Testing Laboratory
3023

Test Report No:
25C0482R-RFJPV02S-A

TEST REPORT
Japan Rules & Regulations

Product Name	Bluetooth Headset
Brand Name	Jabra
Model No.	HSC250W
Applicant´s Name / Address	GN Audio Japan Ltd. Shinbashi M-SQUARE7 floor, 1-chome 10th No. 6, Shimbashi, Minato-ku, Tokyo, Japan
Manufacturer's Name	GN Hearing A/S
Test Method Requested, Standard	MIC Notice No.88 Appendix No.43 Article 2 Paragraph 1 of Item 19
Verdict Summary	IN COMPLIANCE
Documented by Jinn Chen	Jinn Chen
Approved by Alan Chen	Alan Chen
Date of Receipt	2025/12/12
Date of Issue	2026/05/13
Report Version	V1.0

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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.
In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	2026/05/13

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	Antenna Power, Antenna Power Tolerance and E.I.R.P	PASS	-
4	Occupied Bandwidth	PASS	-
5	Frequency Tolerance	PASS	-
6	Dwell Time	PASS	-
7	Transmitter Spurious Emissions	PASS	-
8	Receiver Spurious Emissions	PASS	-
9	Interference Prevention Function	PASS	-

Comments and Explanations
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1. General Information

1.1. EUT Description

Frequency Range	2400 ~ 2483.5 MHz		
Operating Frequency / Channel Number	2402 ~ 2480 MHz / 79 Channels		
Mode	Bluetooth BR / EDR		
Type of Modulation	BR uses a GFSK (1 Mbps)		
	EDR uses a combination of π/4 DQPSK (2 Mbps) and 8DPSK (3 Mbps)		
Declared Antenna Power	Normal operation	GFSK	0.55 mW/MHz
		π/4 DQPSK	0.25 mW/MHz
		8DPSK	0.25 mW/MHz
	AFH operation	GFSK	2.21 mW/MHz
		π/4 DQPSK	1.00 mW/MHz
		8DPSK	1.00 mW/MHz

Frequency Range	2400 ~ 2483.5 MHz		
Operating Frequency / Channel Number	GFSK (1 Mbps): 2402 ~ 2480 MHz /40 Channels GFSK (2 Mbps): 2404 ~ 2478 MHz /37 Channels		
Mode	Bluetooth LE Audio		
Type of Modulation	GFSK (1 Mbps, 2 Mbps)		
Declared Antenna Power	Normal operation	GFSK (1 Mbps)	0.83 mW/MHz
		GFSK (2 Mbps)	0.86 mW/MHz
	AFH operation	GFSK (1 Mbps)	2.22 mW/MHz
		GFSK (2 Mbps)	2.16 mW/MHz

Note: The Bluetooth LE Audio 2M PHY is not used to transmit packets on the three primary advertising channels.

Accessories Information		
No.	Equipment Name	Description
1	Type C to Type C Cable	shielded, 1.2m
2	Bluetooth USB Dongle	DC 5V
3	Bluetooth USB Dongle	DC 5V
4	Desk stand	DC 5V

Antenna Information				
Item.	Brand Name	Part No.	Type	Gain (dBi)
1	Jabra	50-10731	Monopole	2.99

Model No.	specifications	Description
HSC250W	Mono	The specifications are identical; the only difference is the Mono or Stereo configuration.
	Stereo	

From the models above, the Stereo model was selected as the representative model for the test, and its data has been recorded in this report.

1.2. EUT Information

EUT Power Type	From USB / Battery / Desk stand

1.3. Testing Location Information

Site Description	Accredited by TAF
	Accredited Number: 3023

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
	Linkou Laboratory
Address	No. 85, Wenlin St., Linkou Dist., New Taipei City 244017, Taiwan, R.O.C.
Performed Location	No. 26, Huaya 1st Rd., Guishan Dist.,Taoyuan City 333411, Taiwan, R.O.C.
Phone Number	+886-3-275-7255
Fax Number	+886-3-327-8031

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual	Test Date	Tested By
RF Conducted Emission	Temperature (°C)	5~35 °C	23.6~24.8 °C	2026/01/05~ 2026/01/20	Michael Chen
	Humidity (%RH)	45~85 %	51.9~53.7 %		

1.4. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test Item	Uncertainty
Antenna Power, Antenna Power Tolerance and E.I.R.P	Spectrum Analyzer: ±2.13 dB Power Meter: ±1.05 dB
Occupied Bandwidth	±1580.61 Hz
Frequency Tolerance	±1580.61 Hz
Dwell Time	±0.62 %
Transmitter Spurious Emissions	±2.13 dB
Receiver Spurious Emissions	±2.13 dB
Interference Prevention Function	N/A

1.5. List of Test Equipment

For Conducted Measurements / HY-SR02

	Equipment	Manufacturer	Model No.	Serial No.	Cal. by	Cal. Method	Cal. Date	Due Date
V	Spectrum Analyzer	R&S	FSV30	103464	ETC	*(c)	2025/06/19	2026/06/18
V	Power Meter	Anritsu	ML2496A	1548003	ETC	*(c)	2025/12/15	2026/12/14
V	Power Sensor	Anritsu	MA2411B	1531024	ETC	*(c)	2025/12/15	2026/12/14
V	Power Sensor	Anritsu	MA2411B	1531025	ETC	*(c)	2025/12/15	2026/12/14

Note:

1. All equipments is calibrated every year.
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software Version: DEKRA Conduction Test System V9.0.6.
4. a) Calibration conducted by the National Institute of Information and Communications Technology(NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

   b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

   c) Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated agency under Article 102-18 paragraph (1).

   d) Calibration conducted by using other equipment that listed above from a) to c).

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition	
Testing Voltage	DC 5V by USB

2.2. Test Frequency Mode

Test Software Version	AB1595 Lab Test Tool / Version 5.6.0.4

Bluetooth

Modulation	Frequency (MHz)	Power Setting
GFSK	2402	59
	2411	59
	2421	59
	2441	59
	2480	59
π/4-DQPSK	2402	57
	2411	57
	2421	57
	2441	57
	2480	57
8DPSK	2402	57
	2411	57
	2421	57
	2441	57
	2480	57

Bluetooth LE Audio

Modulation	Frequency (MHz)	Power Setting
GFSK (1 Mbps)	2402	59
	2416	59
	2430	59
	2440	59
	2480	59
GFSK (2 Mbps)	2404	59
	2428	59
	2440	59
	2442	59
	2456	59
	2478	59

2.3. Test Conditions

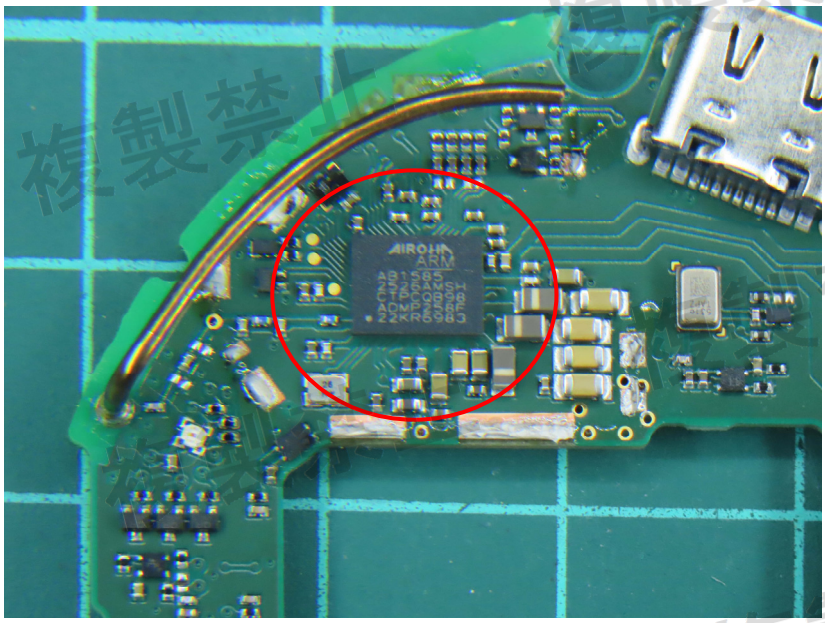
Voltage Test Item	Test Voltage	Voltage meter reading value
Nominal Voltage	DC 5.0 V	DC 1.8 V
Highest Voltage	DC 5.5 V	DC 1.8 V
Lowest Voltage	DC 4.5 V	DC 1.8 V

Note: 1. The Voltage supply for U301 pin C348 is DC 1.8 V.

2. The internal supply gives a fluctuation value less than 1 % (Around 0.00% from max. to min.)

2.4. RF and IF section must be tamper requirement

Requirement	Comments	Result
RF, IF and Modulation section must be tamper	☐Use Special Screw ☐Metal Shielding is Soldered ☒Use Ball Grid Array (BGA) (Please see Attachment: EUT Detailed Photographs)	Complete
	☒RF module/Chip pin >10 ☒RF module/Chip pins distance <1.5mm (Please see Attachment: EUT Detailed Photographs)	Complete



2.5. Measurement Configuration

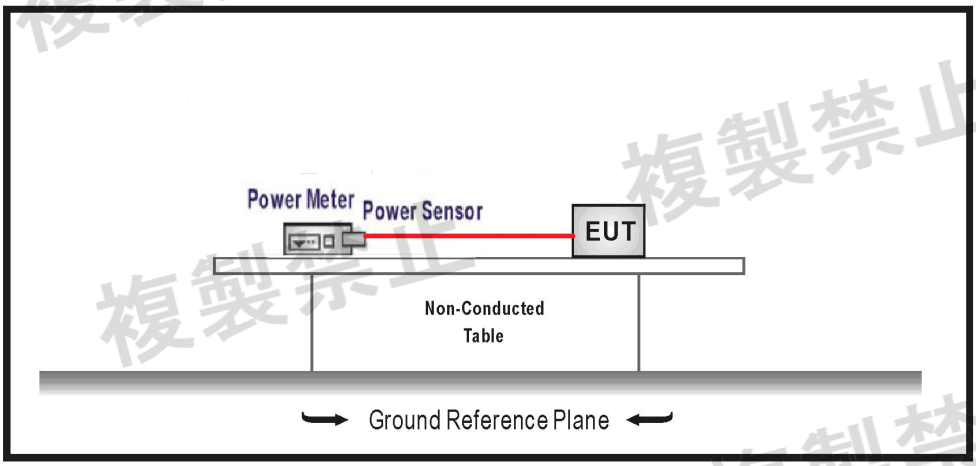
Test Mode	Mode 1 (Transmit)	Bluetooth_Normal-GFSK
		Bluetooth_Normal-π/4 DQPSK
		Bluetooth_Normal-8DPSK
		Bluetooth_AFH-GFSK
		Bluetooth_AFH-π/4 DQPSK
		Bluetooth_AFH-8DPSK
		Bluetooth LE Audio_Normal-GFSK (1 Mbps)
		Bluetooth LE Audio_Normal-GFSK (2 Mbps)
		Bluetooth LE Audio_AFH-GFSK (1 Mbps)
		Bluetooth LE Audio_AFH-GFSK (2 Mbps)
	Mode 2 (Receive)	Bluetooth_Normal-GFSK
		Bluetooth_Normal-π/4 DQPSK
		Bluetooth_Normal-8DPSK
		Bluetooth_AFH-GFSK
		Bluetooth_AFH-π/4 DQPSK
		Bluetooth_AFH-8DPSK
		Bluetooth LE Audio_Normal-GFSK (1 Mbps)
		Bluetooth LE Audio_Normal-GFSK (2 Mbps)
		Bluetooth LE Audio_AFH-GFSK (1 Mbps)
		Bluetooth LE Audio_AFH-GFSK (2 Mbps)

Note:

1. After checking the fluctuation of input voltage to the circuit of the radio part (excluding the power supply) of the equipment to be tested, the fluctuation less than +/- 1 % when input voltage from an external supply into the equipment fluctuates +/- 10%, therefore, the test is carried out only at the normal voltage.
2. Determining compliance shall be based on the results of the compliance measurement, without taking measurement instrumentation uncertainty into account.

3. Antenna Power, Antenna Power Tolerance and E.I.R.P

3.1. Test Setup



3.2. Test Limit

Antenna Power: ≦3mW/MHz

Antenna Power Tolerance: ≦+20%

EIRP: ≦6.91 dBm/MHz

3.3. Test Method

According to MIC Notice No. 88 Annex 43.

3.4. Test Procedure

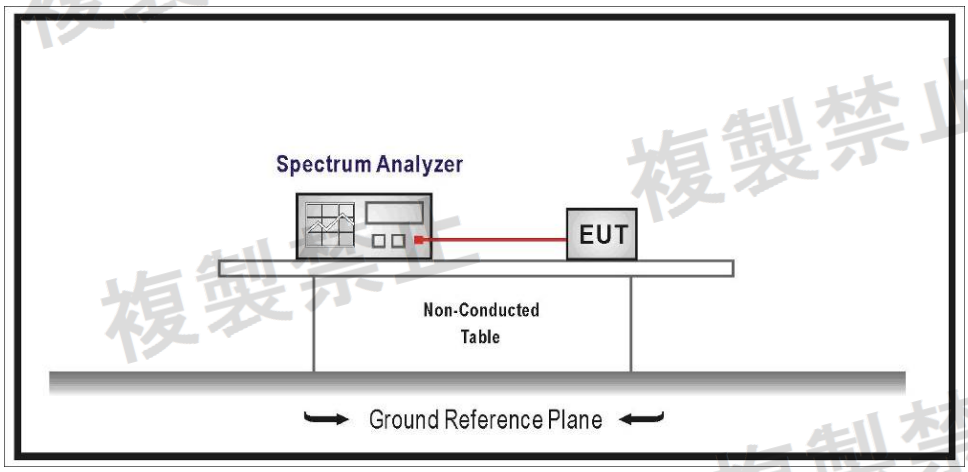
1. Connect a high-frequency power meter to the output of the dummy load (attenuator) and measure the output power.
2. Output power shall be as follows.
   (1) Value of a continuous wave.
   (2) Calculate the output power per 1 MHz by spread bandwidth and duty cycle.

3.5. Test Result of Antenna Power, Antenna Power Tolerance and E.I.R.P

Refer as Appendix A

4. Occupied Bandwidth

4.1. Test Setup



4.2. Test Limit

≦ 83.5 MHz

4.3. Test Method

According to MIC Notice No. 88 Annex 43.

4.4. Test Procedure

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

(a) A positive peak detector function must be used.

(b) A measurement instrument with an integrated 99% power bandwidth function may be used to automate the test process.

(c) The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slowly, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.

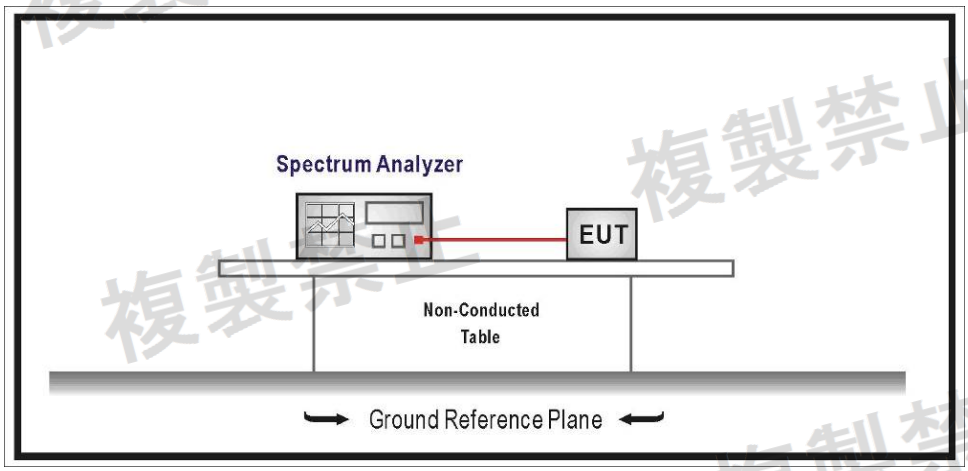
(d) 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

4.5. Test Result of Occupied Bandwidth

Refer as Appendix B

5. Frequency Tolerance

5.1. Test Setup



5.2. Test Limit

± 50 ppm

5.3. Test Method

According to MIC Notice No. 88 Annex 43.

5.4. Test Procedure

A spectrum analyzer or similar device shall be used to observe a sample of the unmodulated transmitter's radio frequency power output.

(a) A positive peak detector function must be used.

(b) The measurement instrument bandwidth and span must be set sufficiently wide, and the scan time set sufficiently slowly, to ensure all products of the unmodulated signal are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.

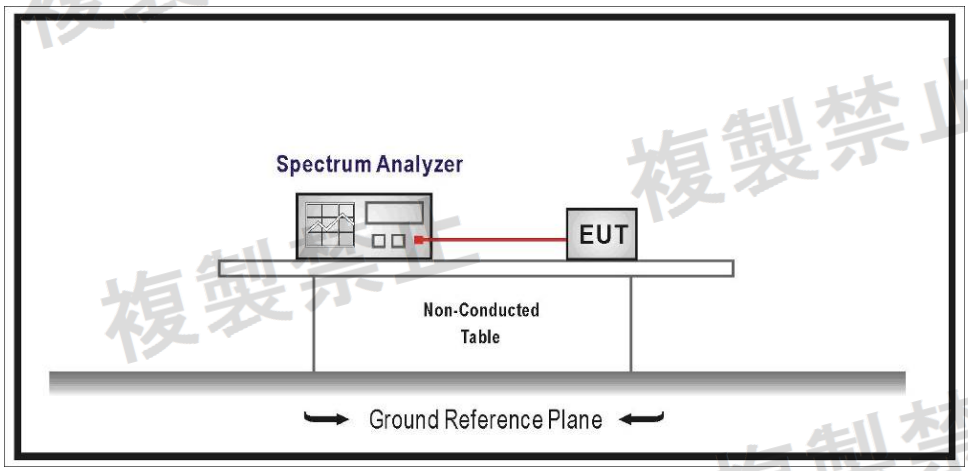
(c) 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

5.5. Test Result of Frequency Tolerance

Refer as Appendix C

6. Dwell Time

6.1. Test Setup



6.2. Test Limit

≦0.4 sec

6.3. Test Method

According to MIC Notice No. 88 Annex 43.

6.4. Test Procedure

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

(a) A positive peak detector function must be used.

(b) The center frequency is set to the test frequency and the span is switched to zero.

(c) The measurement instrument bandwidth must be set sufficiently with, and, the scan time set sufficiently slowly, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.

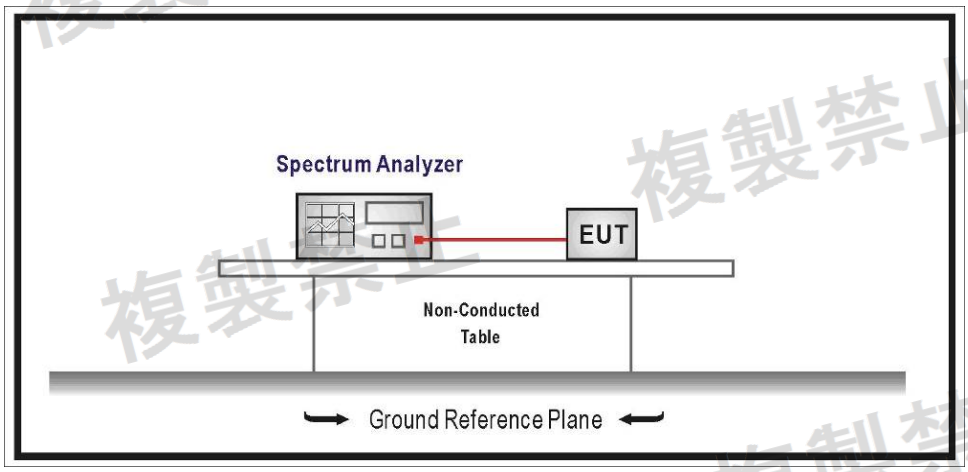
(d) "Single sweep" mode may be used to capture a packet over a single scan.

6.5. Test Result of Dwell Time

Refer as Appendix D

7. Transmitter Spurious Emissions

7.1. Test Setup



7.2. Test Limit

≤ 2.5uW/MHz for 30 MHz < f < 2387 MHz

≤ 25uW/MHz for 2387 MHz ≤ f < 2400 MHz

≤ 25uW/MHz for 2483.5 MHz < f ≤ 2496.5 MHz

≤ 2.5uW/MHz for 2496.5 MHz < f < 12500 MHz

7.3. Test Method

According to MIC Notice No. 88 Annex 43.

7.4. Test Procedure

The EUT is connected to the spectrum analyzer and it is configured at maximum output power in the different test channels.

(a) A positive peak detector function must be used.

(b) The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.

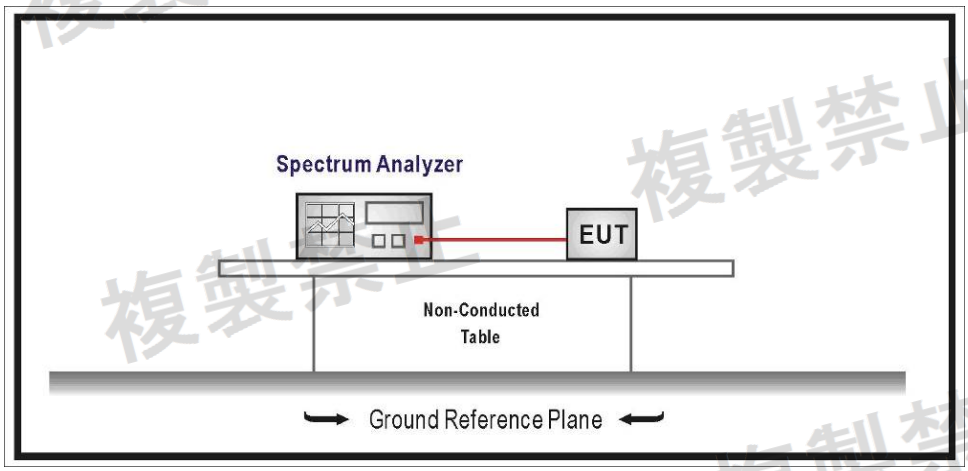
(c) 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

7.5. Test Result of Transmitter Spurious Emissions

Refer as Appendix E

8. Receiver Spurious Emissions

8.1. Test Setup



8.2. Test Limit

≤ 4nW for 30 MHz < f < 1000MHz

≤ 20nW for 1000 MHz ≤ f < 12500 MHz

8.3. Test Method

According to MIC Notice No. 88 Annex 43.

8.4. Test Procedure

The EUT is connected to the spectrum analyzer and it is configured in reception mode in the different test channels.

(a) A positive peak detector function must be used.

(b) The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slowly, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.

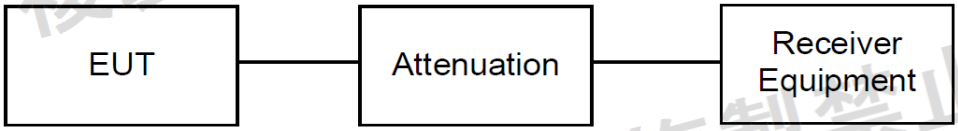
(c) 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

8.5. Test Result of Receiver Spurious Emissions

Refer as Appendix F

9. Interference Prevention Function

9.1. Test Setup



9.2. Test Method

According to MIC Notice No. 88 Annex 43.

9.3. Test Procedure

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

9.4. Test Result of Interference Prevention Function

Refer as Appendix G