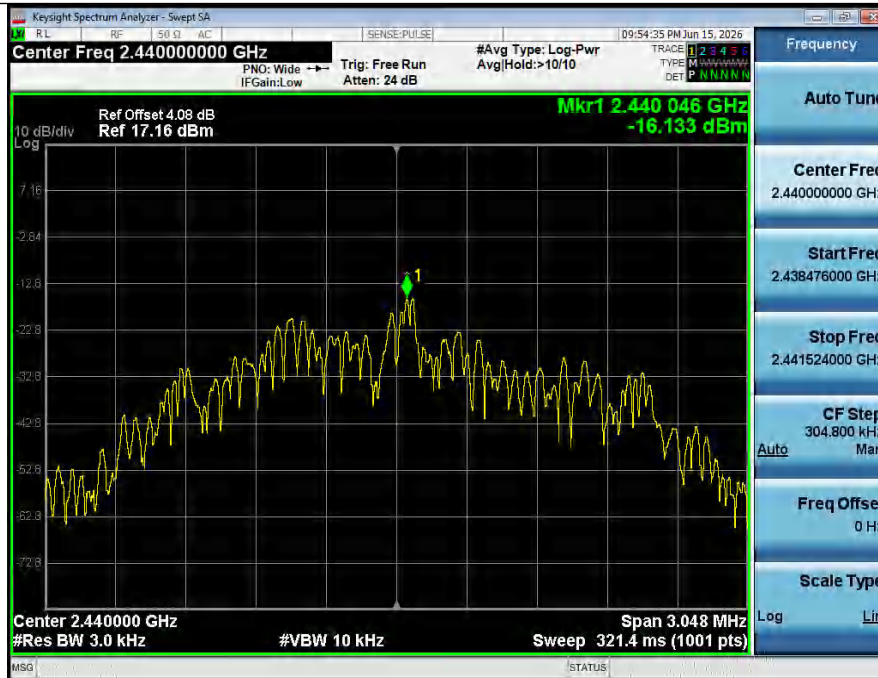
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



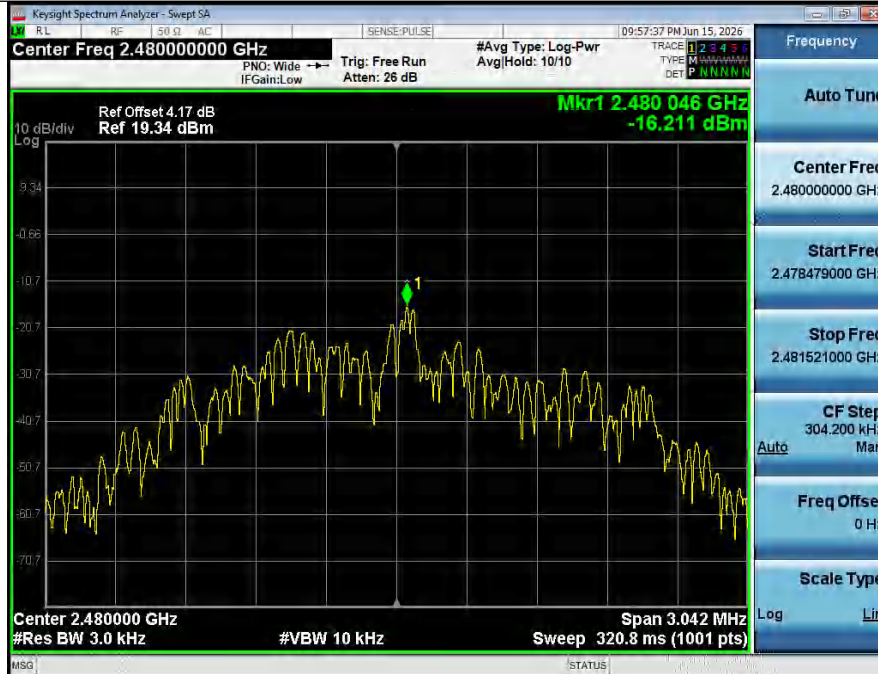
Power_Spectral_Density_NVNT_ANT1_2Mbps_2402



Power_Spectral_Density_NVNT_ANT1_2Mbps_2440



Power_Spectral_Density_NVNT_ANT1_2Mbps_2480



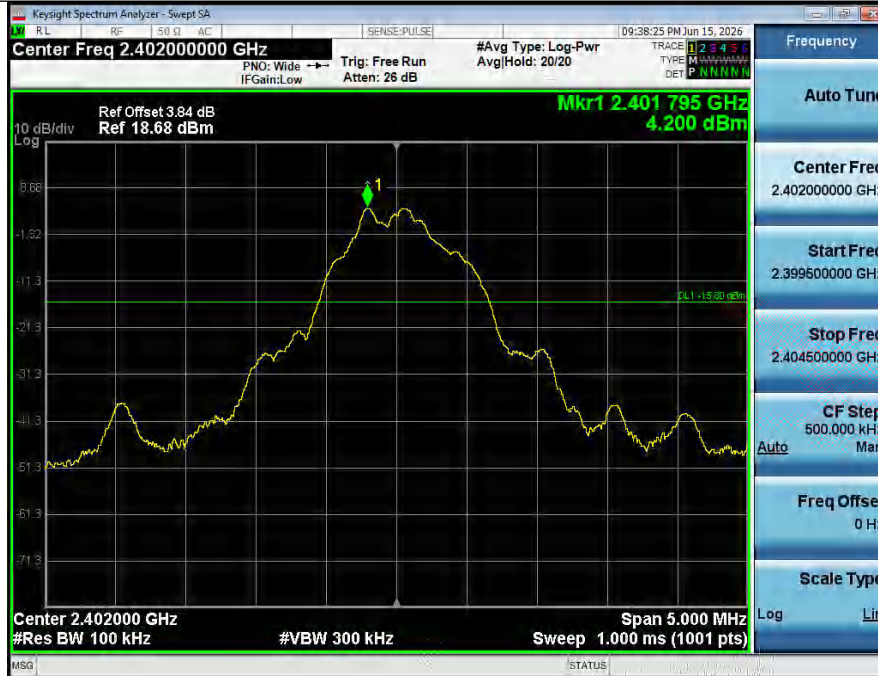
Appendix A.4: Test Results of Band Edge Measurements

Test Result

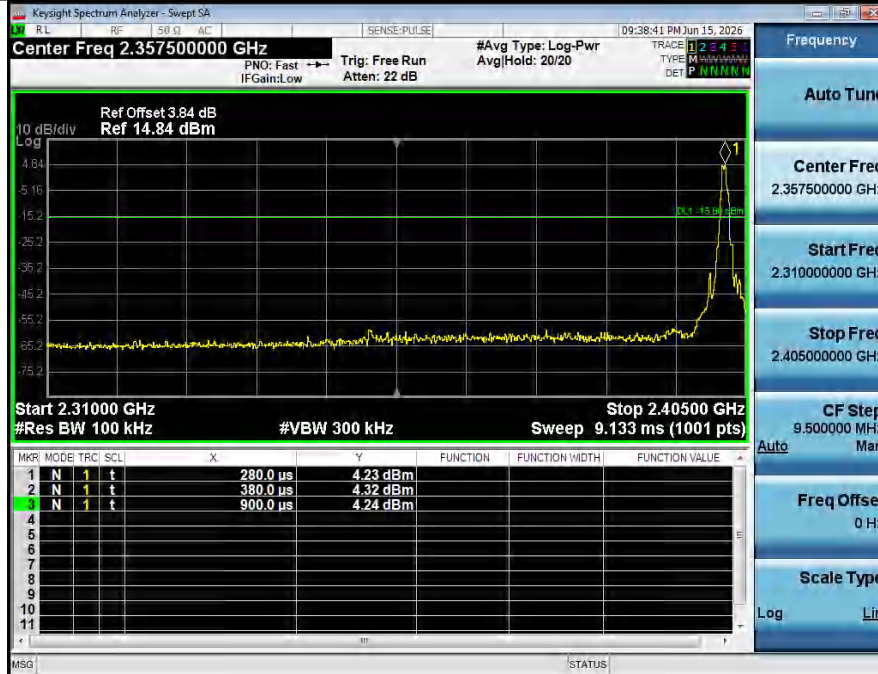
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	4.200	-38.670	-15.800	Pass
NVNT	ANT1	1Mbps	2480.00	2483.775	3.369	-54.828	-16.631	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	4.153	-29.472	-15.847	Pass
NVNT	ANT1	2Mbps	2480.00	2485.500	3.366	-47.459	-16.634	Pass

Test Graphs

1_Reference_Level_NVNT_ANT1_1Mbps_2402



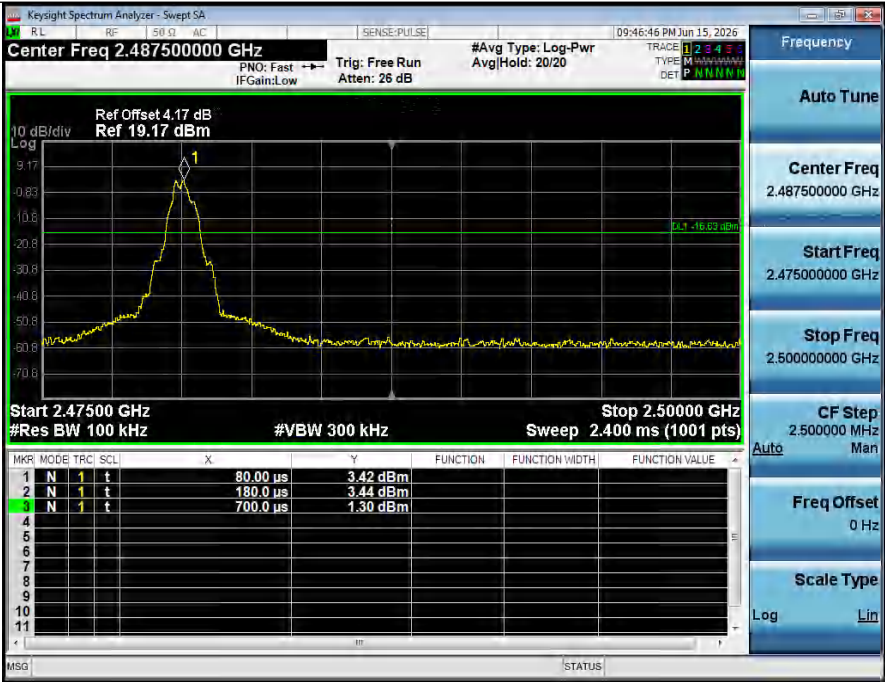
2_Bandedge_NVNT_ANT1_1Mbps_2402



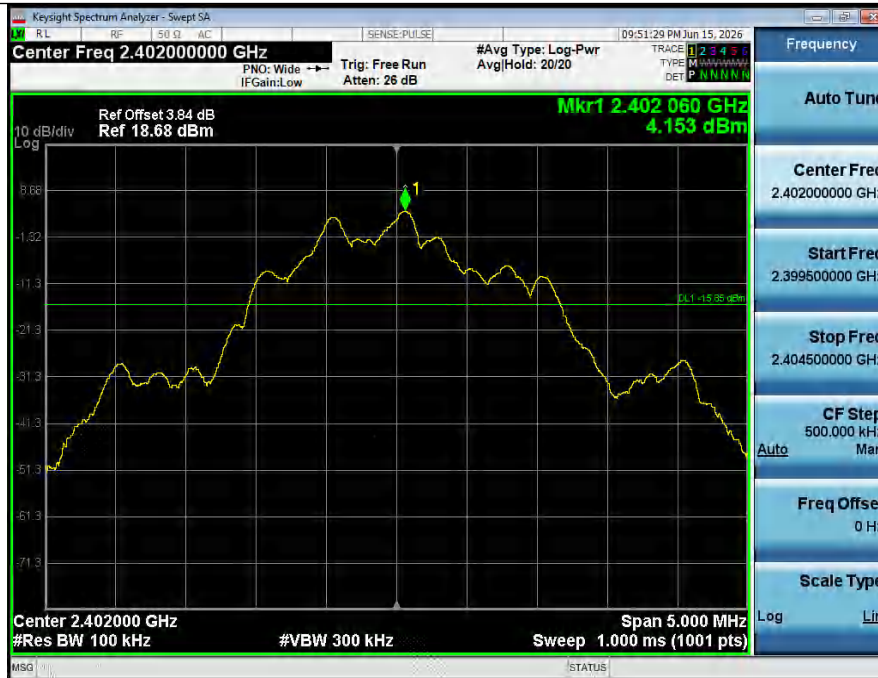
1_Reference_Level_NVNT_ANT1_1Mbps_2480



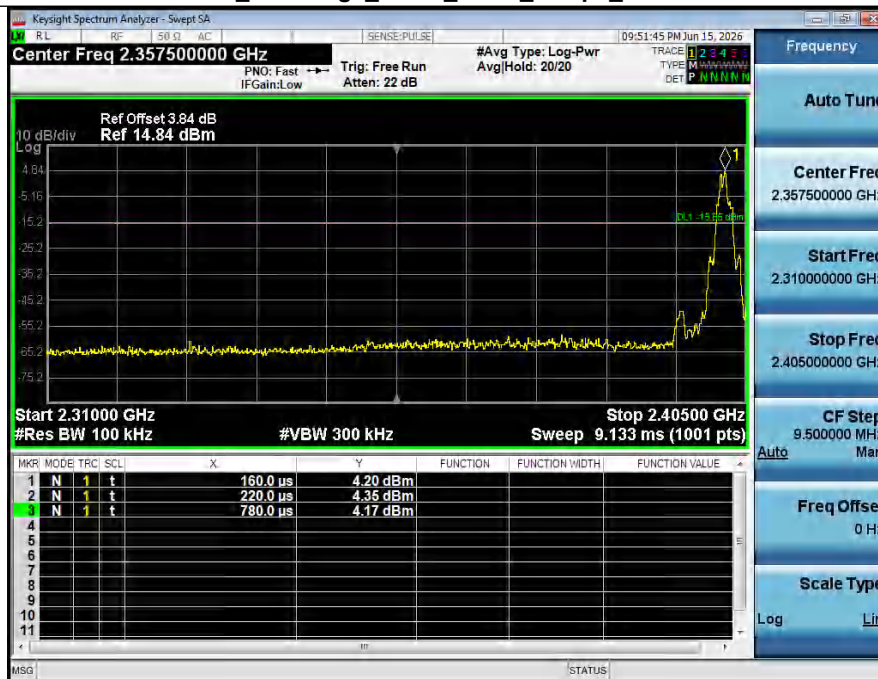
2_Bandedge_NVNT_ANT1_1Mbps_2480



1_Reference_Level_NVNT_ANT1_2Mbps_2402



2_Bandedge_NVNT_ANT1_2Mbps_2402



1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Bandedge_NVNT_ANT1_2Mbps_2480



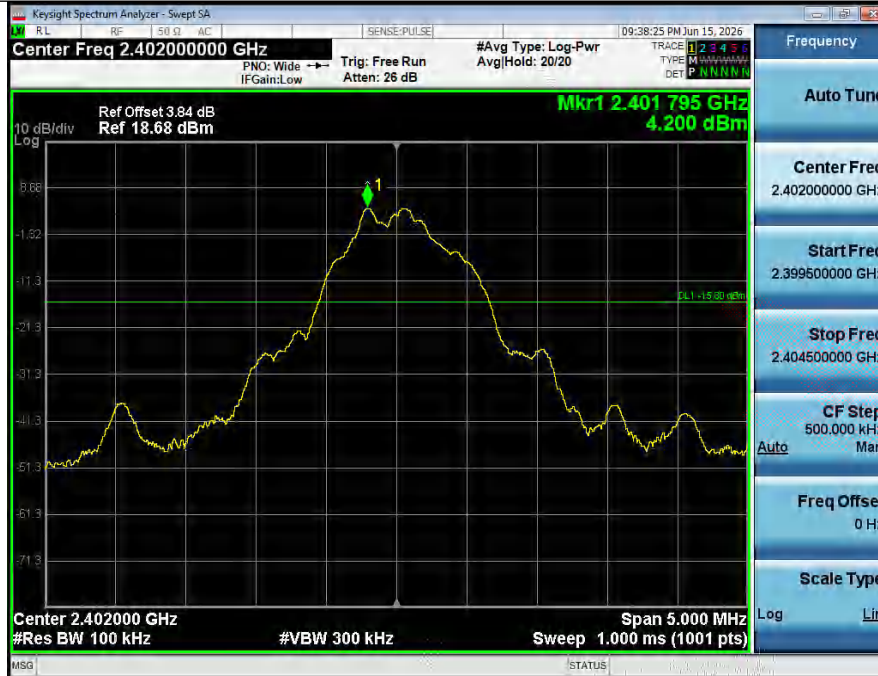
Appendix A.5: Test Results of Conducted Spurious Emission

Test Result

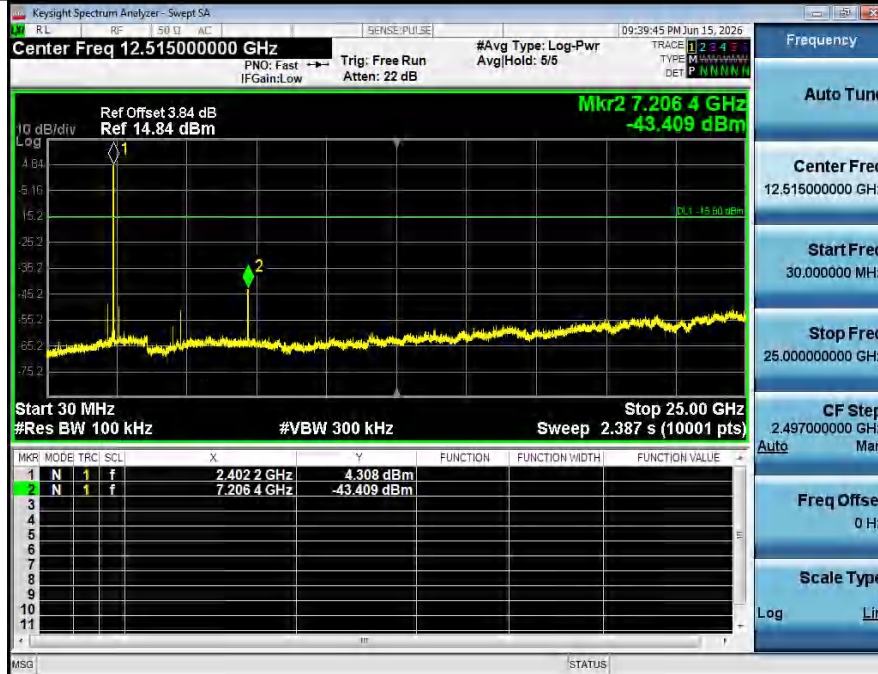
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	4.200	-43.409	-15.800	Pass
NVNT	ANT1	1Mbps	2440.00	4.157	-41.001	-15.843	Pass
NVNT	ANT1	1Mbps	2480.00	3.369	-44.687	-16.631	Pass
NVNT	ANT1	2Mbps	2402.00	4.153	-39.600	-15.847	Pass
NVNT	ANT1	2Mbps	2440.00	4.115	-45.689	-15.885	Pass
NVNT	ANT1	2Mbps	2480.00	3.366	-44.679	-16.634	Pass

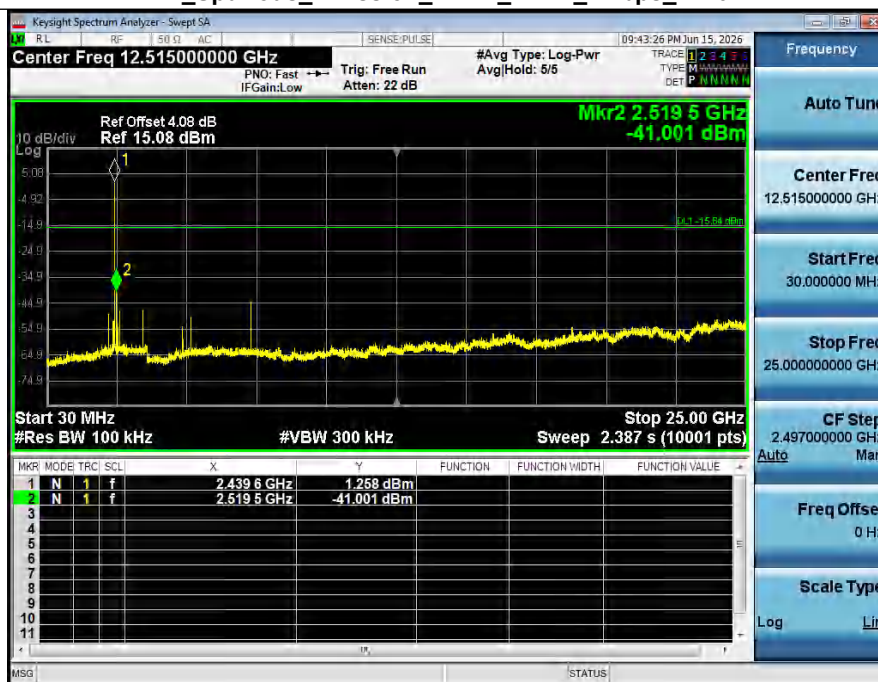
Test Graphs

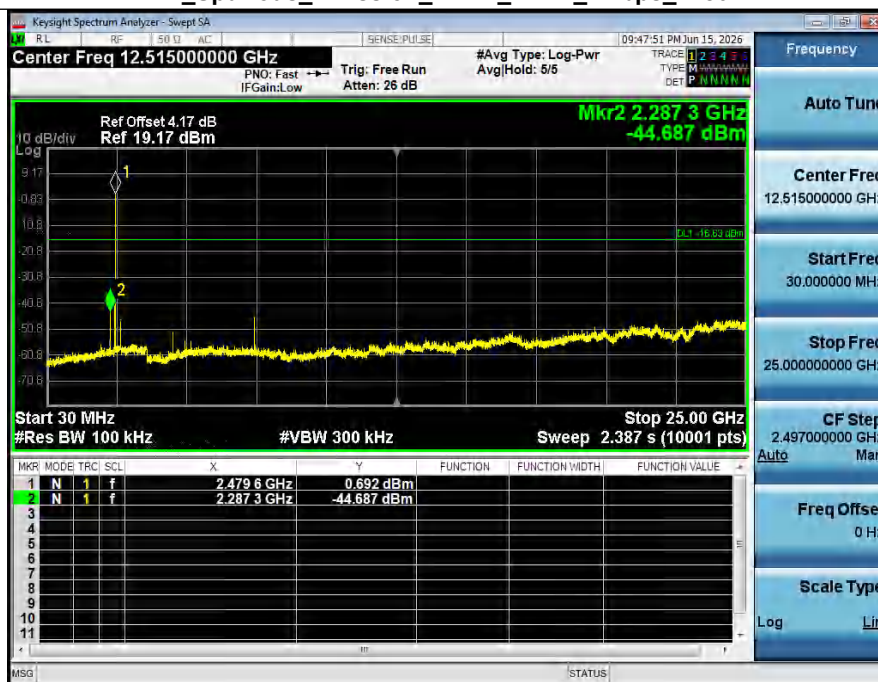
1_Reference_Level_NVNT_ANT1_1Mbps_2402



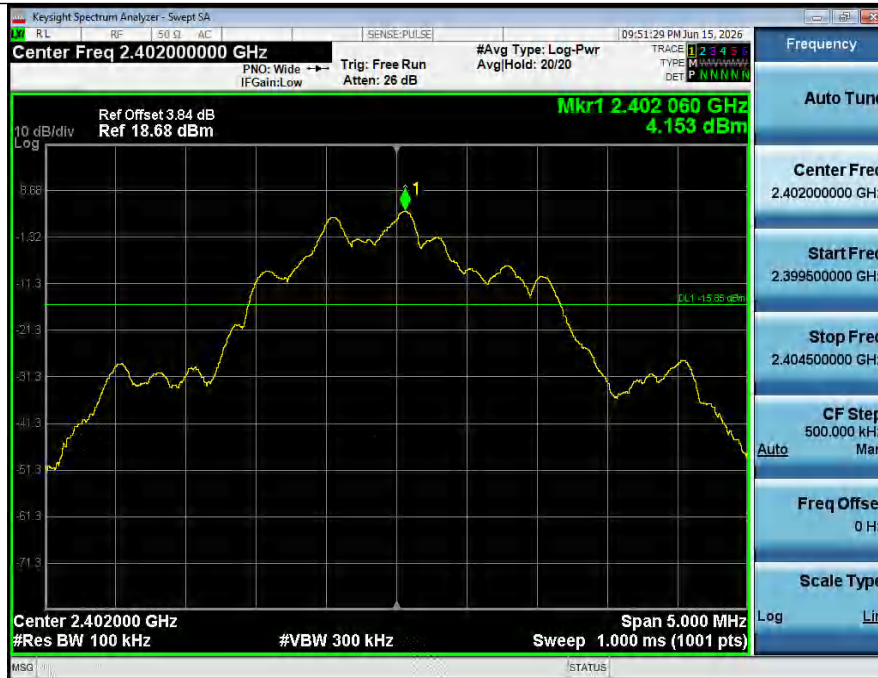
2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



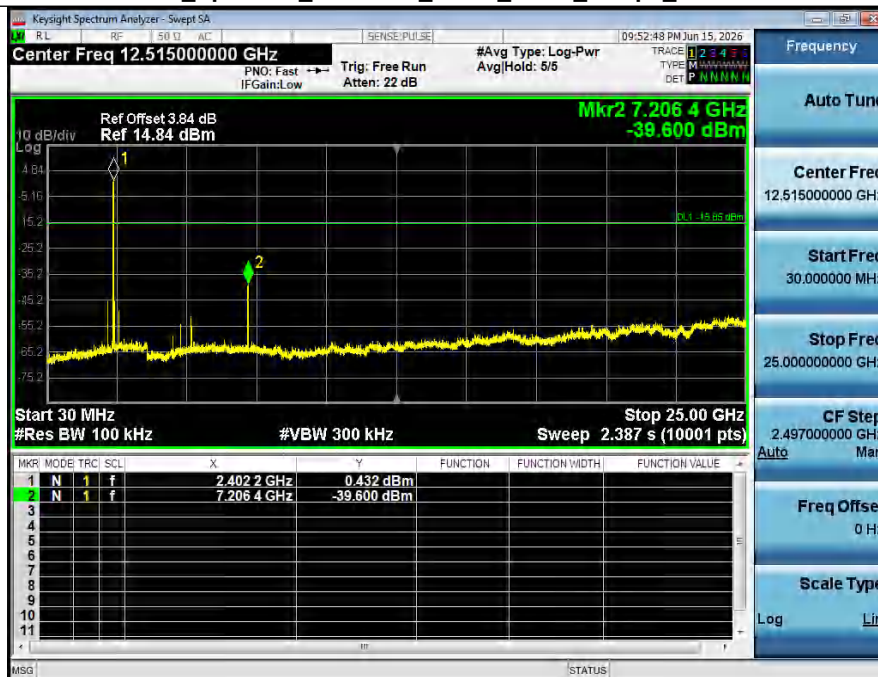




1_Reference_Level_NVNT_ANT1_2Mbps_2402



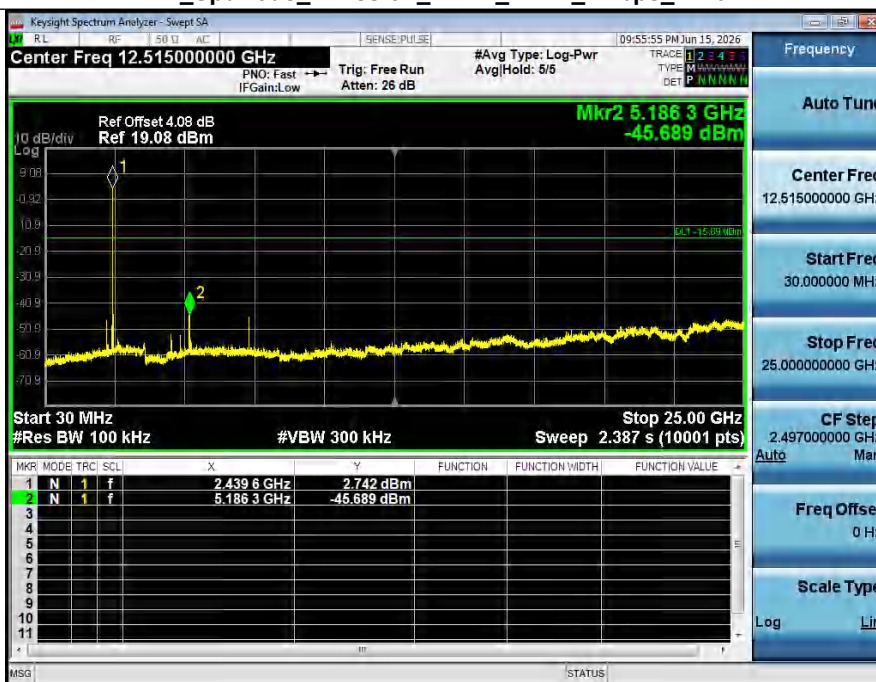
2_Spurious_Emission_NVNT_ANT1_2Mbps_2402

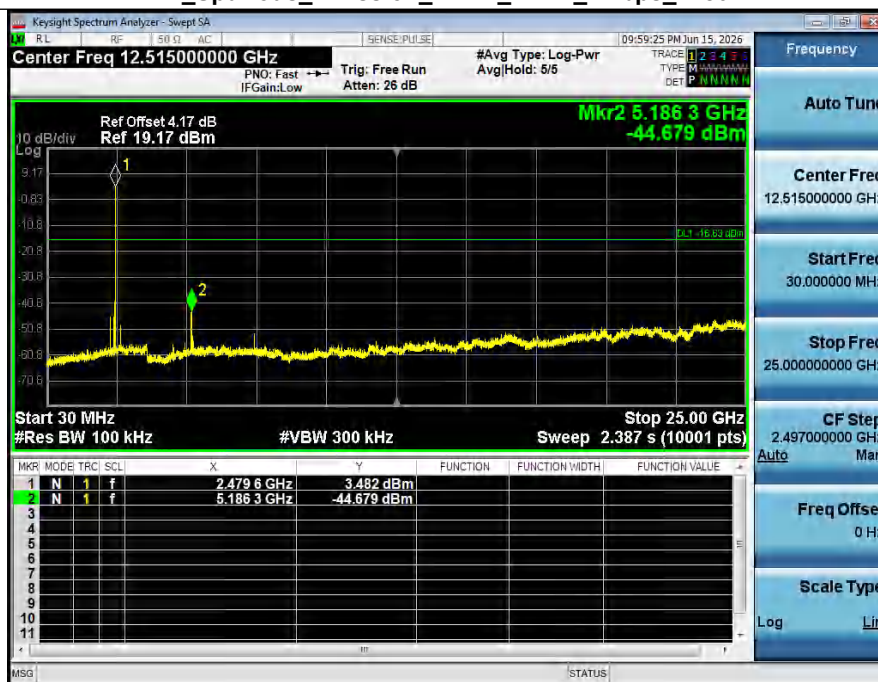


1	Reference_Level	NVNT	ANT1	2Mbps	2440
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2_Spurious_Emission_NVNT_ANT1_2Mbps_2440





Appendix A.6: Test Results of Radiated Spurious Emissions

Note:

- 1) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

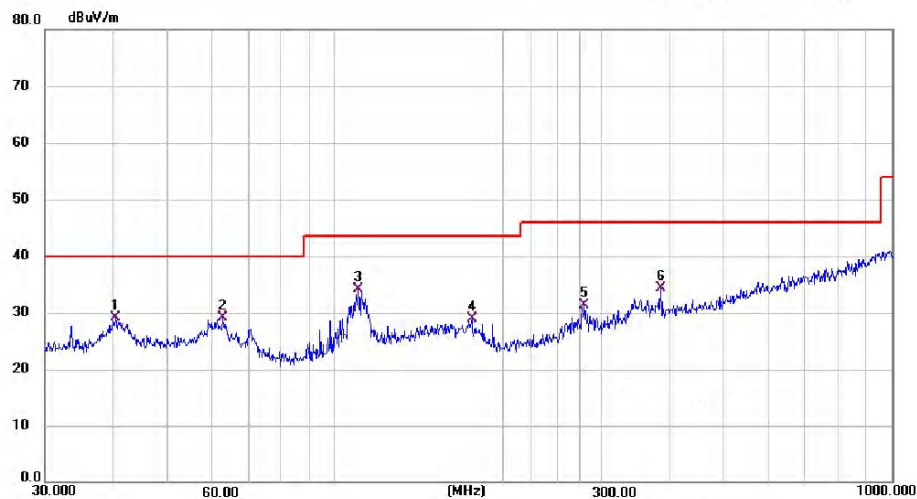


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 24 °C
EUT: Wireless Microphone Pair Distance: 3m Humidity: 56 %RH
M/N: NS-PSMCPAIR Test Engineer: Jeffrey
Test Mode: BLE 1M 2402
Test Voltage: Battery
Note:

Radiated Emission Measurement

Test Date: 2026/6/17 19:03:09



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	40.1347	14.75	14.27	29.02	40.00	-10.98	QP	100	216	P	
2	62.8706	16.46	12.72	29.18	40.00	-10.82	QP	100	159	P	
3 *	109.9886	22.02	12.01	34.03	43.50	-9.47	QP	100	144	P	
4	175.8822	15.42	13.47	28.89	43.50	-14.61	QP	100	180	P	
5	280.1465	16.70	14.51	31.21	46.00	-14.79	QP	100	68	P	
6	384.1000	16.96	17.25	34.21	46.00	-11.79	QP	100	315	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风 30M-1G\Data :#1

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 1M 2402
Test Voltage: Battery
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 19:12:21



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	99.0060	21.51	10.89	32.40	43.50	-11.10	QP	200	277	P	
2	173.4330	15.40	13.83	29.23	43.50	-14.27	QP	200	182	P	
3	277.2150	21.65	14.40	36.05	46.00	-9.95	QP	200	159	P	
4	352.4793	17.19	16.62	33.81	46.00	-12.19	QP	200	107	P	
5	567.3677	13.15	21.40	34.55	46.00	-11.45	QP	200	249	P	
6 *	734.8133	13.97	24.31	38.28	46.00	-7.72	QP	200	195	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风 30M-1G\Data :#2

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 1M 2480
Test Voltage: Battery
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 19:19:04



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	102.0013	21.49	11.17	32.66	43.50	-10.84	QP	200	248	P	
2	168.9309	13.69	14.42	28.11	43.50	-15.39	QP	200	195	P	
3	280.2694	20.33	14.52	34.85	46.00	-11.15	QP	200	162	P	
4	345.2923	17.57	16.45	34.02	46.00	-11.98	QP	200	271	P	
5	449.7530	12.91	19.13	32.04	46.00	-13.96	QP	200	180	P	
6 *	636.9709	12.57	22.75	35.32	46.00	-10.68	QP	200	155	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风 30M-1G\Data :#3

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 1M 2480
Test Voltage: Battery
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 19:27:15



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	36.3973	15.14	13.76	28.90	40.00	-11.10	QP	100	153	P	
2 *	49.9470	16.77	13.74	30.51	40.00	-9.49	QP	100	218	P	
3	70.5524	16.14	11.30	27.44	40.00	-12.56	QP	100	190	P	
4	111.4444	21.77	12.18	33.95	43.50	-9.55	QP	100	282	P	
5	270.7305	18.58	14.16	32.74	46.00	-13.26	QP	100	128	P	
6	349.5561	17.42	16.56	33.98	46.00	-12.02	QP	100	271	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风 30M-1G\Data :#4

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 2M 2402
Test Voltage: Battery
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 19:34:15



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	39.2129	15.56	14.17	29.73	40.00	-10.27	QP	100	179	P	
2	61.1850	15.66	13.03	28.69	40.00	-11.31	QP	100	215	P	
3 *	109.9886	22.02	12.01	34.03	43.50	-9.47	QP	100	288	P	
4	175.8822	14.92	13.47	28.39	43.50	-15.11	QP	100	106	P	
5	280.1465	16.20	14.51	30.71	46.00	-15.29	QP	100	274	P	
6	384.1000	16.46	17.25	33.71	46.00	-12.29	QP	100	172	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风 30M-1G\Data :#5

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 2M 2402
Test Voltage: Battery
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 19:41:27



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	94.0151	21.71	10.54	32.25	43.50	-11.25	QP	200	316	P	
2	111.7870	16.00	12.22	28.22	43.50	-15.28	QP	200	275	P	
3	149.7480	13.30	15.20	28.50	43.50	-15.00	QP	200	206	P	
4	173.4330	14.90	13.83	28.73	43.50	-14.77	QP	200	104	P	
5 *	266.1419	20.79	13.97	34.76	46.00	-11.24	QP	200	215	P	
6	352.4793	17.19	16.62	33.81	46.00	-12.19	QP	200	281	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风 30M-1G\Data :#6

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 2M 2480
Test Voltage: Battery
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 19:49:32



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	102.0013	22.99	11.17	34.16	43.50	-9.34	QP	200	105	P	
2	168.9309	13.69	14.42	28.11	43.50	-15.39	QP	200	199	P	
3	272.7553	19.10	14.23	33.33	46.00	-12.67	QP	200	215	P	
4	345.2923	17.57	16.45	34.02	46.00	-11.98	QP	200	263	P	
5	449.7530	12.91	19.13	32.04	46.00	-13.96	QP	200	179	P	
6	594.8720	13.29	21.96	35.25	46.00	-10.75	QP	200	310	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风 30M-1G\Data :#7

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 2M 2480
Test Voltage: Battery
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 19:56:41



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	36.3973	15.14	13.76	28.90	40.00	-11.10	QP	100	159	P	
2 *	49.9470	17.27	13.74	31.01	40.00	-8.99	QP	100	216	P	
3	70.5524	15.64	11.30	26.94	40.00	-13.06	QP	100	184	P	
4	111.4444	21.77	12.18	33.95	43.50	-9.55	QP	100	199	P	
5	270.7305	18.08	14.16	32.24	46.00	-13.76	QP	100	306	P	
6	349.5561	16.92	16.56	33.48	46.00	-12.52	QP	100	271	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风 30M-1G\Data :#8

Page: 1

Engineer Signature:

1GHz - 18GHz

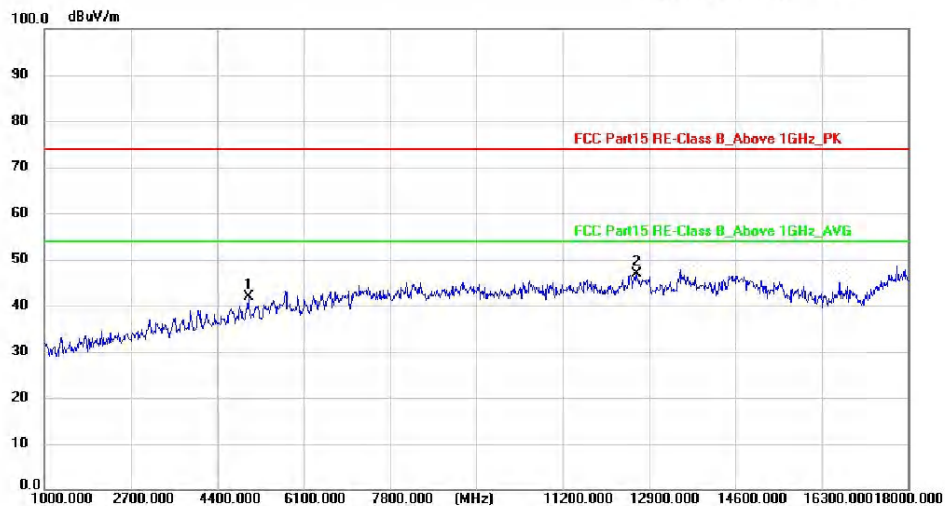


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Wireless Microphone Pair	Distance: 3m	Humidity: 54 %RH
M/N: NS-PSMCPAIR	Test Engineer: Jeffrey	
Test Mode: BLE 1M 2402		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/18 18:01:16



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	5014.125	63.57	-21.77	41.80	74.00	-32.20	peak	150	218	P	
2 *	12672.625	60.98	-14.13	46.85	74.00	-27.15	peak	150	139	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风1G-18G\Data :#1

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

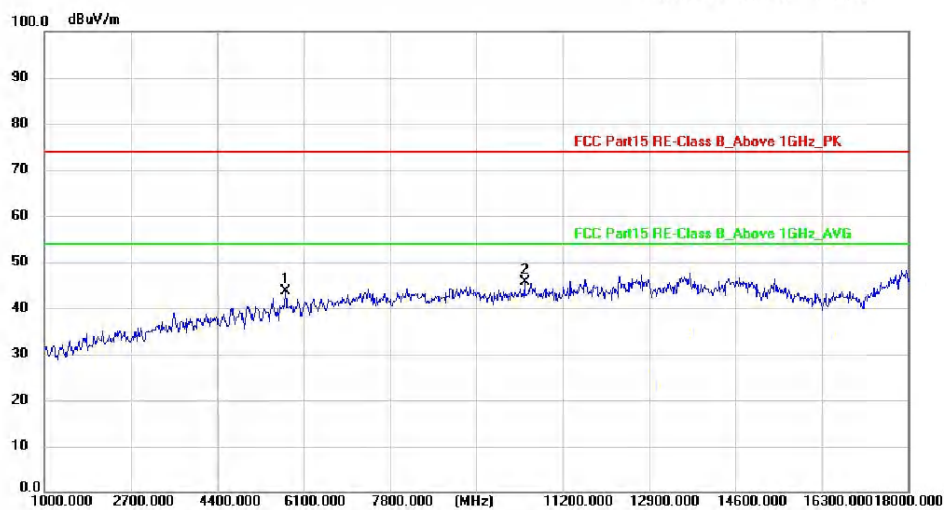
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 1M 2402
Test Voltage: Battery
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/18 18:09:35



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	5743.000	63.84	-20.25	43.59	74.00	-30.41	peak	150	215	P	
2 *	10460.500	61.31	-15.62	45.69	74.00	-28.31	peak	150	64	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风1G-18G\Data :#2

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

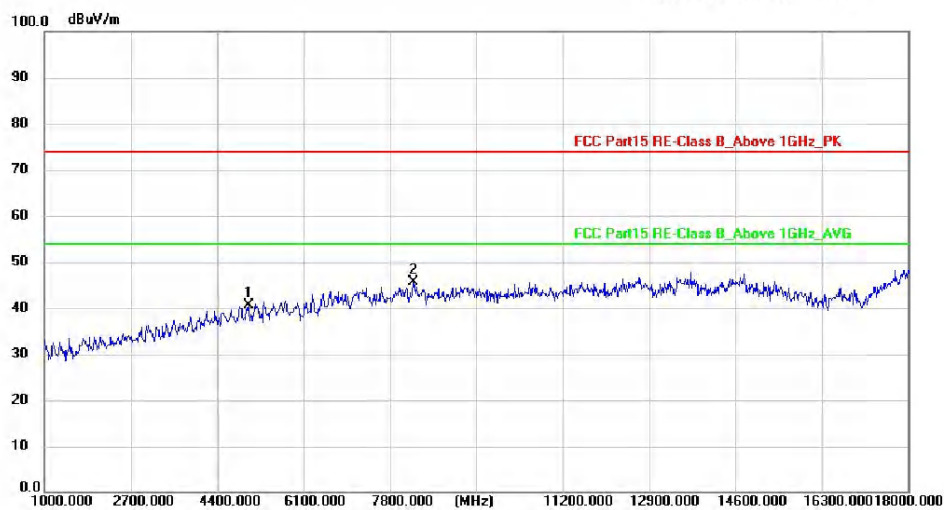
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 1M 2480
Test Voltage: Battery
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/18 18:16:44



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	5016.250	62.33	-21.77	40.56	74.00	-33.44	peak	150	132	P	
2 *	8259.000	62.33	-16.68	45.65	74.00	-28.35	peak	150	89	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风1G-18G\Data :#3

Page: 1

Engineer Signature:

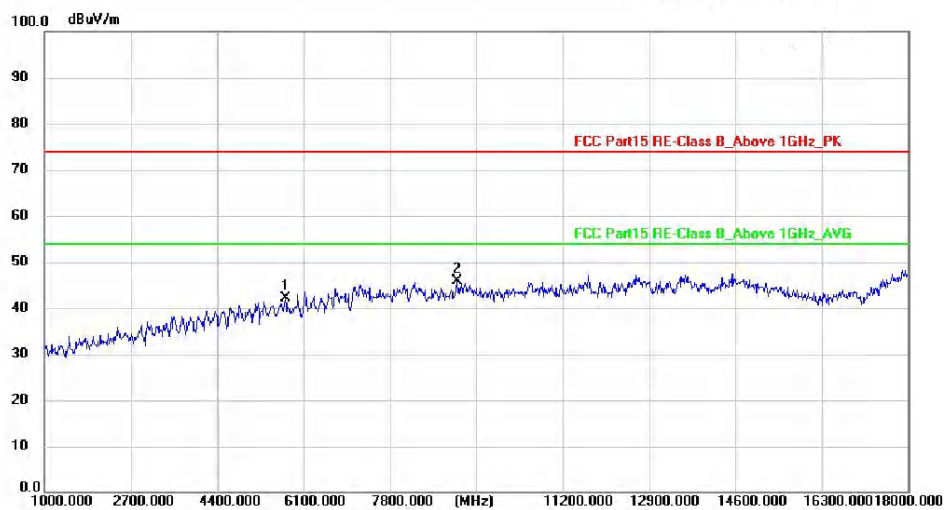


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Wireless Microphone Pair	Distance: 3m	Humidity: 54 %RH
M/N: NS-PSMCPAIR	Test Engineer: Jeffrey	
Test Mode: BLE 1M 2480		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/18 18:24:18



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	5747.250	62.34	-20.25	42.09	74.00	-31.91	peak	150	182	P	
2 *	9128.125	62.42	-16.43	45.99	74.00	-28.01	peak	150	214	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风1G-18G\Data :#4

Page: 1

Engineer Signature:

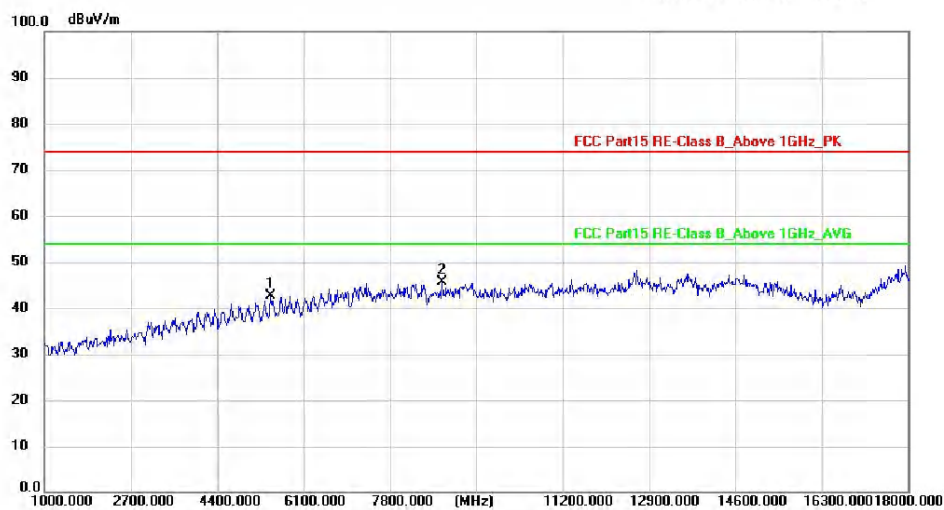


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Wireless Microphone Pair	Distance: 3m	Humidity: 54 %RH
M/N: NS-PSMCPAIR	Test Engineer: Jeffrey	
Test Mode: BLE 2M 2402		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/18 18:31:30



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	5462.500	63.36	-20.84	42.52	74.00	-31.48	peak	150	109	P	
2 *	8826.375	62.12	-16.53	45.59	74.00	-28.41	peak	150	313	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风1G-18G\Data :#5

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

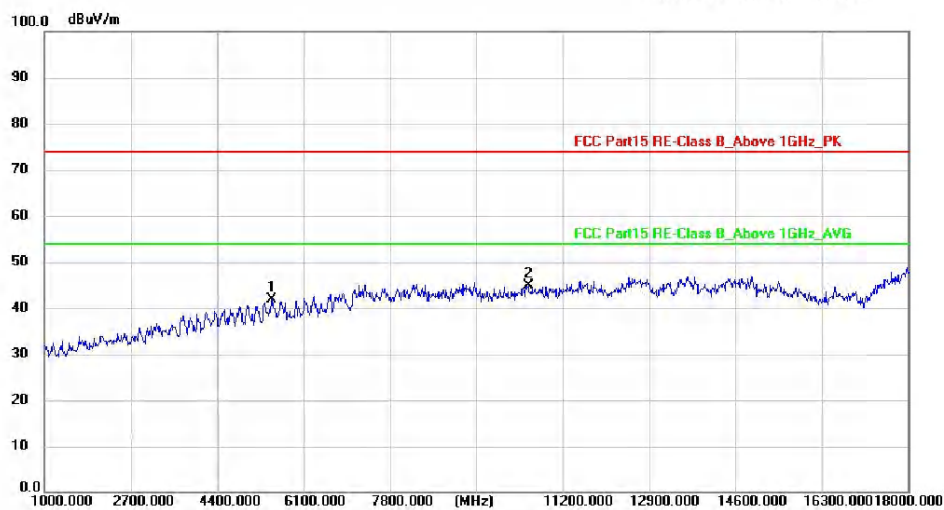
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 2M 2402
Test Voltage: Battery
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/18 18:38:52



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	5479.500	62.60	-20.80	41.80	74.00	-32.20	peak	150	158	P	
2 *	10526.375	60.42	-15.55	44.87	74.00	-29.13	peak	150	141	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风1G-18G\Data :#6

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

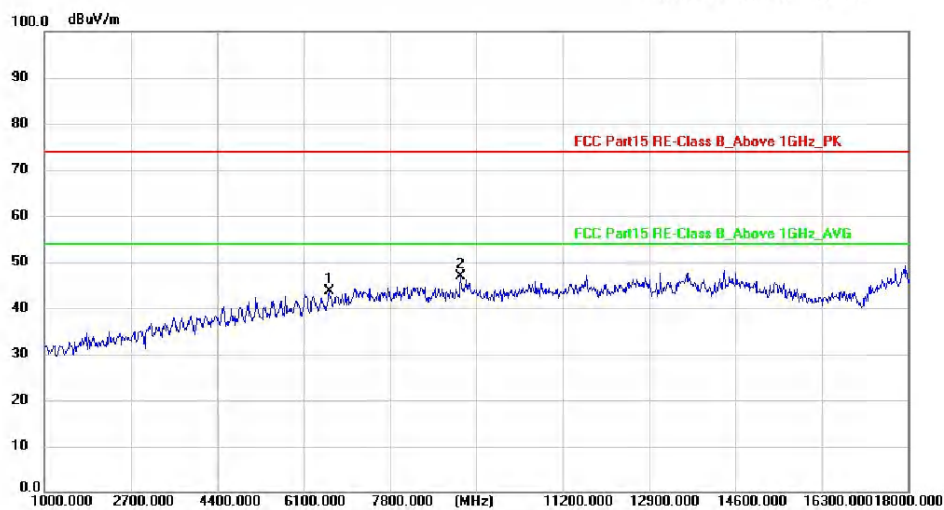
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 2M 2480
Test Voltage: Battery
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/18 18:45:23



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	6620.625	61.79	-18.28	43.51	74.00	-30.49	peak	150	193	P	
2 *	9206.750	63.40	-16.41	46.99	74.00	-27.01	peak	150	214	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风1G-18G\Data :#7

Page: 1

Engineer Signature:

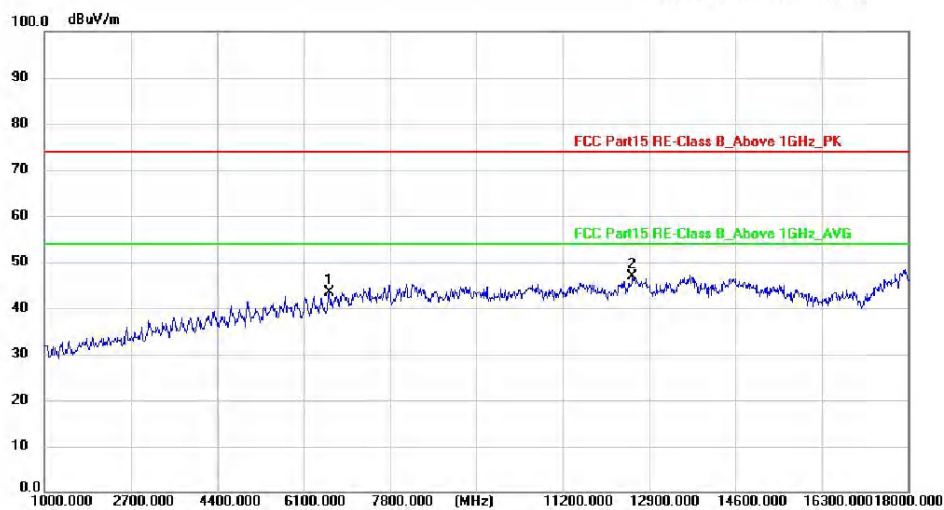


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Wireless Microphone Pair	Distance: 3m	Humidity: 54 %RH
M/N: NS-PSMCPAIR	Test Engineer: Jeffrey	
Test Mode: BLE 2M 2480		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/18 18:53:32



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	6620.625	61.75	-18.28	43.47	74.00	-30.53	peak	150	115	P	
2 *	12579.125	61.03	-14.21	46.82	74.00	-27.18	peak	150	278	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风1G-18G\Data :#8

Page: 1

Engineer Signature:

Appendix A.7: Test Results of Radiated Emissions in Restricted Bands

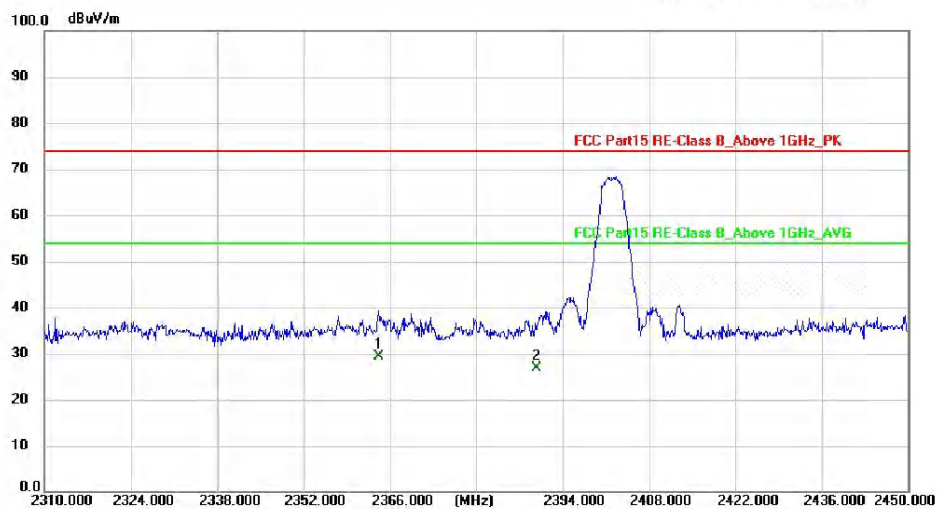


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Wireless Microphone Pair	Distance: 3m	Humidity: 54 %RH
M/N: NS-PSMCPAIR	Test Engineer: Jeffrey	
Test Mode: BLE1M 2402		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/22 20:49:34



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2364.285	53.38	-23.97	29.41	54.00	-24.59	AVG	150	181	P	
2	2390.000	50.80	-23.89	26.91	54.00	-27.09	AVG	150	215	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风-BD\Data :#1

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

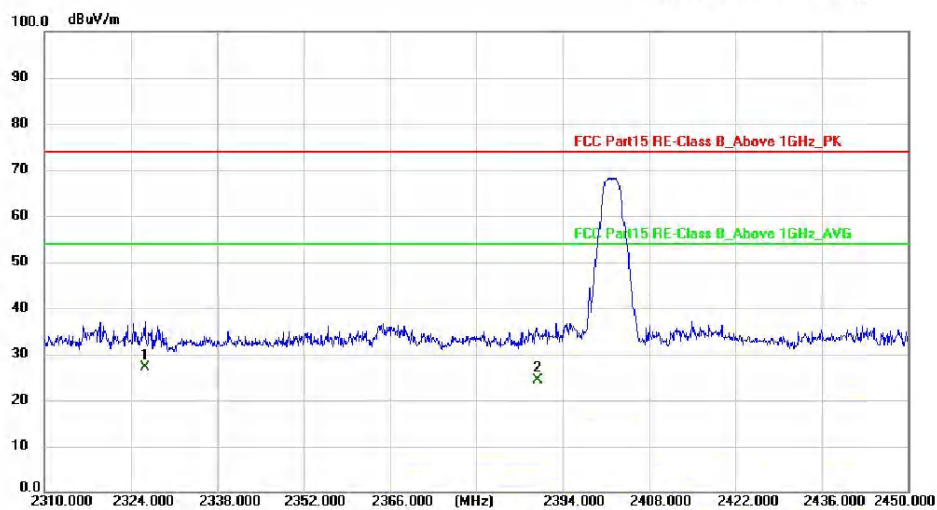
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE1M 2402
Test Voltage: Battery
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/22 20:56:34



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2326.310	51.18	-24.10	27.08	54.00	-26.92	AVG	150	209	P	
2	2390.000	48.31	-23.89	24.42	54.00	-29.58	AVG	150	162	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风-BD\Data :#2

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

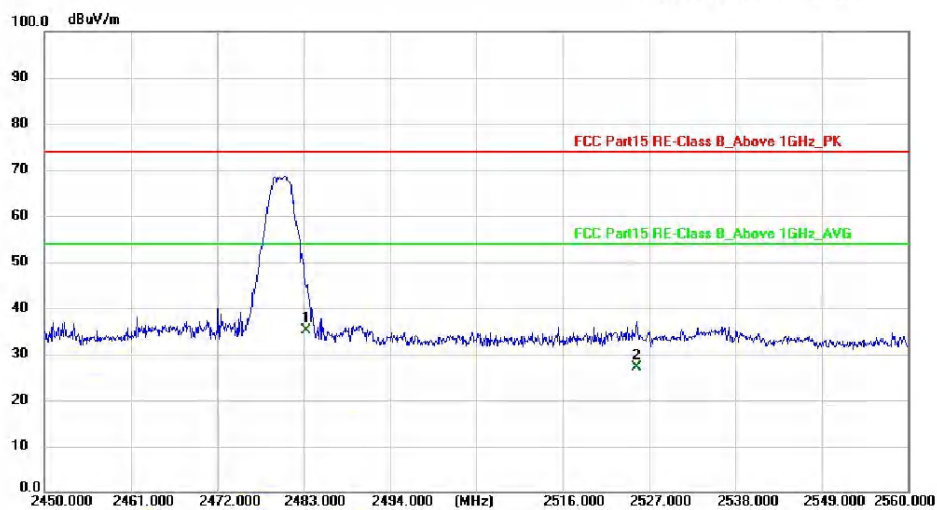
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE1M 2480
Test Voltage: Battery
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/22 21:05:46



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2483.500	58.74	-23.58	35.16	54.00	-18.84	AVG	150	317	P	
2	2525.556	50.53	-23.45	27.08	54.00	-26.92	AVG	150	89	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风-BD\Data :#3

Page: 1

Engineer Signature:

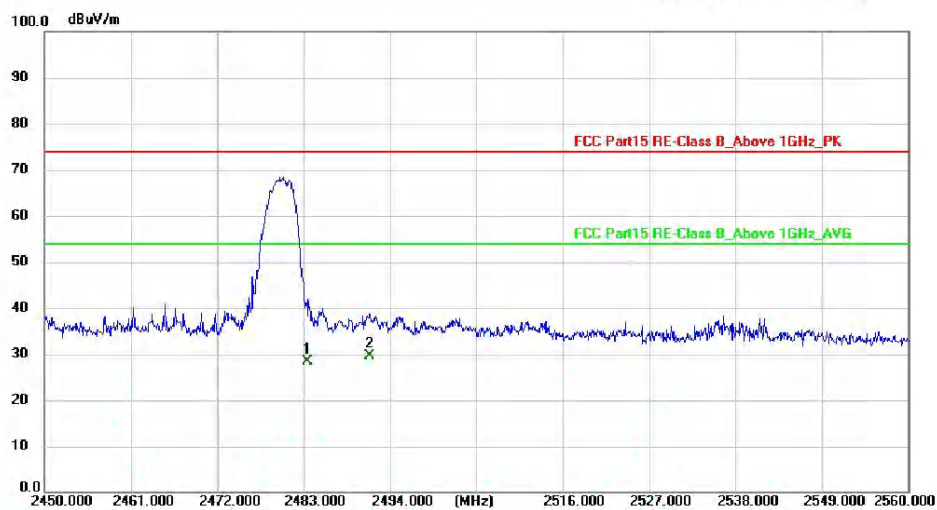


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Wireless Microphone Pair	Distance: 3m	Humidity: 54 %RH
M/N: NS-PSMCPAIR	Test Engineer: Jeffrey	
Test Mode: BLE1M 2480		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/22 21:12:39



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	51.98	-23.58	28.40	54.00	-25.60	AVG	150	269	P	
2 *	2491.525	53.14	-23.56	29.58	54.00	-24.42	AVG	150	154	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风-BD\Data :#4

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

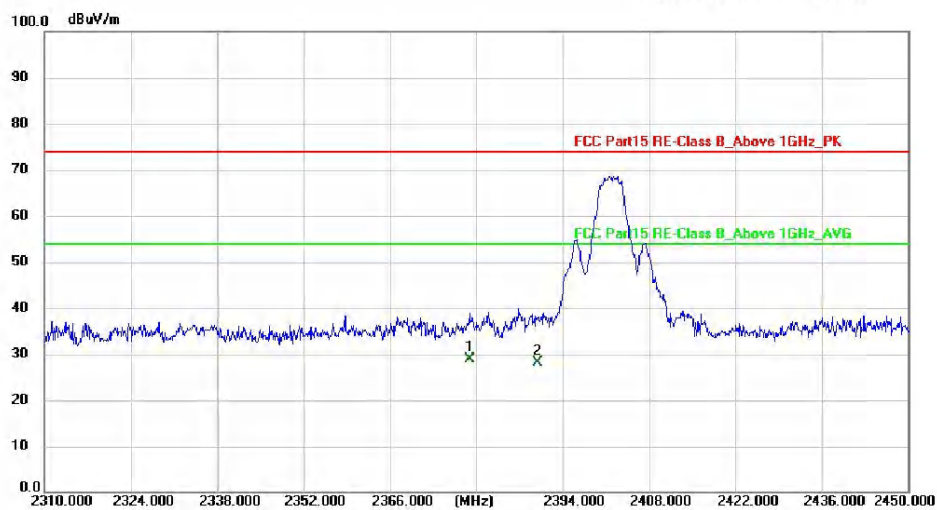
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE2M 2402
Test Voltage: Battery
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/22 21:19:23



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2378.950	52.89	-23.92	28.97	54.00	-25.03	AVG	150	217	P	
2	2390.000	51.99	-23.89	28.10	54.00	-25.90	AVG	150	149	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风-BD\Data :#5

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

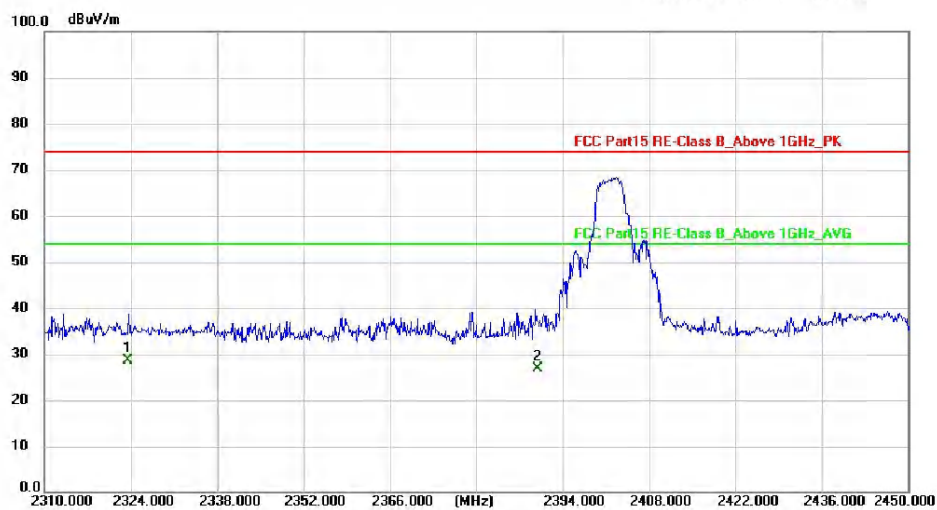
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE2M 2402
Test Voltage: Battery
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/22 21:25:53



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2323.807	52.78	-24.10	28.68	54.00	-25.32	AVG	150	79	P	
2	2390.000	50.88	-23.89	26.99	54.00	-27.01	AVG	150	167	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风-BD\Data :#6

Page: 1

Engineer Signature:

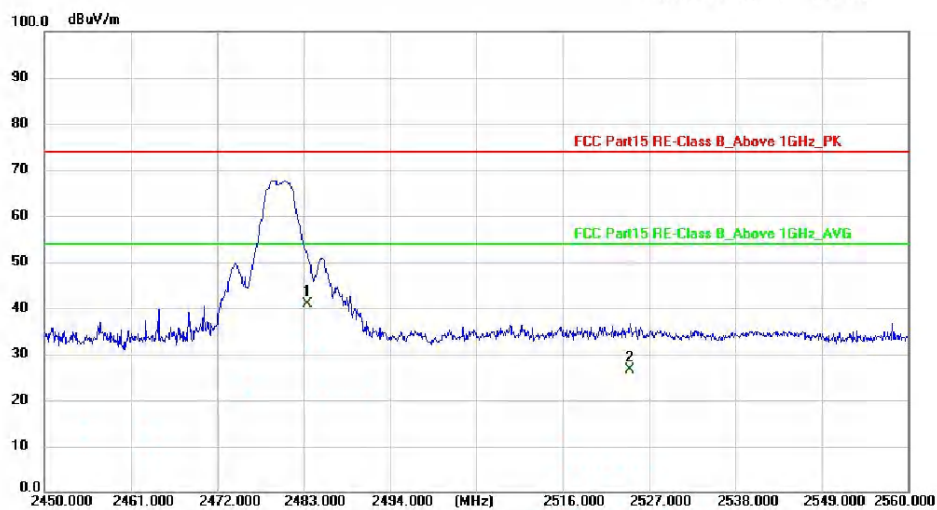


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Wireless Microphone Pair	Distance: 3m	Humidity: 54 %RH
M/N: NS-PSMCPAIR	Test Engineer: Jeffrey	
Test Mode: BLE2M 2480		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/22 21:32:52



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2483.500	64.36	-23.58	40.78	54.00	-13.22	AVG	150	184	P	
2	2524.594	50.15	-23.45	26.70	54.00	-27.30	AVG	150	219	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风-BD\Data :#7

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

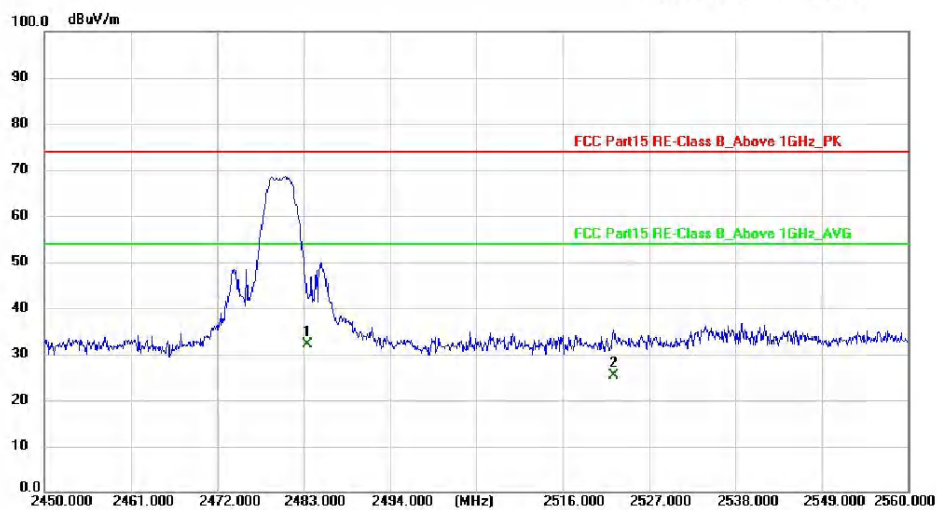
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE2M 2480
Test Voltage: Battery
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/22 21:39:58



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2483.500	55.61	-23.58	32.03	54.00	-21.97	AVG	150	217	P	
2	2522.490	48.91	-23.46	25.45	54.00	-28.55	AVG	150	149	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: 麦克风-BD\Data :#8

Page: 1

Engineer Signature:

Appendix A.8: Test Results of Conducted Emission on AC Mains

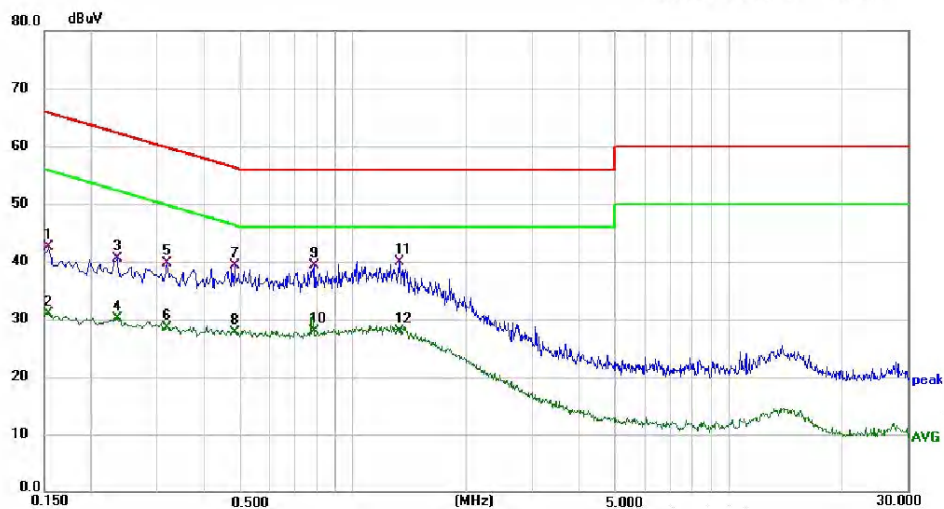


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-Shielded Room Phase: **L1** Temperature: 26 °C
EUT: Wireless Microphone Pair Humidity: 54 %RH
M/N: NS-PSMCPAIR Test Engineer: Jeffrey
Test Mode: BLE Mode
Test Voltage: AC 120V/60Hz
Note:

Conducted Emission Measurement

Test Date: 2026/6/27 16:06:33



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1539	32.73	9.68	42.41	65.79	-23.38	QP	P	
2	0.1539	21.21	9.68	30.89	55.79	-24.90	AVG	P	
3	0.2340	31.08	9.40	40.48	62.31	-21.83	QP	P	
4	0.2340	20.63	9.40	30.03	52.31	-22.28	AVG	P	
5	0.3180	30.33	9.40	39.73	59.76	-20.03	QP	P	
6	0.3180	19.14	9.40	28.54	49.76	-21.22	AVG	P	
7	0.4820	29.66	9.65	39.31	56.30	-16.99	QP	P	
8	0.4820	18.12	9.65	27.77	46.30	-18.53	AVG	P	
9	0.7900	29.72	9.52	39.24	56.00	-16.76	QP	P	
10	0.7900	18.41	9.52	27.93	46.00	-18.07	AVG	P	
11 *	1.3300	30.01	9.83	39.84	56.00	-16.16	QP	P	
12	1.3300	18.08	9.83	27.91	46.00	-18.09	AVG	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: CE\Data :#1

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-Shielded Room

Phase: **N**

Temperature: 26 °C

EUT: Wireless Microphone Pair

Humidity: 54 %RH

M/N: NS-PSMCPAIR

Test Engineer: Jeffrey

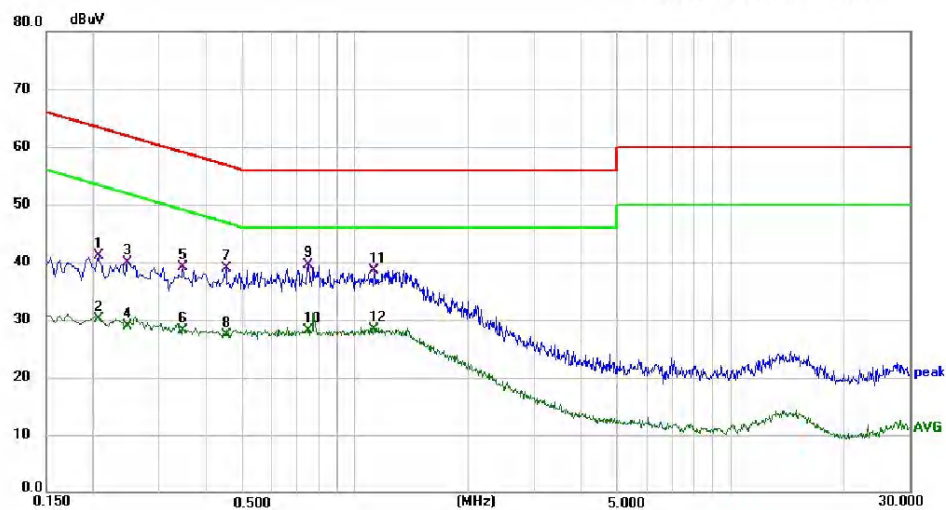
Test Mode: BLE Mode

Test Voltage: AC 120V/60Hz

Note:

Conducted Emission Measurement

Test Date: 2026/6/27 16:12:42



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2060	31.77	9.40	41.17	63.37	-22.20	QP	P	
2	0.2060	20.80	9.40	30.20	53.37	-23.17	AVG	P	
3	0.2460	30.52	9.40	39.92	61.89	-21.97	QP	P	
4	0.2460	19.60	9.40	29.00	51.89	-22.89	AVG	P	
5	0.3460	29.71	9.40	39.11	59.06	-19.95	QP	P	
6	0.3460	18.69	9.40	28.09	49.06	-20.97	AVG	P	
7	0.4500	29.40	9.55	38.95	56.88	-17.93	QP	P	
8	0.4500	17.71	9.55	27.26	46.88	-19.62	AVG	P	
9 *	0.7500	29.57	9.85	39.42	56.00	-16.58	QP	P	
10	0.7500	18.28	9.85	28.13	46.00	-17.87	AVG	P	
11	1.1220	28.96	9.58	38.54	56.00	-17.46	QP	P	
12	1.1220	18.69	9.58	28.27	46.00	-17.73	AVG	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: CE\Data :#2

Page: 1

Engineer Signature: