

RADIO TEST REPORT

Product : Wireless Headset

Model Name : HS2706

Test Regulation : Article 2 paragraph 1 item 19, MIC notice 88 Appendix 43
ARIB STD-T66

Received Date : 2026/6/15

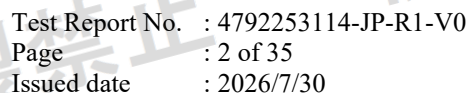
Test Date : 2026/6/17

Issued Date : 2026/7/30

Applicant : Luxshare Precision Industry Co., Ltd.
Floor 2,Block A,Sanyo New Industrial Area, West Haoyi
Community,Shajing Subdistrict Office, Bao an District
Shenzhen, P. R. China

Issued By : Underwriters Laboratories Taiwan Co., Ltd.
Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd.,
Zhudong Township, Hsinchu County, Taiwan

The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report are responsible of the test sample(s) provided by the client only and are not to be used to indicate applicability to other similar products.



Original Test Report No.: 4792253114-JP-R1-V0

Underwriters Laboratories Taiwan Co., Ltd.

Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

Doc No: Form-ULID-004802 (17-EM-F0967) / 4.1

Table of Contents

1. Attestation of Test Results	4
2. Summary of Test Results	5
3. Test Methodology and Reference Procedures.....	6
4. Facilities and Accreditation	6
5. Measurement Uncertainty	7
6. General Information.....	8
6.1. General Description of EUT	8
6.2. Description of test mode	10
6.3. Test Condition.....	11
6.4. Description of Available Antennas	12
6.4.1. Antenna Specification.....	12
6.4.2. Antenna Pattern	12
7. Test Instruments	13
8. Test Results	14
8.1. Frequency Tolerance.....	14
8.1.1. Requirements	14
8.1.2. Test Setup	14
8.1.3. Test Results.....	15
8.2. Occupied Bandwidth (99% Channel Power Bandwidth).....	16
8.2.1. Requirements	16
8.2.2. Test Setup	16
8.2.3. Test Results.....	17
8.3. Spreading Bandwidth (90% Channel Power Bandwidth).....	19
8.3.1. Requirements	19
8.3.2. Test Setup	19
8.3.3. Test Results.....	20
8.4. Spurious Emissions for Transmitter.....	22
8.4.1. Requirements	22
8.4.2. Test Setup	22
8.4.3. Test Results.....	23
8.5. Antenna Power.....	27
8.5.1. Requirements	27
8.5.2. Test Setup	27
8.5.3. Test Results.....	28
8.6. Spurious Emissions for Receiver	29
8.6.1. Requirements	29
8.6.2. Test Setup	29
8.6.3. Test Results.....	30
8.7. Interference Prevention Function.....	34
8.7.1. Requirements	34
8.7.2. Test Setup	34
8.7.3. Test Results.....	34
9. Conducted Emission Measurement Setup Configurations.....	35

1. Attestation of Test Results

APPLICANT: Luxshare Precision Industry Co., Ltd.
Floor 2,Block A,Sanyo New Industrial Area, West Haoyi
Community,Shajing Subdistrict Office, Bao an District Shenzhen, P.
R. China

MANUFACTURER: Luxshare Precision Industry Co., Ltd.
2nd floor,A building,Sanyo New Industrial Area,West of
Maoyi,Shajing Street,Ban'an District,Shenzhen City,Guangdong
Province,China

EUT DESCRIPTION: Wireless Headset

BRAND: Dell

MODEL: HS2706

SAMPLE STAGE: Engineering Verification Test Sample

DATE of TESTED: 2026/06/17

APPLICABLE STANDARDS	
STANDARD	Test Results
Article 2 paragraph 1 item 19, MIC notice 88 Appendix 43	PASS
ARIB STD-T66	PASS

Underwriters Laboratories Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Underwriters Laboratories Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by Underwriters Laboratories Taiwan Co., Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Underwriters Laboratories Taiwan Co., Ltd. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Prepared By:



James Chan
Laboratory Test Engineer

Date : 2026/7/30

Approved and Authorized By:



Eric Lee
Senior Laboratory Engineer

Date : 2026/7/30

2. Summary of Test Results

Summary of Test Results		
Test Items	MIC Notice	Test Result
Frequency Tolerance	MIC Notice No. 88 Appendix No. 43	PASS
Occupied Bandwidth (99% channel power bandwidth)		PASS
Spreading Bandwidth (90% channel power bandwidth)		PASS
Spurious Emission Transmitter		PASS
Antenna Power		PASS
Spurious Emission Receiver		PASS
Interference Prevention Function		PASS

3. Test Methodology and Reference Procedures

The tests documented in this report were performed in accordance with Article 2 paragraph 1 item 19, MIC notice 88 Appendix 43.

4. Facilities and Accreditation

Test Location	Underwriters Laboratories Taiwan Co., Ltd.
Address	Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
Accreditation Certificate	Underwriters Laboratories Taiwan Co., Ltd. is accredited by TAF, Laboratory Code 3398.

5. Measurement Uncertainty

For statement of conformity, Simple acceptance (Section 3.1.4 of IEC Guide 115) was applied as decision rule for measurement in this test report.

The following uncertainties have been calculated to provide a confidence level of 95 % using a coverage factor $k=2$.

Determining compliance based on the results of the compliance measurement, not considering measurement instrumentation uncertainty.

Parameter	Uncertainty
Occupied Bandwidth & Spreading Bandwidth	0.13 %
TX and RX Spurious Emission	2.7 dB
Out of band leakage power and Antenna Power	2.4 dB
Dwell time	0.21 %
Carrier Sense Capability	2.9 dB

6. General Information

6.1. General Description of EUT

Product	Wireless Headset
Brand	Dell
Model Name	HS2706
Nominal Voltage	5Vdc from Host 3.82Vdc from Battery
Operating Frequency	2402MHz ~ 2480MHz
Modulation	GFSK
Transfer Rate	Up to 2 Mbps
Sample ID	9847261

Note:

1. The EUT contains following accessory devices:

Product	Brand	Model	Description
USB dongle	Dell	UD2403	-
USB C TO A Adapter	HAOYANG	USB C TO A Adapter	-
USB Cable	LianTao Electronics Co., Ltd.	2M06-00000-0030H	-

2. EUT is equipped with a built-in rechargeable battery with the following table:

Brand	Model	Description
Apower Electronics Co.,Ltd	AEC382631	3.82Vdc, 150mA, 500mAh
SYNergy ScienTech Corp.	AHB362631KPCT	3.82Vdc, 150mA, 500mAh

3. The power table as below:

Mode	Total Conducted RF Output Power Density (mW)	Rated Power (mW)	Radiated RF Output Power Density (mW)
BT LE_1Mbps	5.45	5.45	9.89
BT LE_2Mbps	5.41	5.41	9.82

6.2. Description of test mode

40 channels are provided for BT-LE mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	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

BT LE Test Mode

Modes	Channel	Frequency (MHz)
BT LE_1Mbps	0 to 39	0,19,39
BT LE_2Mbps	1 to 38	1,19,38

By means of test software provided by manufacture, the power levels during the tests were set according to the following codes:

The EUT power setting list as below:

Mode	Channel	Power Setting
BT LE_1Mbps	0	56
	19	56
	39	56
Mode	Channel	Power Setting
BT LE_2Mbps	1	56
	19	56
	38	56

6.3. Test Condition

Test Item	Test Site No.	Environmental	Input Power	Test Date	Tested by
Antenna Port Conducted Measurement	SR4	22°C/ 63%RH	3.82Vdc	2026/06/17	Rex Chen

Test Conditions	Voltage (Vdc)
Vnormal	3.82

Note: Since the input voltage to receiver RF circuit varies below $\pm 1\%$ when the input voltage from the external power supply to the receiver varies $\pm 10\%$, therefore only execute normal condition test.

6.4. Description of Available Antennas

6.4.1. Antenna Specification

The antennas provided to the EUT, we select the highest gain on each frequency band for calculation and testing, please refer to the following table:

Ant. No.	Transmitter Circuit	Frequency Range	Brand Name	Model Name	Maximum Gain (dBi)	Ant. Type	Connector Type
1	Chain0	2400 ~ 2500MHz	TOPLINK	MD03-FPC	2.59	IFA	None

*The above antenna information was provided from customer and for more detailed features description, please refer the manufacturer's specification or user's manual, the laboratory shall not be held responsible.

6.4.2. Antenna Pattern

Please refer to the manufacturer's antenna report.

7. Test Instruments

Test Equipment List							
Description	Manufacturer	Model No.	Serial No.	Calibration Authority	Cal. Method	Cal. Date	Expired date
Spectrum Analyzer	Rohde & Schwarz	FSVA3044	101281	Electronics Testing Center	c)	2026/2/2	2027/2/1
Spectrum Analyzer	Rohde & Schwarz	FSV40	101490	Electronics Testing Center	c)	2026/6/2	2027/6/1
Power meter	Anritsu	MA2411B	1531202	Electronics Testing Center	c)	2025/11/11	2026/11/10
Power sensor	Anritsu	ML2495A	1645002	Electronics Testing Center	c)	2025/11/11	2026/11/10
Signal Generator	Keysight	N5182B	MY56200244	Electronics Testing Center	c)	2025/11/11	2026/11/10

Note: Calibration Method

- a) : Calibration conducted by the National Institute of Information and Communications Technology ~NICT~ or a designated calibration agency under Article 102-18 paragraph (1) ~ TELEC Engineering Center, Intertek Japan K.K., Keysight Technologies, Inc ~.
- b) : Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) ~Japan Calibration Service System~.
- c) : Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1) ~ TELEC Engineering Center, Intertek Japan K.K., Keysight Technologies, Inc ~.
- d) : Calibration conducted by using other equipment that listed above from a) to c).

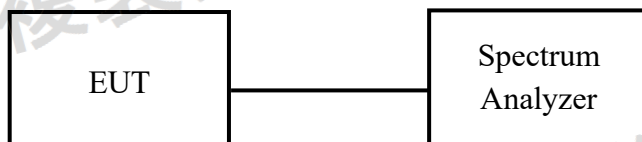
8. Test Results

8.1. Frequency Tolerance

8.1.1. Requirements

The limitation of Frequency Tolerance is less than or equal to $\pm 50\text{ppm}$.

8.1.2. Test Setup



8.1.3. Test Results

Test Voltage	Result
NV	PASS

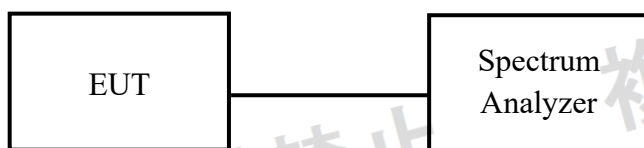
Mode	Chain	CH	Freq (MHz)	Carrier Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)
BT LE(1Mbps)	Chain 0	0	2402	2401.99	-4.16	50
	Chain 0	19	2440	2439.99	-4.1	50
	Chain 0	39	2480	2479.989	-4.44	50
BT LE(2Mbps)	Chain 0	1	2404	2403.989	-4.58	50
	Chain 0	19	2440	2439.989	-4.51	50
	Chain 0	38	2478	2477.989	-4.44	50

8.2. Occupied Bandwidth (99% Channel Power Bandwidth)

8.2.1. Requirements

Item	Limits
Occupied Bandwidth	FH, FH+DS, FH+OFDM: $\leq 83.5\text{MHz}$ Others: $\leq 26\text{MHz}$ OFDM1: $\leq 26\text{MHz}$ OFDM2: $26\text{MHz} < \text{BW} \leq 40\text{MHz}$

8.2.2. Test Setup



8.2.3. Test Results

Test Voltage	Result
NV	PASS

Mode	Chain	CH	Freq (MHz)	OBW (MHz)	Limit (MHz)
BT LE(1Mbps)	Chain 0	0	2402	1.251	26
	Chain 0	19	2440	1.251	26
	Chain 0	39	2480	1.251	26
BT LE(2Mbps)	Chain 0	1	2404	1.855	26
	Chain 0	19	2440	1.855	26
	Chain 0	38	2478	1.856	26

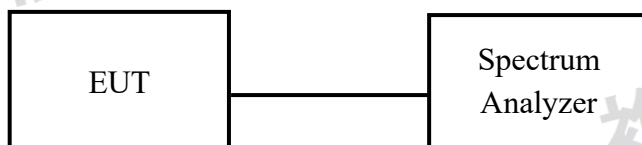


8.3. Spreading Bandwidth (90% Channel Power Bandwidth)

8.3.1. Requirements

Item	Limit	Remark
Spreading Bandwidth	≥ 500 kHz	(For DSSS, FHSS)
Spreading Factor	≥ 5	Operating frequency 2400 to 2483.5 MHz

8.3.2. Test Setup



8.3.3. Test Results

Test Voltage	Result
NV	PASS

Mode	Chain	CH	Freq (MHz)	SBW (MHz)	Limit (MHz)	Spreading Factor	Limit
BT LE(1Mbps)	Chain 0	0	2402	0.836	0.5	13.376	5
	Chain 0	19	2440	0.836	0.5	13.379	5
	Chain 0	39	2480	0.836	0.5	13.381	5
BT LE(2Mbps)	Chain 0	1	2404	1.34	0.5	21.441	5
	Chain 0	19	2440	1.339	0.5	21.426	5
	Chain 0	38	2478	1.339	0.5	21.429	5



8.4. Spurious Emissions for Transmitter

8.4.1. Requirements

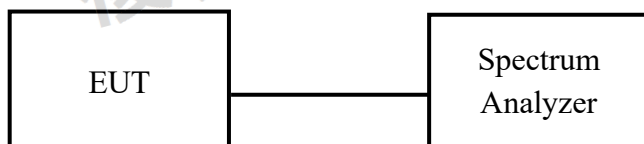
For 2.4 GHz ~ 2.483 GHz (Ch1 to Ch13)

Frequencies	Limits	
30MHz-1GHz	$\leq 0.25 \mu\text{W}/100\text{kHz}$	$\leq -36\text{dBm} / 100\text{kHz}$
1GHz-2.387GHz	$\leq 2.5 \mu\text{W}/\text{MHz}$	$\leq -26\text{dBm} / \text{MHz}$
2.387GHz-2.4GHz	$\leq 25 \mu\text{W}/\text{MHz}$	$\leq -16\text{dBm} / \text{MHz}$
2.4835GHz-2.4965GHz	$\leq 25 \mu\text{W}/\text{MHz}$	$\leq -16\text{dBm} / \text{MHz}$
2.4965GHz -12.5GHz	$\leq 2.5 \mu\text{W}/\text{MHz}$	$\leq -26\text{dBm} / \text{MHz}$

Note: The unit conversion for the test results dBm to μW is:

$$P(\mu\text{W}) = 10^{\frac{P(\text{dBm}) + 30}{10}}$$

8.4.2. Test Setup

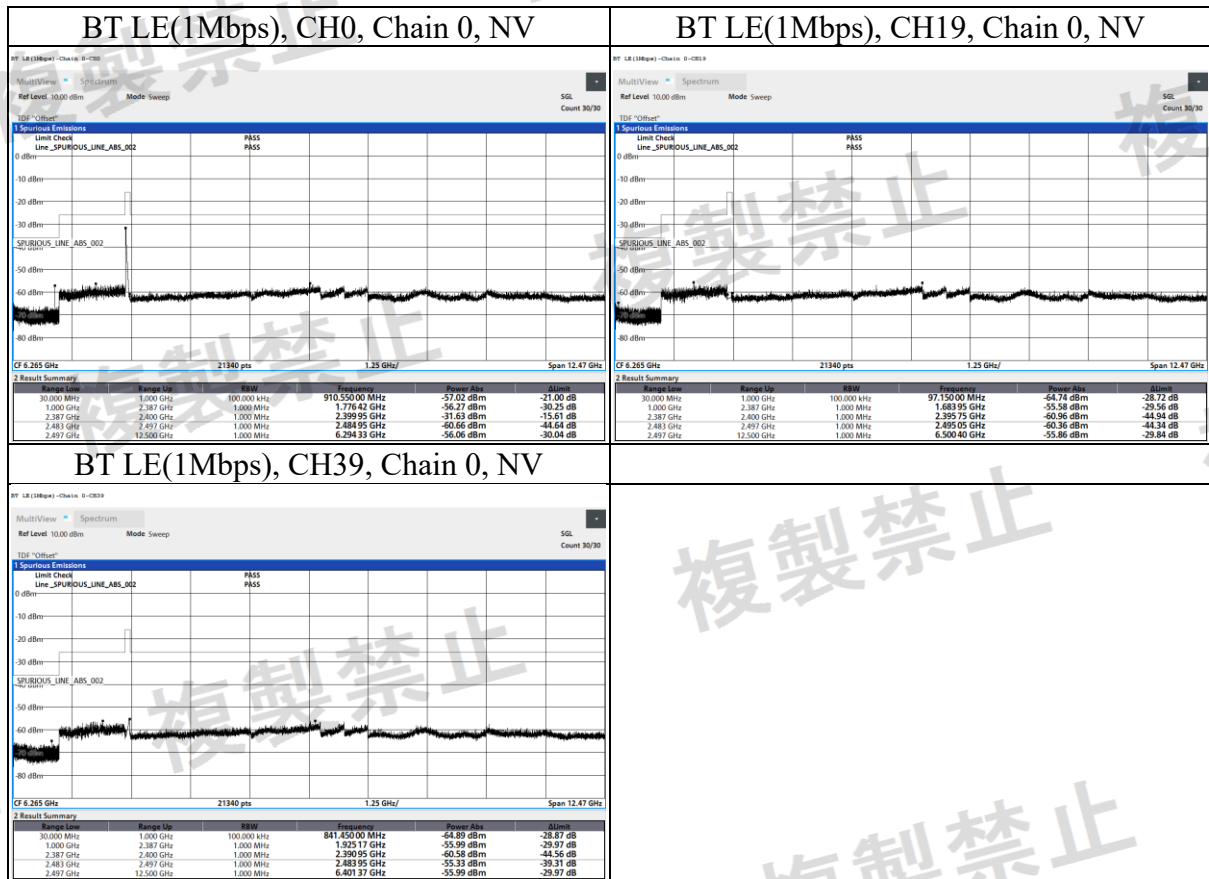


8.4.3. Test Results

Mode	Test Voltage	Result
BT LE(1Mbps)	NV	PASS

CH	Freq Range Low	Freq Range Up	Chain 0 Freq	Chain 0 Level	Worst +10*log(N)	Limit
0	30M	1G	910.55M	0.001986	0.001986	0.25
	1G	2.387G	1.776G	0.002359	0.002359	2.5
	2.387G	2.4G	2.4G	0.686469	0.686469	25
	2.4835G	2.4965G	2.485G	0.000860	0.000860	25
	2.4965G	12.5G	6.294G	0.002475	0.002475	2.5
19	30M	1G	97.15M	0.000336	0.000336	0.25
	1G	2.387G	1.684G	0.002764	0.002764	2.5
	2.387G	2.4G	2.396G	0.000801	0.000801	25
	2.4835G	2.4965G	2.495G	0.000921	0.000921	25
	2.4965G	12.5G	6.5G	0.002595	0.002595	2.5
39	30M	1G	841.45M	0.000324	0.000324	0.25
	1G	2.387G	1.925G	0.002516	0.002516	2.5
	2.387G	2.4G	2.391G	0.000875	0.000875	25
	2.4835G	2.4965G	2.484G	0.002931	0.002931	25
	2.4965G	12.5G	6.401G	0.002520	0.002520	2.5

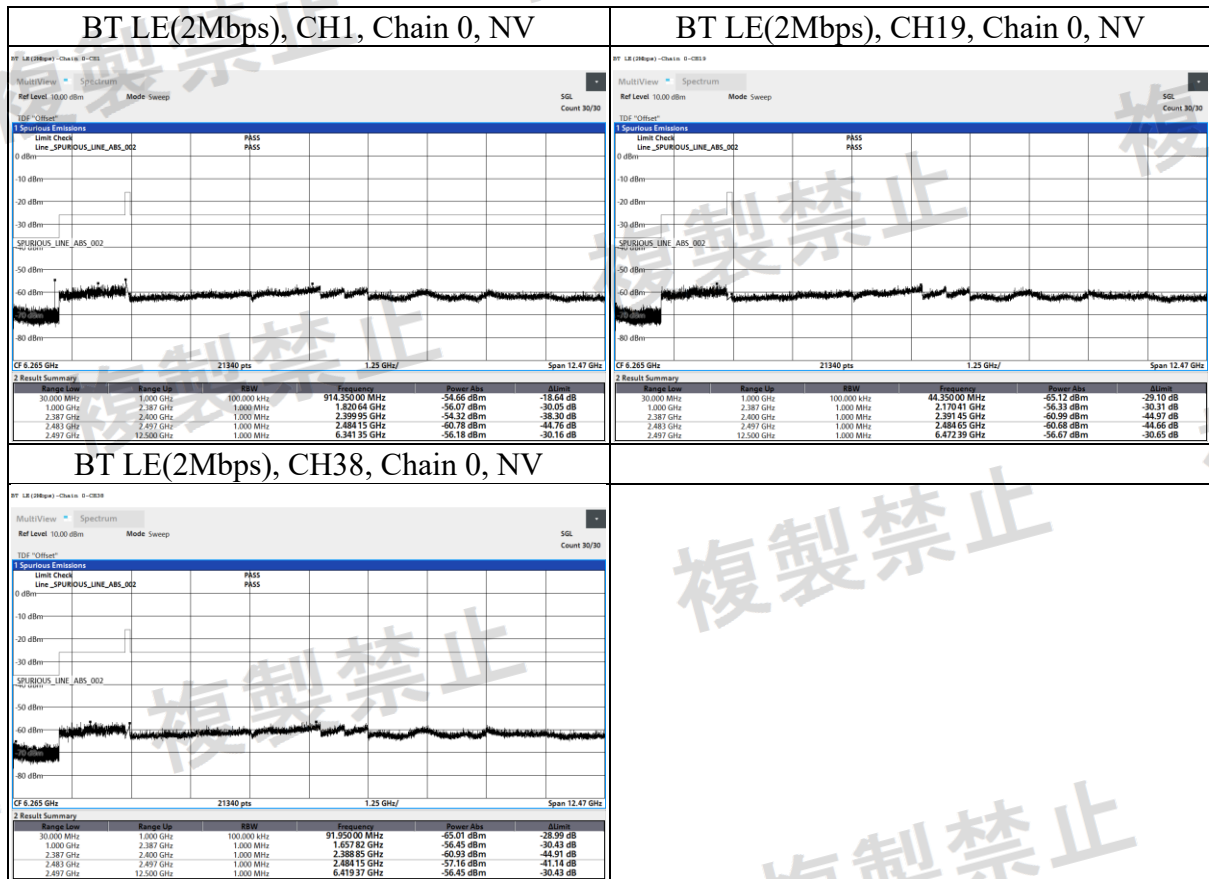
Note: For frequency unit (Freq) is "Hz", for Level & Limit above 1GHz unit is "uW/MHz", for Level & Limit below 1GHz unit is "uW/100kHz".



Mode	Test Voltage	Result
BT LE(2Mbps)	NV	PASS

CH	Freq Range Low	Freq Range Up	Chain 0 Freq	Chain 0 Level	Worst +10*log(N)	Limit
1	30M	1G	914.35M	0.003416	0.003416	0.25
	1G	2.387G	1.821G	0.002471	0.002471	2.5
	2.387G	2.4G	2.4G	0.003698	0.003698	25
	2.4835G	2.4965G	2.484G	0.000835	0.000835	25
	2.4965G	12.5G	6.341G	0.002409	0.002409	2.5
19	30M	1G	44.35M	0.000307	0.000307	0.25
	1G	2.387G	2.17G	0.002328	0.002328	2.5
	2.387G	2.4G	2.391G	0.000796	0.000796	25
	2.4835G	2.4965G	2.485G	0.000854	0.000854	25
	2.4965G	12.5G	6.472G	0.002152	0.002152	2.5
38	30M	1G	91.95M	0.000315	0.000315	0.25
	1G	2.387G	1.658G	0.002265	0.002265	2.5
	2.387G	2.4G	2.389G	0.000807	0.000807	25
	2.4835G	2.4965G	2.484G	0.001922	0.001922	25
	2.4965G	12.5G	6.419G	0.002264	0.002264	2.5

Note: For frequency unit (Freq) is "Hz", for Level & Limit above 1GHz unit is "uW/MHz", for Level & Limit below 1GHz unit is "uW/100kHz".

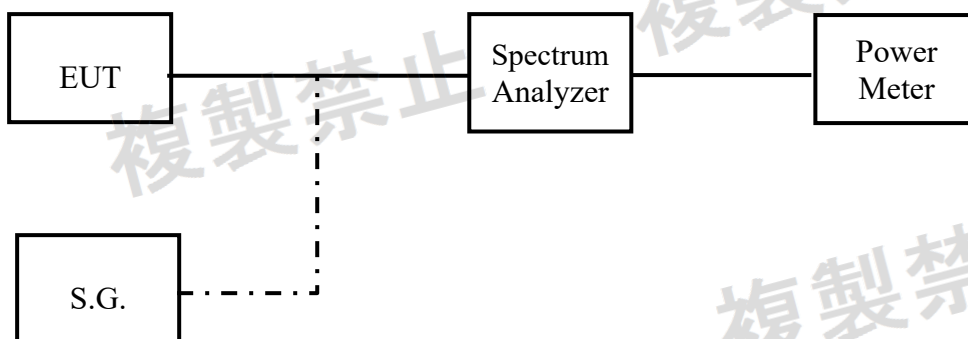


8.5. Antenna Power

8.5.1. Requirements

Item	Limits
Antenna Power Density	FH, FH+DS, FH+OFDM: $\leq 3 \text{ mW/MHz}$ (2427~2470.75MHz)
	DS: $\leq 10 \text{ mW/MHz}$
	OFDM: $\leq 10 \text{ mW/MHz}$ (Bandwidth $\leq 26\text{MHz}$)
	OFDM: $\leq 5 \text{ mW/MHz}$ ($26\text{MHz} < \text{Bandwidth} \leq 40\text{MHz}$)
	Others: $\leq 10 \text{ mW}$
Antenna Power Error	+20%, -80% (Based on manufacturer declared antenna power density)

8.5.2. Test Setup



8.5.3. Test Results

Link Mode	Test Result
Normal	PASS

Bluetooth LE

BT LE_1Mbps

Normal Voltage

Channel	Antenna Power (mW)	Antenna Power Limit (mW)	Rated Power (mW)	Antenna Power Tolerance (%)	Tolerance Range Limit (%)	Antenna Gain (dBi)	EIRP Antenna Power (mW)	EIRP Antenna Power Limit (mW)
0	5.45	10.00	5.45	0.00	+20% ~ -80%	2.59	9.89	16.37
19	5.24	10.00	5.45	-3.85	+20% ~ -80%	2.59	9.51	16.37
39	4.94	10.00	5.45	-9.36	+20% ~ -80%	2.59	8.97	16.37

Note:

1. Antenna Power Tolerance (%) = {(Conducted Antenna Power – Rated power)/Rated power*100}.
2. EIRP Antenna Power = Conducted Antenna Power + Antenna gain.

BT LE_2Mbps

Normal Voltage

Channel	Antenna Power (mW)	Antenna Power Limit (mW)	Rated Power (mW)	Antenna Power Tolerance (%)	Tolerance Range Limit (%)	Antenna Gain (dBi)	EIRP Antenna Power (mW)	EIRP Antenna Power Limit (mW)
1	5.41	10.00	5.41	0.00	+20% ~ -80%	2.59	9.82	16.37
19	5.21	10.00	5.41	-3.70	+20% ~ -80%	2.59	9.46	16.37
38	4.93	10.00	5.41	-8.87	+20% ~ -80%	2.59	8.95	16.37

Note:

1. Antenna Power Tolerance (%) = {(Conducted Antenna Power – Rated power)/Rated power*100}.
2. EIRP Antenna Power = Conducted Antenna Power + Antenna gain.

8.6. Spurious Emissions for Receiver

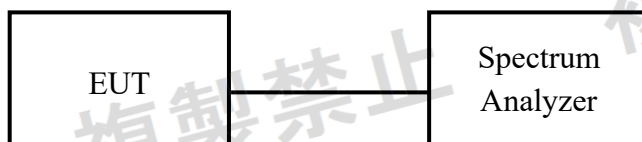
8.6.1. Requirements

Frequencies (MHz)	Limit
Below 1 GHz	$\leq 4 \text{ nW } (-54 \text{ dBm})$
Above 1 GHz	$\leq 20 \text{ nW } (-47 \text{ dBm})$

Note: The unit conversion for the test results dBm to nW is:

$$P(nW) = 10^{\frac{P(dBm) + 30}{10}} \times 1000$$

8.6.2. Test Setup

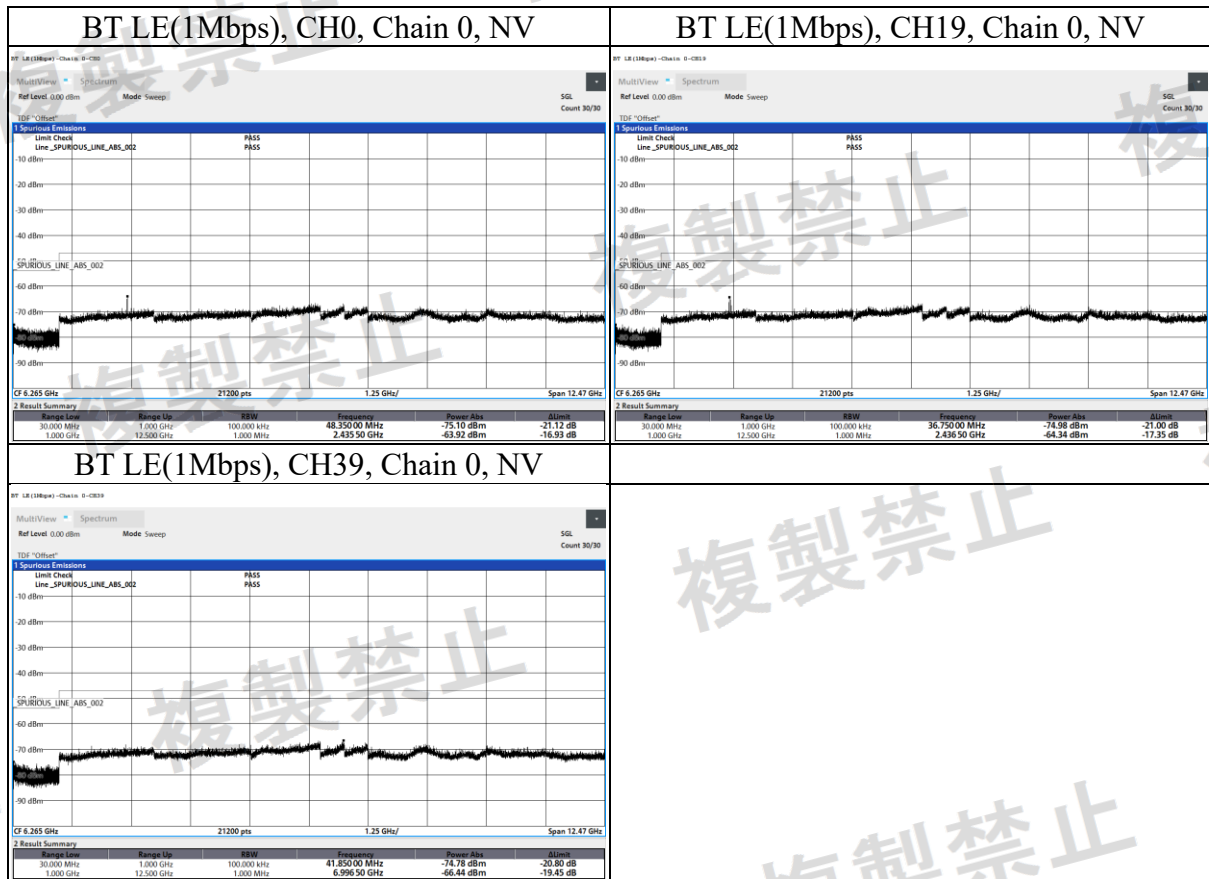


8.6.3. Test Results

Mode	Test Voltage	Result
BT LE(1Mbps)	NV	PASS

CH	Freq Range Low	Freq Range Up	Chain 0 Freq	Chain 0 Level (nW)	Sum (nW)	Limit (nW)
0	30M	1G	48.35M	0.030933	0.030933	4
	1G	12.5G	2.436G	0.405431	0.405431	20
19	30M	1G	36.75M	0.031763	0.031763	4
	1G	12.5G	2.437G	0.367748	0.367748	20
39	30M	1G	41.85M	0.033252	0.033252	4
	1G	12.5G	6.997G	0.227229	0.227229	20

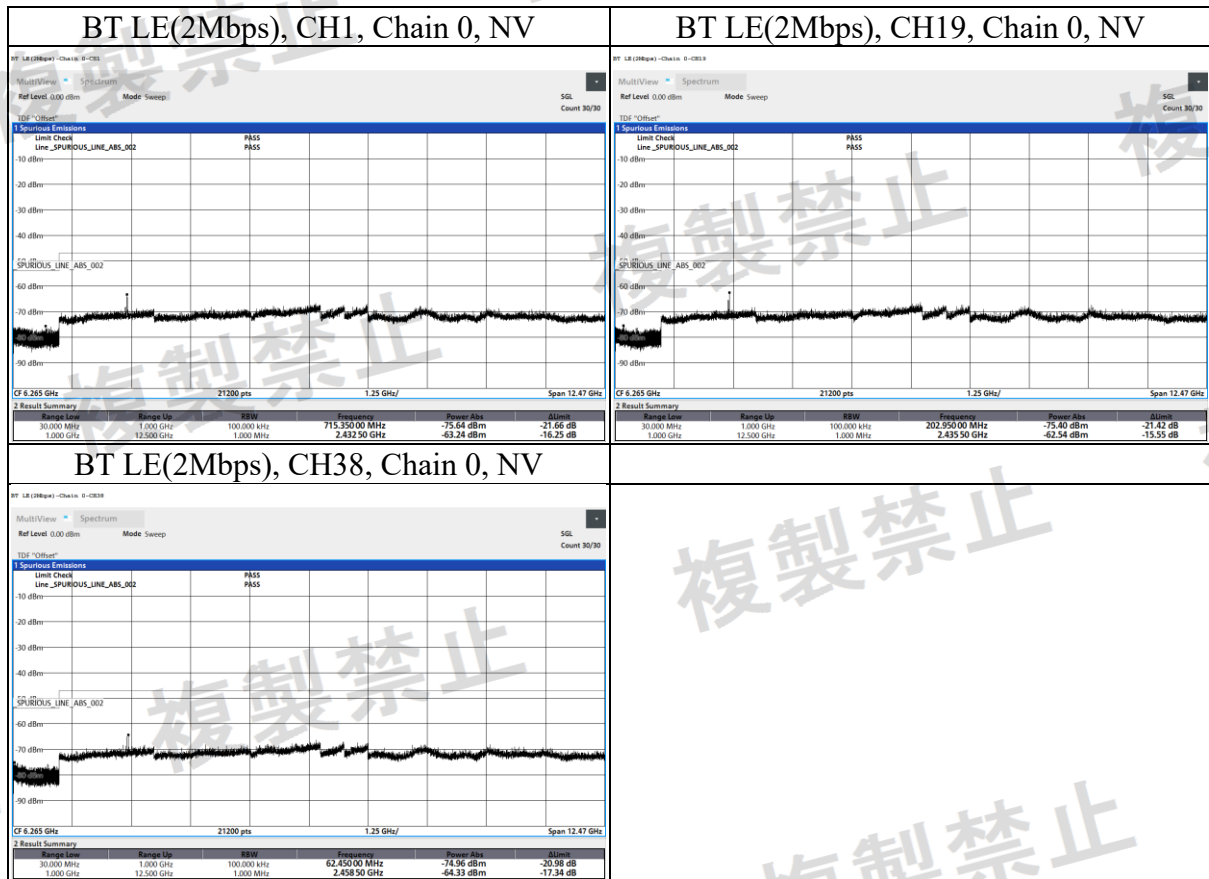
Note: For frequency unit (Freq) is "Hz".



Mode	Test Voltage	Result
BT LE(2Mbps)	NV	PASS

CH	Freq Range Low	Freq Range Up	Chain 0 Freq	Chain 0 Level (nW)	Sum (nW)	Limit (nW)
1	30M	1G	715.35M	0.027293	0.027293	4
	1G	12.5G	2.433G	0.474665	0.474665	20
19	30M	1G	202.95M	0.028810	0.028810	4
	1G	12.5G	2.436G	0.557793	0.557793	20
38	30M	1G	62.45M	0.031904	0.031904	4
	1G	12.5G	2.459G	0.368575	0.368575	20

Note: For frequency unit (Freq) is "Hz".

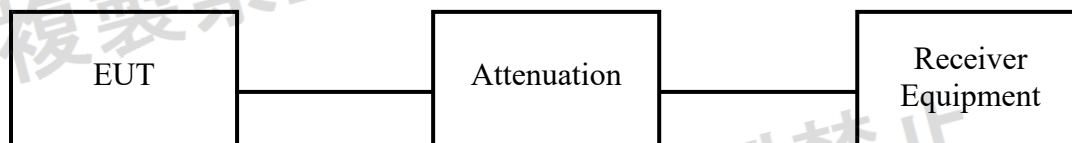


8.7. Interference Prevention Function

8.7.1. Requirements

Radio equipment used mainly on the same premises and automatically transmits or receives identification code.

8.7.2. Test Setup



8.7.3. Test Results

Link Mode	Test Result
Normal	PASS

9. Conducted Emission Measurement Setup Configurations

AC Power Line Conducted Emission: All Mode



END OF REPORT