

RADIO TEST REPORT

Product : Wireless Headset

Model Name : HS2706

Test Regulation : Article 2 paragraph 1 item 19, MIC notice 88 Appendix 43

Received Date : 2026/6/15

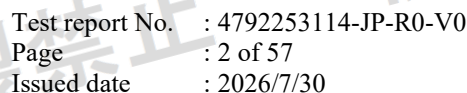
Test Date : 2026/6/17

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

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Original Test Report No.: 4792253114-JP-R0-V0

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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: 2026/6/17

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
Dwell Time		PASS
Spurious Emission Transmitter		PASS
Antenna Power		PASS
Spurious Emission Receiver		PASS
Interference Prevention Function		PASS

3. Test Methodology

The tests documented in this report were performed in accordance with Article 2 paragraph 1 item 19.

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. Equipment under Test

6.1. Description of EUT

Product	Wireless Headset
Brand	Dell
Model Name	HS2706
Nominal Voltage	5Vdc from Host 3.82Vdc from Battery

Radio Technology	Bluetooth BR/EDR
Operating Frequency	2402MHz ~ 2480MHz
Modulation	GFSK, $\pi/4$ -DQPSK and 8DPSK
Transfer Rate	Up to 3 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	Modulation	Total Conducted RF Output Power Density (mW/MHz)	Rated Power (mW/MHz)	Radiated RF Output Power Density (mW/MHz)
Normal Mode	GFSK	0.0762	0.0762	0.1383
	$\pi/4$ -DQPSK	0.0758	0.0758	0.1376
	8DPSK	0.0757	0.0757	0.1374
AFH Mode	GFSK	0.2988	0.2988	0.5425
	$\pi/4$ -DQPSK	0.2986	0.2986	0.5421
	8DPSK	0.2958	0.2958	0.537

6.2. Description of test mode

79 channels are provided for BT-BR/EDR mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461	-	-

NOTE 1: By means of test software provided by manufacture, the power levels during the tests were set according to the following codes:

NOTE 2: Pre-Scan has been conducted to determine the worst-case mode from packet type; we found the DH5 was the worst case, and chosen for final test. Following test items were selected for the final test as listed below.

BT BR/EDR Test Mode

Modulation Type	Available Channel	Test Channel	Packet Type
GFSK	0 to 78	0,39,78	DH5
$\pi/4$ -DQPSK	0 to 78	0,39,78	2DH5
8DPSK	0 to 78	0,39,78	3DH5

The EUT power setting list as below:

Mode	Channel	Power Setting
GFSK	0	56
	39	56
	78	56
Mode	Channel	Power Setting
$\pi/4$ -DQPSK	0	56
	39	56
	78	56
Mode	Channel	Power Setting
8DPSK	0	56
	39	56
	78	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

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).

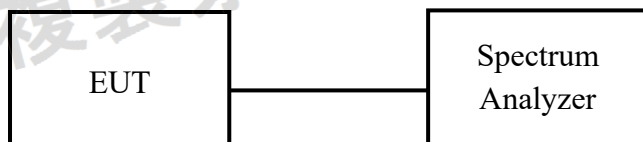
8. Test Results

8.1. Frequency Tolerance

8.1.1. Requirements

The limitation of Frequency Tolerance is less than or equal to ± 50 ppm.

8.1.2. Test Setup



8.1.3. Test Results

Test Voltage	Result
NV	Pass

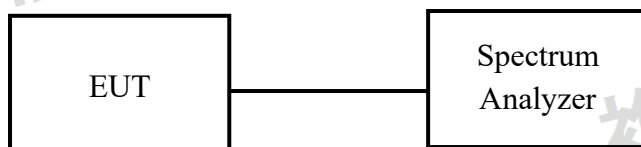
Mode	Chain	CH	Freq (MHz)	Carrier Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)
GFSK(DH5)	Chain 0	0	2402	2401.989	-4.58	50
	Chain 0	39	2441	2440.989	-4.51	50
	Chain 0	78	2480	2479.988	-4.84	50
DQPSK(2DH5)	Chain 0	0	2402	2401.989	-4.58	50
	Chain 0	39	2441	2440.988	-4.92	50
	Chain 0	78	2480	2479.988	-4.84	50
8DPSK(3DH5)	Chain 0	0	2402	2401.989	-4.58	50
	Chain 0	39	2441	2440.988	-4.92	50
	Chain 0	78	2480	2479.988	-4.84	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

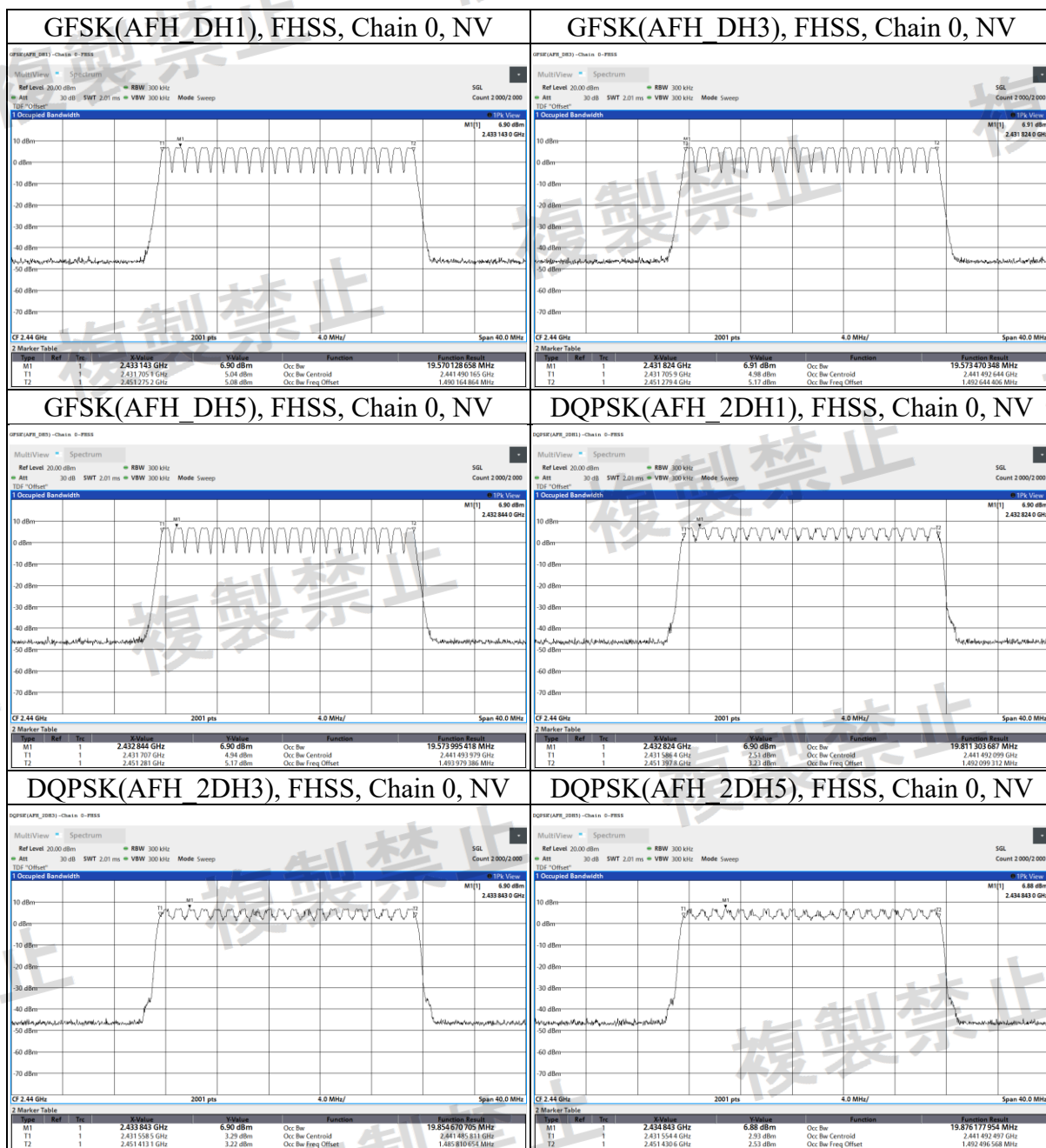
Mode	Chain	CH	OBW (MHz)	Limit (MHz)
GFSK(DH1)	Chain 0	FHSS	78.186	83.5
GFSK(DH3)	Chain 0	FHSS	78.177	83.5
GFSK(DH5)	Chain 0	FHSS	78.153	83.5
DQPSK(2DH1)	Chain 0	FHSS	78.173	83.5
DQPSK(2DH3)	Chain 0	FHSS	77.964	83.5
DQPSK(2DH5)	Chain 0	FHSS	78.272	83.5
8DPSK(3DH1)	Chain 0	FHSS	77.92	83.5
8DPSK(3DH3)	Chain 0	FHSS	78.221	83.5
8DPSK(3DH5)	Chain 0	FHSS	78.241	83.5

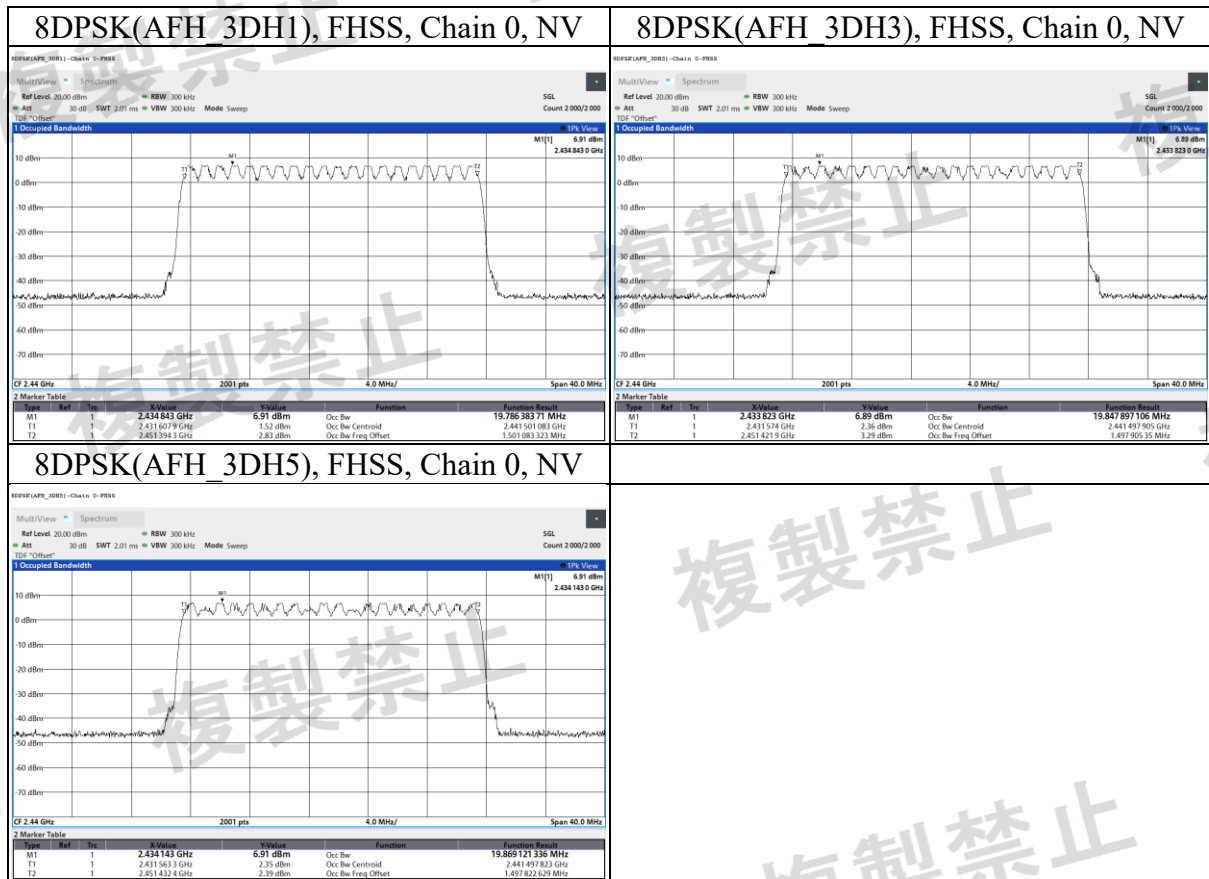




Test Voltage	Result
NV	PASS

Mode	Chain	CH	OBW (MHz)	Limit (MHz)
GFSK(AFH_DH1)	Chain 0	FHSS	19.57	83.5
GFSK(AFH_DH3)	Chain 0	FHSS	19.573	83.5
GFSK(AFH_DH5)	Chain 0	FHSS	19.574	83.5
DQPSK(AFH_2DH1)	Chain 0	FHSS	19.811	83.5
DQPSK(AFH_2DH3)	Chain 0	FHSS	19.855	83.5
DQPSK(AFH_2DH5)	Chain 0	FHSS	19.876	83.5
8DPSK(AFH_3DH1)	Chain 0	FHSS	19.786	83.5
8DPSK(AFH_3DH3)	Chain 0	FHSS	19.848	83.5
8DPSK(AFH_3DH5)	Chain 0	FHSS	19.869	83.5





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 Data

Test Voltage	Result
NV	Pass

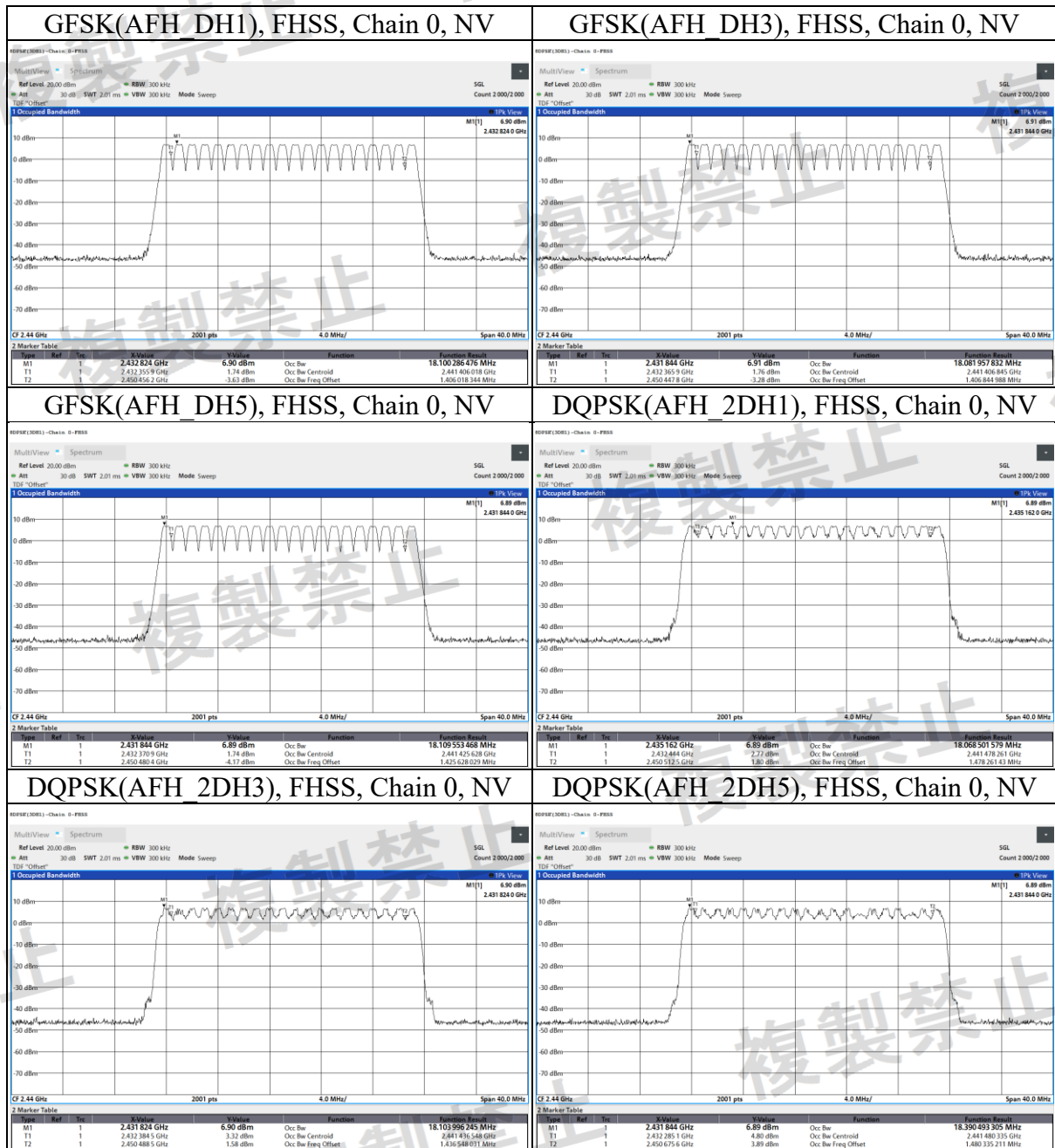
Mode	Chain	CH	SBW (MHz)	Limit (MHz)	Spreading Factor	Limit
GFSK(DH1)	Chain 0	FHSS	70.951	0.5	70.951	5
GFSK(DH3)	Chain 0	FHSS	71.008	0.5	71.008	5
GFSK(DH5)	Chain 0	FHSS	70.952	0.5	70.952	5
DQPSK(2DH1)	Chain 0	FHSS	71.154	0.5	71.154	5
DQPSK(2DH3)	Chain 0	FHSS	70.387	0.5	70.387	5
DQPSK(2DH5)	Chain 0	FHSS	70.898	0.5	70.898	5
8DPSK(3DH1)	Chain 0	FHSS	71.112	0.5	71.112	5
8DPSK(3DH3)	Chain 0	FHSS	71.777	0.5	71.777	5
8DPSK(3DH5)	Chain 0	FHSS	70.97	0.5	70.97	5





Test Voltage	Result
NV	PASS

Mode	Chain	CH	SBW (MHz)	Limit (MHz)	Spreading Factor	Limit
GFSK(AFH_DH1)	Chain 0	FHSS	18.1	0.5	18.1	5
GFSK(AFH_DH3)	Chain 0	FHSS	18.082	0.5	18.082	5
GFSK(AFH_DH5)	Chain 0	FHSS	18.11	0.5	18.11	5
DQPSK(AFH_2DH1)	Chain 0	FHSS	18.069	0.5	18.069	5
DQPSK(AFH_2DH3)	Chain 0	FHSS	18.104	0.5	18.104	5
DQPSK(AFH_2DH5)	Chain 0	FHSS	18.39	0.5	18.39	5
8DPSK(AFH_3DH1)	Chain 0	FHSS	18.2	0.5	18.2	5
8DPSK(AFH_3DH3)	Chain 0	FHSS	17.969	0.5	17.969	5
8DPSK(AFH_3DH5)	Chain 0	FHSS	18.049	0.5	18.049	5





8.4. Dwell Time

8.4.1. Requirements

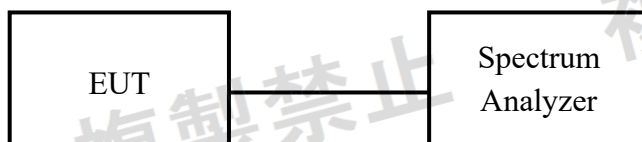
Item	Limits
Dwell Time	FH, FH+DS, FH+OFDM: ≤ 0.4 sec (The total sum of holding time at arbitrary frequencies within the time multiplied 0.4 sec by the spreading rate)

Formula:

Dwell time with Normal mode = [diffusion rate/ 79] x duty-cycle x 0.4 seconds

Dwell time with AFH mode= [diffusion rate/20] x duty-cycle x 0.4 seconds

8.4.2. Test Setup



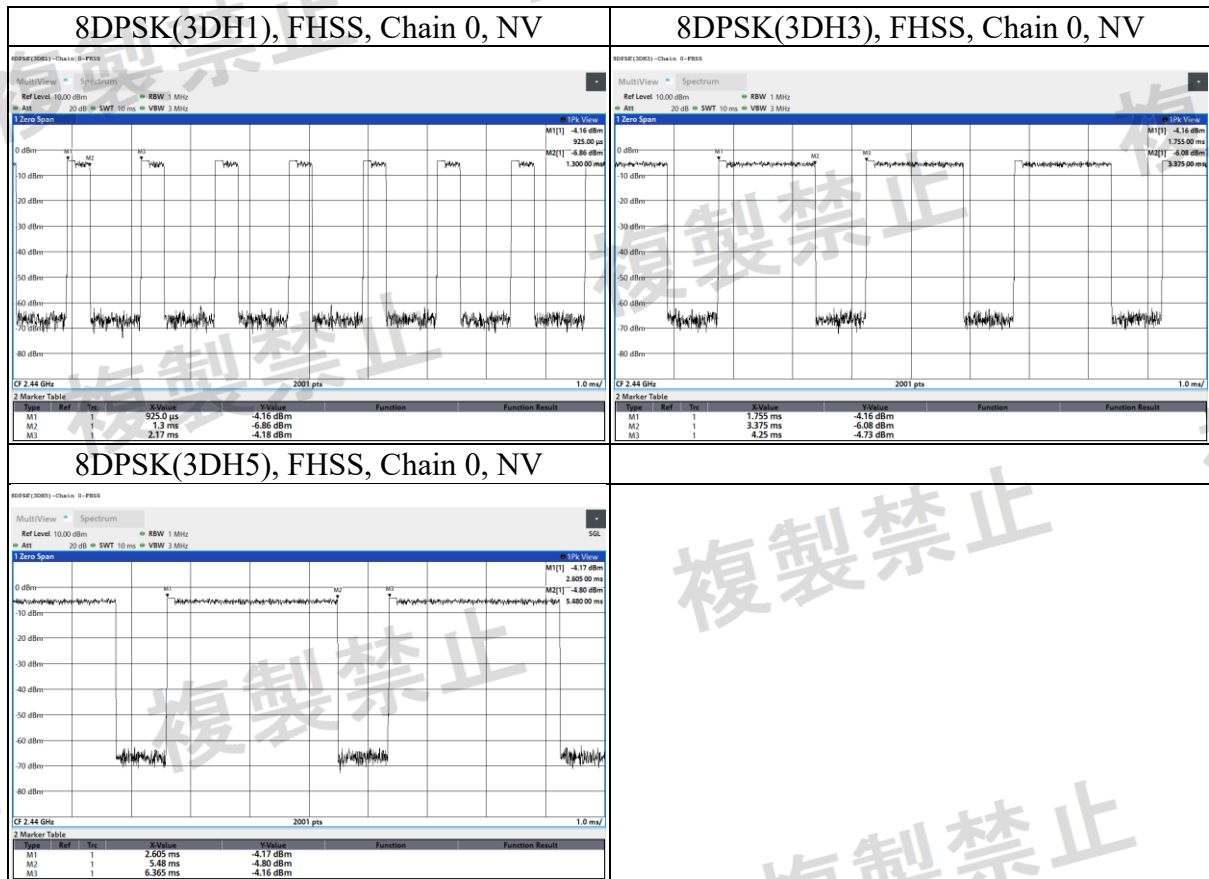
8.4.3. Test Results

Test Voltage	Result
NV	Pass

Mode	Spreading Factor	Duty Cycle	Dwell Time (sec)	Limit (sec)
GFSK(DH1)	70.95	0.29	105.91m	400m
GFSK(DH3)	71.01	0.65	232m	400m
GFSK(DH5)	70.95	0.77	274.83m	400m
DQPSK(2DH1)	71.15	0.3	107.22m	400m
DQPSK(2DH3)	70.39	0.64	229.52m	400m
DQPSK(2DH5)	70.9	0.77	274.85m	400m
8DPSK(3DH1)	71.11	0.3	108.45m	400m
8DPSK(3DH3)	71.78	0.65	235.97m	400m
8DPSK(3DH5)	70.97	0.76	274.76m	400m

Note: Dwell Time=Spreading Factor/79*0.4*Duty Cycle



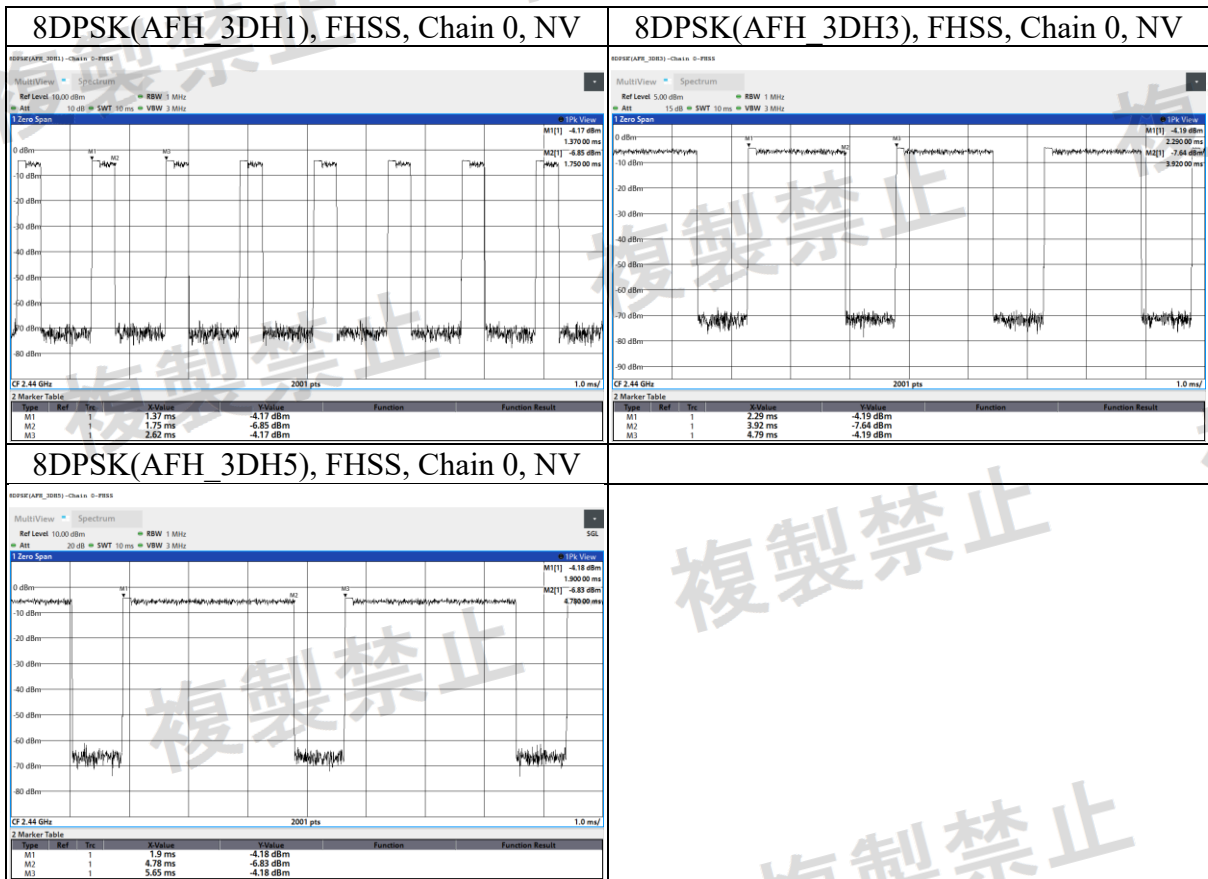


Test Voltage	Result
NV	PASS

Mode	Spreading Factor	Duty Cycle	Dwell Time (sec)	Limit (sec)
GFSK(AFH_DH1)	18.1	0.3	107.15m	400m
GFSK(AFH_DH3)	18.08	0.65	235.32m	400m
GFSK(AFH_DH5)	18.11	0.77	277.32m	400m
DQPSK(AFH_2DH1)	18.07	0.3	108.41m	400m
DQPSK(AFH_2DH3)	18.1	0.65	235.35m	400m
DQPSK(AFH_2DH5)	18.39	0.77	282.09m	400m
8DPSK(AFH_3DH1)	18.2	0.3	110.66m	400m
8DPSK(AFH_3DH3)	17.97	0.65	234.32m	400m
8DPSK(AFH_3DH5)	18.05	0.77	277.23m	400m

Note: Dwell Time=Spreading Factor/20*0.4*Duty Cycle





8.5. Spurious Emissions Transmitter

8.5.1. Requirements

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:

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

8.5.2. Test Setup

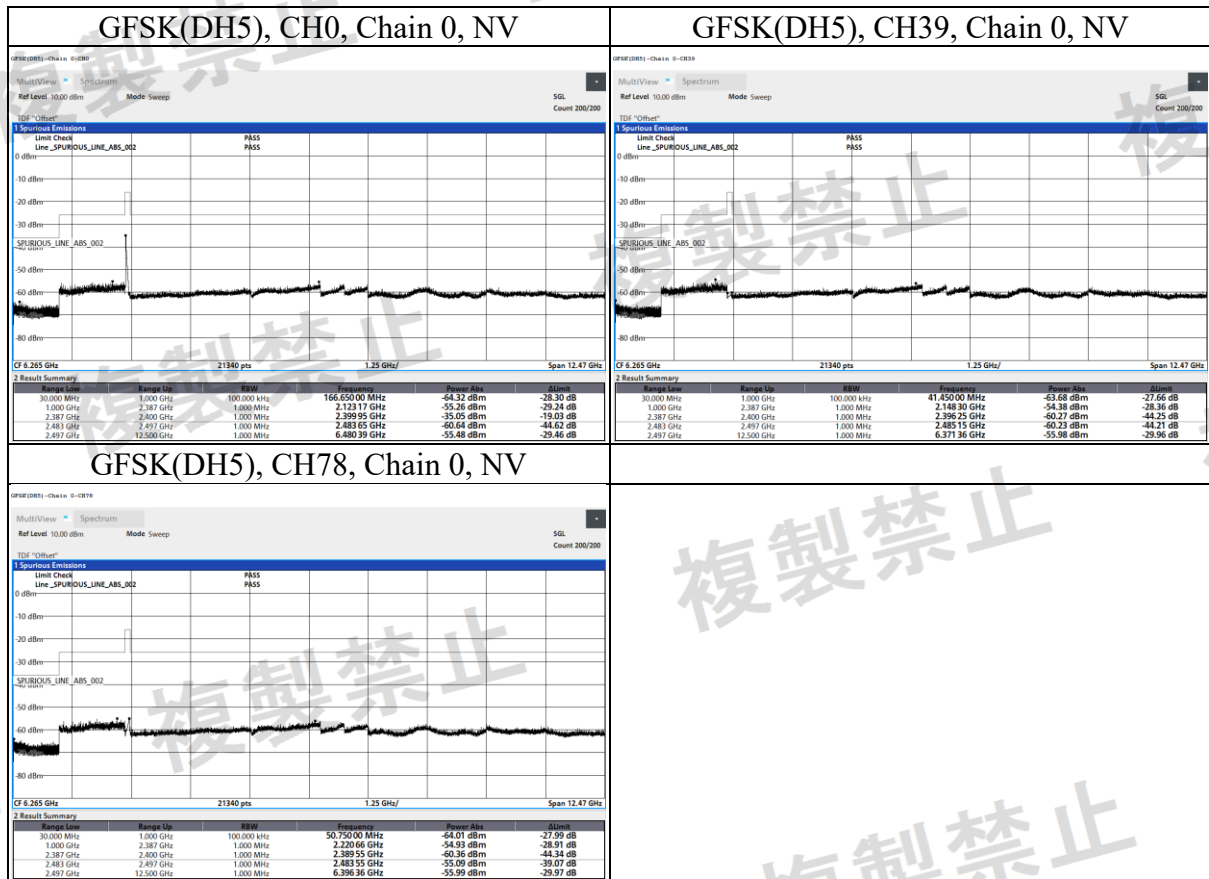


8.5.3. Test Results

Mode	Test Voltage	Result
GFSK(DH5)	NV	PASS

CH	Freq Range Low	Freq Range Up	Chain 0 Freq	Chain 0 Level	Worst +10*log(N)	Limit
0	30M	1G	166.65M	0.000370	0.000370	0.25
	1G	2.387G	2.123G	0.002978	0.002978	2.5
	2.387G	2.4G	2.4G	0.312337	0.312337	25
	2.4835G	2.4965G	2.484G	0.000862	0.000862	25
	2.4965G	12.5G	6.48G	0.002831	0.002831	2.5
39	30M	1G	41.45M	0.000429	0.000429	0.25
	1G	2.387G	2.148G	0.003646	0.003646	2.5
	2.387G	2.4G	2.396G	0.000941	0.000941	25
	2.4835G	2.4965G	2.485G	0.000948	0.000948	25
	2.4965G	12.5G	6.371G	0.002522	0.002522	2.5
78	30M	1G	50.75M	0.000397	0.000397	0.25
	1G	2.387G	2.221G	0.003212	0.003212	2.5
	2.387G	2.4G	2.39G	0.000920	0.000920	25
	2.4835G	2.4965G	2.484G	0.003099	0.003099	25
	2.4965G	12.5G	6.396G	0.002517	0.002517	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
DQPSK(2DH5)	NV	PASS

CH	Freq Range Low	Freq Range Up	Chain 0 Freq	Chain 0 Level	Worst +10*log(N)	Limit
0	30M	1G	725.85M	0.000372	0.000372	0.25
	1G	2.387G	2.257G	0.003676	0.003676	2.5
	2.387G	2.4G	2.4G	1.083796	1.083796	25
	2.4835G	2.4965G	2.487G	0.000956	0.000956	25
	2.4965G	12.5G	6.495G	0.002654	0.002654	2.5
39	30M	1G	134.55M	0.000387	0.000387	0.25
	1G	2.387G	2.339G	0.003189	0.003189	2.5
	2.387G	2.4G	2.393G	0.000888	0.000888	25
	2.4835G	2.4965G	2.484G	0.000943	0.000943	25
	2.4965G	12.5G	7.004G	0.002361	0.002361	2.5
78	30M	1G	127.05M	0.000379	0.000379	0.25
	1G	2.387G	1.92G	0.003740	0.003740	2.5
	2.387G	2.4G	2.398G	0.000877	0.000877	25
	2.4835G	2.4965G	2.484G	0.003189	0.003189	25
	2.4965G	12.5G	6.381G	0.002604	0.002604	2.5

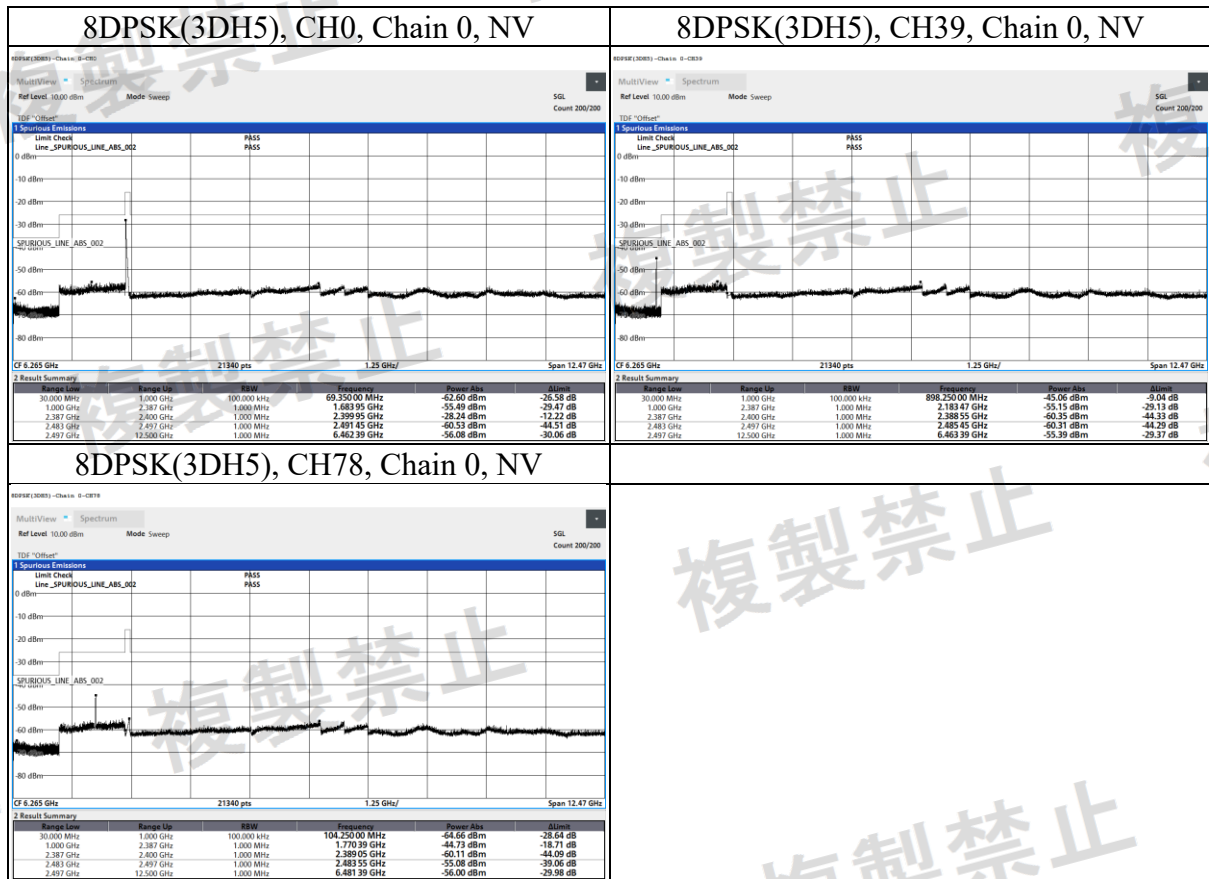
Note: For frequency unit (Freq) is "Hz", for Level & Limit above 1GHz unit is "uW/MHz", for Level & Limit below 1GHz unit is "uW/100kHz".



Mode	Test Voltage	Result
8DPSK(3DH5)	NV	PASS

CH	Freq Range Low	Freq Range Up	Chain 0 Freq	Chain 0 Level	Worst +10*log(N)	Limit
0	30M	1G	69.35M	0.000550	0.000550	0.25
	1G	2.387G	1.684G	0.002822	0.002822	2.5
	2.387G	2.4G	2.4G	1.500790	1.500790	25
	2.4835G	2.4965G	2.491G	0.000886	0.000886	25
	2.4965G	12.5G	6.462G	0.002469	0.002469	2.5
39	30M	1G	898.25M	0.031190	0.031190	0.25
	1G	2.387G	2.183G	0.003056	0.003056	2.5
	2.387G	2.4G	2.389G	0.000922	0.000922	25
	2.4835G	2.4965G	2.485G	0.000931	0.000931	25
	2.4965G	12.5G	6.463G	0.002890	0.002890	2.5
78	30M	1G	104.25M	0.000342	0.000342	0.25
	1G	2.387G	1.77G	0.033622	0.033622	2.5
	2.387G	2.4G	2.389G	0.000975	0.000975	25
	2.4835G	2.4965G	2.484G	0.003108	0.003108	25
	2.4965G	12.5G	6.481G	0.002514	0.002514	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".



8.6. Antenna Power

8.6.1. 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)

8.6.2. Test Setup



8.6.3. Test Results

Modulation: GFSK

Normal Voltage

Normal mode:

Channel	Antenna Power (mW/MHz)	Antenna Power Limit (mW/MHz)	Rated Power (mW/MHz)	Antenna Power Tolerance (%)	Tolerance Range Limit (%)	Antenna Gain (dBi)	EIRP Antenna Power (mW/MHz)	EIRP Antenna Power Limit (mW/MHz)
0	0.0762	3.00	0.0762	0.00	+20% ~ -80%	2.59	0.1383	4.91
39	0.0730	3.00	0.0762	-4.20	+20% ~ -80%	2.59	0.1325	4.91
78	0.0678	3.00	0.0762	-11.02	+20% ~ -80%	2.59	0.1231	4.91

Note:

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

AFH mode:

Channel	Antenna Power (mW/MHz)	Antenna Power Limit (mW/MHz)	Rated Power (mW/MHz)	Antenna Power Tolerance (%)	Tolerance Range Limit (%)	Antenna Gain (dBi)	EIRP Antenna Power (mW/MHz)	EIRP Antenna Power Limit (mW/MHz)
0	0.2988	3.00	0.2988	0.00	+20% ~ -80%	2.59	0.5425	4.91
39	0.2860	3.00	0.2988	-4.28	+20% ~ -80%	2.59	0.5192	4.91
78	0.2657	3.00	0.2988	-11.08	+20% ~ -80%	2.59	0.4824	4.91

Note:

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

Modulation: $\pi/4$ -DQPSK**Normal Voltage****Normal mode:**

Channel	Antenna Power (mW/MHz)	Antenna Power Limit (mW/MHz)	Rated Power (mW/MHz)	Antenna Power Tolerance (%)	Tolerance Range Limit (%)	Antenna Gain (dBi)	EIRP Antenna Power (mW/MHz)	EIRP Antenna Power Limit (mW/MHz)
0	0.0758	3.00	0.0758	0.00	+20% ~ -80%	2.59	0.1376	4.91
39	0.0726	3.00	0.0758	-4.22	+20% ~ -80%	2.59	0.1318	4.91
78	0.0673	3.00	0.0758	-11.21	+20% ~ -80%	2.59	0.1222	4.91

Note:

1. Antenna Power Tolerance (%) = $\{(Conducted\ Antenna\ Power - Rated\ power)/Rated\ power * 100\}$.

2. EIRP Antenna Power = Conducted Antenna Power + Antenna gain.

AFH mode:

Channel	Antenna Power (mW/MHz)	Antenna Power Limit (mW/MHz)	Rated Power (mW/MHz)	Antenna Power Tolerance (%)	Tolerance Range Limit (%)	Antenna Gain (dBi)	EIRP Antenna Power (mW/MHz)	EIRP Antenna Power Limit (mW/MHz)
0	0.2986	3.00	0.2986	0.00	+20% ~ -80%	2.59	0.5421	4.91
39	0.2858	3.00	0.2986	-4.29	+20% ~ -80%	2.59	0.5189	4.91
78	0.2649	3.00	0.2986	-11.29	+20% ~ -80%	2.59	0.4809	4.91

Note:

1. Antenna Power Tolerance (%) = $\{(Conducted\ Antenna\ Power - Rated\ power)/Rated\ power * 100\}$.

2. EIRP Antenna Power = Conducted Antenna Power + Antenna gain.

Modulation: 8DPSK

Normal Voltage

Normal mode:

Channel	Antenna Power (mW/MHz)	Antenna Power Limit (mW/MHz)	Rated Power (mW/MHz)	Antenna Power Tolerance (%)	Tolerance Range Limit (%)	Antenna Gain (dBi)	EIRP Antenna Power (mW/MHz)	EIRP Antenna Power Limit (mW/MHz)
0	0.0757	3.00	0.0757	0.00	+20% ~ -80%	2.59	0.1374	4.91
39	0.0725	3.00	0.0757	-4.23	+20% ~ -80%	2.59	0.1316	4.91
78	0.0672	3.00	0.0757	-11.23	+20% ~ -80%	2.59	0.1220	4.91

Note:

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

AFH mode:

Channel	Antenna Power (mW/MHz)	Antenna Power Limit (mW/MHz)	Rated Power (mW/MHz)	Antenna Power Tolerance (%)	Tolerance Range Limit (%)	Antenna Gain (dBi)	EIRP Antenna Power (mW/MHz)	EIRP Antenna Power Limit (mW/MHz)
0	0.2958	3.00	0.2958	0.00	+20% ~ -80%	2.59	0.5370	4.91
39	0.2831	3.00	0.2958	-4.29	+20% ~ -80%	2.59	0.5140	4.91
78	0.2624	3.00	0.2958	-11.29	+20% ~ -80%	2.59	0.4764	4.91

Note:

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

8.7. Spurious Emissions Receiver

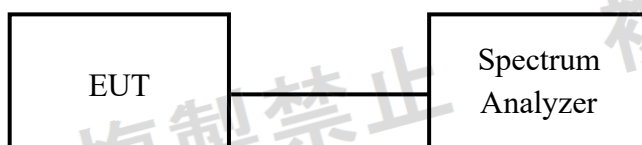
8.7.1. Requirements

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:

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

8.7.2. Test Setup

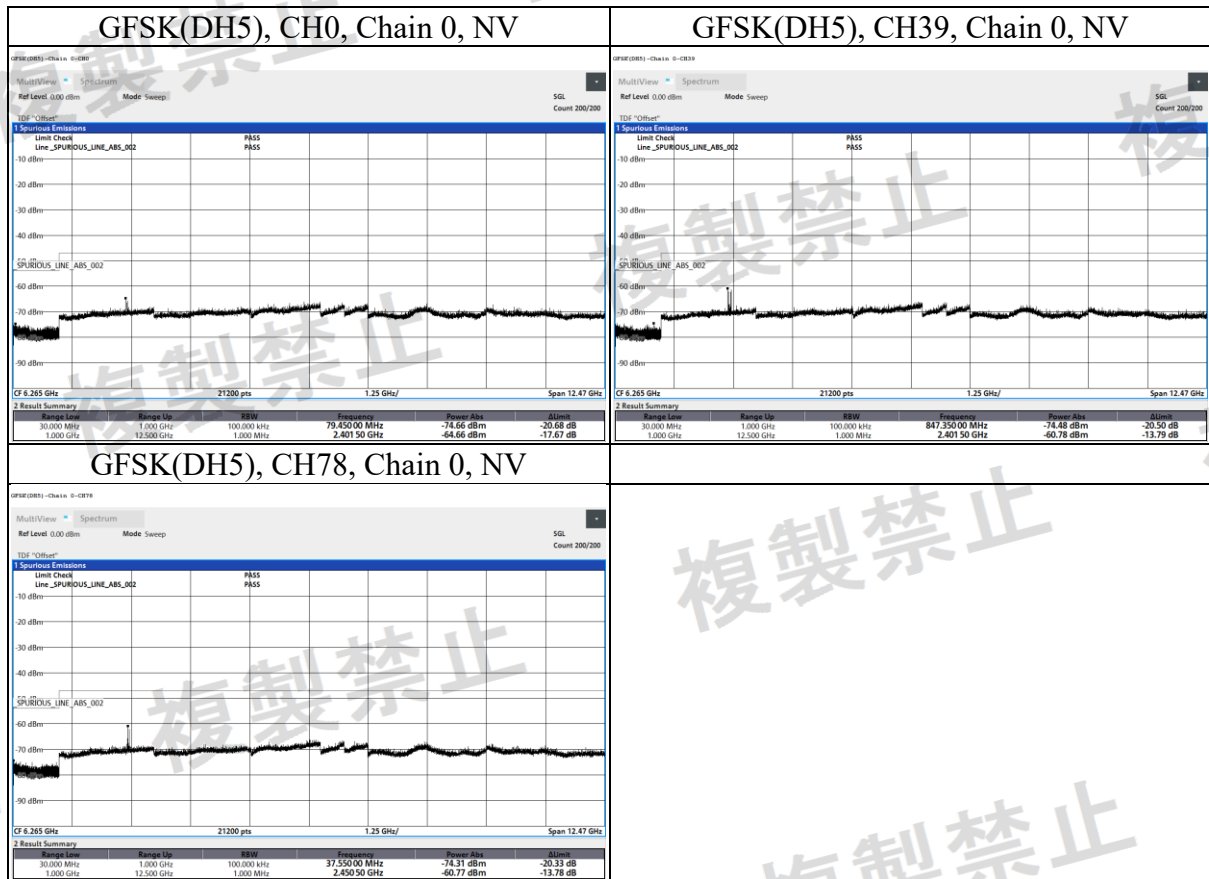


8.7.3. Test Results

Mode	Test Voltage	Result
GFSK(DH5)	NV	PASS

CH	Freq Range Low	Freq Range Up	Chain 0 Freq	Chain 0 Level (nW)	Sum (nW)	Limit (nW)
0	30M	1G	79.45M	0.034183	0.034183	4
	1G	12.5G	2.402G	0.342315	0.342315	20
39	30M	1G	847.35M	0.035684	0.035684	4
	1G	12.5G	2.402G	0.836266	0.836266	20
78	30M	1G	37.55M	0.037073	0.037073	4
	1G	12.5G	2.451G	0.836640	0.836640	20

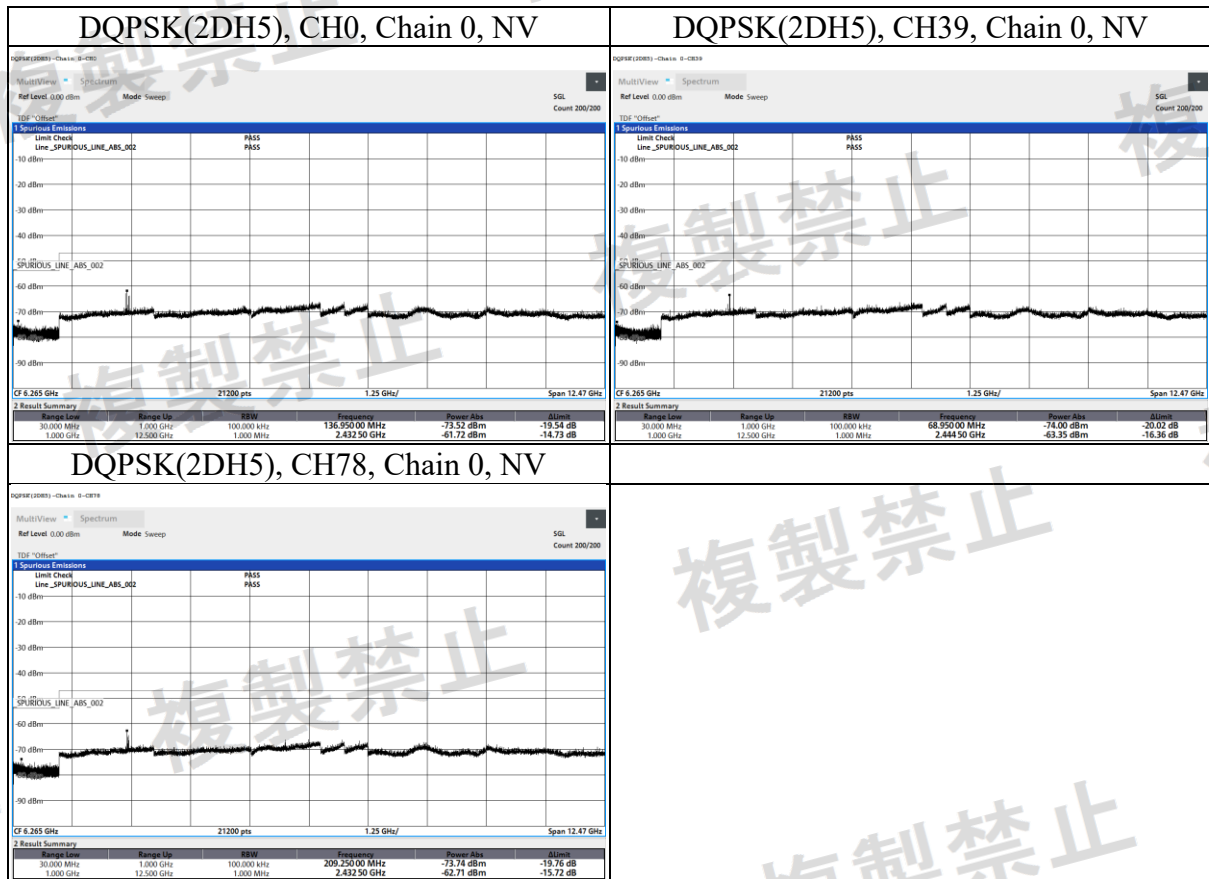
Note: For frequency unit (Freq) is "Hz".



Mode	Test Voltage	Result
DQPSK(2DH5)	NV	PASS

CH	Freq Range Low	Freq Range Up	Chain 0 Freq	Chain 0 Level (nW)	Sum (nW)	Limit (nW)
0	30M	1G	136.95M	0.044463	0.044463	4
	1G	12.5G	2.433G	0.673198	0.673198	20
39	30M	1G	68.95M	0.039822	0.039822	4
	1G	12.5G	2.445G	0.462630	0.462630	20
78	30M	1G	209.25M	0.042271	0.042271	4
	1G	12.5G	2.433G	0.535730	0.535730	20

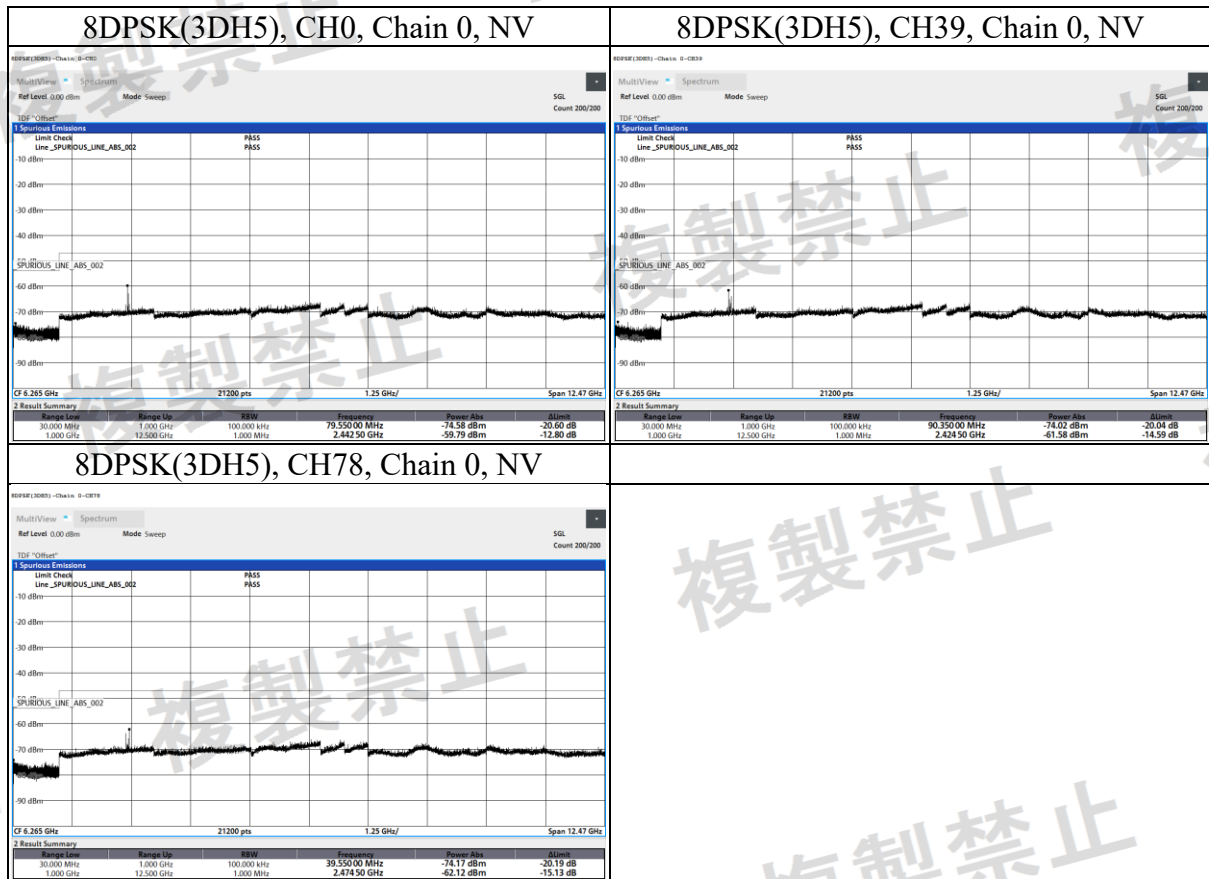
Note: For frequency unit (Freq) is "Hz".



Mode	Test Voltage	Result
8DPSK(3DH5)	NV	PASS

CH	Freq Range Low	Freq Range Up	Chain 0 Freq	Chain 0 Level (nW)	Sum (nW)	Limit (nW)
0	30M	1G	79.55M	0.034865	0.034865	4
	1G	12.5G	2.443G	1.048744	1.048744	20
39	30M	1G	90.35M	0.039636	0.039636	4
	1G	12.5G	2.425G	0.695273	0.695273	20
78	30M	1G	39.55M	0.038300	0.038300	4
	1G	12.5G	2.475G	0.613405	0.613405	20

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

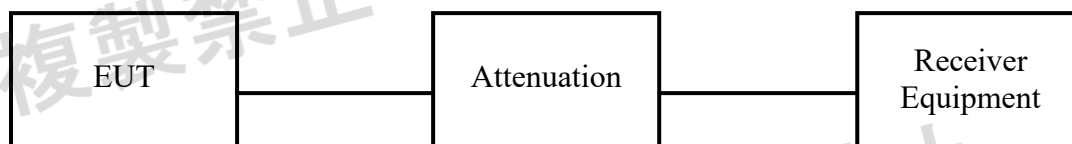


8.8. Interference Prevention Function

8.8.1. Requirements

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

8.8.2. Test Setup



8.8.3. Test Results

Link Mode	Test Result
Bluetooth BR/EDR	PASS

9. Conducted Emission Measurement Setup Configurations

AC Power Line Conducted Emission: All Mode



END OF REPORT