



RADIO TEST REPORT

For

ARTIKA FOR LIVING INC

Fan single CCT remote/Fan multi CCT remote

Test Model: REM-ARTC-2

Additional Model No.: REM-ART-1, REM-ARTC-3

Prepared for : ARTIKA FOR LIVING INC
Address : 1756, 50th Avenue Montréal (Lachine), Québec, Canada
H8T 2V5

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
Address : Room 101, 201, Building A and Room 301, Building C,
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Date of receipt of test sample : February 13, 2025
Number of tested samples : 2
Sample No. : A250104038-1, A250104038-2
Serial number : Prototype
Date of Test : February 13, 2025 ~ March 06, 2025
Date of Report : March 19, 2026



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**RADIO TEST REPORT****ARIB STD-T93**

315 MHz-BAND TELEMETER, TELECONTROL AND DATA TRANSMISSION RADIO EQUIPMENT FOR SPECIFIED LOW-POWER RADIO STATION

Report Reference No. : LCSA03176008EA

Date of Issue : March 19, 2026

Testing Laboratory Name : Shenzhen LCS Compliance Testing Laboratory Ltd.

Address : Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

**Testing Location/ Procedure ... : Full application of Harmonised standards ■
Partial application of Harmonised standards □
Other standard testing method □**

Applicant's Name : ARTIKA FOR LIVING INC

Address : 1756, 50th Avenue Montréal (Lachine), Québec, Canada H8T 2V5

Test Specification

Standard..... : ARIB STD-T93

Test Report Form No. : LCSEMC-1.0

TRF Originator : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF : Dated 2011-03

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Test Item Description..... : Fan single CCT remote/Fan multi CCT remote

Trade Mark..... : ARTIKA

Test Model : REM-ARTC-2

Ratings : DC 3.0V

Result : Positive

Compiled by:

Jack Liu/ Administrator

Supervised by:

Kevin Huang/ RF Manager

Approved by:

Gavin Liang/ Manager



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RADIO -- TEST REPORT

Test Report No. : LCSA03176008EA	March 19, 2026 Date of issue
----------------------------------	---------------------------------

Test Model.....	: REM-ARTC-2
EUT.....	: Fan single CCT remote/Fan multi CCT remote
Applicant.....	: ARTIKA FOR LIVING INC
Address.....	: 1756, 50th Avenue Montréal (Lachine), Québec, Canada H8T 2V5
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Giant Force Technology Inc.
Address.....	: Sui Feng Nian Village, Lin Hai Industries Park, Sha Tian Town, Dong Guan City, China
Telephone.....	: /
Fax.....	: /
Factory.....	: Giant Force Technology Inc.
Address.....	: Sui Feng Nian Village, Lin Hai Industries Park, Sha Tian Town, Dong Guan City, China
Telephone.....	: /
Fax.....	: /

Test Result	Positive
-------------	----------

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	March 06, 2025	Initial Issue	---
001	March 19, 2026	Added Model: REM-ARTC-3	Jack Liu

Note: At the customer's request, the revised report was submitted to LCSA03176008EA applicant by quoting the test data of LCSA02035005EA original report.



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TABLE OF CONTENTS

1. GENERAL INFORMATION	6
1.1. DESCRIPTION OF DEVICE (EUT)	6
1.2. HOST SYSTEM CONFIGURATION LIST AND DETAILS	7
1.3. EXTERNAL I/O CABLE	7
1.4. DESCRIPTION OF TEST FACILITY	7
1.5. TEST CONDITIONS	7
1.6. FREQUENCY OF CHANNELS	7
2. TEST METHODOLOGY	8
2.1. EUT EXERCISE	8
2.2. MEASUREMENT UNCERTAINTY	8
2.3. TABLE FOR PARAMETERS OF TEST SOFTWARE SETTING	8
2.4. DESCRIPTION OF TEST MODES	8
2.5. TEST VOLTAGE	9
3. SYSTEM TEST CONFIGURATION	10
3.1. JUSTIFICATION	10
3.2. EUT EXERCISE SOFTWARE	10
3.3. SPECIAL ACCESSORIES	10
3.4. BLOCK DIAGRAM/SCHEMATICS	10
3.5. EQUIPMENT MODIFICATIONS	10
4. SUMMARY OF TEST RESULTS	11
5. TEST RESULT	12
5.1. OUTPUT POWER	12
5.2. FREQUENCY TOLERANCE	13
5.3. OCCUPIED BANDWIDTH	15
5.4. TRANSMITTER SPURIOUS EMISSIONS (CONDUCTED)	17
5.5. RESTRICTION FUNCTION OF TRANSMISSION TIME	19
5.6. INTERFERENCE PREVENTION FUNCTION	21
5.7. SECONDARY RADIATED EMISSIONS	22
6. PHOTOGRAPHS OF TEST SETUP	24
7. EXTERNAL PHOTOGRAPHS OF THE EUT	24
8. INTERNAL PHOTOGRAPHS OF THE EUT	24
9. LIST OF MEASURING EQUIPMENTS	24



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1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Fan single CCT remote/Fan multi CCT remote
Test Model	:	REM-ARTC-2
Additional Model No.	:	REM-ARTC-1, REM-ARTC-3
Model Declaration	:	PCB board, structure and internal of these model(s) are the same, So no additional models were tested
Ratings	:	DC 3.0V
Hardware Version	:	/
Software Version	:	/
315MHz		
Frequency Range	:	315MHz
Channel Number	:	1 channel
Declared Rated Power (EIRP)	:	0.005mW
Modulation Technology	:	ASK
Antenna Description	:	Internal Antenna, -1.22dBi(Max.)



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1.2. Host System Configuration List and Details

Manufacturer	Description	Model	Serial Number	Certificate
--	--	--	--	--

1.3. External I/O Cable

I/O Port Description	Quantity	Cable
--	--	--

1.4. Description of Test Facility

FCC Registration Number is 254912.

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Industry Canada Registration Number is 9642A.

1.5. Test Conditions

Temperature Range	:	21-25℃
Humidity Range	:	45-85%
Pressure Range	:	86-106kPa

1.6. Frequency of Channels

Channel	Frequency (MHz)
1	315



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2. TEST METHODOLOGY

2.1. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

2.2. Measurement Uncertainty

Test Item		MU	Remark
Bandwidth	:	+/- 0.2 E-6	/
Antenna Power	:	+/-0.33dB	/
Frequency Tolerance	:	+/- 0.3 E-6	/
Conducted spurious emission	:	+/-0.13dB	/
DC Power	:	+/-1%	/

- (1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

2.3. 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. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power Parameters:

Test Software Version	N/A
Frequency	315MHz
Power Control	Default

2.4. Description of Test Modes

Channel	Frequency (MHz)
1	315



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2.5. Test Voltage

POWER SUPPLY VOLTAGE FLUCTUATION TEST

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input To EUT	DC 3.0V	DC 3.3V	DC 2.7V
Output To RF Module	DC 3.3V	DC 3.3V	DC 3.3V
Voltage Variation (%)	--	--	--

Note:

Note: As the EUT was powered by DC 3V, and with the voltage stabilizing circuit used, the chip voltage received floating not exceed $\pm 1\%$ of nominal condition when working on extreme voltage, so all test performed at nominal voltage only.



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3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in engineering mode.

3.2. EUT Exercise Software

N/A

3.3. Special Accessories

N/A.

3.4. Block Diagram/Schematics

Please refer to the related document.

3.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.



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4. SUMMARY OF TEST RESULTS

ARIB STD-T93		
Clause	Description of Test (Transmitter Parameters)	Result
3.2(1)	Output Power (EIRP)	PASS
3.2(2)	Output Power Tolerances	PASS
3.2(4)	Frequency Tolerance	PASS
3.2(10)	Occupied Bandwidth	PASS
3.2(11)	Spurious Emissions	PASS
3.2(5)	Modulation method	N/A
3.2(6)	Interference prevention function	PASS
3.2(7)	Modulation rate	N/A
3.2(12)	Restriction function of transmission Time	PASS
Receiver Parameters		
3.3(1)	Secondary Radiated Emissions	PASS
Note: N/A is an abbreviation for Not Applicable.		



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5. TEST RESULT

5.1. Output Power

5.1.1. Standard Applicable

Type	Limit
Output Power (EIRP)	312MHz - 315.05MHz: 0.25mW 315.05MHz - 315.25MHz: 0.025mW
Tolerance	+20% only

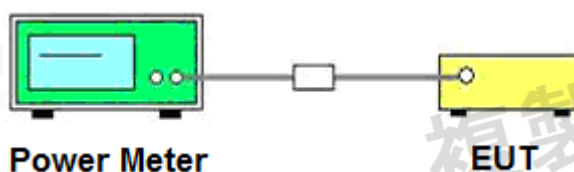
5.1.2. Measuring Instruments

Please refer to section 6 of equipments list in this report.

5.1.2. Test Procedures

EUT have transmitted continuous maximum power

5.1.3. Test Setup



5.1.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.1.5. Test Result

Temperature	23.1℃	Humidity	53.8%
Test Engineer	Jay Luo	Test Voltage	Normal Voltage

Frequency (MHz)	Measured Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	EIRP Limit (mW)	Rated EIRP (mW)	Tolerance	Limit	Test Result
315	-23.39	-1.22	-24.61	0.0035	0.250	0.0050	-30.81%	<+20%	Pass

Remark:

$EIRP (dBm) = Antenna Port Conducted Power (dBm) + Antenna Gain (dBi)$

$Tolerance = (EIRP (mW) - Rated EIRP (mW)) / Rated EIRP (mW) * 100\%$



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5.2. Frequency Tolerance

5.2.1. Standard Applicable

The transmitted frequency should be entirely between 312 to 315.25MHz.

5.2.2. Test Procedures

- Set EUT work in test mode as described in clause 2.4.
- Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the channel under test.

Resolution BW: 510 Hz.

Video BW: 1.5 KHz.

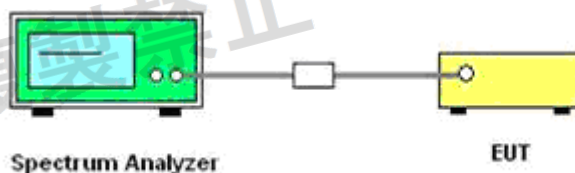
Span: 50KHz.

Detector: Peak.

Trace Mode: Max Hold.

- When the trace is complete, find the peak value of the power envelope and record.

5.2.3. Test Setup Layout



5.2.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.2.5. Test Result

Temperature	23.1℃	Humidity	53.8%
Test Engineer	Jay Luo	Test Voltage	Normal Voltage

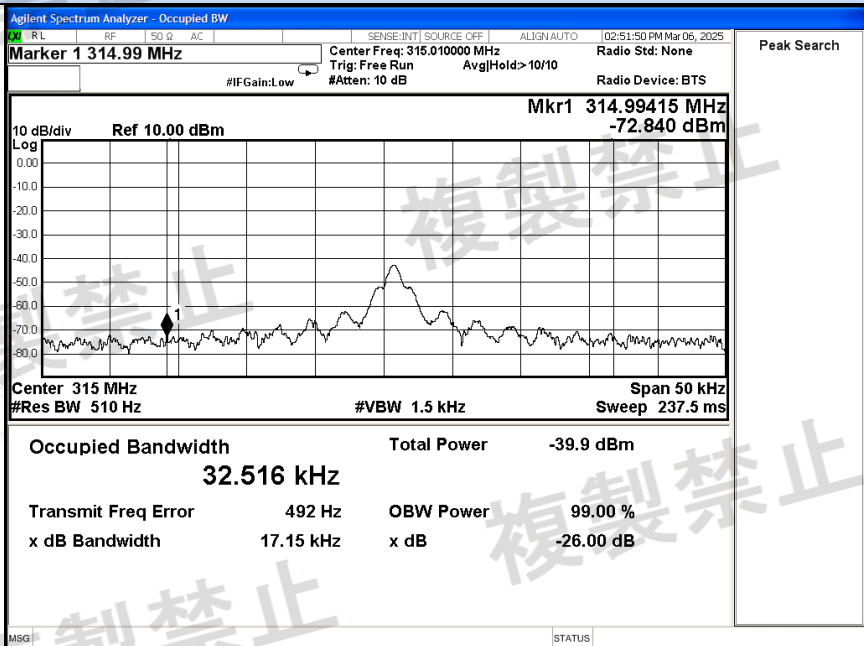
Frequency (MHz)	Occupied Channel Bandwidth (KHz)	f_L (MHz)	f_H (MHz)	Frequency Tolerance Limit (MHz)	Test Result
315	32.516	314.99415	315.02675	312 to 315.05	Pass



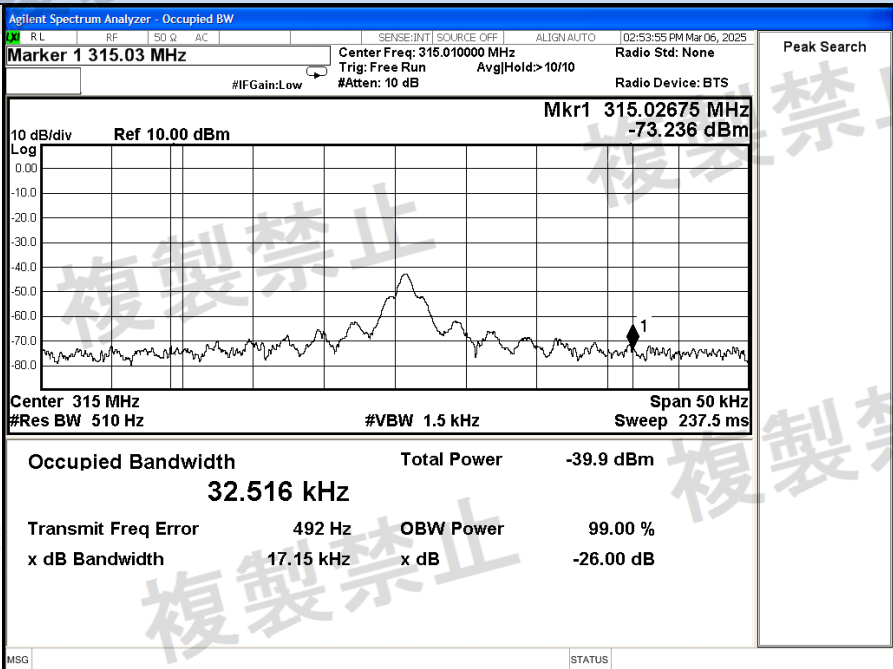


Test Plot of Frequency Tolerance

Test Voltage: Normal Voltage



315MHz



315MHz



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5.3. Occupied Bandwidth

5.3.1. Standard Applicable

The Occupied Bandwidth should be within 1MHz.

5.3.2. Test Procedures

- Set EUT work in test mode as described in clause 2.4.
- Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the channel under test.

RBW/VBW= 510 Hz/1.5KHz

Span: Wide enough to cover the complete power envelope of the signal of the EUT.

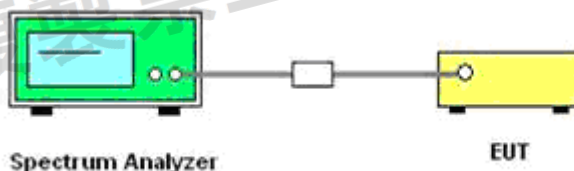
Sweep mode: Continuous sweeping.

Detector: Peak.

Trace Mode: Max Hold.

- When the trace is complete, measure the occupied bandwidth (99% bandwidth) with spectrum analyzer's bandwidth measure function.

5.3.3. Test Setup Layout



5.3.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

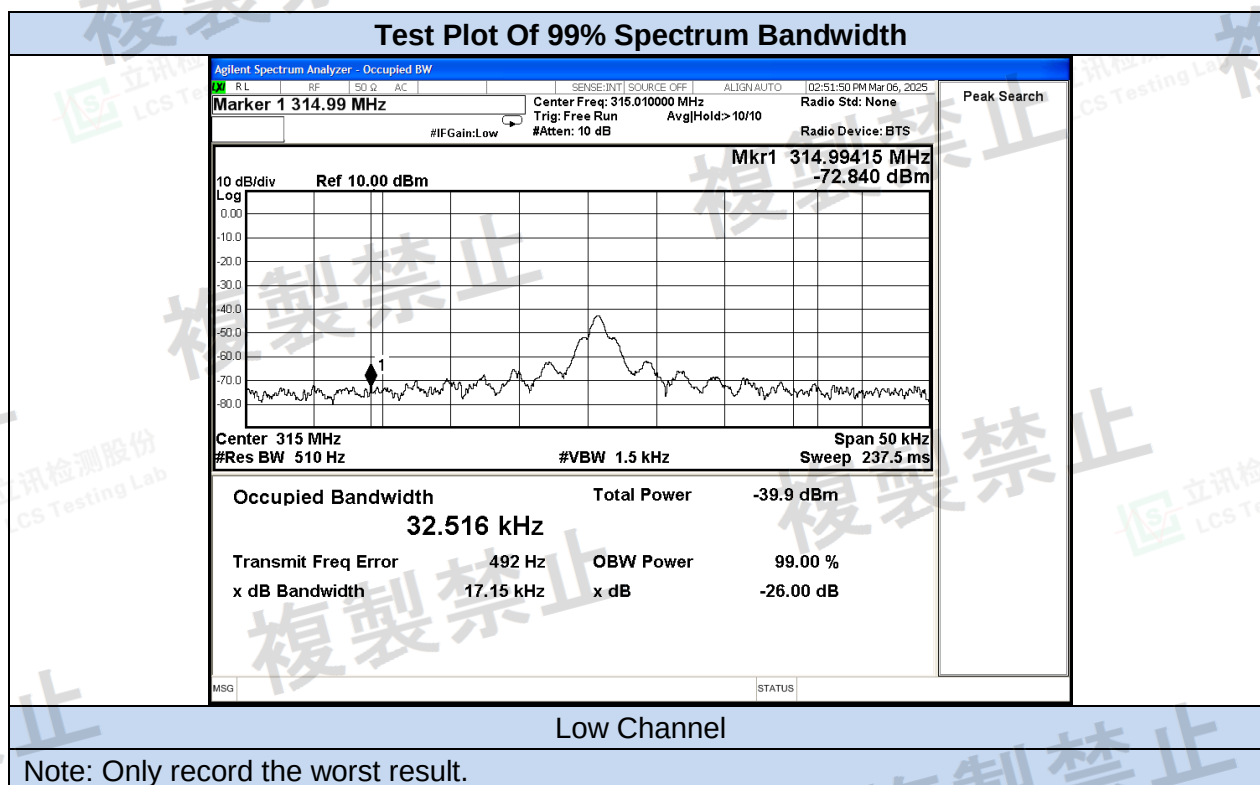




5.3.5. Test Result of 99% Spectrum Bandwidth

Temperature	23.1℃	Humidity	53.8%
Test Engineer	Jay Luo	Test Voltage	Normal Voltage

Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (MHz)	Test Result
315	32.516	1	Pass



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5.4. Transmitter Spurious Emissions (conducted)

5.4.1. Standard Applicable

Permissible mean power of spurious emission of each frequency supplied to a feeder, that is, mean power of spurious emission in the 1 MHz bandwidth at frequency f other than frequency band used shall be as follows:

- | | |
|--|-----------------------|
| a. 30MHz - 312MHz and 315.25MHz – 1GHz | 250 nW/100kHz or less |
| b. 1GHz < f | 1 μ W/MHz or less |

5.4.2. Test Procedures

- Set EUT work in test mode as described in clause 2.4.
- Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Below 1GHz: RBW/VBW= 100 KHz/ 100KHz

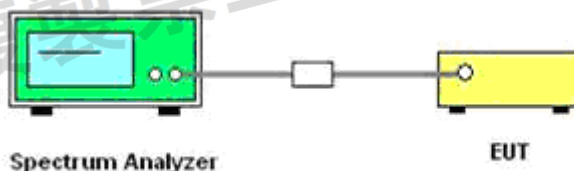
Above 1GHz: RBW/VBW= 1MHz / 1MHz.

Detector: Peak.

Trace Mode: Max Hold.

- All the emissions from 30MHz to 6GHz were measured and record.

5.4.3. Test Setup Layout



5.4.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

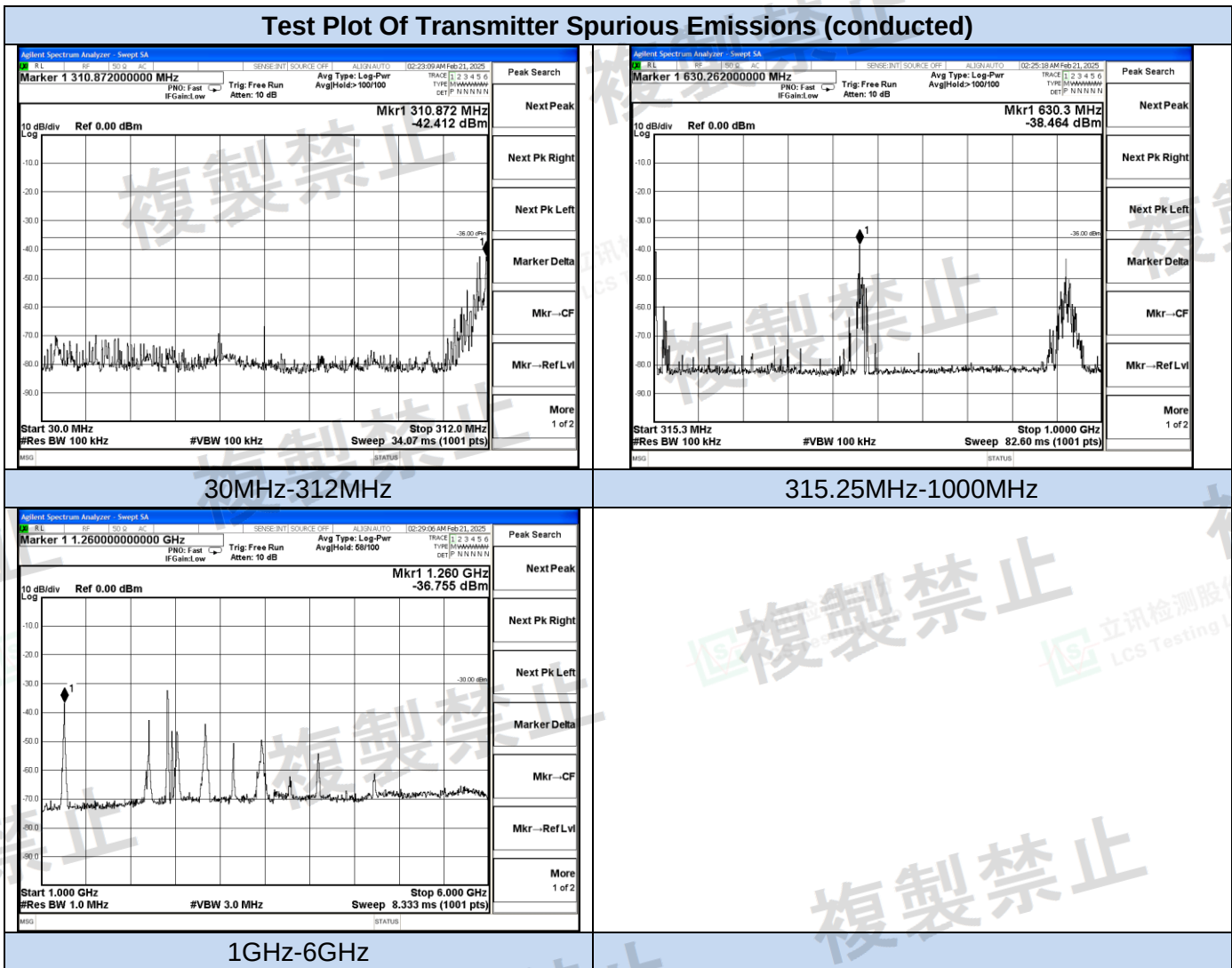
5.4.5. Test Results

Pass.





Temperature	23.1℃	Humidity	53.8%
Test Engineer	Jay Luo	Test Voltage	Normal Voltage



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5.5. Restriction function of transmission Time

5.5.1. Standard Applicable

Transmit cyclically: Transmission Time (Once); within 1 second/Pause Time; over 10 second and over 30 times of "Transmission Time"

Not transmit cyclically: Transmission Time (Once); within 5 second/ Transmission Time (Once, Manual Case); within 90 second

5.5.2. Test Procedures

- Set EUT work in test mode as described in clause 2.4.
- Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the channel under test.

Resolution BW: 100kHz.

Video BW: 300kHz.

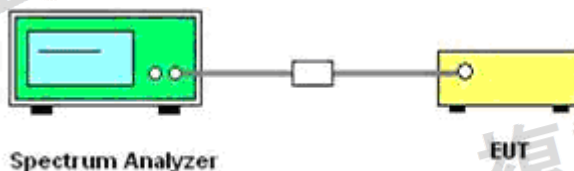
Span: Zero MHz

Detector: Peak.

Trace Mode: Max Hold.

- When the trace is complete, measure the sending time.

5.5.3. Test Setup Layout



5.5.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.5.5. Test Results



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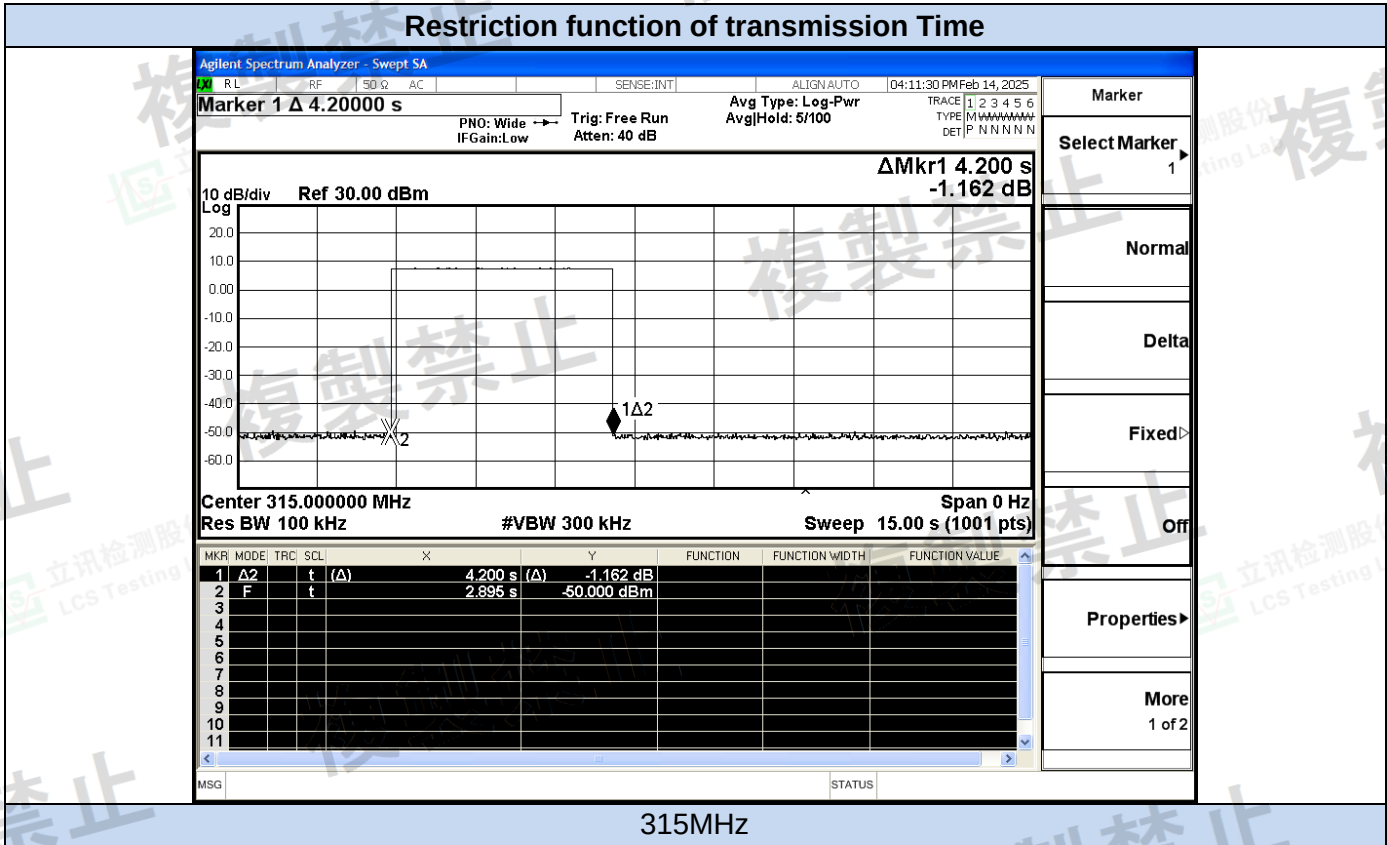
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Temperature	23.1℃	Humidity	53.8%
Test Engineer	Jay Luo	Test Voltage	Normal Voltage

Frequency (MHz)	transmission Time (s)	Limit(s)	Test Result
315	4.200	5	Pass



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5.6. Interference prevention function

5.6.1. Standard Applicable

Item	Limits
Identification code	$\geq$ 48 bits

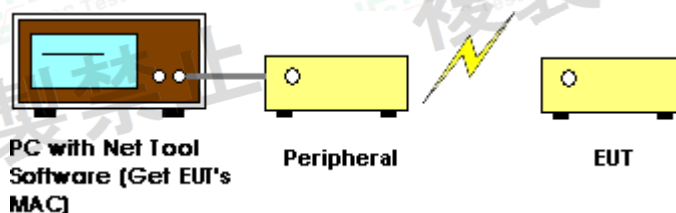
5.6.2. Measuring ID Code Software

PC with NetTool	Setting
MAC IP List	MAC Scan

5.6.3. Test Procedures

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

5.6.4. Test Setup Layout



5.6.5. EUT Operation during Test

The EUT was programmed to be in normal transmitting mode.

5.6.6. Test Result

EUT ID	Performance index
A0:7F:A9:F1:12:DA	Good





5.7. Secondary Radiated Emissions

5.7.1. Standard Applicable

The limit on secondary emissions radiated from the receiving equipment within which the function of other radio equipment will not be impaired shall be, in terms of the power of a dummy antenna circuit that has the same electrical constant as the receiving antenna, 4nW/100kHz or less at a frequency below 1 GHz and 4nW /MHz or less at a frequency of 1 GHz or higher as measured using the circuit

5.7.2. Test Procedures

- Set EUT work in test mode as described in clause 2.4.
- Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Resolution BW: 100 KHz for frequency below 1GHz and
1MHz for frequency above 1GHz

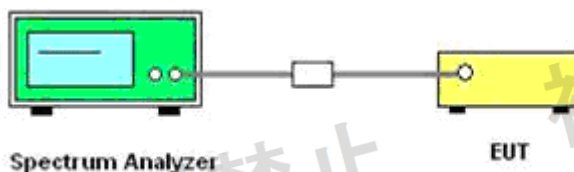
Video BW: 100 KHz for frequency below 1GHz and
1MHz for frequency above 1GHz

Detector: Peak.

Trace Mode: Max Hold.

- All the emissions from 30MHz to 6GHz were measured and record.

5.7.3. Test Setup



5.7.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.7.5. Test Results

Pass.



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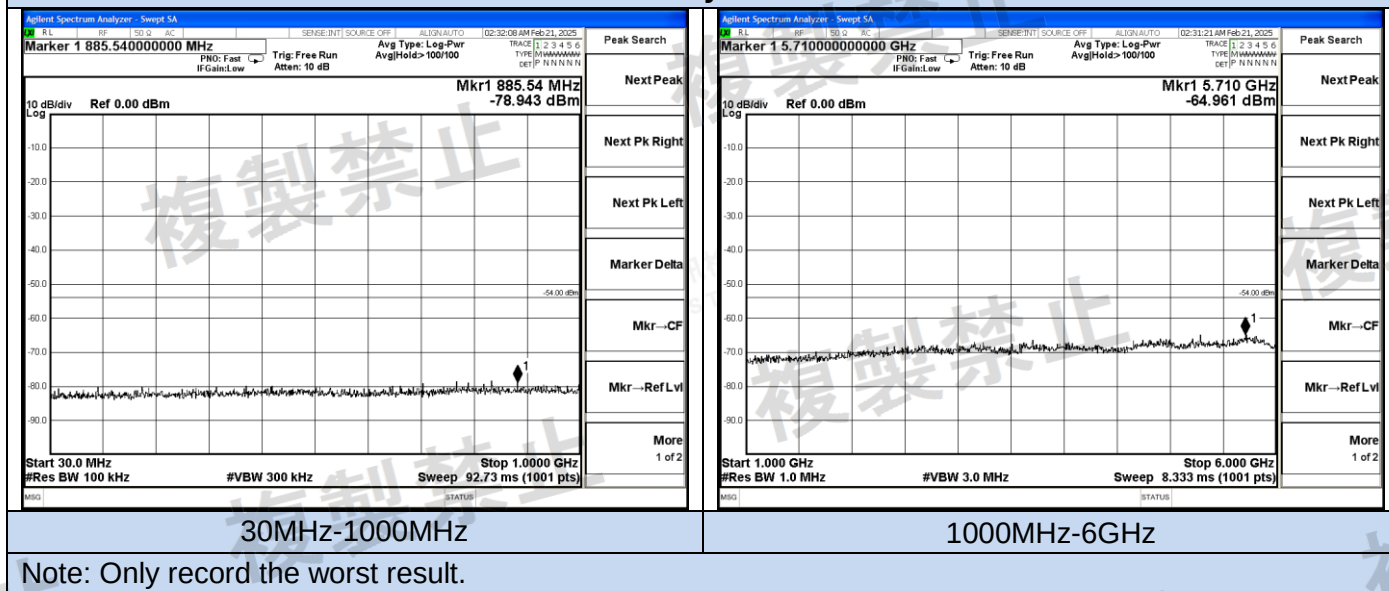
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Temperature	23.1℃	Humidity	53.8%
Test Engineer	Jay Luo	Test Voltage	Normal Voltage

Test Plot Of Secondary Radiated Emissions



Note: Only record the worst result.



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6. PHOTOGRAPHS OF TEST SETUP

Please refer to Appendix A for Test Setup Photographs.

7. EXTERNAL PHOTOGRAPHS OF THE EUT

Please refer to Appendix B for External Photos of EUT.

8. INTERNAL PHOTOGRAPHS OF THE EUT

Please refer to Appendix C for Internal Photos of EUT.

9. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	MXA Signal Analyzer	Agilent	N9020A	MY49100060	2024-10-08	2025-10-07
5	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
6	Oscilloscope	Tektronix	46084A/4609A	140920	2024-06-06	2025-06-05
7	Signal Generator	Agilent	N5182A	MY47071151	2024-06-06	2025-06-05

Note: Calibration by the calibration agencies listed in the table corresponds to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law.
Calibration Agencies: Guangzhou LiSai Metrology & Test Co., Ltd.



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Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2025-05-22	2026-05-21
2	Power Sensor	R&S	NRP-Z81	100458	2025-05-22	2026-05-21
3	Power Sensor	R&S	U2021	10057	2025-05-22	2026-05-21
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	/	2025-11-07	2026-11-06
6	MXA Signal Analyzer	Agilent	N9020A	MY49100699	2025-05-22	2026-05-21
7	MXA Signal Analyzer	Agilent Technologies Inc.	N9020A	MY49100699	2025-05-22	2026-05-21
8	DC Power Supply	Agilent	E3642A	N/A	2025-09-27	2026-09-26
9	Oscilloscope	Tektronix	46084A/4609A	140920	2025-05-22	2026-05-21
10	Signal Generator	Agilent	N5182A	MY47071151	2025-05-22	2026-05-21

Note: Calibration by the calibration agencies listed in the table correspond to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law.

Calibration Agencies: Guangzhou LiSai Metrology & Test Co., Ltd.

☐ (a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18-1 of the Radio Act.

☐ (b) Calibration conducted based on the regulations of Article 135 or 144 of the Measurement Act.

☒ (c) Calibration conducted in foreign countries, which is equivalent to calibration conducted by the NICT or a designated calibration agency under Article 102-18-1 of the Radio Act.

☐ (d) Calibration, etc. conducted by using measuring instruments and other facilities listed at the bottom of appended table 3 of the Radio Act, which is to have been calibrated as described in (a) through (c) above.

-----THE END OF REPORT-----



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