

Japan Radio Test Report

Project No. : 2511C343
Equipment : remote control
Brand Name : XGIMI
Model Name : B996D
Applicant : XGIMI Technology Co., Ltd.
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Manufacturer : XGIMI Technology Co., Ltd.
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Factory : Guangdong Seneasy Intelligent Technology Co., LTD
Address : No. 10 Dongsheng Middle Road, Chenjiang Street, Suzhou City, Guangdong Province
Date of Receipt : Nov. 24, 2025
Date of Test : Nov. 25, 2025 ~ Dec. 19, 2025
Issued Date :
Test Sample : Engineering Sample No.: DG920251124468 for Antenna Power Tolerance, DG920251124469 for Others.
Standard(s) : Ordinance Regulating Radio Equipment General Provisions, Transmitting Equipment, Receiving Equipment, Article 49-20
Test Procedure : Test Method Specified Radio Equipment Article 2 Paragraph 1 of item 19 (MIC Notice No.88 Appendix No.43)

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-JPAP-1-2511C343	R00	Original Report.		Valid

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1. SUMMARY OF TEST RESULTS

Part	Description of Test	Rule Section	Result
3.1	Frequency Tolerance	Article 5, Annex 1	Pass
3.2	Occupied Bandwidth (99%)	Article 6, Annex 2	Pass
3.3	Unwanted Emission Intensity	Article 7, Annex 3	Pass
3.4	Antenna Power Tolerance	Article 14	Pass
3.5	Limitation of Collateral Emission of Receiver	Article 24, Paragraph 2	Pass
3.6	Transmission Antenna Gain (EIRP Antenna Power)	Article 49-20	N/A
3.7	Transmission Radiation Angle Width (3dB Beamwidth)	Article 49-20	N/A
3.8	Radio Interference Prevention Capability	Article 9-4, Item 5 Article 6-2, Item 3 and 5 of the Regulation for Enforcement of the Radio Law	Pass
3.9	Construction Protection Confirmation	Article 49-20	Pass

Method of measurement:	MIC Notice No.88 Appendix No.43
Test condition:	Conductive, RF test program provided by the customer was used to control the operating channel as well as the output power level.

Abbreviations used in this test report are as follows:

NC:	Normal Condition
EC:	Extreme Condition
EUT:	Equipment Under Test
DS:	Direct spreading
FH:	Frequency hopping
OFDM:	Orthogonal frequency division multiplexing

1.1. TEST FACILITY

The test facilities used to collect the test data in this report:

DGDLSR07-2/DGDLSR08-2: No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

1.2. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Frequency Tolerance	1.4 ppm	Confidence levels of 95.45%
99% Bandwidth	0.75 %	Confidence levels of 95.45%
Antenna Power	1.3 dB	Confidence levels of 95.45%
TX-RX Emission	2.1 dB	Confidence levels of 95.45%

1.3. TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
Frequency Tolerance	24°C	50%	DC 3V	Jay Wei
Occupied Bandwidth (99%)	24°C	50%	DC 3V	Jay Wei
Unwanted Emission Intensity	24°C	50%	DC 3V	Jay Wei
Antenna Power Tolerance	23°C	52%	DC 3V	Arvin Tong
Limitation of Collateral Emission of Receiver	24°C	50%	DC 3V	Jay Wei

2. GENERAL INFORMATION

2.1. GENERAL DESCRIPTION OF EUT

Equipment	remote control
Brand Name	XGIMI
Test Model	B996D
Model Name	B996D
Model Difference(s)	N/A
Hardware Version	S2412A4928-B
Software Version	B996D_CY07_CY_V1.0.9
Power Source	Supplied from 2*AAA battery.
Power Rating	DC 3V
Operation Frequency	2402MHz ~ 2480MHz
Modulation Type	GFSK
Data Rate	1Mbps
Occupied Bandwidth	1Mbps: 2.52 MHz
Antenna Power (Rated Power)	1Mbps: 2.65 mW
Antenna Power (Max. Conducted Power)	1Mbps: 2.6424 mW

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

2. Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

3. Table for Filed Antenna:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	GUANGDONG SENEASY INTELLIGENT TECHNOLOGY CO.,LTD	SRC-2412	PCB	N/A	0.37

Note: The antenna gain is provided by the manufacturer.

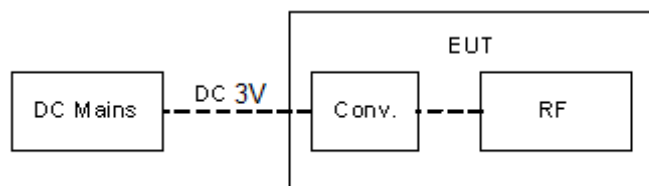
2.2. DESCRIPTION OF TEST MODES

The EUT was tested while in a continuous transmitter / receiver mode.
The EUT was tuned to a low, middle and high channel for all tests. The EUT continuously transmitted a modulated packet with payload, while transmitting the EUT was setup to operate at the intended maximum power output available to the end user. For all test case pre/scans were completed in all modes to determine worst case levels.

Test Mode	Description
Mode 1	1Mbps/CH00, CH19, CH39

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Power Supply Voltage Fluctuation Test



Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
Input: DC Power	3V	3.3V	2.7V
Output: DC Power	1.218V	1.218V	1.218V
Voltage Variation (%)	-	0	0

Measurement point



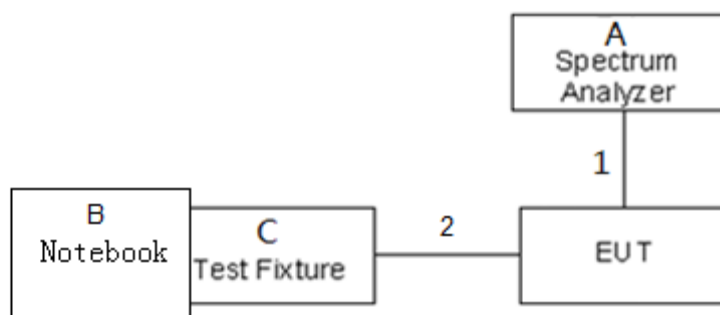
Note:

$$\text{Voltage Variation (\%)} = (\text{Output High Voltage or Low Voltage} - \text{Output Normal Voltage}) / \text{Output Normal Voltage} * 100$$

During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%.

Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

2.3. BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.4. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.
A	Spectrum Analyzer	R&S	FSP40	100185
B	Notebook	Lenovo	Lenovo Air 14ITL 2021	N/A
C	Test Fixture	N/A	N/A	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	RF Cable	YES	NO	0.1m
2	CONTROL Cable	NO	NO	1.1m

2.5. TABLE FOR PARAMETERS OF TEST SOFTWARE SETTING

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level.

Test Software Version	MxdBleTool_265x_1.22.08.05		
Frequency (MHz)	2402	2440	2480
1Mbps	default	default	default

3. TEST RESULTS

3.1. FREQUENCY TOLERANCE MEASUREMENT

3.1.1. LIMIT

Item	Limits (See Article 5 and Annex 1 table 7-8 of the Ordinance Regulating Radio Equipment)
Frequency Tolerance	-50≤ppm≤50

3.1.2. SETTING

The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Span	200kHz
RBW / VBW	10kHz / 10kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.1.3. TEST PROCEDURES

Test method according to Clause 3 of Annex No.43 of MIC Notification No.88.

1. Frequency accuracy of SA shall be less than 10% of limits tolerance (5ppm).
2. Set spectrum analyzer with condition in section 3.1.2 and tune reference level to observe receiving signal position.
3. Center Frequency: The center frequency of testing for EUT.
4. EUT have transmitted absence of modulation signal and fixed channelize. f is using the mark cursor to mark the peak frequency value, f_c is declaring of channel frequency.
Then the frequency error formula is $(f-f_c)/f_c \times 10^6$ ppm and the limit is less than ± 50 ppm.

3.1.4. TEST SETUP LAYOUT



3.1.5. TEST DEVIATION

There is no deviation with the original standard.

3.1.6. EUT OPERATION DURING TEST

The EUT was programmed to be in un-modulation mode.

3.1.7. TEST RESULTS

Please refer to the Appendix A.

3.2. OCCUPIED BANDWIDTH MEASUREMENT

3.2.1. LIMIT

Item	Limits (See Article 6 and Annex 2 30 of the Ordinance Regulating Radio Equipment)
Occupied Bandwidth	≤26MHz

3.2.2. SETTING

The following table is the setting of spectrum analyzer.

Spectrum Parameter	Setting
Span	60MHz
RBW / VBW	300kHz / 300kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

3.2.3. TEST PROCEDURES

Test method according to Clause 4 of Annex No.43 of MIC Notification No.88.

1. Set spectrum analyzer with condition in section 3.2.2 and tune reference level to observe receiving signal position.
2. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than 26MHz

3.2.4. TEST SETUP LAYOUT



3.2.5. TEST DEVIATION

There is no deviation with the original standard.

3.2.6. EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.2.7. TEST RESULTS

Please refer to the Appendix B.

3.3. UNWANTED EMISSION INTENSITY MEASUREMENT

3.3.1. LIMIT

Item	Limits
	(See Article 7 and Annex 3 26 of the Ordinance Regulating Radio Equipment)
TX	$\leq 2.5 \mu\text{W/MHz}$ ($30\text{MHz} \leq f \leq 1000\text{MHz}$)
Spurious	$\leq 2.5 \mu\text{W/MHz}$ ($1000\text{MHz} \leq f < 2387\text{MHz}$; $2496.5\text{MHz} < f$)
Emission	$\leq 25 \mu\text{W/MHz}$ ($2387\text{MHz} \leq f < 2400\text{MHz}$) and ($2483.5\text{MHz} < f \leq 2496.5\text{MHz}$)
Measurement range: 30MHz~5th harmonics	

3.3.2. SETTING

The following table is the setting of spectrum analyzer.

Spectrum Parameter	Setting
RBW / VBW	100kHz / 100kHz (30~1000MHz) 1 MHz / 1 MHz (Above 1000MHz)
Detector	Positive Peak
Trace	Max Hold
Sweep Time	Auto

3.3.3. TEST PROCEDURES

Test method according to Clause 5 of Annex No.43 of MIC Notification No.88.

- EUT have transmitted the maximum modulation signal and fixed channelize.
- Set spectrum analyzer with condition in section 3.3.2 and tune reference level to observe receiving signal position.
- SA adjusted to start frequency 30MHz and stop frequency 1000MHz. Then to mark peak reading value + cable loss shall be less than $2.5\mu\text{W/MHz}$.
- SA adjusted to start frequency 1000MHz and stop frequency 2387MHz. Then to mark peak reading value + cable loss shall be less than $2.5\mu\text{W/MHz}$.
- SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than $25\mu\text{W/MHz}$.
- SA adjusted to start frequency 2483.5MHz and stop frequency 2496.5MHz. Then to mark peak reading value + cable loss shall be less than $25\mu\text{W/MHz}$.
- SA adjusted to start frequency 2496.5MHz and stop frequency 12500MHz. Then to mark peak reading value + cable loss shall be less than $2.5\mu\text{W/MHz}$.
- If the Result_Value is over the requirement, take total sum of 1MHz band centered at the spur frequency like time domain power measurement as Result_Value.

3.3.4. TEST SETUP LAYOUT



3.3.5. TEST DEVIATION

There is no deviation with the original standard.

3.3.6. EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

Note:

- ※ 1: Frequency Band 1 ($30\text{MHz} \leq f \leq 1000\text{MHz}$)
- ※ 2: Frequency Band 2 ($1000\text{MHz} \leq f < 2387\text{MHz}$)
- ※ 3: Frequency Band 3 ($2387\text{MHz} \leq f < 2400\text{MHz}$)
- ※ 4: Frequency Band 4 ($2483.5\text{MHz} < f \leq 2496.5\text{MHz}$)
- ※ 5: Frequency Band 5 ($2496.5\text{MHz} < f$)

Band	1	2	3	4	5
Cable Loss(dB)	15.5	15.5	15.5	15.5	15.5

3.3.7. TEST RESULTS

Please refer to the Appendix C.

3.4. ANTENNA POWER TOLERANCE MEASUREMENT

3.4.1. LIMIT

Item	Limits (See Article 14 table 8 and Article 49-20 of the Ordinance Regulating Radio Equipment)
Antenna Power	10 mW or less
EIRP	12.14 - 22.14 dBm or less
Antenna Power Tolerance	+20% (Base on manufacturer declare antenna power)

3.4.2. TEST PROCEDURES

Test method according to Clause 6 of Annex No.43 of MIC Notification No.88.

1. Connect the high frequency power meter to the attenuator and measure the total power.
2. Set the antenna power as follows:
 - a. Continuous waves: value in a.
 - b. Burst waves: value in a, and value calculated from the average power within bursts from rates of transmission times.

3.4.3. TEST SETUP LAYOUT



3.4.4. TEST DEVIATION

There is no deviation with the original standard.

3.4.5. EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.4.6. TEST RESULTS

Please refer to the Appendix D.

3.5. LIMITATION OF COLLATERAL EMISSION OF RECEIVER MEASUREMENT

3.5.1. LIMIT

Item	Limits
	(See Article 24, Paragraph 2 of the Ordinance Regulating Radio Equipment)
RX Spurious Emission	$\leq 4 \text{ nW } (-54 \text{ dBm}) (f < 1\text{GHz})$
	$\leq 20 \text{ nW } (-47 \text{ dBm}) (1\text{GHz} \leq f)$
Measurement range: 30MHz~5th harmonics	

3.5.2. SETTING

The following table is the setting of spectrum analyzer.

Spectrum Parameter	Setting
RBW / VBW	100kHz / 100kHz (30~1000MHz) 1 MHz / 1 MHz (Above 1000MHz)
Detector	Positive Peak
Trace	Max Hold
Sweep Time	Auto

3.5.3. TEST PROCEDURES

Test method according to Clause 7 of Annex No.43 of MIC Notification No.88.

1. EUT have the continuous reception mode and fixed only one channelize.
2. Set spectrum analyzer with condition in section 3.5.2 and tune reference level to observe receiving signal position.
3. SA set RBW: 100kHz and VBW: 100kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW.
4. SA set RBW: 1MHz and VBW: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 12500MHz. Search to mark peak reading value + cable loss shall be less than 20nW.

3.5.4. TEST SETUP LAYOUT



3.5.6. TEST DEVIATION

There is no deviation with the original standard.

3.5.6. EUT OPERATION DURING TEST

The EUT was programmed to be in continuously receiving mode.

Note:

※ 6: Frequency Band 6 ($f < 1\text{GHz}$)

※ 7: Frequency Band 7 ($1\text{GHz} \leq f$)

Band	6	7
Cable Loss(dB)	1	1

3.5.7. TEST RESULTS

Please refer to the Appendix E.

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3.6. TRANSMISSION ANTENNA GAIN (EIRP ANTENNA POWER) MEASUREMENT

3.6.1. LIMIT

Item	Limits (See Article 49-20 of the Ordinance Regulating Radio Equipment)
Transmission Antenna Gain	12.14 dBi or less (When an E.I.R.P. is less than the limit, the shortage can be compensated for by the gain of the transmitting antenna.)

3.6.2. SETTING

The following table is the setting of spectrum analyzer.

Spectrum Analyzer	Setting
Span	0Hz
RBW / VBW	1MHz / 1MHz
Detector	Positive peak
Trace	Max Hold
Sweep Time	Auto

3.6.3. TEST PROCEDURES

Test method according to Clause 10 of Annex No.43 of MIC Notification No.88.

1. Set EUT and measuring antenna at the same height (1.5 m) and roughly facing each other. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Set spectrum analyzer with condition in section 3.6.2 and tune reference level to observe receiving signal position. Center Frequency: Provide maximum power frequency.
3. Rotate directions of the EUT horizontally and vertically to find the maximum receiving power.
4. Move the measuring antenna height up and down within ± 50 cm of EUT height and swing it to find the maximum output of measuring antenna. The output level at the spectrum analyzer is read as "E".
5. Keeping the worst measuring antenna height and turntable angle unchanged, remove the EUT from the turntable and replace it with SG and a replacement standard antenna. Align the replacement antenna with the measuring antenna, and SG sends radio waves of the same frequency as the EUT. Adjust the replacement antenna to the maximum received power.
6. Move the measuring antenna height up and down within ± 50 cm, maintain the worst height, and adjust the output power of SG to achieve the power value "E" in step 4 of the spectrum analyzer.
7. Calculate EIRP by the formula below.

$$\text{EIRP} = G_S - L_F + P_S$$

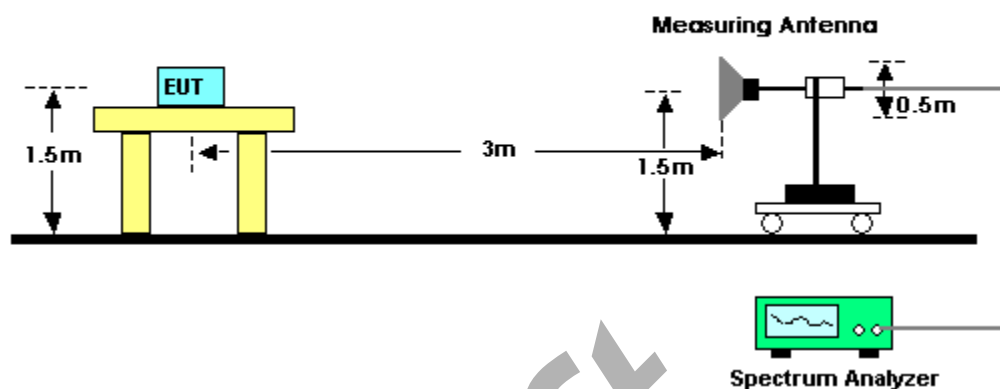
G_S : Gain of replacement antenna (dBi)

L_F : Cable loss between SG and replacement antenna (dB)

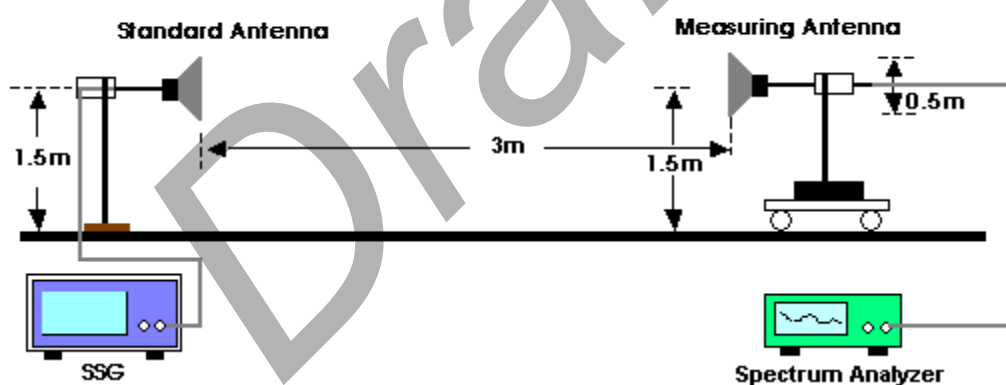
P_S : Output power of SG output port (dBm)

3.6.4. TEST SETUP LAYOUT

For EUT radiation measurement



For standard antenna measurement



3.6.5. TEST DEVIATION

There is no deviation with the original standard.

3.6.6. EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

3.6.7. TEST RESULT OF TRANSMISSION ANTENNA GAIN (EIRP ANTENNA POWER)

Method of measurement:	See MIC Notice No.88 Appendix No.43 Clause 10
Results:	N/A

3.7. TRANSMISSION RADIATION ANGLE WIDTH (3DB BEAMWIDTH) MEASUREMENT

3.7.1. LIMIT

Item	Limits
	(See Article 49-20 of the Ordinance Regulating Radio Equipment)
3dB antenna beam width	$360^\circ/A$ (if $A < 1$; then $A = 1$) $A = \text{EIRP Power [mW]} / 16.36 \text{ [mW]}$

3.7.2. SETTING

The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Span	0Hz
RBW / VBW	1MHz / 1kHz
Y scale	5dB
Detector	Peak
Trace	Max Hold

3.7.3. TEST PROCEDURES

Test method according to Clause 11 of Annex No.43 of MIC Notification No.88.

- Set EUT and measuring antenna at the same height (1.5 m) and roughly facing each other. EUT have transmitted absence of modulation signal and fixed channelize.
- Set spectrum analyzer with condition in section 3.7.2 and tune reference level to observe receiving signal position. Center Frequency: The center frequency of testing for EUT.
- Rotate directions of the EUT horizontally and vertically to find the maximum receiving power.
- Move the measuring antenna height up and down within $\pm 50\text{cm}$ of EUT height and swing it to find the maximum output of measuring antenna. The output level at the spectrum analyzer is read as "E".
- Using the EIRP measured in section 3.6.3, calculate the allowable angles Θ_0 of the EUT's main radiation in the horizontal and vertical directions using the following formula.

$$\Theta_0 = 360^\circ / A$$

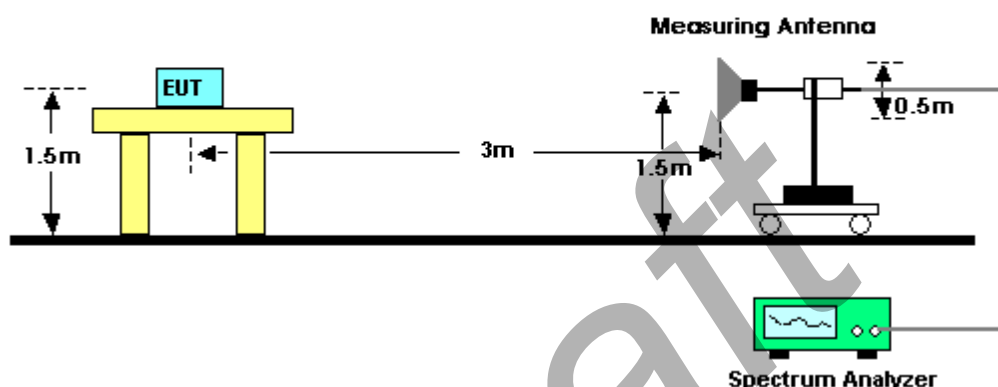
Θ_0 : The allowable angle of the main radiation of EUT transmission antenna ($^\circ$)

A: $\text{EIRP Power [mW]} / 16.36 \text{ [mW]}$ (If $A < 1$; then $A = 1$)

- Rotate the EUT in the horizontal direction, reducing the angle of the rotating table by 3 dB from the maximum point of received power "E" (θ_h : Measure the half angle of the horizontal plane).
- Place the EUT horizontally and rotate it as much as possible around the entire circumference from the main radiation direction Θ_0 to the radiation angle other than the one calculated in step 5, ensuring that the received power drops by more than 3dB from the maximum point "E" of the received power.

8. Vertical tilt EUT, measuring the angle from the horizontal plane when the received power drops by 3dB from the maximum point "E" (θ_v : The half value angle of the vertical plane).
9. After returning the test equipment to position 3, the angle of the main radiation calculated from the direction of the main radiation Θ_0 should be inclined along the vertical plane direction at the widest possible angle (set at 90 degrees or above) for other radiation angles, ensuring that the received power drops by more than 3dB from the maximum point "E" of the received power.

3.7.4. TEST SETUP LAYOUT



3.7.5. TEST DEVIATION

There is no deviation with the original standard.

3.7.6. EUT OPERATION DURING TEST

The EUT was programmed to be in un-modulation mode.

3.7.7. TEST RESULT OF TRANSMISSION RADIATION ANGLE WIDTH (3DB BEAMWIDTH)

Method of measurement:	See MIC Notice No.88 Appendix No.43 Clause 11
Results:	N/A

3.8. RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

3.8.1. LIMIT

Item	Limits (See Article 9-4 Item 5 of the Ordinance Regulating Radio Equipment and Article 6-2 Item 3 of the Regulation for Enforcement of the Radio Law)
Identification code	The wireless equipment of the radio station mainly used in the same station automatically sends or receives the identification code.

3.8.2. MEASURING ID CODE SOFTWARE

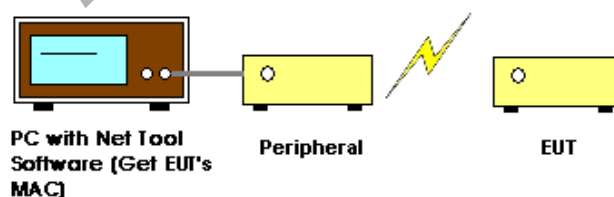
PC with Net Tool	Setting
MAC IP List	MAC Scan

3.8.3. TEST PROCEDURES

Test method according to Clause 23 of Annex No.43 of MIC Notification No.88.

1. In the case that the EUT has the function of automatically transmitting the identification code:
 - a. Transmit the predetermined identification codes form EUT.
 - b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification code:
 - a. Transmit the predetermined identification codes form the counterpart.
 - b. Check if communication is normal.
 - c. Transmit the signals other than predetermined ID codes form the counterpart.
 - d. Check if the EUT stops the transmission, or if it displays that idnetification codes are different from the predetermined ones.

3.8.4. TEST SETUP LAYOUT



3.8.5. TEST DEVIATION

There is no deviation with the original standard.

3.8.6. EUT OPERATION DURING TEST

The EUT was programmed to be in normal mode.

3.8.7. TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILITY

Test Power:	Normal Voltage
Test Mode:	1Mbps
Test Result:	Pass (identification code: [BA:07:50:50:3C:55])

BA:07:50:50:3C:55

Draft

3.9. CONSTRUCTION PROTECTION CONFIRMATION METHOD

3.9.1. LIMIT

(See Article 49-20 of the Ordinance Regulating Radio Equipment)

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

3.9.2. CONFIRMATION METHOD

The RF and modulation portions are protected against illegal modification as following method:

Tick the appropriate box	
☐	1. Sealed with special screws.
☐	2. Plastic chassis is being welded using ultrasonic waves.
☐	3. Chassis is glued using a special adhesive.
☐	4. Metal covers are spot-fused.
☐	5. Cover is specially interlocked.
☐	6. RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	7. Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.
☐	8. Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
☐	9. Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
☒	10. RF and Modulation parts are mounted on PCB with surface mount technology, and there is no any adjustable part on PCB or adjustable parts are not exposed.

4. LIST OF MEASURING EQUIPMENTS

Kind of Equipment	Manufacturer	Model No.	Serial No.	Validity Date (See Note 1)	Calibration Agency	Class Information
Spectrum Analyzer	R&S	FSP38	100852	May 27, 2026	CEPREI Calibration and Testing Center	(c)
Measurement Software	BTL	BTL Conducted Test	N/A	N/A	N/A	-
Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A	N/A	-
DC Block	N/A	N/A	N/A	N/A	N/A	-
Multimeter	FLUKE	15B+(TR13)	45123773WS	May 17, 2026	CEPREI Calibration and Testing Center	(c)
DC power supply	UNI-T	UDP6721	AWP7224050031	Nov. 21, 2026	CEPREI Calibration and Testing Center	(c)
Peak Power Analyzer	Keysight	8990B	MY51000506	May 17, 2026	CEPREI Calibration and Testing Center	(c)
Wideband power sensor	Keysight	N1923A	MY58310004	May 17, 2026	CEPREI Calibration and Testing Center	(c)

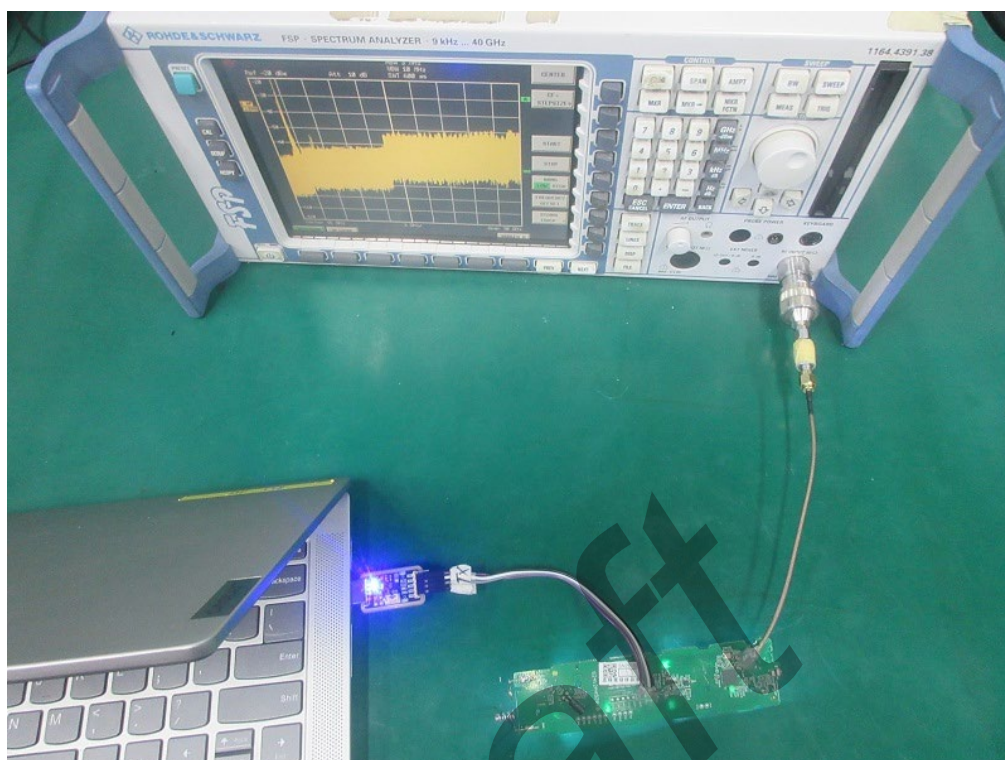
Remark:

- Calibration conducted by the National Institute of Information and Communications Technology (NITC) in Japan (hereinafter referred to as "NITC") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.
- Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No.51 of 1992).
- Calibration conducted in countries except Japan, which shall be equivalent to the calibration Conducted by the NITC or a designation agency under Article 102-18 paragraph (1).
- Calibration, etc. conducted by using measuring instruments and other equipment listed in the above column of appended table No.3, which shall have been given any type of calibration, etc. listed above from (a) to (c). From JRL Article 24-2, paragraph 4, item 2.

Note:

- "N/A" denotes the equipment is verified or confirmed internally by test lab.
- The calibration interval of the above test instruments is 12 months.
- The Calibration Agency(CHINA CEPREI LABORATORY) address for the Building 9, No. 78, West Zhucun Avenue, Zhucun Street, Zengcheng District, Guangzhou City.

5. EUT TEST PHOTO

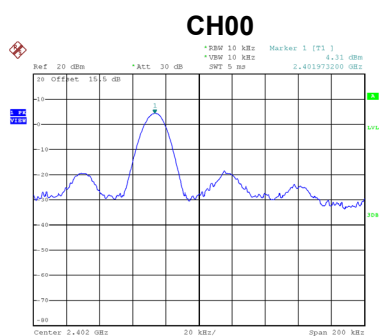


APPENDIX A - FREQUENCY TOLERANCE

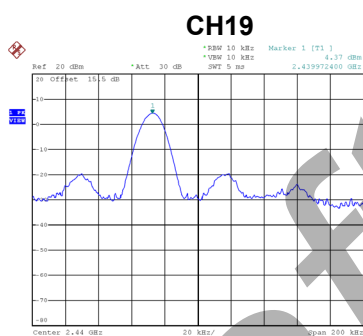
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Test Mode:	TX Mode_1Mbps
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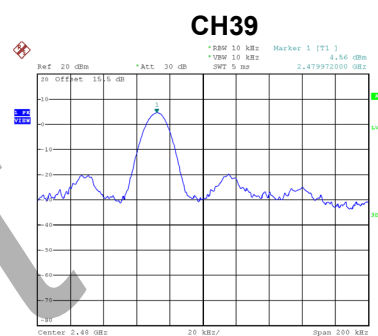
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	2402	2440	2480	Low/Mid/High of test frequency range
Measured Frequency (MHz)	2401.9732	2439.9724	2479.9720	-
Frequency Tolerance (ppm)	-11.16	-11.31	-11.29	Limit: -50≤ppm≤50



Date: 19.DEC.2025 10:25:52



Date: 19.DEC.2025 10:26:21



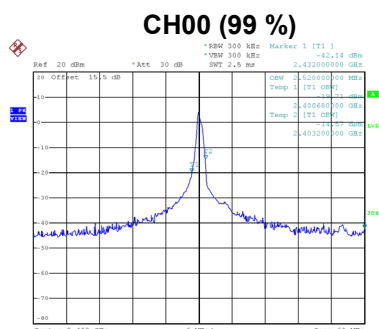
Date: 19.DEC.2025 10:26:40

APPENDIX B - OCCUPIED BANDWIDTH

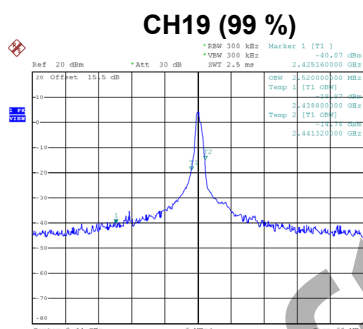
Draft

Test Mode:	TX Mode_1Mbps
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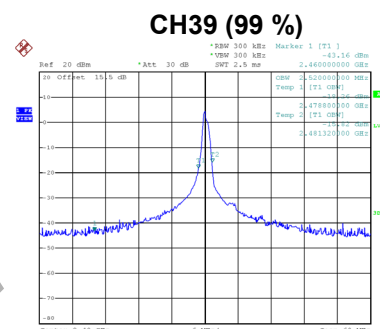
Test Voltage	Normal Voltage			Remarks
Test Frequency (MHz)	2402	2440	2480	Low/Mid/High of test frequency range
Occupied Bandwidth (MHz)	2.52	2.52	2.52	Limit ≤ 26 MHz



Date: 19.DEC.2025 10:01:25



Date: 19.DEC.2025 10:02:16



Date: 19.DEC.2025 10:06:31

APPENDIX C - UNWANTED EMISSION INTENSITY

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Test Mode:	TX Mode_1Mbps
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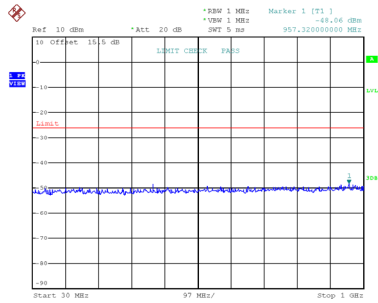
Test Voltage			Normal Voltage			Remarks
Test Frequency (MHz)			2402	2440	2480	Low/Mid/High of test frequency range
Unwanted Emission Intensity (Power emission within 1MHz bandwidth)	※ 1	MHz	957.32	761.38	838.98	Limit ≤ 2.5 μW/MHz (-26 dBm/MHz)
		μW/MHz	0.0156	0.0142	0.0232	
	※ 2	MHz	2387.00	2387.00	2384.23	Limit ≤ 2.5 μW/MHz (-26 dBm/MHz)
		μW/MHz	0.4732	0.0435	0.0202	
	※ 3	MHz	2400.00	2399.53	2399.17	Limit ≤ 25 μW/MHz (-16 dBm/MHz)
		μW/MHz	0.6194	0.1005	0.0476	
	※ 4	MHz	2486.54	2485.66	2483.50	Limit ≤ 25 μW/MHz (-16 dBm/MHz)
		μW/MHz	0.0560	0.1164	8.8716	
	※ 5	MHz	10259.22	4877.33	2496.50	Limit ≤ 2.5 μW/MHz (-26 dBm/MHz)
		μW/MHz	0.1074	0.1172	0.2600	

Note:

Explanation of Marker and ZeroSP test:

- 1) The frequency of Marker during testing is the frequency that exceeds the limit the most.
- 2) The testing of ZeroSP is the worst, covering the entire frequency band.

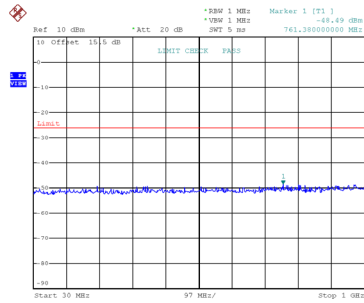
CH00



Date: 19.DEC.2025 09:50:35

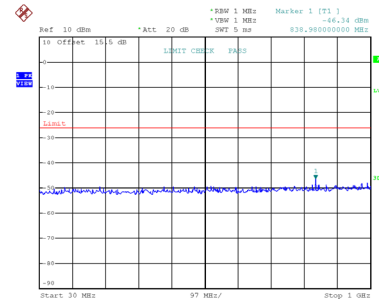
CH19

※1: 30MHz≤f<1000MHz



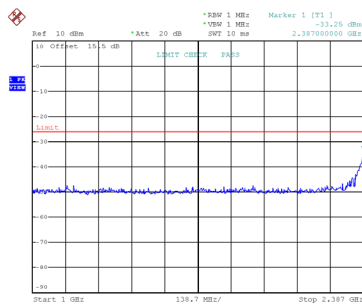
Date: 19.DEC.2025 09:54:26

CH39

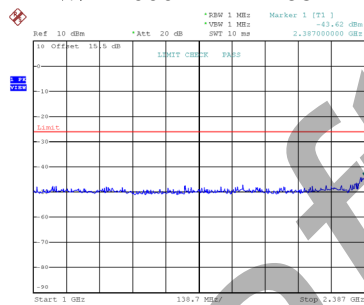


Date: 19.DEC.2025 09:58:17

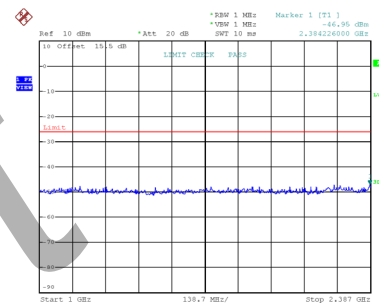
※2: 1000MHz≤f<2387MHz



Date: 19.DEC.2025 09:50:49

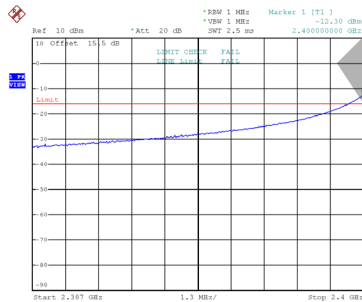


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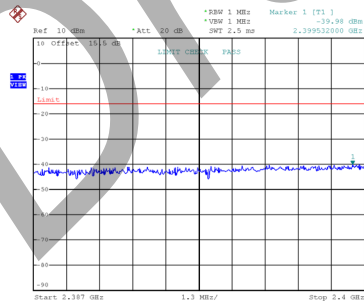


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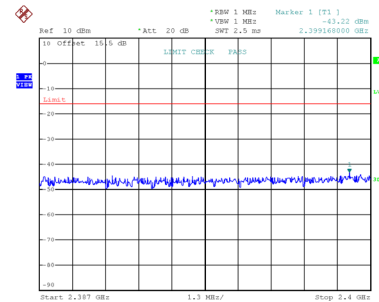
※3: 2387MHz≤f<2400MHz



Date: 19.DEC.2025 10:04:16

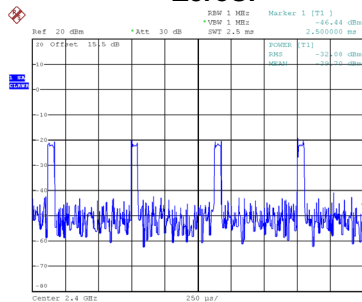


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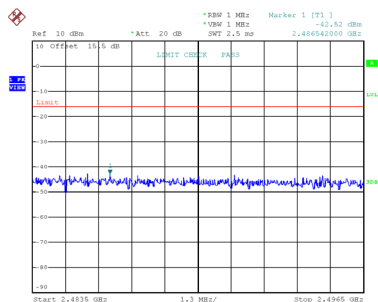
Date: 19.DEC.2025 09:58:45

ZeroSP



Date: 19.DEC.2025 10:04:20

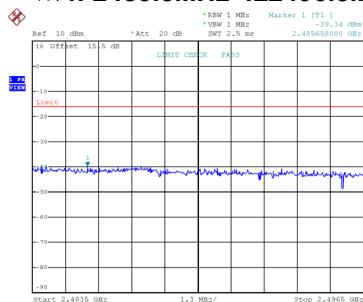
CH00



Date: 19.DEC.2025 09:51:22

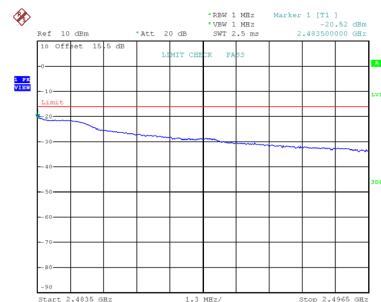
CH19

※4: 2483.5MHz<f≤2496.5MHz



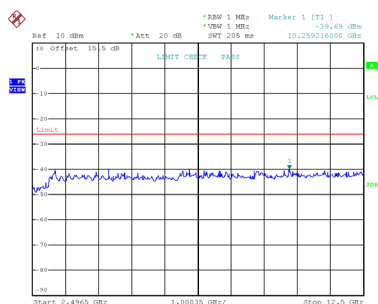
Date: 19.DEC.2025 09:55:08

CH39



Date: 19.DEC.2025 09:58:59

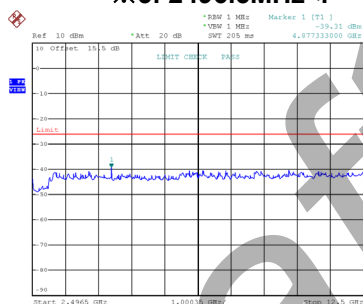
CH00



Date: 19.DEC.2025 09:51:36

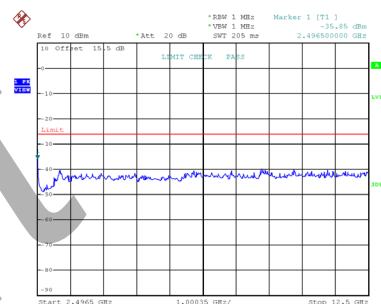
CH19

※5: 2496.5MHz<f



Date: 19.DEC.2025 09:55:22

CH39



Date: 19.DEC.2025 09:59:13

APPENDIX D - ANTENNA POWER TOLERANCE

Draft

Test Mode:	TX Mode_1Mbps
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Normal Voltage

Test Frequency	Conducted Antenna Power		Rated Antenna Power	Conducted Antenna Power Limit	Antenna Power Tolerance Limit	
(MHz)	(dBm)	(mW)	(mW)	(mW)	(+20%)	
2402	3.95	2.4831	2.65	10	-6.30	%
2440	4.11	2.5763	2.65	10	-2.78	%
2480	4.22	2.6424	2.65	10	-0.29	%

Note:

1. Antenna power tolerance = (conducted antenna power–rated antenna power)/rated antenna power * 100%

Draft

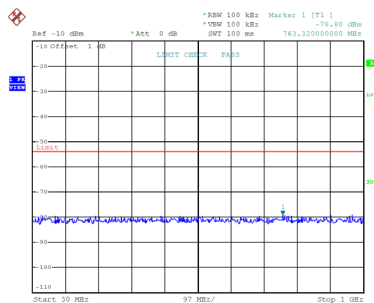
APPENDIX E - LIMITATION OF COLLATERAL EMISSION OF RECEIVER

Draft

Test Mode:	RX Mode_1Mbps
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Test Voltage			Normal Voltage			Remarks
Test Frequency (MHz)			2402	2440	2480	Low/Mid/High of test frequency range
Limitation of Collateral Emission of Receiver	※6	MHz	763.32	47.46	95.96	Limit ≤ 4 nW (-54 dBm)
		nW	0.0132	0.0150	0.0137	
	※7	MHz	4749.00	4749.00	4749.00	Limit ≤ 20 nW (-47 dBm)
		nW	0.0916	0.0887	0.0953	

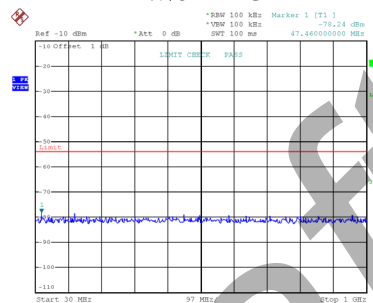
CH00



Date: 19.DEC.2025 11:04:08

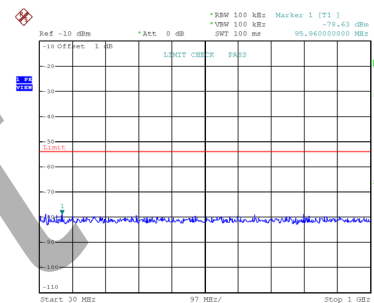
CH19

※6: f<1GHz



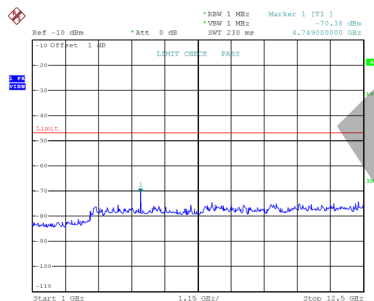
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CH39

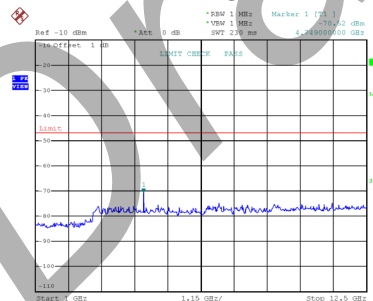


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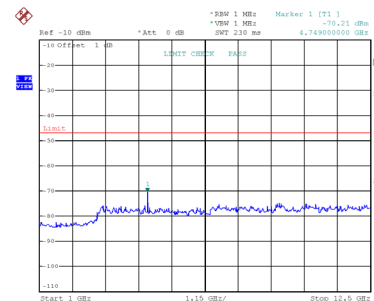
※7: 1GHzzf



Date: 19.DEC.2025 11:04:18



Date: 19.DEC.2025 11:05:22



Date: 19.DEC.2025 11:05:58

End of Test Report