

Prüfbericht-Nr.: Test report no.:	CN26KSER 001	Auftrags-Nr.: Order no.:	27239579	Seite 1 von 22 Page 1 of 22	
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2026-06-09		
Auftraggeber: Client:	SHENZHEN FENDA TECHNOLOGY CO.,LTD Fenda Hi-Tech Park, Zhoushi Road, Shiyao, Baoan, Shenzhen, Guangdong, China				
Prüfgegenstand: Test item:	Wireless Microphone Pair				
Bezeichnung / Typ-Nr.: Identification / Type no.:	NS-PSMCPAIR (Trademark: INSIGNIA)				
Auftrags-Inhalt: Order content:	Test Report				
Prüfgrundlage: Test specification:	CFR Title 47 FCC Part 15, Subpart C, Section 15.247				
Wareneingangsdatum: Date of sample receipt:	2026-06-05	Please refer to Photo Document			
Prüfmuster-Nr.: Test sample no.:	A004297425-001~003				
Prüfzeitraum: Testing period:	2026-06-15 - 2026-06-27				
Ort der Prüfung: Place of testing:	Shenzhen PSI Testing Co., Ltd.				
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüfergebnis*: Test result*:	Pass				
geprüft von: tested by:	 Signed by: Jonathan Li		genehmigt von: authorized by:	 Signed by: Bell Hu	
Datum: Date:	2026-07-02		Ausstellungsdatum: Issue date:	2026-07-02	
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / Other:	FCC ID: HBOWM2621				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged				
* 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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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>

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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

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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

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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 Dongle, 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:	HBOWM2621
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:	3.31 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	Micphone
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)

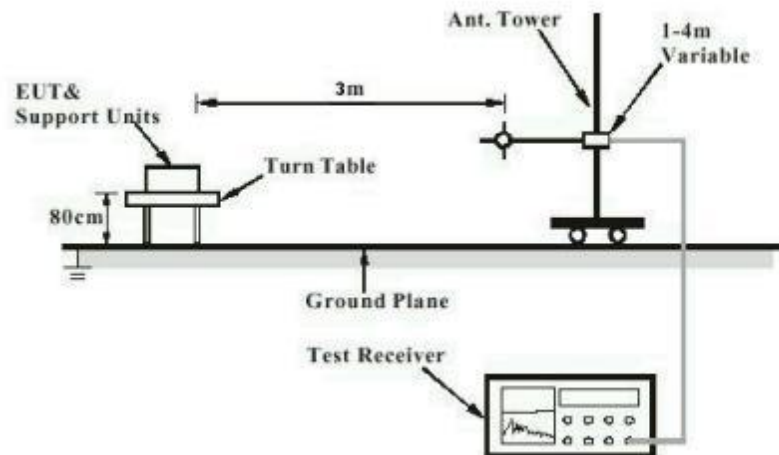


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

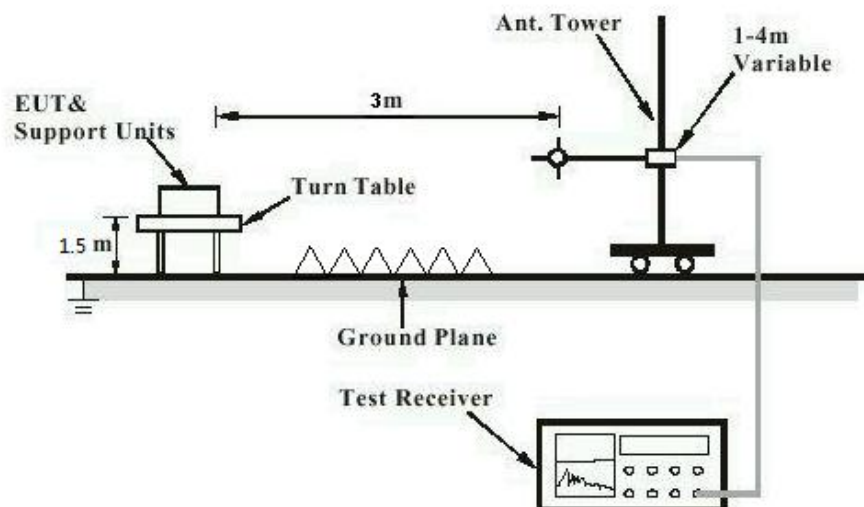


Diagram of Measurement Configuration for Mains Conduction Measurement

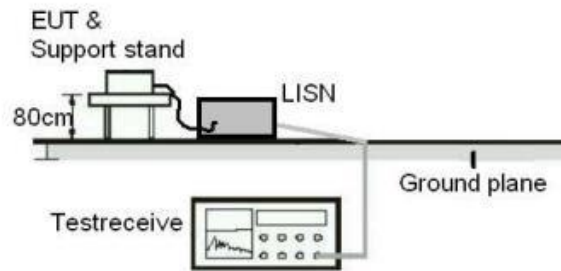
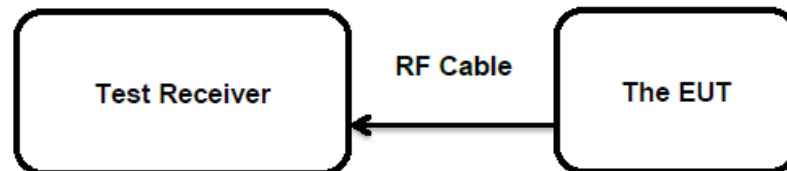


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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.

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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	4.11	0.0026	< 1.0
	2440	3.88	0.0024	
	2480	2.81	0.0019	
Bluetooth LE (2 Mbps)	2402	4.09	0.0026	
	2440	3.86	0.0024	
	2480	2.83	0.0019	
Max. Measured Value		4.11	0.0026	

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 3.31dBi

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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.

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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.

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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.

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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.

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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.

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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.

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Appendix A: Test Results of Bluetooth LE

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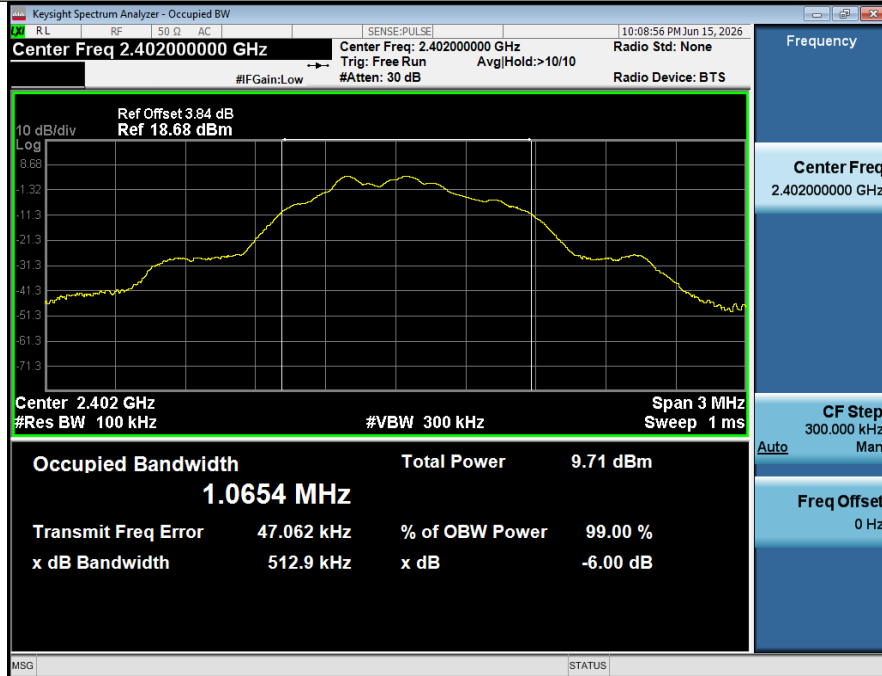
Appendix A.1: Test Results of 6dB Bandwidth

Test Result

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	512.92	500	Pass
NVNT	ANT1	1Mbps	2440.00	513.54	500	Pass
NVNT	ANT1	1Mbps	2480.00	509.19	500	Pass
NVNT	ANT1	2Mbps	2402.00	855.52	500	Pass
NVNT	ANT1	2Mbps	2440.00	849.94	500	Pass
NVNT	ANT1	2Mbps	2480.00	842.74	500	Pass

Test Graphs

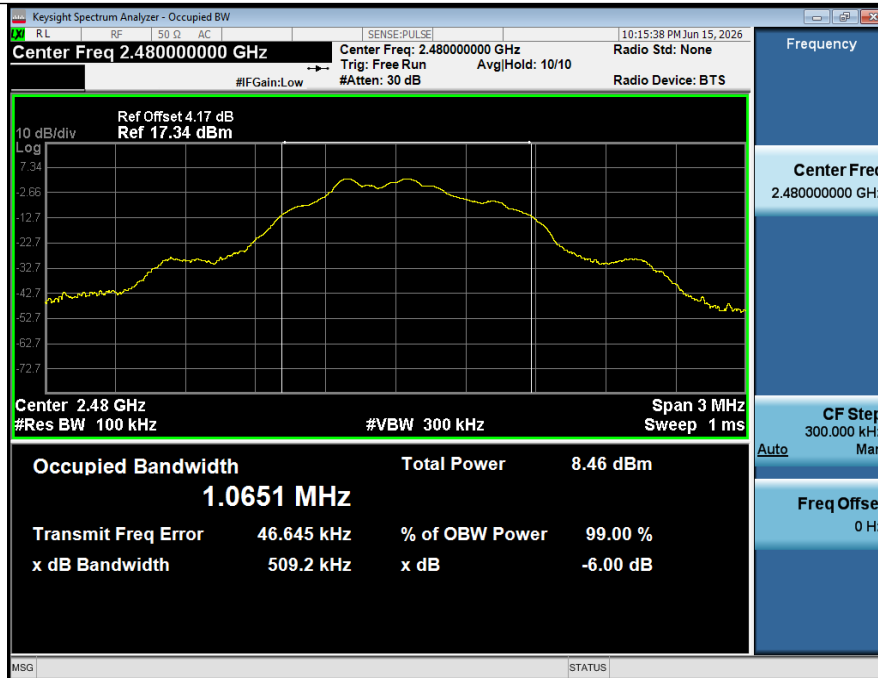
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



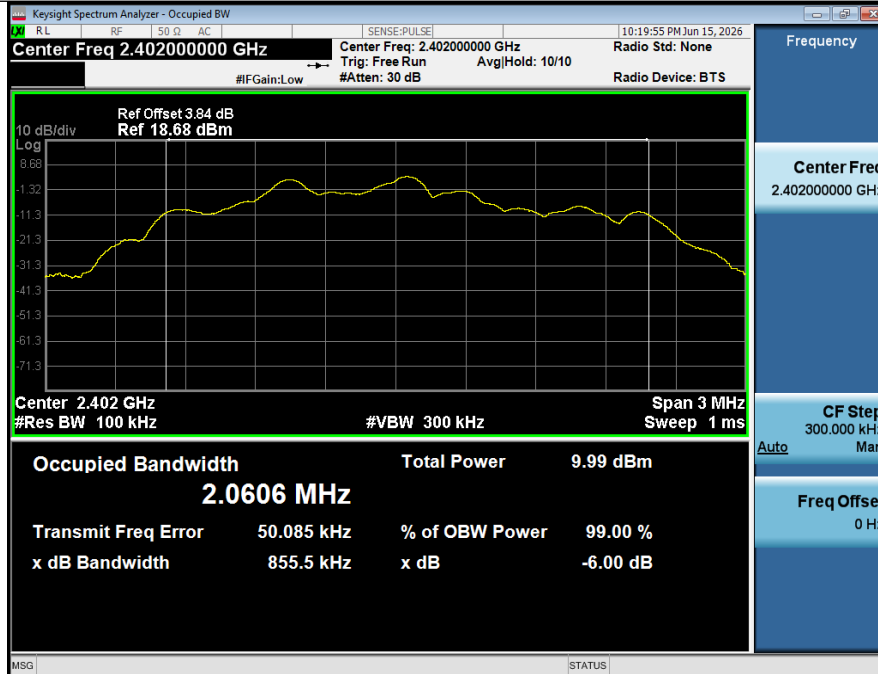
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440



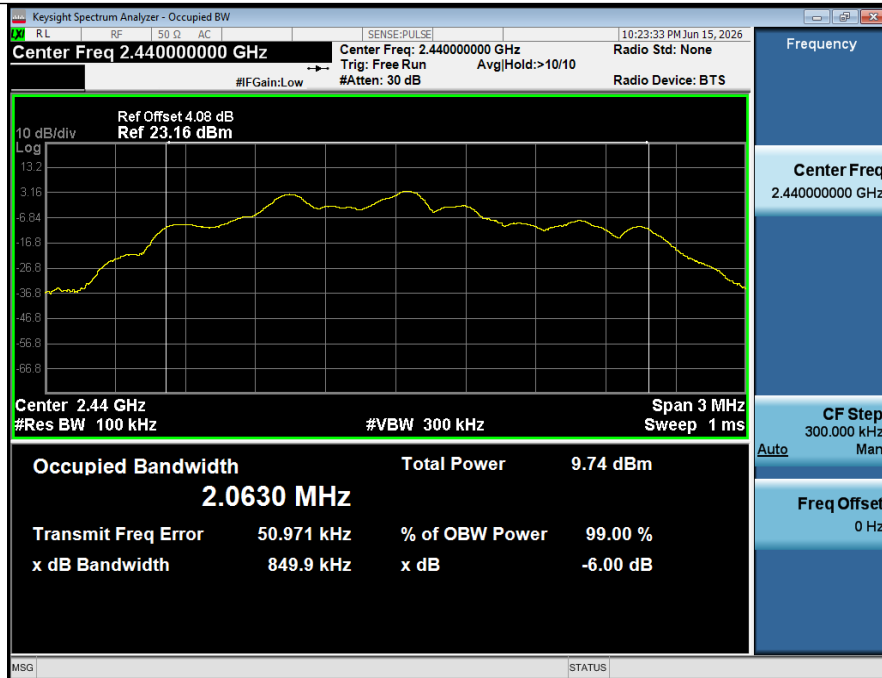
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480



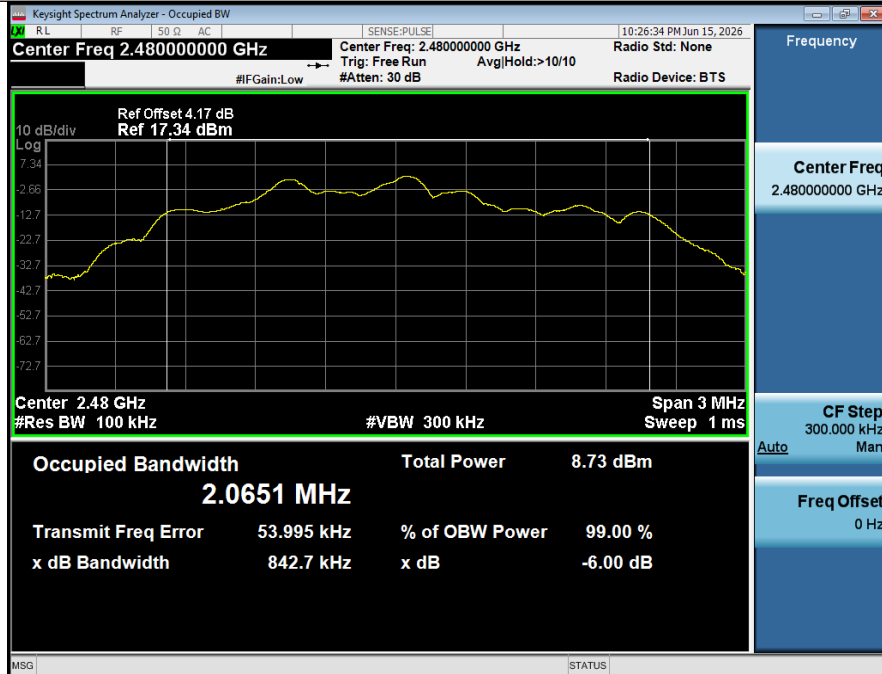
-6dB_Bandwidth_NVNT_ANT1_2Mbps_2402



-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	1.021
NVNT	ANT1	1Mbps	2440.00	1.021
NVNT	ANT1	1Mbps	2480.00	1.021
NVNT	ANT1	2Mbps	2402.00	2.026
NVNT	ANT1	2Mbps	2440.00	2.027
NVNT	ANT1	2Mbps	2480.00	2.025

Test Graphs

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402



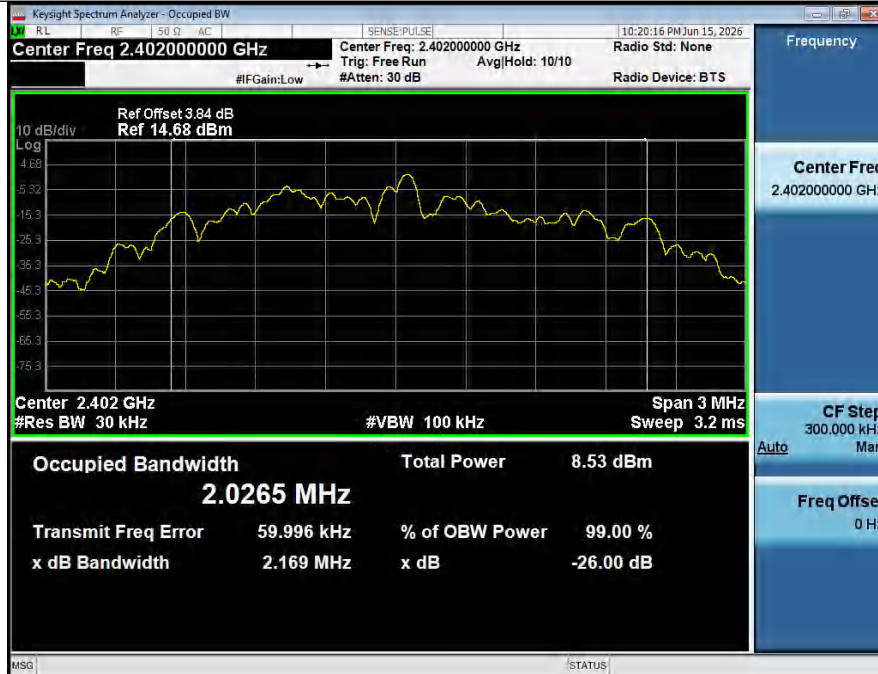
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440



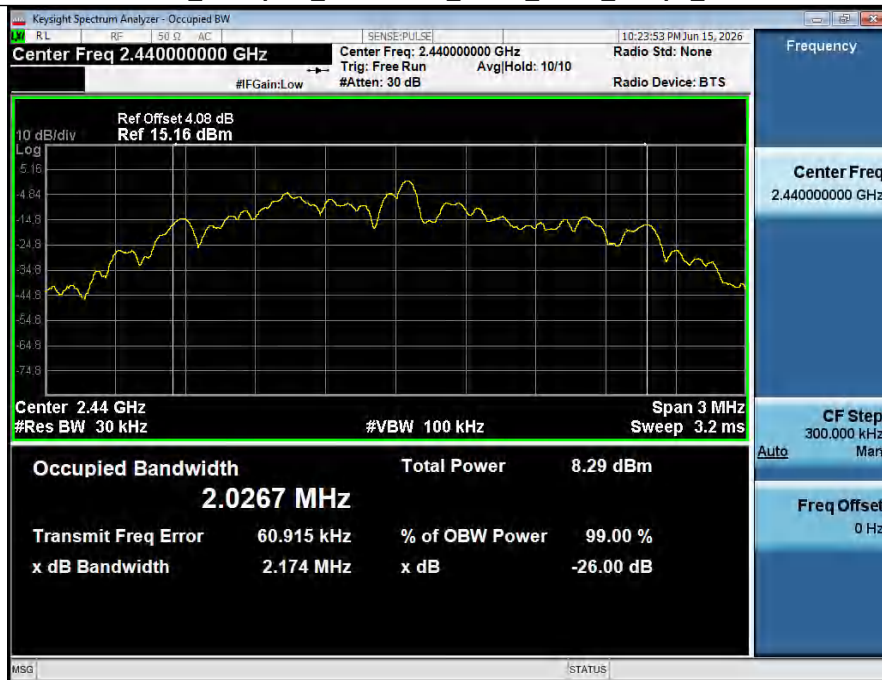
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480



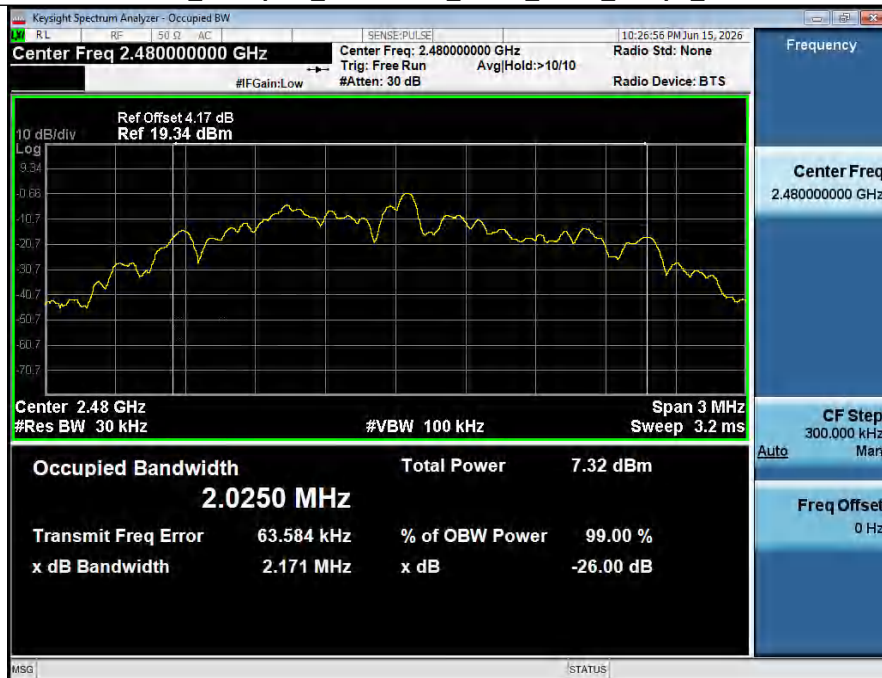
99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2402



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2440



99%_Occupied_Bandwidth_NVNT_ANT1_2Mbps_2480



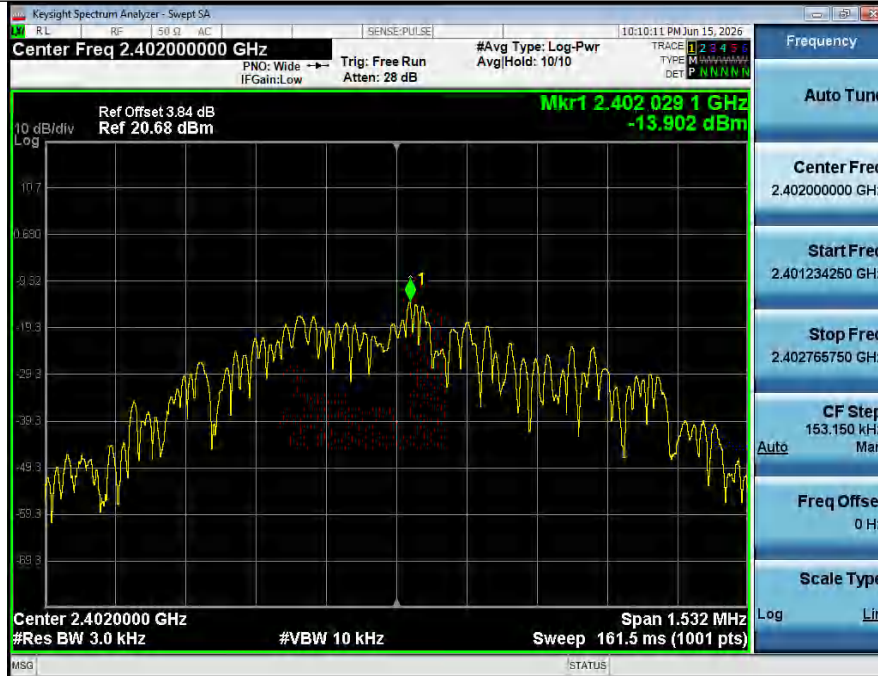
Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-13.90	8	Pass
NVNT	ANT1	1Mbps	2440.00	-14.49	8	Pass
NVNT	ANT1	1Mbps	2480.00	-15.49	8	Pass
NVNT	ANT1	2Mbps	2402.00	-16.17	8	Pass
NVNT	ANT1	2Mbps	2440.00	-16.37	8	Pass
NVNT	ANT1	2Mbps	2480.00	-17.12	8	Pass

Test Graphs

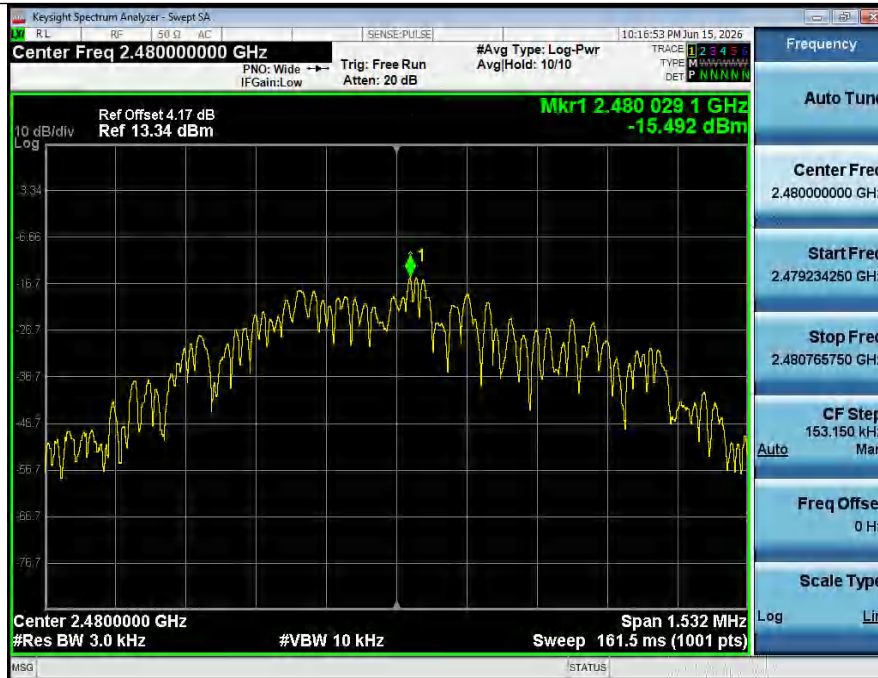
Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



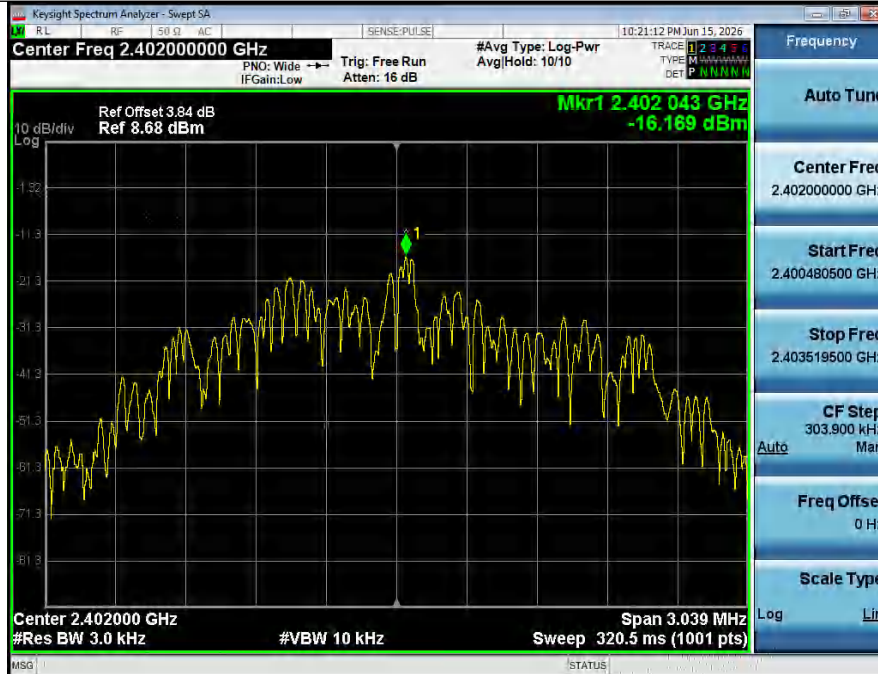
Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



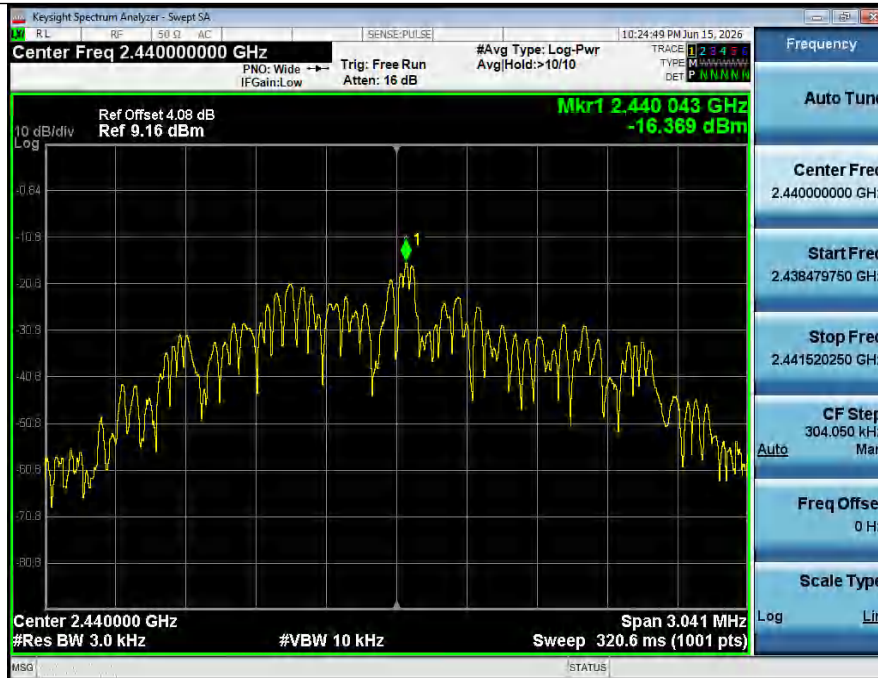
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



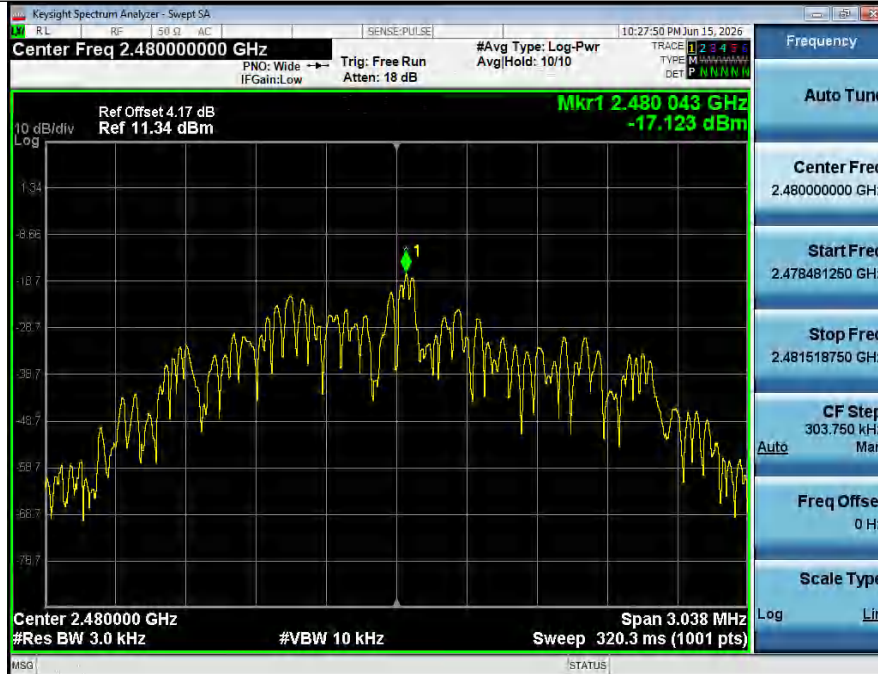
Power_Spectral_Density_NVNT_ANT1_2Mbps_2402



Power_Spectral_Density_NVNT_ANT1_2Mbps_2440



Power_Spectral_Density_NVNT_ANT1_2Mbps_2480



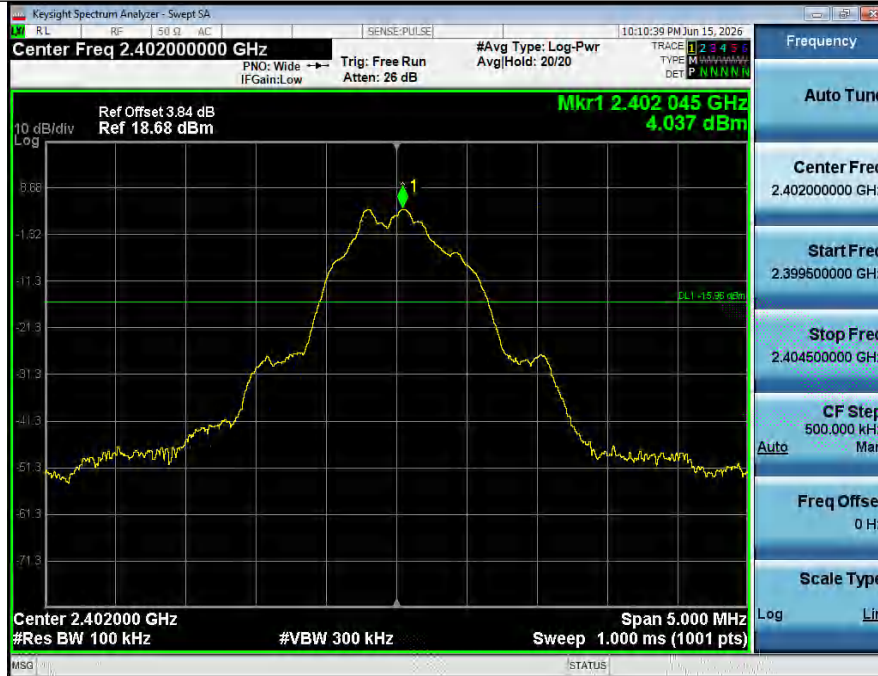
Appendix A.4: Test Results of Band Edge Measurements

Test Result

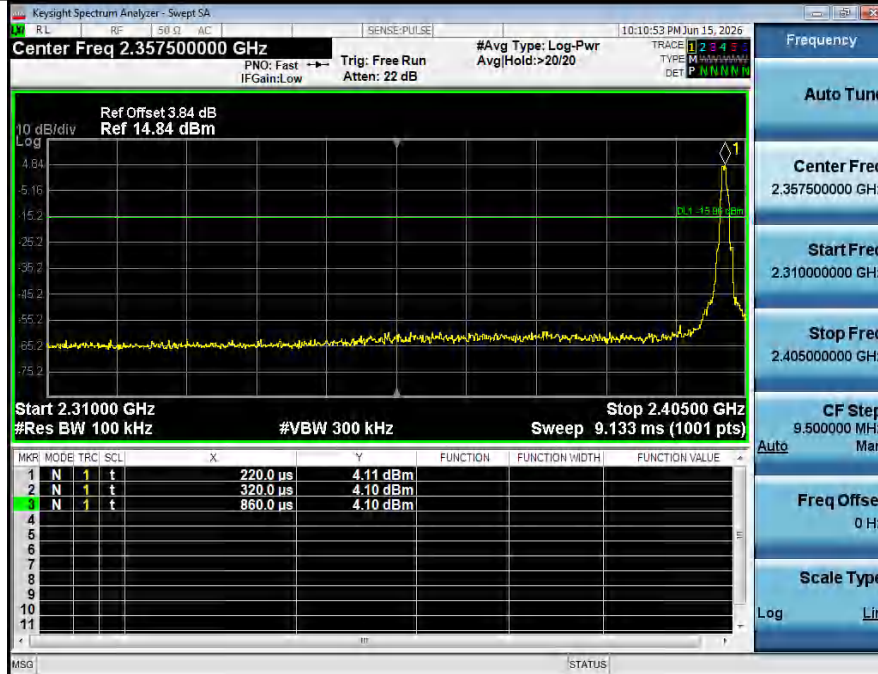
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.870	4.037	-48.571	-15.963	Pass
NVNT	ANT1	1Mbps	2480.00	2483.775	2.764	-57.316	-17.236	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	4.024	-30.540	-15.976	Pass
NVNT	ANT1	2Mbps	2480.00	2485.550	2.735	-48.746	-17.265	Pass

Test Graphs

1_Reference_Level_NVNT_ANT1_1Mbps_2402



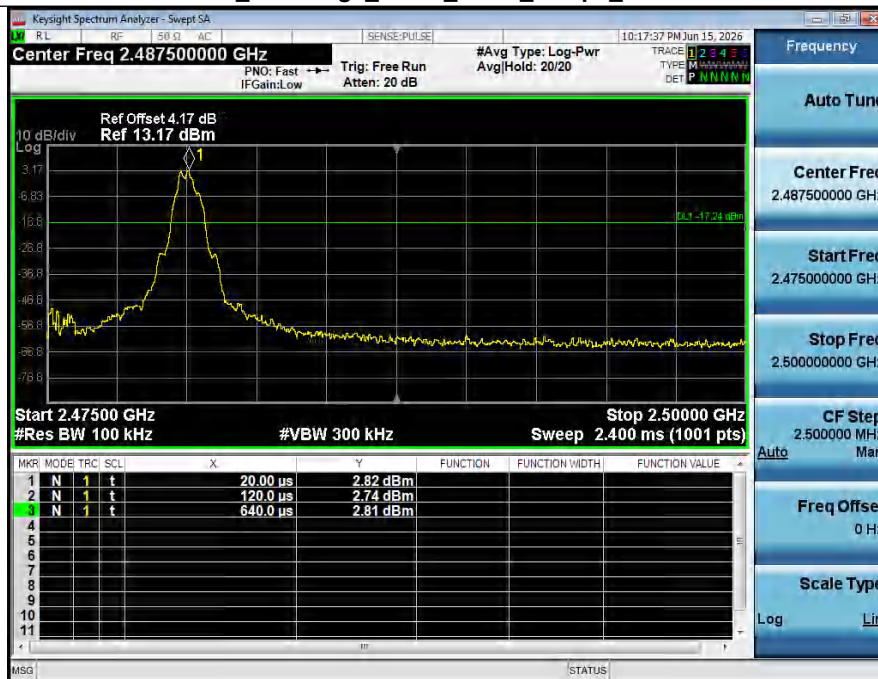
2_Bandedge_NVNT_ANT1_1Mbps_2402



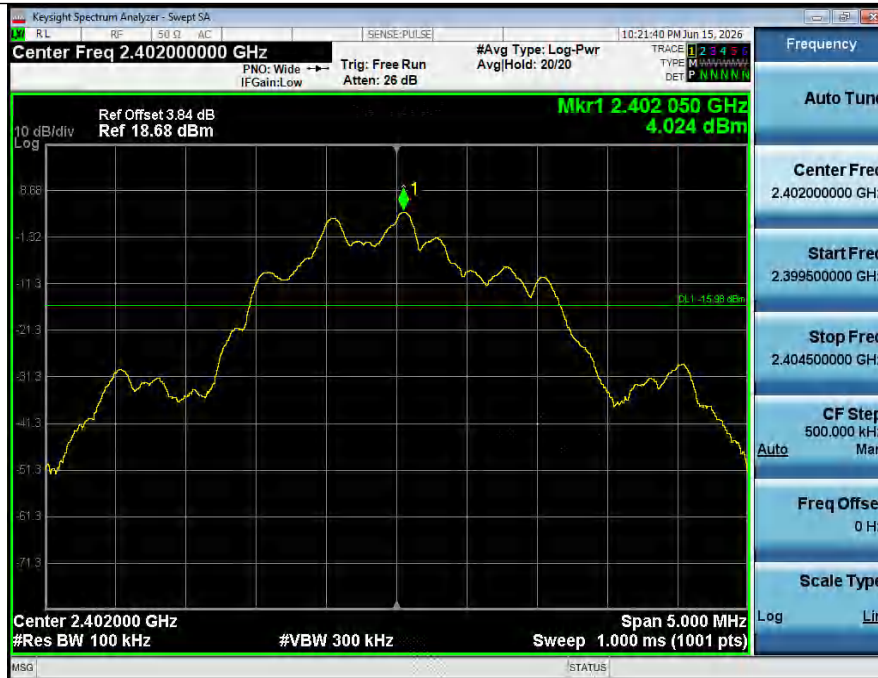
1_Reference_Level_NVNT_ANT1_1Mbps_2480



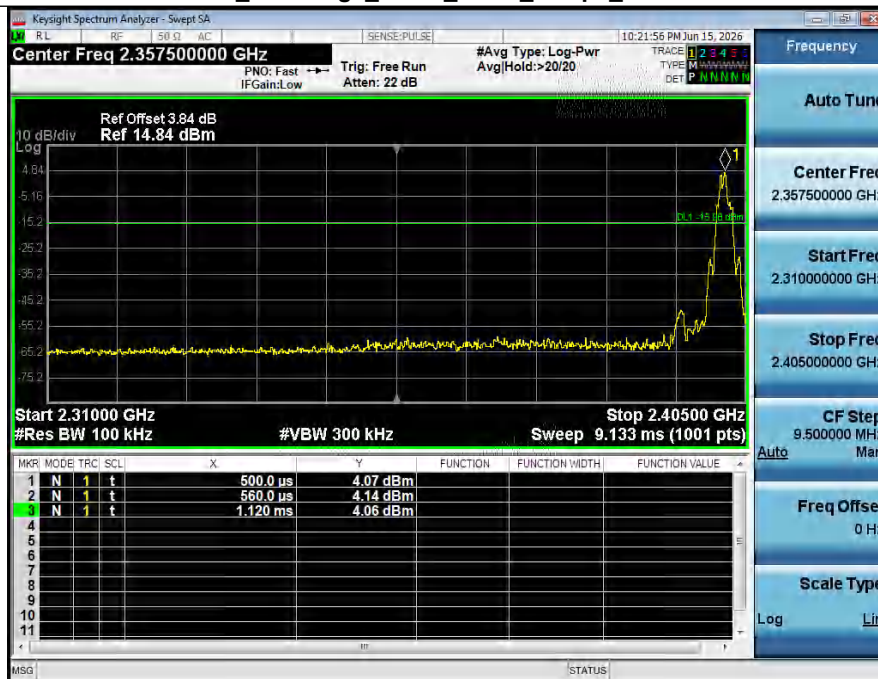
2_Bandedge_NVNT_ANT1_1Mbps_2480



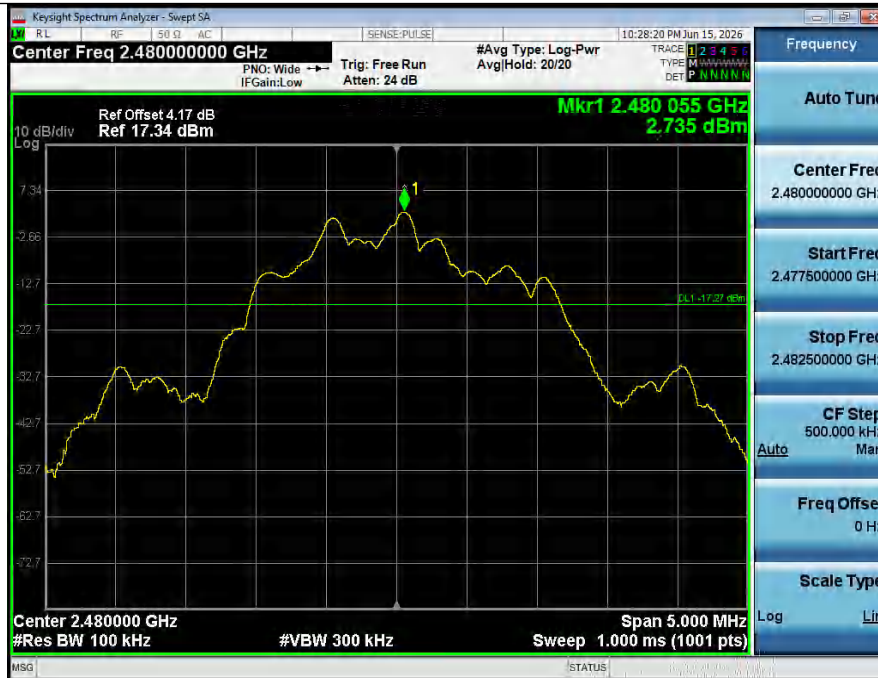
1_Reference_Level_NVNT_ANT1_2Mbps_2402



2_Bandedge_NVNT_ANT1_2Mbps_2402



1_Reference_Level_NVNT_ANT1_2Mbps_2480



2_Bandedge_NVNT_ANT1_2Mbps_2480



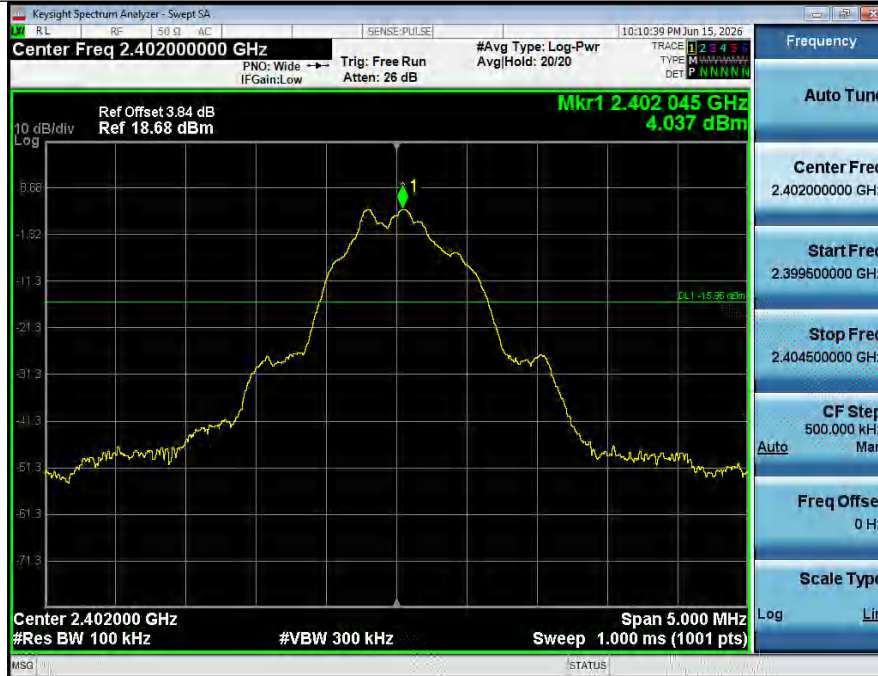
Appendix A.5: Test Results of Conducted Spurious Emission

Test Result

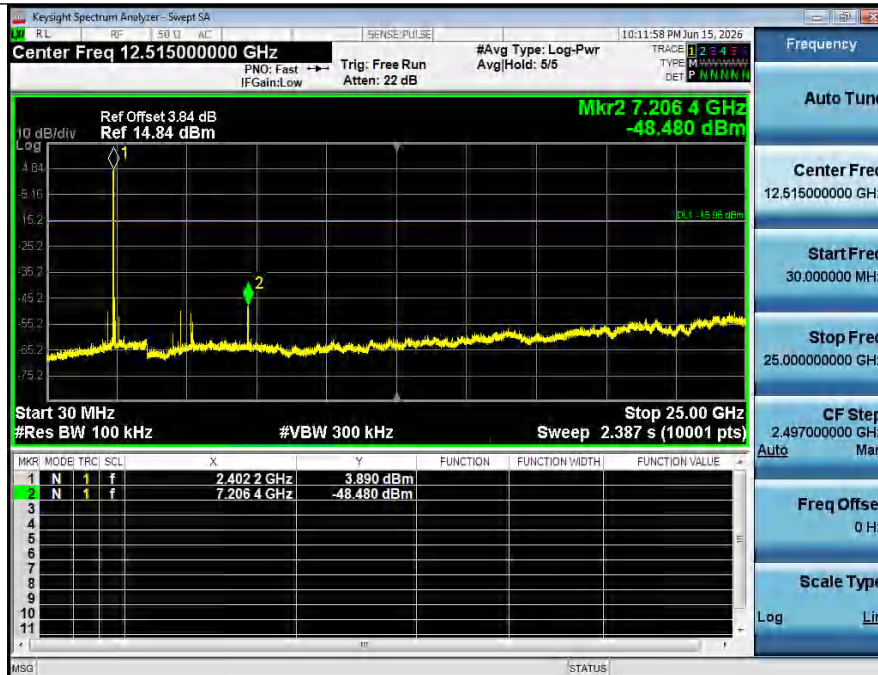
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	4.037	-48.480	-15.963	Pass
NVNT	ANT1	1Mbps	2440.00	3.770	-46.473	-16.230	Pass
NVNT	ANT1	1Mbps	2480.00	2.764	-50.341	-17.236	Pass
NVNT	ANT1	2Mbps	2402.00	4.024	-48.263	-15.976	Pass
NVNT	ANT1	2Mbps	2440.00	3.768	-47.571	-16.232	Pass
NVNT	ANT1	2Mbps	2480.00	2.735	-49.959	-17.265	Pass

Test Graphs

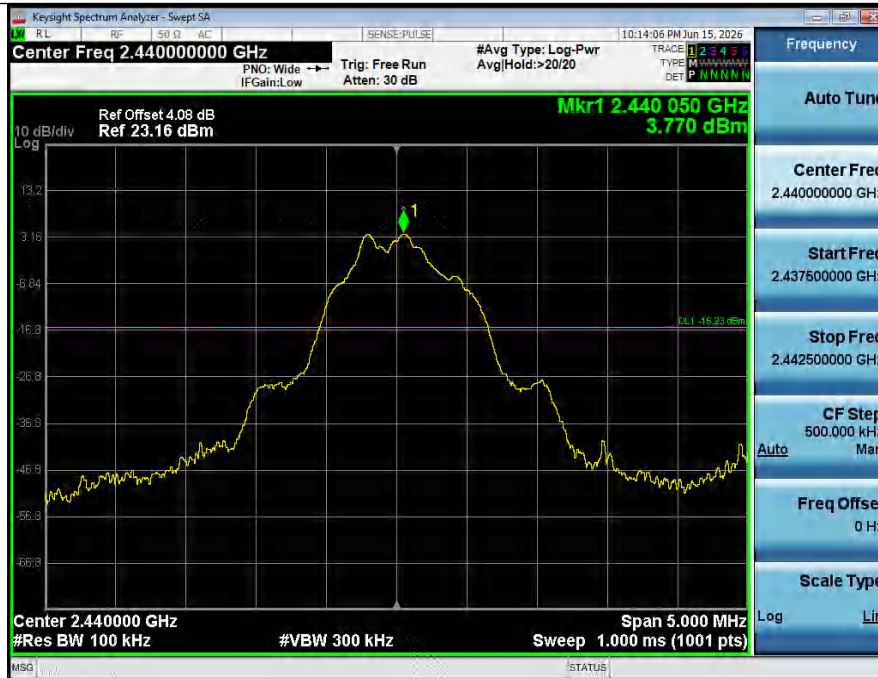
1_Reference_Level_NVNT_ANT1_1Mbps_2402



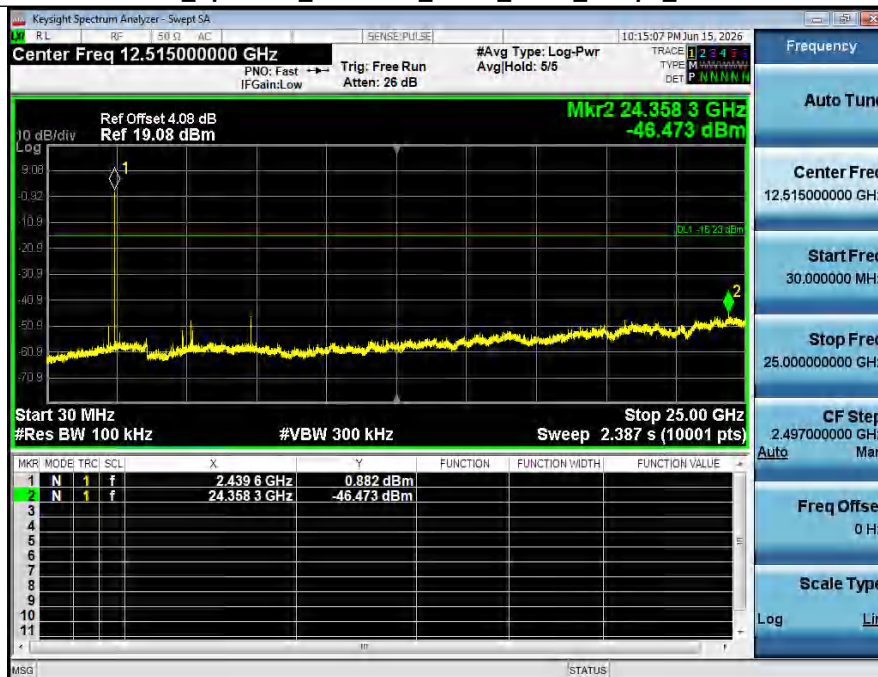
2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2440



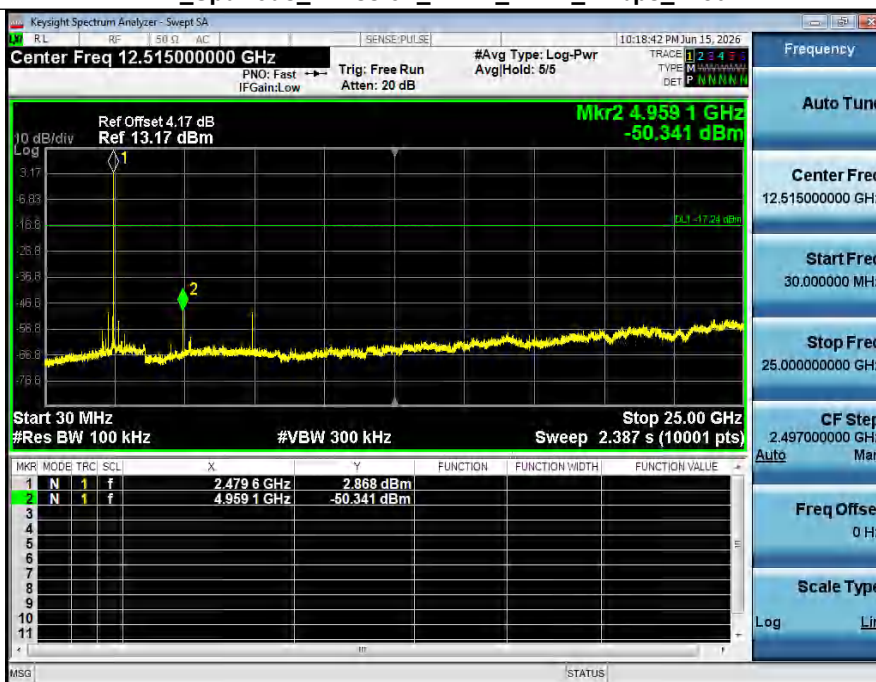
2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



1	Reference_Level	NVNT_ANT1	1Mbps	2480
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
7	0	0	0	0
8	0	0	0	0
9	0	0	0	0
10	0	0	0	0
11	0	0	0	0
12	0	0	0	0
13	0	0	0	0
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	0	0	0	0
18	0	0	0	0
19	0	0	0	0
20	0	0	0	0
21	0	0	0	0
22	0	0	0	0
23	0	0	0	0
24	0	0	0	0
25	0	0	0	0
26	0	0	0	0
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33	0	0	0	0
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90	0	0	0	0
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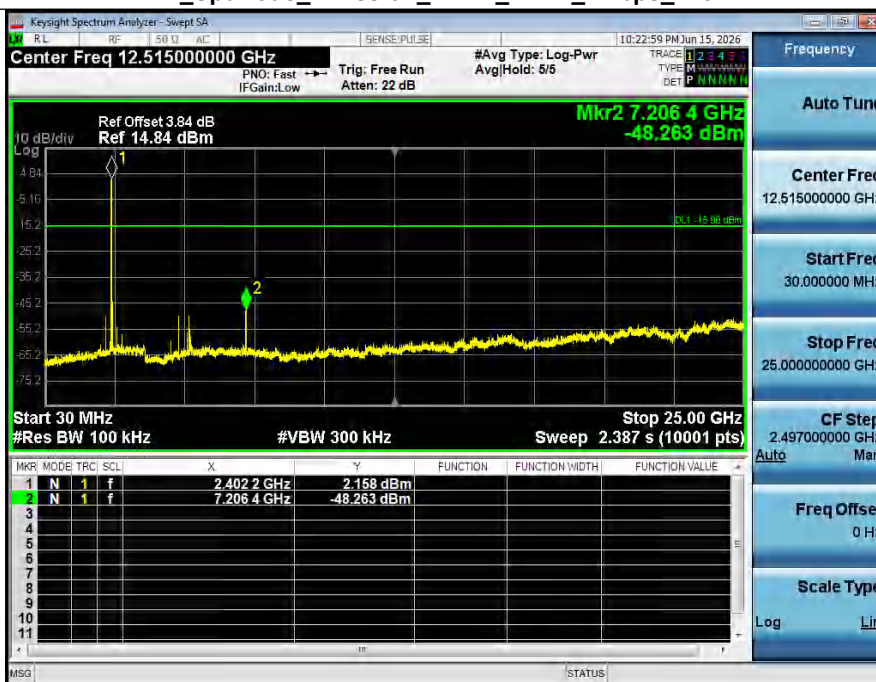
2_Spurious_Emission_NVNT_ANT1_1Mbps_2480



1	Reference_Level	NVNT_ANT1	2Mbps	2402
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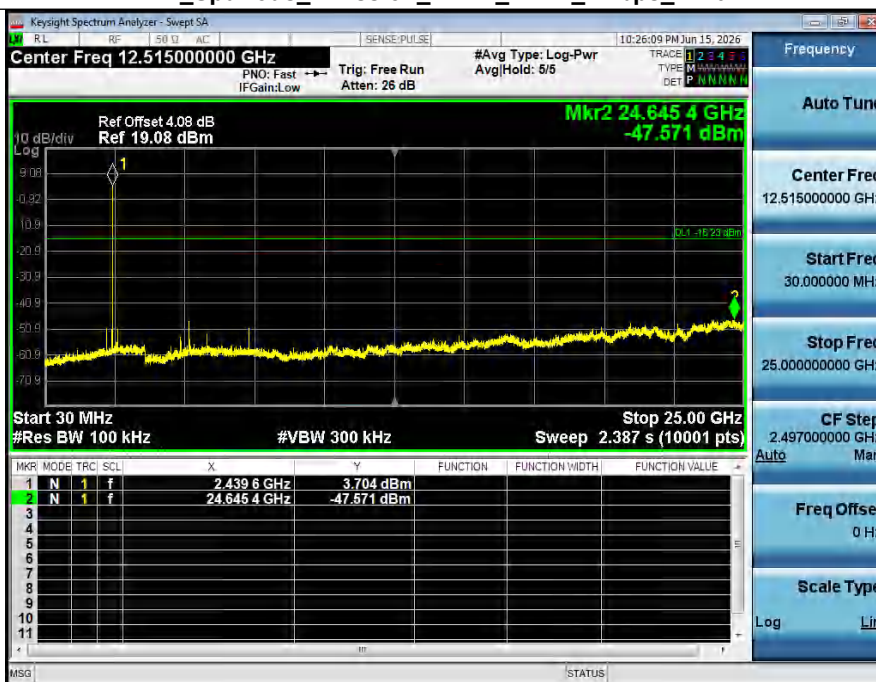
2_Spurious_Emission_NVNT_ANT1_2Mbps_2402

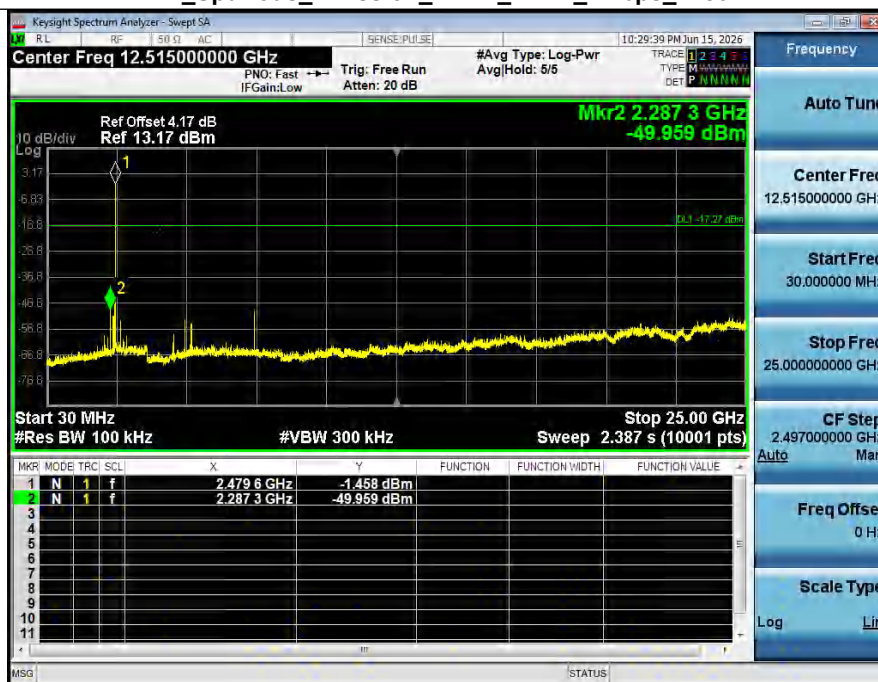


1	Reference_Level	NVNT_ANT1	2Mbps	2440
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6	0	0	0	0
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30	0	0	0	0
31	0	0	0	0
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93	0	0	0	0
94	0	0	0	0
95	0	0	0	0



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

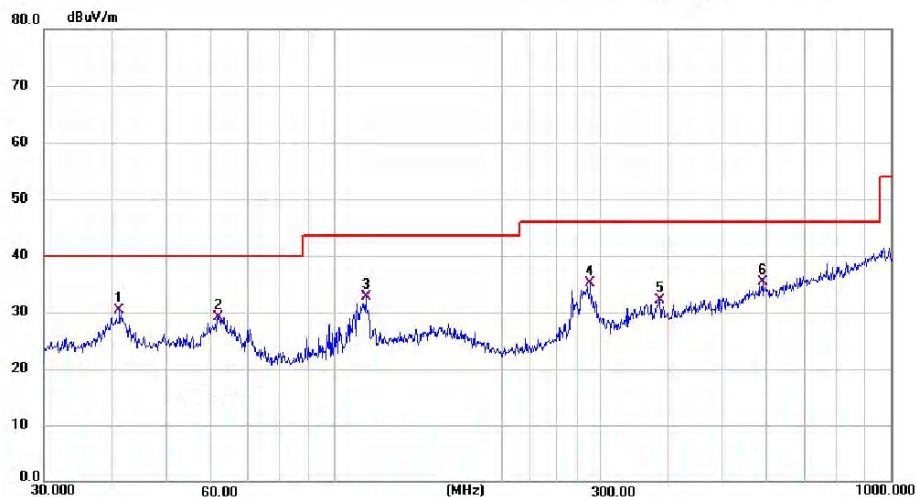


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

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 20:12:45



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 *	41.0600	16.20	14.20	30.40	40.00	-9.60	QP	100	261	P	
2	61.8864	16.26	12.90	29.16	40.00	-10.84	QP	100	198	P	
3	113.8140	20.16	12.45	32.61	43.50	-10.89	QP	100	151	P	
4	288.1166	20.28	14.74	35.02	46.00	-10.98	QP	100	89	P	
5	384.1000	14.91	17.25	32.16	46.00	-13.84	QP	100	106	P	
6	588.6470	13.53	21.84	35.37	46.00	-10.63	QP	100	211	P	

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

File: 接收器 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 20:19:47



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	21.56	11.17	32.73	43.50	-10.77	QP	169		P	
2	158.1123	12.75	15.18	27.93	43.50	-15.57	QP	210		P	
3	266.2585	21.15	13.98	35.13	46.00	-10.87	QP	180		P	
4 *	384.1000	20.89	17.25	38.14	46.00	-7.86	QP	152		P	
5	480.1064	15.03	19.51	34.54	46.00	-11.46	QP	315		P	
6	593.8300	13.51	21.94	35.45	46.00	-10.55	QP	119		P	

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

File: 接收器 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 20:25:57



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	97.9700	22.74	10.82	33.56	43.50	-9.94	QP	200	188	P	
2	106.0126	22.54	11.59	34.13	43.50	-9.37	QP	200	261	P	
3	129.9225	15.70	13.81	29.51	43.50	-13.99	QP	200	290	P	
4	270.3747	21.35	14.14	35.49	46.00	-10.51	QP	200	331	P	
5 *	383.9318	20.91	17.24	38.15	46.00	-7.85	QP	200	152	P	
6	480.1064	15.63	19.51	35.14	46.00	-10.86	QP	200	73	P	

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

File: 接收器 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

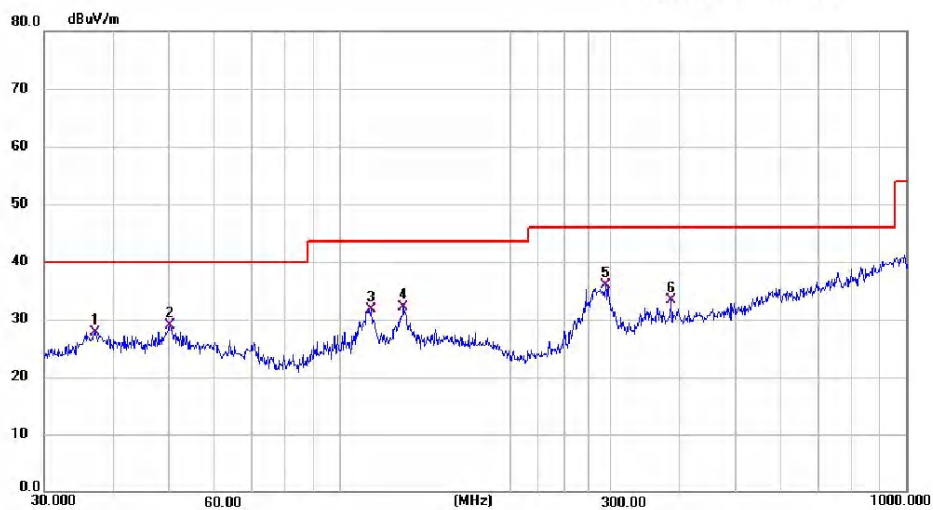
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 1M 2480
Test Voltage: Battery
Note:

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

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 20:32:43



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	36.9438	13.91	13.83	27.74	40.00	-12.26	QP	100	118	P	
2	50.1664	15.23	13.73	28.96	40.00	-11.04	QP	100	291	P	
3	113.4651	19.34	12.41	31.75	43.50	-11.75	QP	100	138	P	
4	129.7518	18.21	13.80	32.01	43.50	-11.49	QP	100	224	P	
5 *	294.8881	20.97	14.94	35.91	46.00	-10.09	QP	100	98	P	
6	384.1000	15.96	17.25	33.21	46.00	-12.79	QP	100	172	P	

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

File: 接收器 30M-1G\Data :#4

Page: 1

Engineer Signature:



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

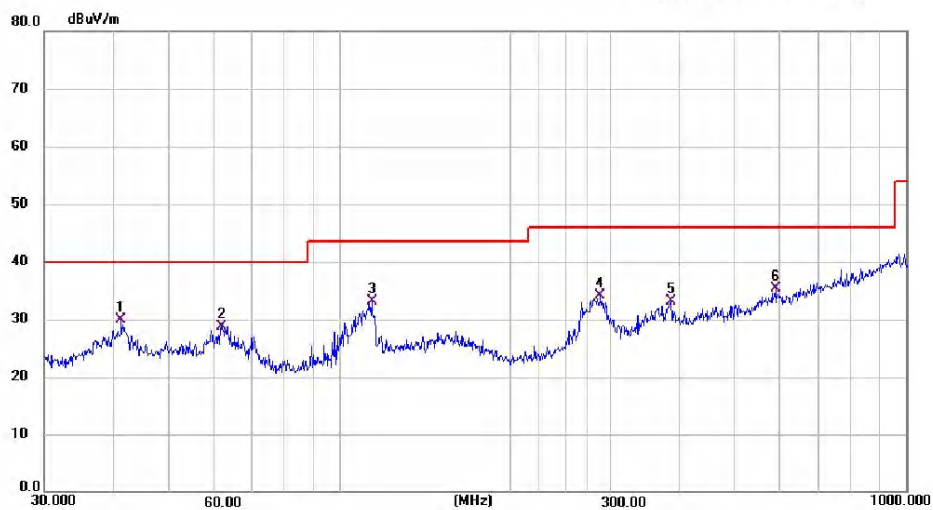
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 2M 2402
Test Voltage: Battery
Note:

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

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 20:39:35



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 *	41.0600	15.70	14.20	29.90	40.00	-10.10	QP	186		P	
2	61.8864	15.76	12.90	28.66	40.00	-11.34	QP	241		P	
3	113.8140	20.66	12.45	33.11	43.50	-10.39	QP	107		P	
4	288.1166	19.28	14.74	34.02	46.00	-11.98	QP	188		P	
5	384.1000	15.91	17.25	33.16	46.00	-12.84	QP	196		P	
6	588.6470	13.53	21.84	35.37	46.00	-10.63	QP	293		P	

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

File: 接收器 30M-1G\Data :#5

Page: 1

Engineer Signature:



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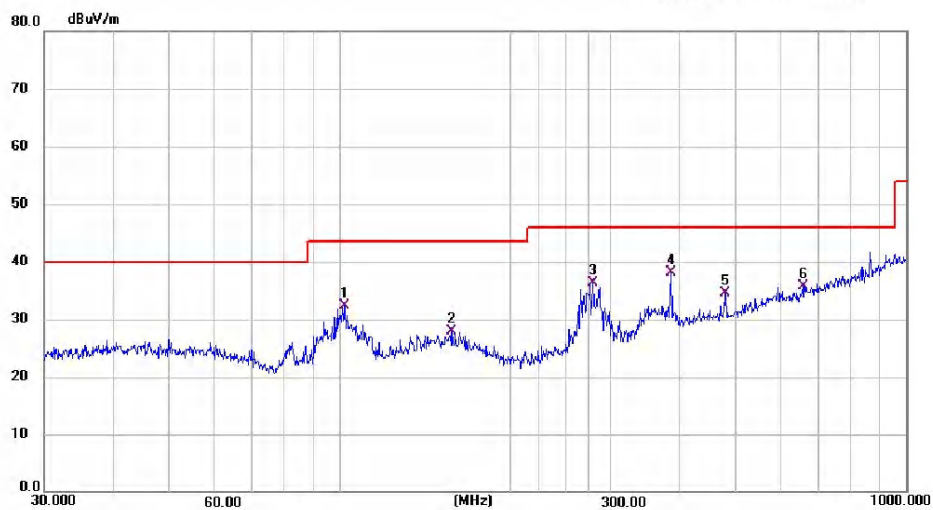
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 2M 2402
Test Voltage: Battery
Note:

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

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 20:46:27



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	102.0013	21.06	11.17	32.23	43.50	-11.27	QP	200	107	P	
2	158.1123	12.75	15.18	27.93	43.50	-15.57	QP	200	215	P	
3	280.6381	21.85	14.54	36.39	46.00	-9.61	QP	200	194	P	
4 *	384.1000	20.89	17.25	38.14	46.00	-7.86	QP	200	299	P	
5	480.1064	15.03	19.51	34.54	46.00	-11.46	QP	200	310	P	
6	658.5474	12.66	23.13	35.79	46.00	-10.21	QP	200	47	P	

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

File: 接收器 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 20:51:52



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	101.0224	21.99	11.06	33.05	43.50	-10.45	QP	200	106	P	
2	129.9225	15.70	13.81	29.51	43.50	-13.99	QP	200	287	P	
3	270.3747	21.35	14.14	35.49	46.00	-10.51	QP	200	193	P	
4 *	383.9318	19.91	17.24	37.15	46.00	-8.85	QP	200	105	P	
5	480.1064	15.63	19.51	35.14	46.00	-10.86	QP	200	162	P	
6	586.0724	13.77	21.78	35.55	46.00	-10.45	QP	200	177	P	

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

File: 接收器 30M-1G\Data :#7

Page: 1

Engineer Signature:



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

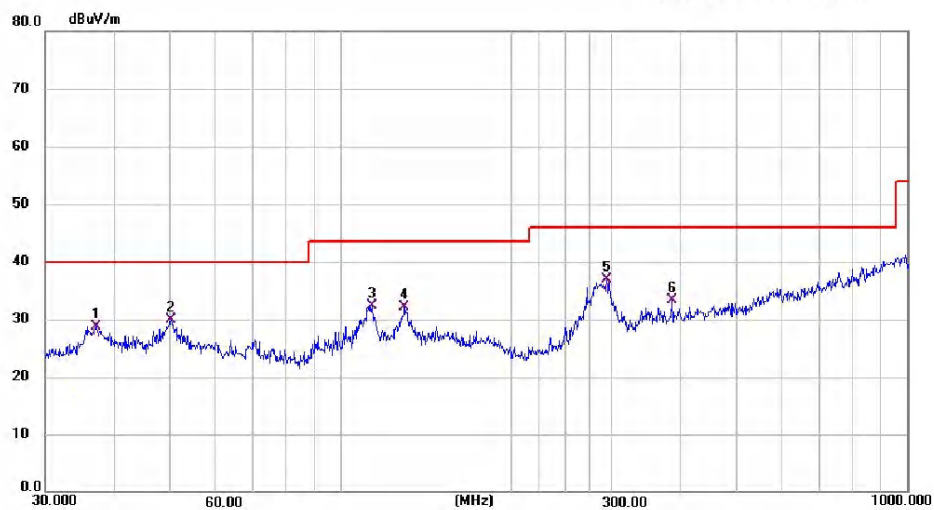
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 2M 2480
Test Voltage: Battery
Note:

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

Temperature: 24 °C
Humidity: 56 %RH

Radiated Emission Measurement

Test Date: 2026/6/17 20:58:29



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	36.9438	14.91	13.83	28.74	40.00	-11.26	QP	100	271	P	
2	50.1664	16.23	13.73	29.96	40.00	-10.04	QP	100	134	P	
3	113.4651	19.84	12.41	32.25	43.50	-11.25	QP	100	179	P	
4	129.7518	18.21	13.80	32.01	43.50	-11.49	QP	100	235	P	
5 *	294.8881	21.97	14.94	36.91	46.00	-9.09	QP	100	58	P	
6	384.1000	15.96	17.25	33.21	46.00	-12.79	QP	100	141	P	

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

File: 接收器 30M-1G\Data :#8

Page: 1

Engineer Signature:

1GHz - 18GHz

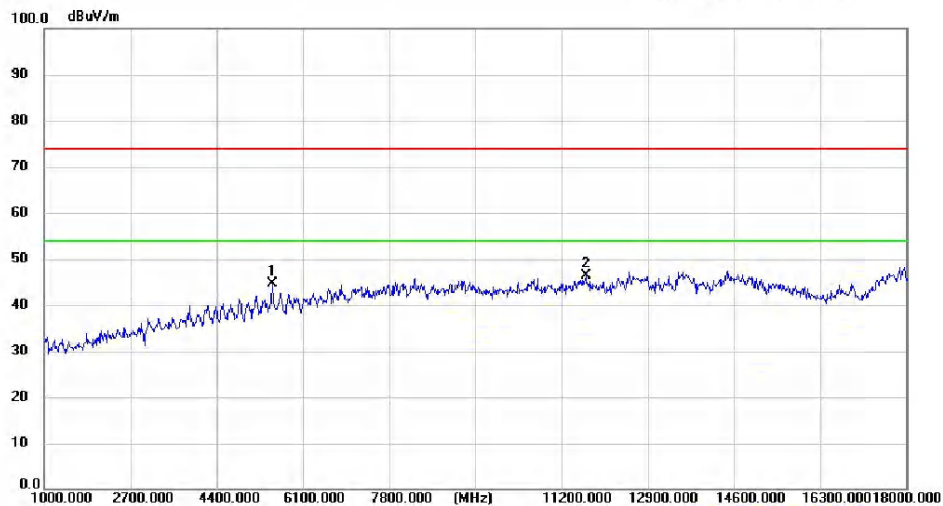


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	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 17:02:47



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	5498.625	65.49	-20.76	44.73	74.00	-29.27	peak	150	194	P	
2 *	11684.500	61.25	-14.88	46.37	74.00	-27.63	peak	150	33	P	

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

File: 接收器 1G-18G\Data :#1

Page: 1

Engineer Signature:



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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

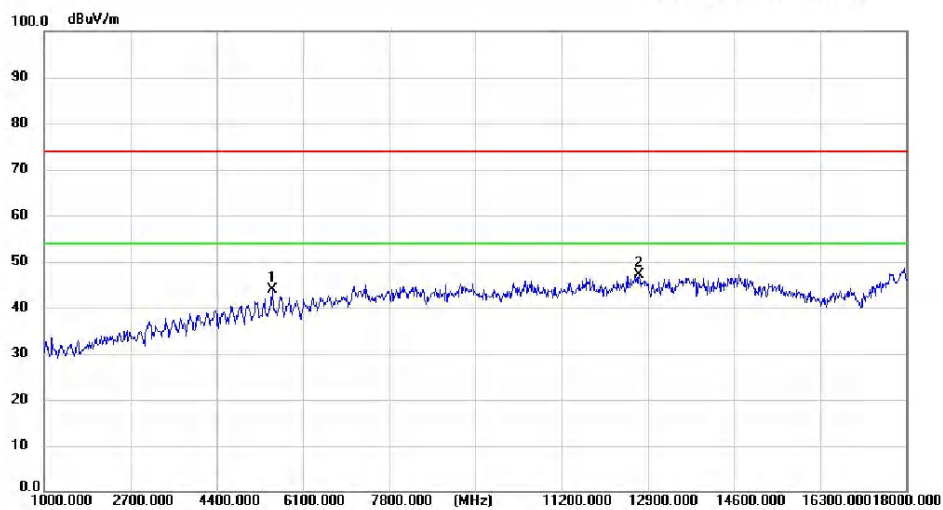
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 1M 2402
Test Voltage: Battery
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/18 17:10:05



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	5505.000	64.70	-20.75	43.95	74.00	-30.05	peak	150	216	P	
2 *	12734.250	61.27	-14.07	47.20	74.00	-26.80	peak	150	187	P	

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

File: 接收器 1G-18G\Data :#2

Page: 1

Engineer Signature:

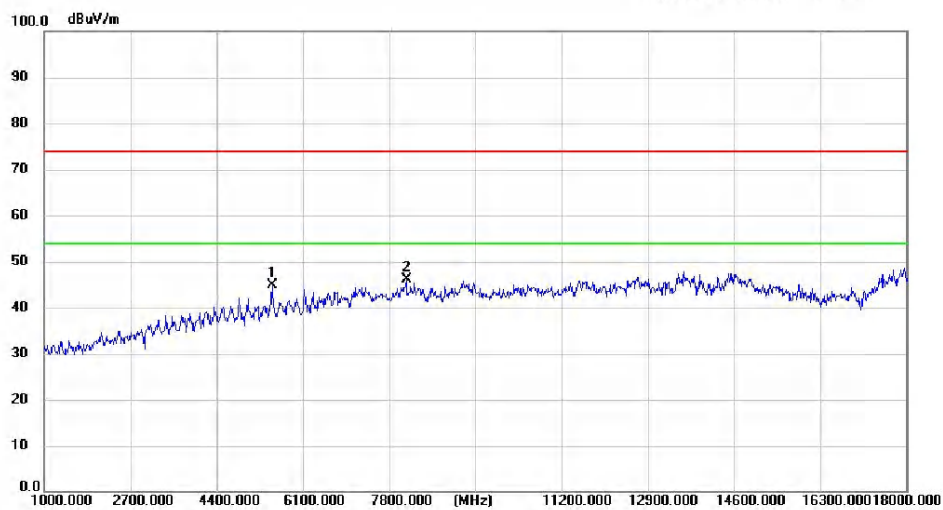


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	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 17:17:17



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	5500.750	65.75	-20.76	44.99	74.00	-29.01	peak	150	109	P	
2 *	8144.250	62.74	-16.69	46.05	74.00	-27.95	peak	150	328	P	

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

File: 接收器 1G-18G\Data :#3

Page: 1

Engineer Signature:



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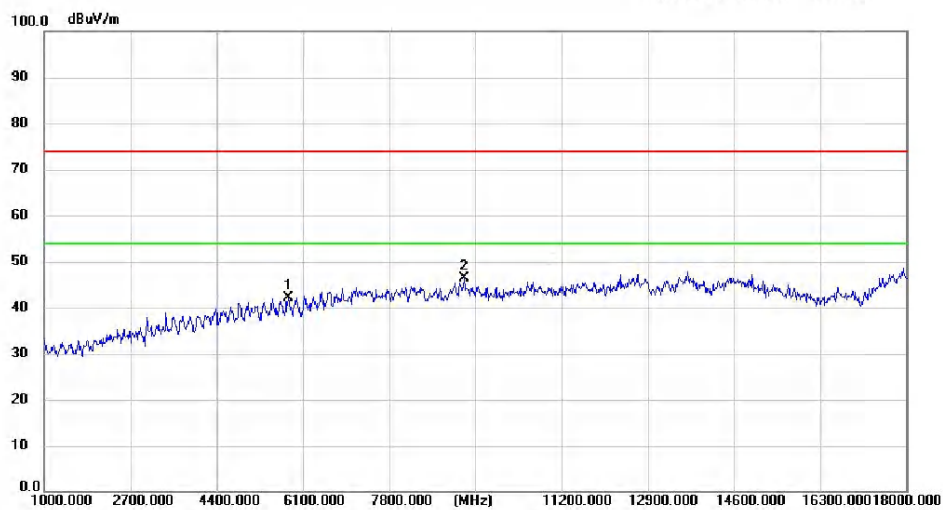
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 1M 2480
Test Voltage: Battery
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/18 17:24:08



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	5813.125	62.20	-20.11	42.09	74.00	-31.91	peak	150	217	P	
2 *	9285.375	62.65	-16.37	46.28	74.00	-27.72	peak	150	149	P	

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

File: 接收器 1G-18G\Data :#4

Page: 1

Engineer Signature:



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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

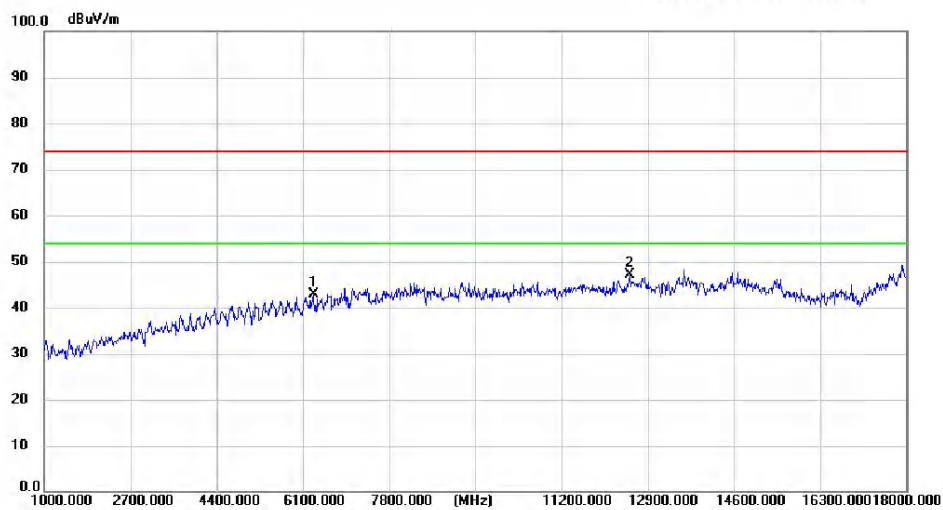
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE 2M 2402
Test Voltage: Battery
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/18 17:30:38



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	6318.875	61.88	-18.97	42.91	74.00	-31.09	peak	150	117	P	
2 *	12547.250	61.48	-14.25	47.23	74.00	-26.77	peak	150	255	P	

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

File: 接收器 1G-18G\Data :#5

Page: 1

Engineer Signature:

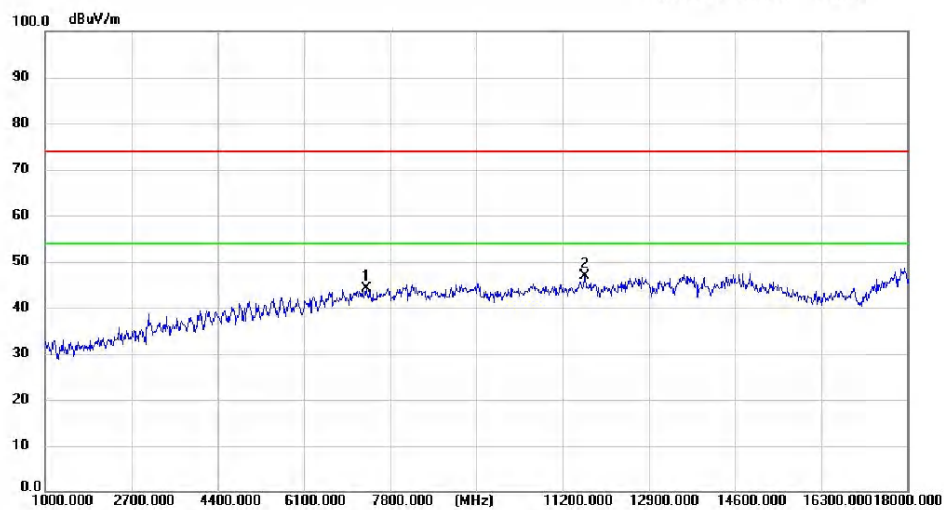


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

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 17:37:21



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	7332.500	61.40	-17.18	44.22	74.00	-29.78	peak	150	286	P	
2 *	11654.750	61.83	-14.89	46.94	74.00	-27.06	peak	150	114	P	

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

File: 接收器 1G-18G\Data :#6

Page: 1

Engineer Signature:

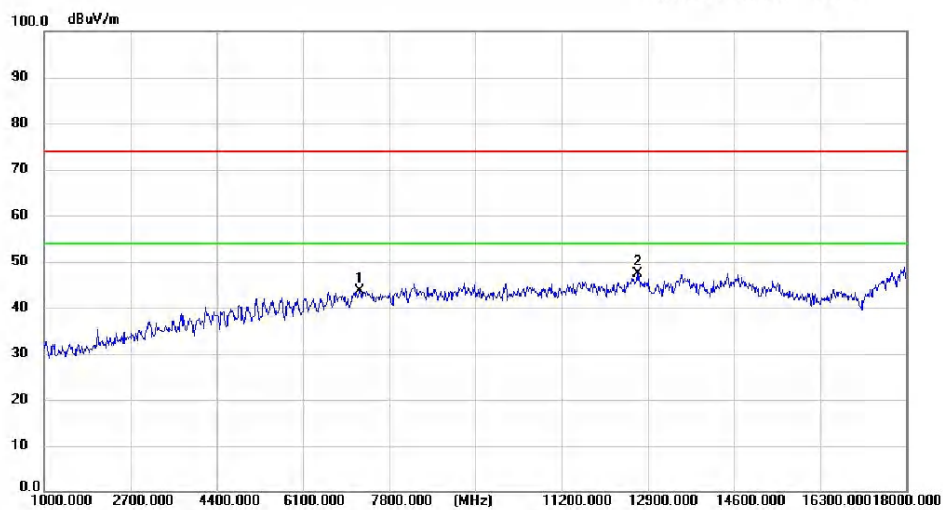


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	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 17:44:49



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	7234.750	60.85	-17.25	43.60	74.00	-30.40	peak	150	158	P	
2 *	12702.375	61.38	-14.10	47.28	74.00	-26.72	peak	150	131	P	

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

File: 接收器 1G-18G\Data :#7

Page: 1

Engineer Signature:

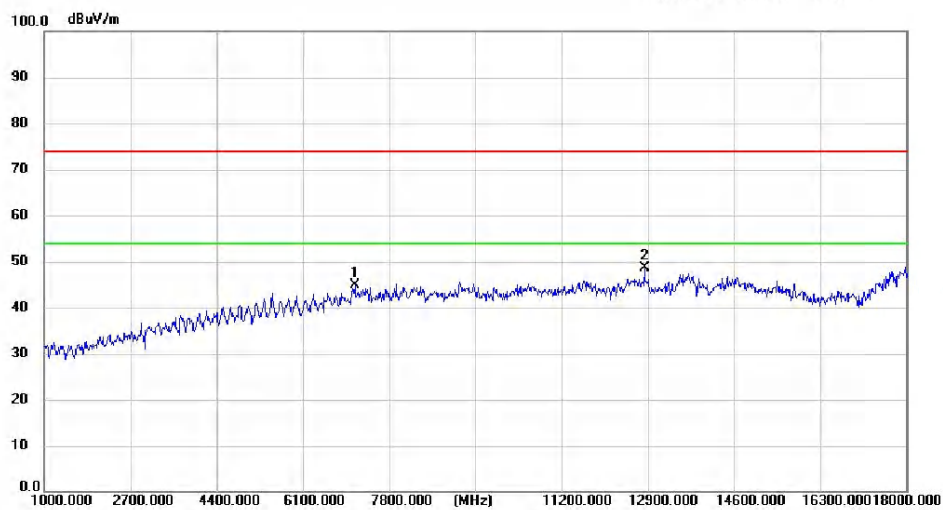


Shenzhen PSI Testing Co., Ltd.
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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	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 2480		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/18 17:50:18



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	7124.250	62.24	-17.32	44.92	74.00	-29.08	peak	150	176	P	
2 *	12844.750	62.48	-13.96	48.52	74.00	-25.48	peak	150	215	P	

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

File: 接收器 1G-18G\Data :#8

Page: 1

Engineer Signature:

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

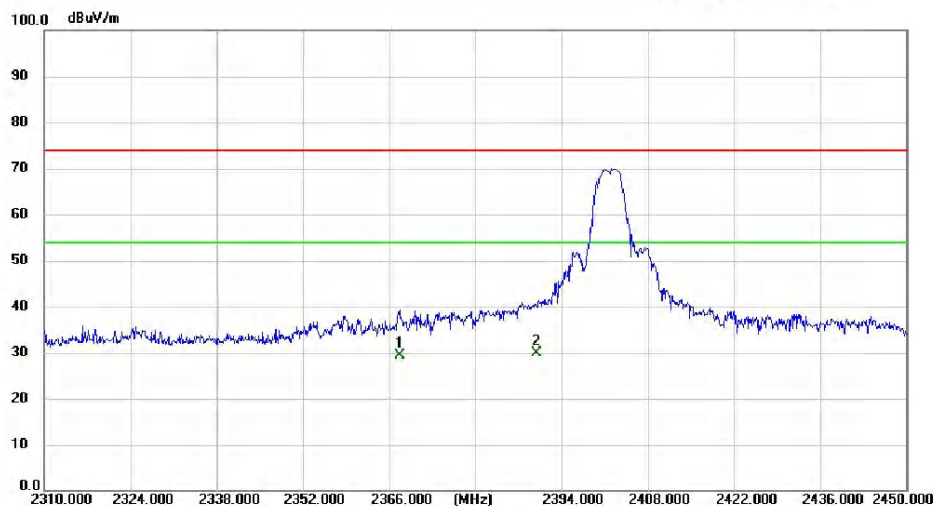


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Wireless Microphone Pair	Distance: 3m	Humidity: 54 %RH
M/N: NS-PSMCPAIR	Test Engineer: Jeffrey	
Test Mode: BLE2M 2402		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/22 19:51:44



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	2367.698	53.28	-23.96	29.32	54.00	-24.68	AVG	150	152	P	
2 *	2390.000	53.72	-23.89	29.83	54.00	-24.17	AVG	150	311	P	

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

File: 接收器-BD\Data :#1

Page: 1

Engineer Signature:

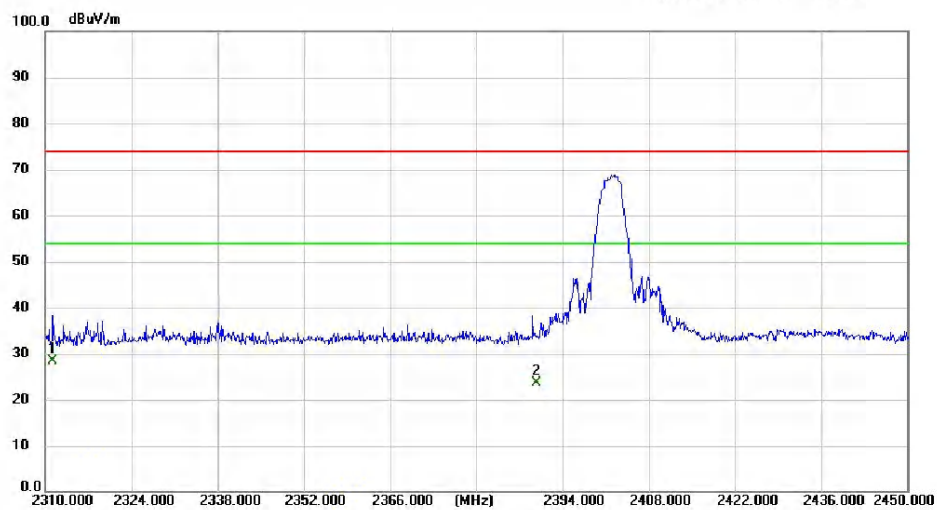


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Wireless Microphone Pair	Distance: 3m	Humidity: 54 %RH
M/N: NS-PSMCPAIR	Test Engineer: Jeffrey	
Test Mode: BLE2M 2402		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/22 19:58:46



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 *	2311.365	52.42	-24.14	28.28	54.00	-25.72	AVG	150	281	P	
2	2390.000	47.49	-23.89	23.60	54.00	-30.40	AVG	150	155	P	

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

File: 接收器-BD\Data :#2

Page: 1

Engineer Signature:



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

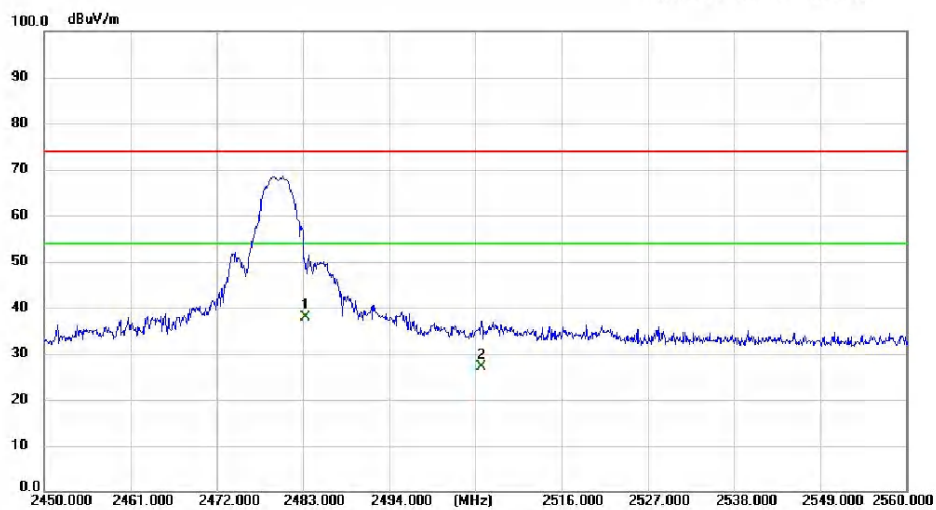
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE2M 2480
Test Voltage: Battery
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/22 20:06:35



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 *	2483.500	61.45	-23.58	37.87	54.00	-16.13	AVG	150	185	P	
2	2505.825	50.56	-23.51	27.05	54.00	-26.95	AVG	150	272	P	

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

File: 接收器-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

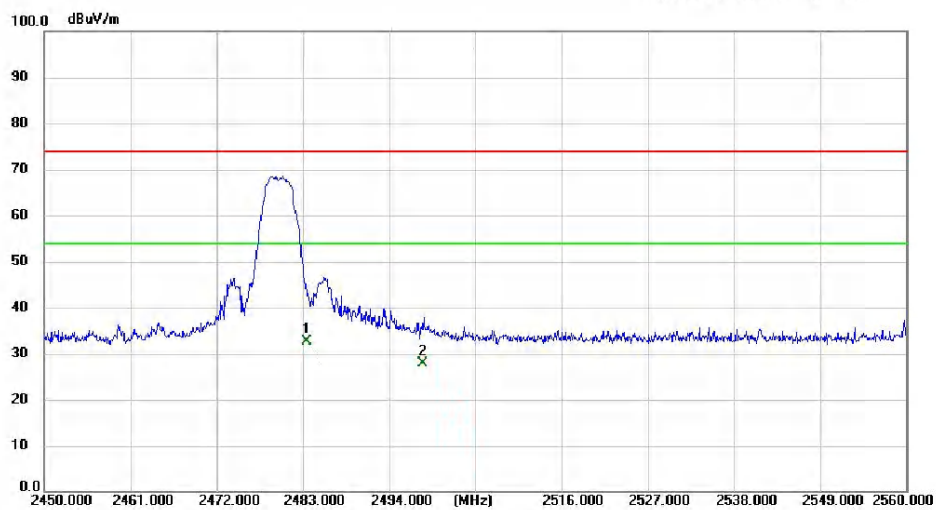
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE2M 2480
Test Voltage: Battery
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/22 20:12:26



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	56.17	-23.58	32.59	54.00	-21.41	AVG	150	293	P	
2	2498.441	51.36	-23.53	27.83	54.00	-26.17	AVG	150	159	P	

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

File: 接收器-BD\Data :#4

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Engineer Signature:



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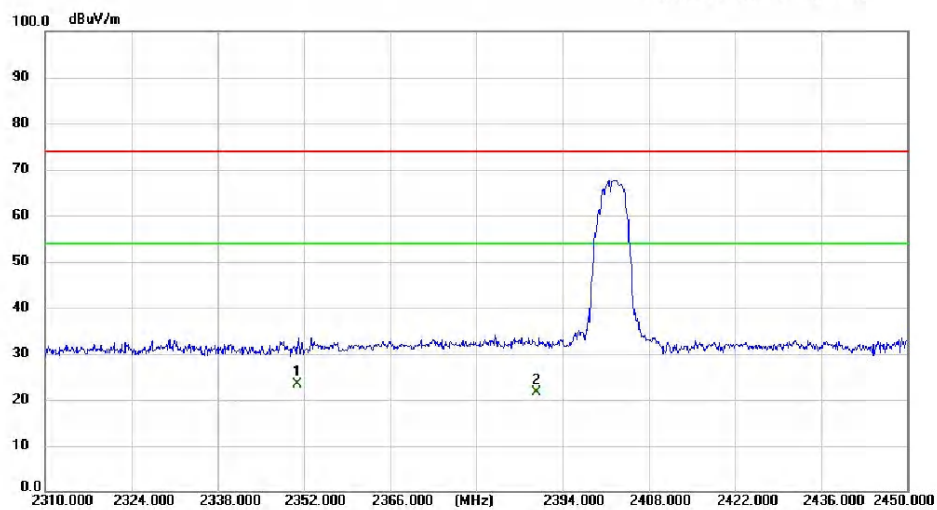
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE1M 2402
Test Voltage: Battery
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/22 20:19:30



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 *	2351.247	47.41	-24.02	23.39	54.00	-30.61	AVG	150	287	P	
2	2390.000	45.43	-23.89	21.54	54.00	-32.46	AVG	150	161	P	

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

File: 接收器-BD\Data :#5

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Engineer Signature:



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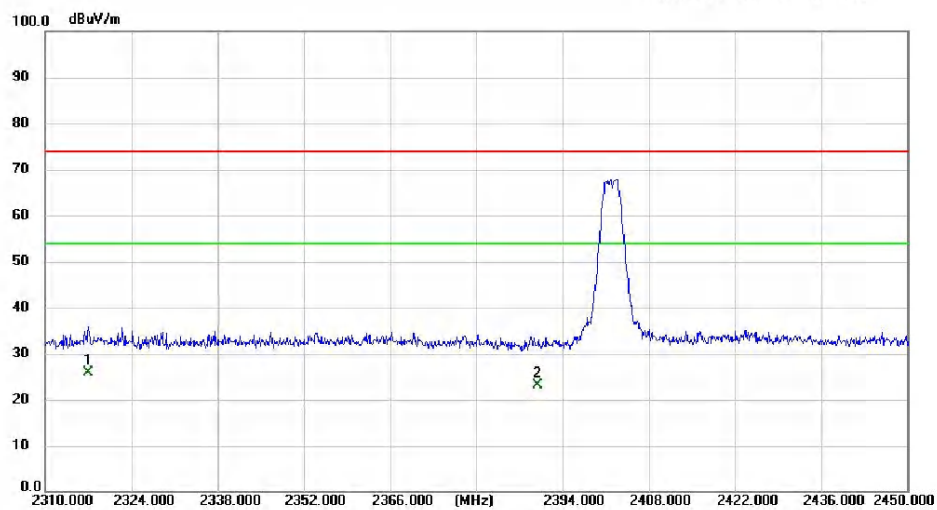
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE1M 2402
Test Voltage: Battery
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/22 20:26:31



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 *	2317.088	49.89	-24.13	25.76	54.00	-28.24	AVG	150	285	P	
2	2390.000	47.08	-23.89	23.19	54.00	-30.81	AVG	150	142	P	

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

File: 接收器-BD\Data :#6

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Engineer Signature:

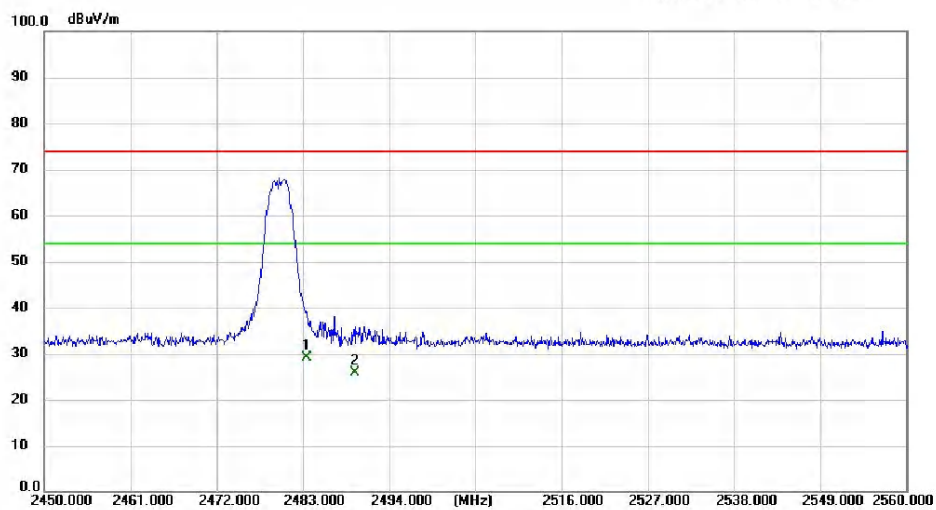


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

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: BLE1M 2480		
Test Voltage: Battery		
Note:		

Radiated Emission Measurement

Test Date: 2026/6/22 20:33:40



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	52.61	-23.58	29.03	54.00	-24.97	AVG	150	265	P	
2	2489.738	49.50	-23.57	25.93	54.00	-28.07	AVG	150	189	P	

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

File: 接收器-BD\Data :#7

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Engineer Signature:



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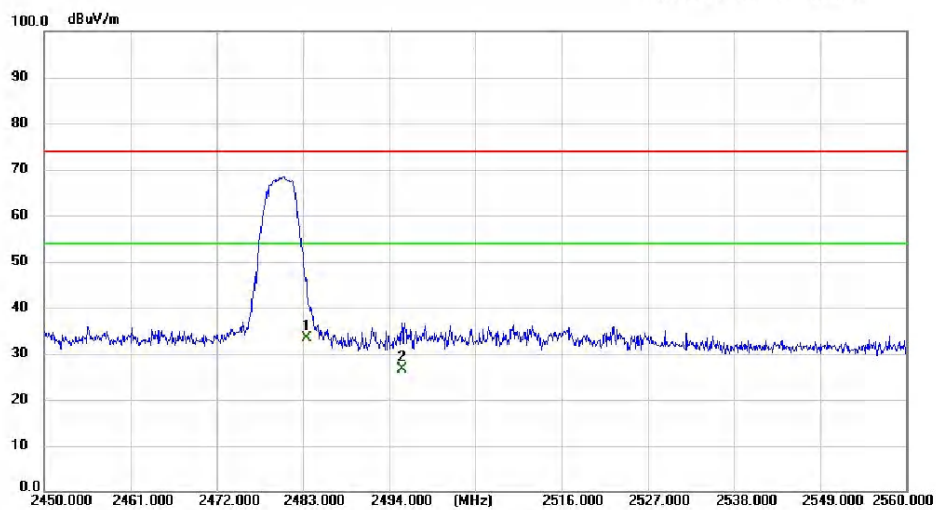
Test Site: PSI EMC Lab-3m Chamber
EUT: Wireless Microphone Pair
M/N: NS-PSMCPAIR
Test Mode: BLE1M 2480
Test Voltage: Battery
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/6/22 20:39:29



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	56.85	-23.58	33.27	54.00	-20.73	AVG	150	109	P	
2	2495.664	50.17	-23.54	26.63	54.00	-27.37	AVG	150	268	P	

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

File: 接收器-BD\Data :#8

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Engineer Signature:

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



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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

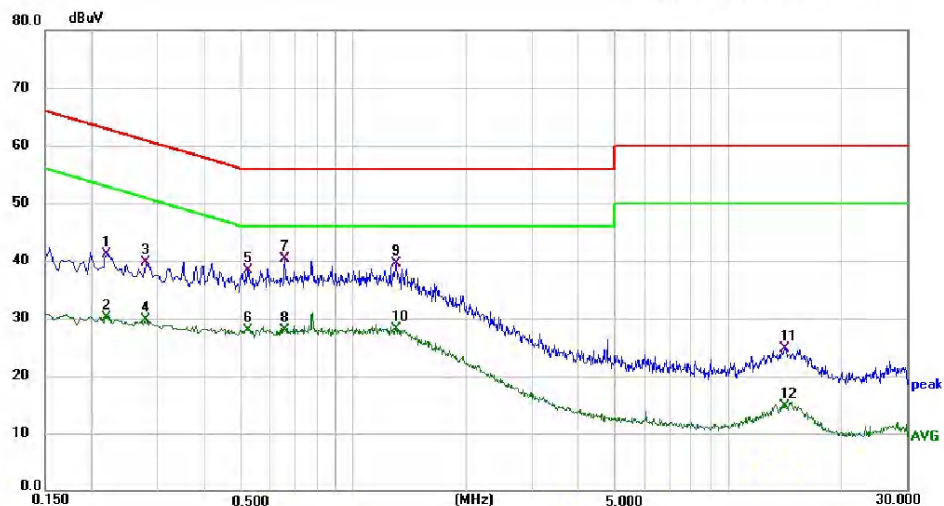
Test Mode: BLE Mode

Test Voltage: AC 120V/60Hz

Note:

Conducted Emission Measurement

Test Date: 2026/6/27 16:19:27



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2180	31.79	9.40	41.19	62.89	-21.70	QP	P	
2	0.2180	20.62	9.40	30.02	52.89	-22.87	AVG	P	
3	0.2779	30.30	9.40	39.70	60.88	-21.18	QP	P	
4	0.2779	20.32	9.40	29.72	50.88	-21.16	AVG	P	
5	0.5220	28.58	9.72	38.30	56.00	-17.70	QP	P	
6	0.5220	18.27	9.72	27.99	46.00	-18.01	AVG	P	
7 *	0.6540	30.39	9.85	40.24	56.00	-15.76	QP	P	
8	0.6540	18.09	9.85	27.94	46.00	-18.06	AVG	P	
9	1.3020	29.93	9.54	39.47	56.00	-16.53	QP	P	
10	1.3020	18.66	9.54	28.20	46.00	-17.80	AVG	P	
11	14.1740	15.26	9.48	24.74	60.00	-35.26	QP	P	
12	14.1740	5.15	9.48	14.63	50.00	-35.37	AVG	P	

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

File: CE\Data :#3

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-Shielded Room

Phase: **L1**

Temperature: 26 °C

EUT: Wireless Microphone Pair

Humidity: 54 %RH

M/N: NS-PSMCPAIR

Test Engineer: Jeffrey

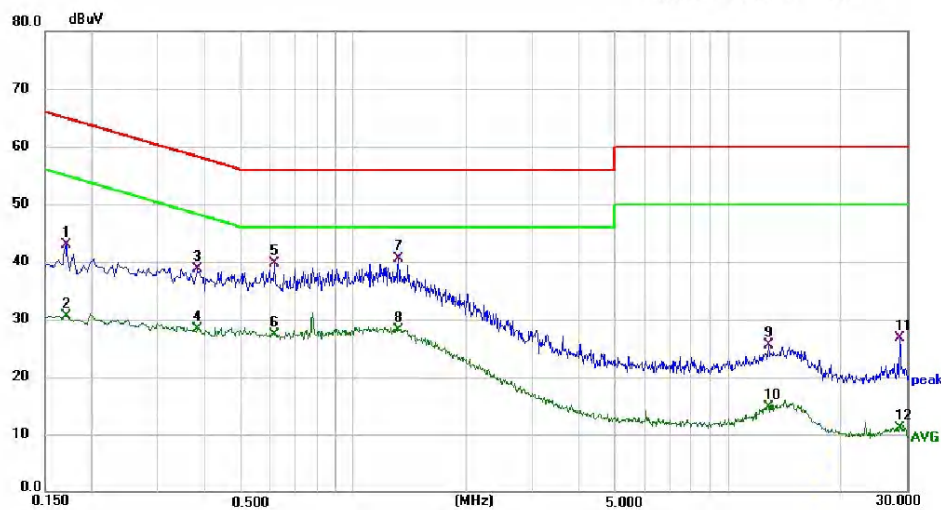
Test Mode: BLE Mode

Test Voltage: AC 120V/60Hz

Note:

Conducted Emission Measurement

Test Date: 2026/6/27 16:26:12



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1700	33.32	9.58	42.90	64.96	-22.06	QP	P	
2	0.1700	20.97	9.58	30.55	54.96	-24.41	AVG	P	
3	0.3820	29.39	9.40	38.79	58.24	-19.45	QP	P	
4	0.3820	18.94	9.40	28.34	48.24	-19.90	AVG	P	
5	0.6140	30.24	9.53	39.77	56.00	-16.23	QP	P	
6	0.6140	17.84	9.53	27.37	46.00	-18.63	AVG	P	
7 *	1.3220	30.71	9.83	40.54	56.00	-15.46	QP	P	
8	1.3220	18.28	9.83	28.11	46.00	-17.89	AVG	P	
9	12.8220	15.89	9.71	25.60	60.00	-34.40	QP	P	
10	12.8220	5.07	9.71	14.78	50.00	-35.22	AVG	P	
11	28.6380	17.18	9.53	26.71	60.00	-33.29	QP	P	
12	28.6380	1.48	9.53	11.01	50.00	-38.99	AVG	P	

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

File: CE\Data_#4

Page: 1

Engineer Signature: