

FCC TEST REPORT

For

Guangzhou aVoice Electronic Technology Co., Ltd.

Microphone

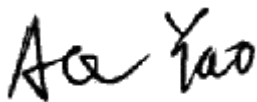
Test Model: YS-M11

Additional Model No.: Please Refer to Page 6

Prepared for	:	Guangzhou aVoice Electronic Technology Co., Ltd.
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Date of receipt of test sample	:	September 25, 2025
Number of tested samples	:	2
Sample No	:	C250922013-1, C250922013-2
Serial number	:	Prototype
Date of Test	:	September 25, 2025 ~ November 25, 2025
Date of Report	:	November 25, 2025

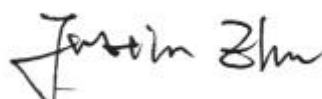
FCC TEST REPORT	
FCC CFR 47 PART 15 C(15.236)	
Report Reference No.	LCSC09235006EA
Date of Issue	November 25, 2025
Testing Laboratory Name	Guangzhou LCS Compliance Testing Laboratory Ltd.
Address	No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China
Testing Location/ Procedure	Full application of Harmonised standards ☒ Partial application of Harmonised standards ☐ Other standard testing method ☐
Applicant's Name	Guangzhou aVoice Electronic Technology Co., Ltd.
Address	Room 0293, Room 203, No. 1 Xinghua Road, Tianhe District, Guangzhou City
Test Specification	
Standard	FCC CFR 47 PART 15 C(15.236)
Test Report Form No	LCSEMC-1.0
TRF Originator	Guangzhou LCS Compliance Testing Laboratory Ltd.
Master TRF	Dated 2011-03
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EUT Description	Microphone
Trade Mark	N/A
Test Model	YS-M11
Ratings	Please Refer to Page 6
Result	Pass

Compiled by:



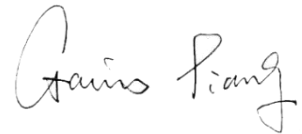
AQ Yao/ Administrator

Supervised by:



Justin Zhu/ Technique principal

Approved by:



Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : LCSC09235006EA	<u>November 25, 2025</u> Date of issue
---	---

Test Model.....	: YS-M11
EUT.....	: Microphone
Applicant.....	: Guangzhou aVoice Electronic Technology Co., Ltd.
Address.....	: Room 0293, Room 203, No. 1 Xinghua Road, Tianhe District, Guangzhou City
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Manufacturer.....	: Guangzhou aVoice Electronic Technology Co., Ltd.
Address.....	: Room 0293, Room 203, No. 1 Xinghua Road, Tianhe District, Guangzhou City
Telephone.....	: /
Fax.....	: /
Factory.....	: Guangzhou aVoice Electronic Technology Co., Ltd.
Address.....	: Room 0293, Room 203, No. 1 Xinghua Road, Tianhe District, Guangzhou City
Telephone.....	: /
Fax.....	: /

Test Result	Pass
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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.

Revision History

Revision	Issue Date	Revision Content	Revised By
000	November 25, 2025	Initial Issue	--

TABLE OF CONTENTS

1. GENERAL INFORMATION	6
1.1. DESCRIPTION OF DEVICE (EUT)	6
1.2. SUPPORT EQUIPMENT LIST	6
1.3. EXTERNAL I/O CABLE	6
1.4. DESCRIPTION OF TEST FACILITY	6
1.5. STATEMENT OF THE MEASUREMENT UNCERTAINTY	7
1.6. MEASUREMENT UNCERTAINTY	7
1.7. DESCRIPTION OF TEST MODES	7
1.8. FREQUENCY OF CHANNELS	8
2. TEST METHODOLOGY	9
2.1. EUT CONFIGURATION	9
2.2. EUT EXERCISE	9
2.3. GENERAL TEST PROCEDURES	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
3.6. TEST SETUP	10
4. SUMMARY OF TEST RESULTS	11
5. TEST RESULT	12
5.1. MAXIMUM OUTPUT POWER	12
5.2. OCCUPIED BANDWIDTH	14
5.3. NECESSARY BANDWIDTH	16
5.4. SPURIOUS EMISSIONS	18
5.5. FREQUENCY STABILITY	22
5.6. AC POWER LINE CONDUCTED EMISSIONS	25
5.7. ANTENNA REQUIREMENTS	28
6. LIST OF MEASURING EQUIPMENTS	29
7. TEST SETUP PHOTOGRAPHS OF EUT	30
8. EXTERIOR PHOTOGRAPHS OF THE EUT	30
9. INTERIOR PHOTOGRAPHS OF THE EUT	30

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	: Microphone
Test Model	: YS-M11
Additional Model No.	: YS-M12, YS-M13, YS-M14, YS-M15, YS-M16, YS-M17, YS-M18, YS-M19
Model Declaration	: PCB board, structure and internal of these model(s) are the same, So no additional models were tested
Power Supply	: Input: DC 5V DC 3.7V by Rechargeable Li-ion Battery, 450mAh
Hardware Version	: /
Software Version	: /
UHF	
Operation frequency	: 657MHz~662MHz
Channel Number	: 10 Channels
Modulation Type	: pi/4 DQPSK
Antenna Type	: Monopolo Antenna
Antenna Gain	: -0.4dBi
Extreme temp. Tolerance	: -30°C to +50°C

1.2. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
Shenzhen Wanyou Electronic Technology Co., Ltd	Adapter	M4-050100A1	---	FCC

Note: The adapter is supplied by lab and only use tested.

1.3. External I/O Cable

I/O Port Description	Quantity	Cable
Type-C USB Port	1	USB Cable: 0.8m, unshielded

1.4. Description of Test Facility

CNAS Registration Number is L11555
A2LA Certificate Number: 5099.01
FCC Designation Number is CN1379
Test Firm Registration Number: 729882

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6. Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)

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

1.7. Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in X position.

Worst-case mode and channel used for 150 kHz-30 MHz power line conducted emissions was the mode and channel with the highest output power, which was determined to be (HCH).

Worst-case mode and channel used for 9kHz-1000 MHz radiated emissions was the mode and channel with the highest output power, that was determined to be (HCH).

Worst-Case data rates were utilized from preliminary testing of the Chipset, worst-case data rates used during the testing are as follows:

Modulation Type	Test Frequency (MHz)
pi/4 DQPSK	657.50
	660.00
	662.00

1.8. Frequency of Channels

Channel No. & Frequency:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	657.50	6	660.00
2	658.00	7	660.50
3	658.50	8	661.00
4	659.00	9	661.50
5	659.50	10	662.00

2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.26-2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Guangzhou LCS Compliance Testing Laboratory Ltd.

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

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

According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.207, and 15.236 under the FCC Rules Part 15 Subpart C.

2.3. General Test Procedures

2.3.1 Power Line Conducted Emissions(N/A)

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.4-2014 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

please refer to radated spurioes emission

3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. EUT Exercise Software

The system was configured for testing in a continuous transmits condition;and transmission frequency by switch button control.

3.3. Special Accessories

N/A

3.4. Block Diagram/Schematics

Please refer to the related document

3.5. Equipment Modifications

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

3.6. Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC CFR 47 PART 15 C(15.236)		
FCC Rules	Description of Test	Result
FCC Part 15.236(d)(1)(i)	Maximum Peak Output Power	Compliant
FCC Part 15.236(f)(1)(ii)	Occupied Bandwidth	Compliant
FCC Part 15.236(g)(2)	Necessary Bandwidth	Compliant
FCC Part 15.236(g)(4)	Spurious Emissions	Compliant
FCC Part 15.236(f)(1)(iii)	Frequency Stability	Compliant
FCC Part 15.207	AC Power line conducted emissions	Compliant
FCC Part 15.203	Antenna Requirements	Compliant

5. TEST RESULT

5.1. Maximum Peak Output Power

5.1.1. Limits

According to FCC 15.236(d)(1), The maximum radiated power shall not exceed the following values:

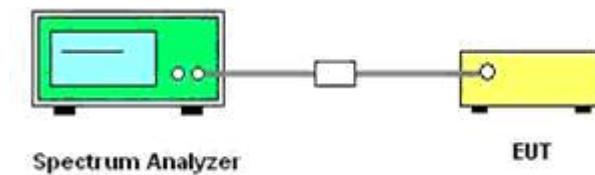
(1) In the bands allocated and assigned for broadcast television:

(i) Wireless microphones: 50 mW(17dBm) EIRP.

5.1.2. Test Procedures

Measurement parameter	
Detector:	Peak (worst case) / Average (RMS)
Sweep time:	Auto / 20s
Resolution bandwidth:	> emission bandwidth
Video bandwidth:	> resolution bandwidth
Span:	> 2 times emissions bandwidth
Trace mode:	Max. hold
EUT configuration:	Peak: Unmodulated carrier RMS: Modulate the transmitter with a 2.5 kHz tone at a level 16 dB higher than that required to produce a frequency deviation of ± 75 kHz, or to produce 50% of the manufacturer's rated deviation, whichever is less.

5.1.3. Test Configuration



5.2.4. EUT Operation During Test

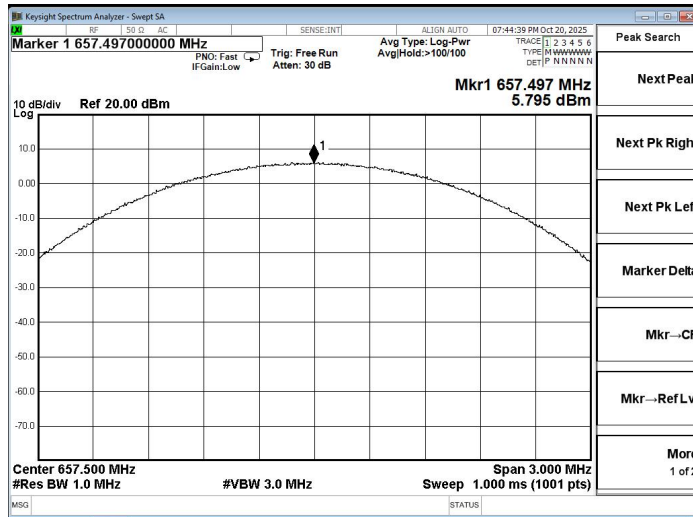
The EUT was programmed to be in continuously transmitting mode.

5.1.5. Test Result

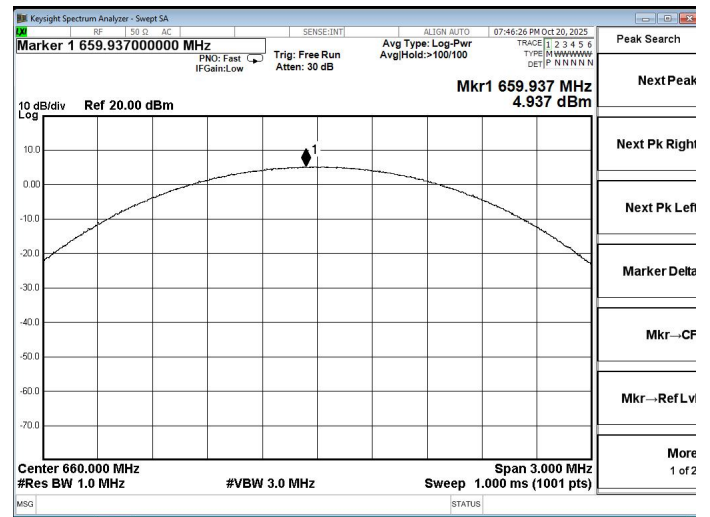
Test Mode	Frequency (MHz)	Measured Maximum Peak Power(dBm)	Antenna Gain(dBi)	EIRP (dBm)	EIRP (mW)	EIRP Limits (mW)	Verdict
pi/4 DQPSK	657.50	5.795	-0.4	5.395	3.463	50	PASS
pi/4 DQPSK	660.00	4.937	-0.4	4.537	2.842	50	PASS
pi/4 DQPSK	662.00	4.847	-0.4	4.447	2.784	50	PASS

Note: EIRP=Peak Power+Antenna Gain

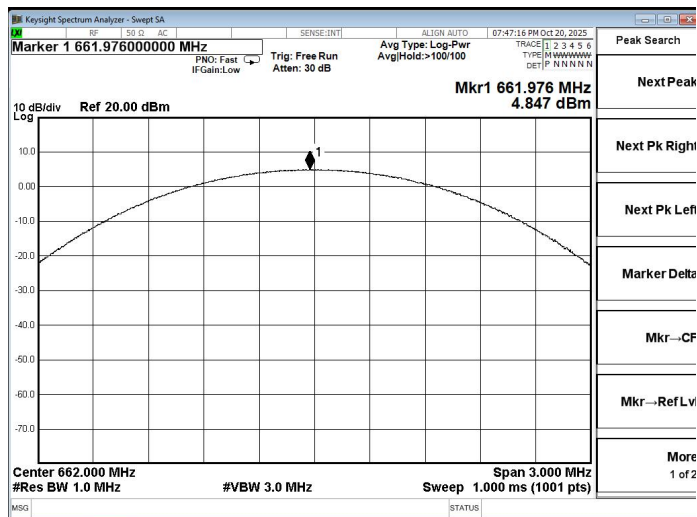
Plots of Maximum Peak Output Power



657.50MHz



660.00MHz



662.00MHz

5.2. Occupied Bandwidth

5.2.1. Limits

According to §15.236(f)(1): The operating frequency within a permissible band of operation defined in paragraph (c) of this section must comply with the following requirements.

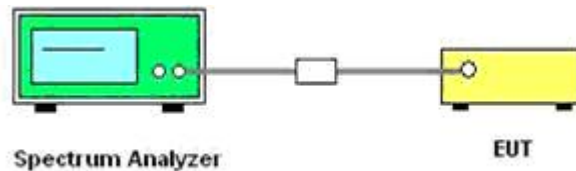
(i) The frequency selection shall be offset from the upper or lower band limits by 25 kHz or an integral multiple thereof.

(ii) One or more adjacent 25 kHz segments within the assignable frequencies may be combined to form a channel whose maximum bandwidth shall not exceed 200 kHz. The operating bandwidth shall not exceed 200 kHz.

5.2.2. Test Procedures

Measurement parameter	
Detector:	Peak
Sweep time:	Auto
Resolution bandwidth:	1 % to 5 % of the occupied bandwidth
Video bandwidth:	3 x resolution bandwidth
Span:	2 x emission bandwidth
Trace mode:	Max. hold
Analyzer function:	99% power occupied bandwidth function
EUT:	Modulated signal with max. frequency deviation

5.2.3. Test Configuration



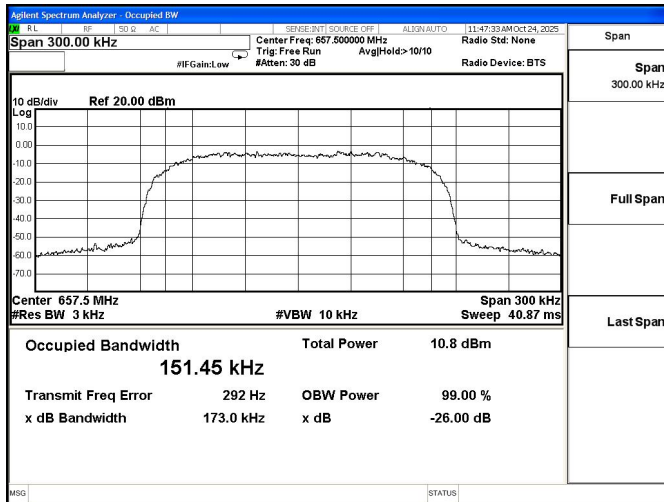
5.2.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

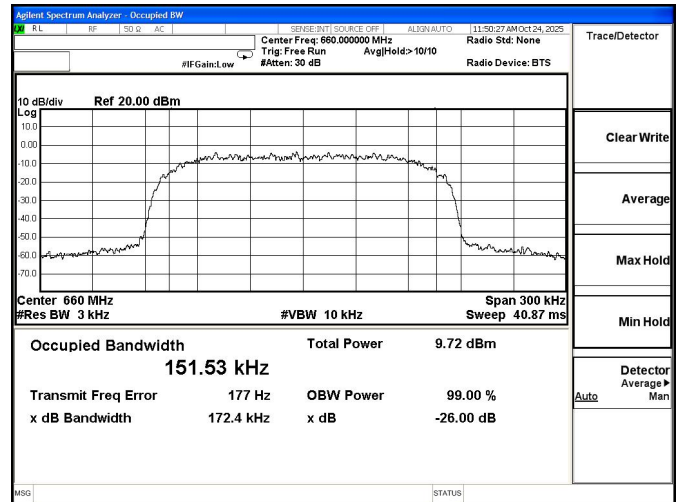
5.2.5. Test Result

Test Mode	Frequency (MHz)	99% Bandwidth (kHz)	Limits (kHz)	Verdict
pi/4 DQPSK	657.50	151.45	200	PASS
pi/4 DQPSK	660.00	151.53	200	PASS
pi/4 DQPSK	662.00	151.73	200	PASS

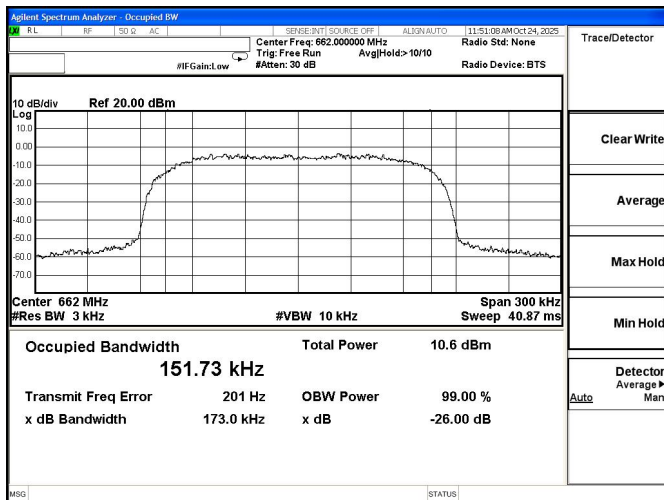
Plots of 99% Bandwidth



657.50MHz



660.00MHz



662.00MHz

5.3. Necessary Bandwidth

5.3.1. Limits

According to §15.236(g)(2): Emissions within the band from $2.5 \times B$ below to $2.5 \times B$ above the carrier frequency, where B is the channel bandwidth, shall comply with the emission mask in Figure 2 of section 4.2.4.2.2 of ETSI EN 300 422-1 V2.2.1 (2021-11) (incorporated by reference, see § 15.38)

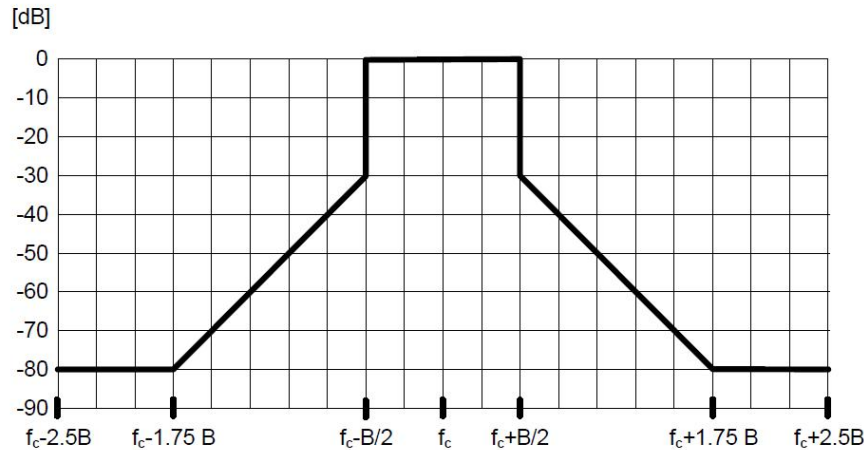


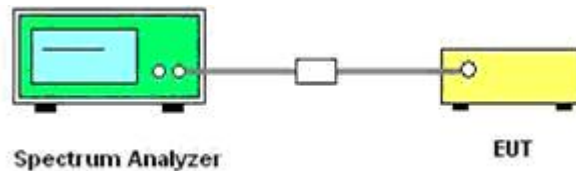
Figure 2: Transmit spectral power mask for equipment employing digital modulation, except WMAS, RBW = 1 kHz

5.3.2. Test Procedures

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Measurement parameter	
Detector:	Peak - Quasi Peak / Average
Sweep time:	Auto
Resolution bandwidth:	1 kHz
Video bandwidth:	1 kHz
Span:	Fc-1MHz to fc+1MHz(2MHz)
Trace mode:	Max Hold

5.3.3. Test Configuration

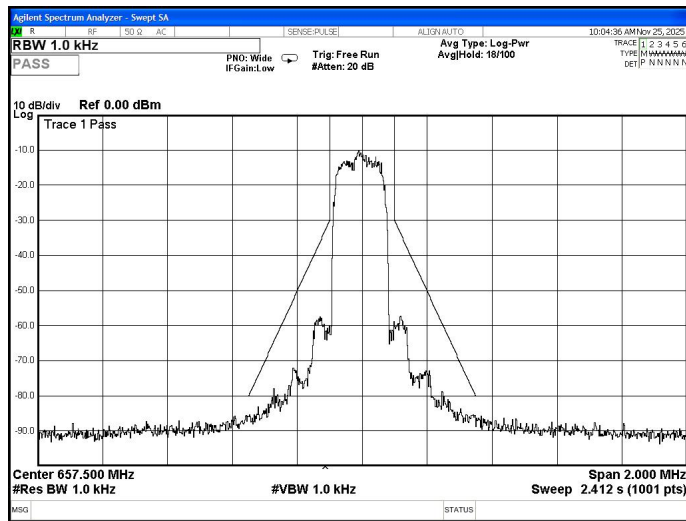


5.3.4. EUT Operation during Test

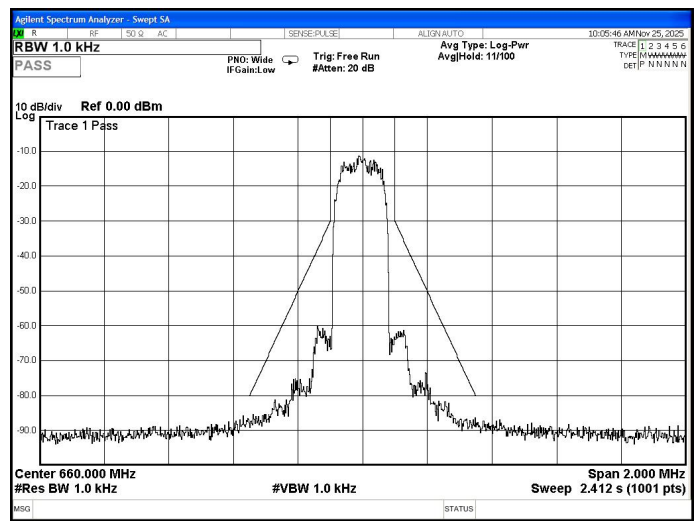
The EUT was programmed to be in continuously transmitting mode.

5.3.5. Test Result

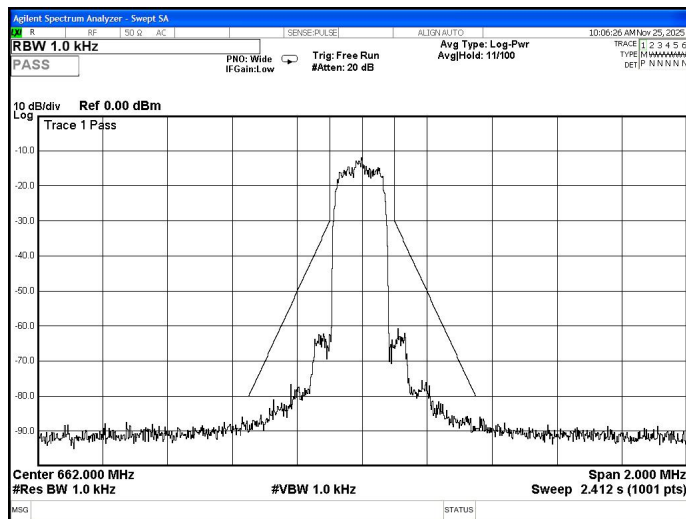
Plots of Necessary Bandwidth



657.50MHz



660.00MHz



662.00MHz

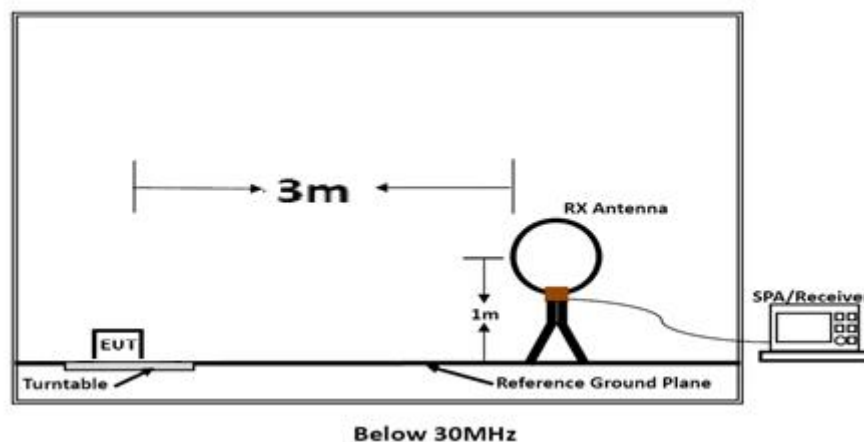
5.4. Spurious Emissions

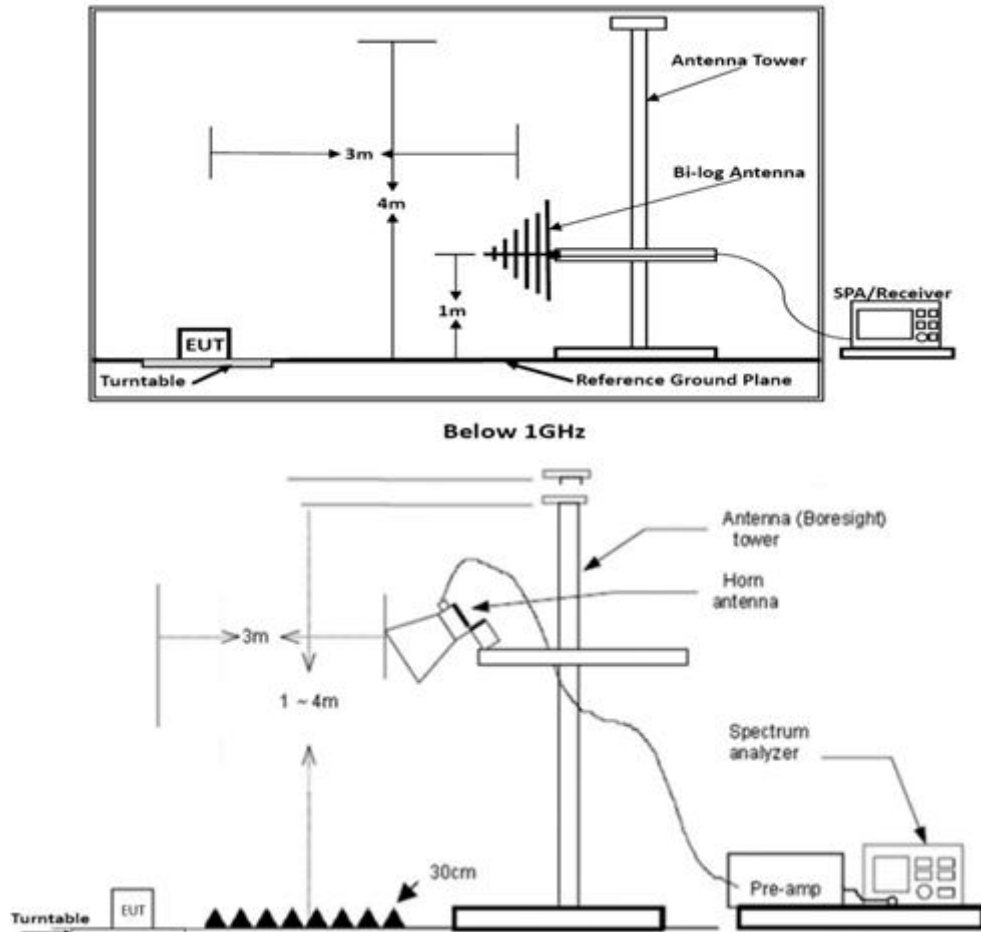
5.4.1. Limits

According to §15.236(g)(4): Spurious emission limits. Emissions outside of the emission masks listed in paragraphs (g)(1) through (g)(3) shall comply with the limits specified in section 4.2.4.1.2 of ETSI EN 300 422-1 V2.2.1(2021-11), (incorporated by reference, see § 15.38).

Frequency range	Maximum power	RBW
9 kHz - 150 kHz	-36 dBm	1 kHz
150 kHz - 30 MHz	-36 dBm	10 kHz
30 MHz - 1 GHz	-36 dBm	$F_c + 2,5 B \leq f \leq f_c + 4 B$: 1 kHz $F_c + 4 B < f \leq f_c + 10 B$: 10 kHz $f > f_c + 10 B$: 100 kHz $f < f_c - 10 B$: 100 kHz $f_c - 10 B \leq f < f_c - 4 B$: 10 kHz $f_c - 4 B \leq f \leq f_c - 2,5 B$: 1 kHz
except:		
47 MHz - 74 MHz 87,5 MHz - 118 MHz	-54 dBm	100 kHz
174 MHz - 230 MHz 470 MHz - 862 MHz	-54 dBm	$F_c + 2,5 B \leq f \leq f_c + 4 B$: 1 kHz $F_c + 4 B < f \leq f_c + 10 B$: 10 kHz $f > f_c + 10 B$: 100 kHz $f < f_c - 10 B$: 100 kHz $f_c - 10 B \leq f < f_c - 4 B$: 10 kHz $f_c - 4 B \leq f \leq f_c - 2,5 B$: 1 kHz
$1 \text{ GHz} < f \leq F_{\text{upper}}$	-30 dBm	$F_c + 2,5 B \leq f \leq f_c + 10 B$: 30 kHz $F_c + 10 B < f \leq f_c + 12 B$: 300 kHz $f > f_c + 12 B$: 1 MHz $f < f_c - 12 B$: 1 MHz $f_c - 12 B \leq f < f_c - 10 B$: 300 kHz $f_c - 10 B \leq f \leq f_c - 2,5 B$: 30 kHz

5.4.2. Test Configuration





Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade from 3m to 1m.

5.4.3. Test Procedure

1. The setup of EUT is according with per TIA/EIA Standard 603 and ANSI C63.4-2014 measurement procedure.
2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10 th carrier harmonic
RBW / VBW	1MHz / 3MHz for Peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~30MHz / RBW/VBW 10kHz/30kHz for Peak
Start ~ Stop Frequency	30MHz~1000MHz / RBW/VBW 120kHz/300kHz for Peak

5.4.4. Test Results

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$\text{FS (dBuV/m)} = \text{RA (dBuV)} + \text{AF (dB/m)} + \text{CL (dB)} - \text{AG (dB)}$$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

Results of Radiated Emissions (9 KHz~30MHz)

Temperature	23.8°C	Humidity	52.1%
Test Engineer	Jone Lee	Configurations	1/4πDQPSK

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dBuV)	Remark
-	-	-	-	See Note

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

Results of Radiated Emissions (30MHz~10th carrier harmonic)

Temperature	23.8°C	Humidity	52.1%
Test Engineer	Jone Lee	Configurations	1/4πDQPSK

PASS.

The test data please refer to following page.

Test mode: Tx (657.5MHz)					
Frequency (MHz)	Polarization (H/V)	Measurement EIRP (dBm)	Limit (dBm)	Margin (dB)	Result
161.01	V	-60.46	-36.00	24.46	PASS
1081.62	V	-64.36	-30.00	34.36	
1621.47	V	-65.61	-30.00	35.61	
--	--	--	--	--	
161.01	H	-61.06	-36.00	25.06	
1081.62	H	-65.23	-30.00	35.23	
1621.47	H	-65.48	-30.00	35.48	
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Test mode: Tx (660.0MHz)					
Frequency (MHz)	Polarization (H/V)	Measurement EIRP (dBm)	Limit (dBm)	Margin (dB)	Result
155.34	V	-61.78	-36.00	25.78	PASS
1136.53	V	-65.25	-30.00	35.25	
1717.57	V	-66.87	-30.00	36.87	
--	--	--	--	--	
155.34	H	-62.14	-36.00	26.14	
1136.53	H	-66.49	-30.00	36.49	
1717.57	H	-66.55	-30.00	36.55	
--	--	--	--	--	

Test mode: Tx (662.0MHz)					
Frequency (MHz)	Polarization (H/V)	Measurement EIRP (dBm)	Limit (dBm)	Margin (dB)	Result
146.68	V	-62.93	-36.00	26.93	PASS
1197.91	V	-67.52	-30.00	37.52	
1794.56	V	-67.71	-30.00	37.71	
--	--	--	--	--	
146.68	H	-62.39	-36.00	26.39	
1197.91	H	-67.81	-30.00	37.81	
1794.56	H	-67.28	-30.00	37.28	
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5.5. Frequency Stability

5.5.1. Limits

According to §15.236(f)(1)(iii): The frequency tolerance of the carrier signal shall be maintained within $\pm 0.005\%$ of the operating frequency over a temperature variation of -20 degrees to $+50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. Battery operated equipment shall be tested using a new battery.

Requirements: ± 50 ppm

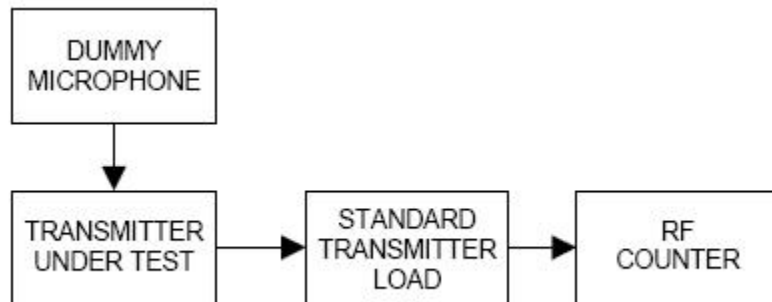
5.5.2. Test Procedures

1. Setup the configuration of the ambient temperature from -20°C to 50°C with sufficient time.

And measure the different power of the EUT with an artificial power from highest to end point voltage.

2. Set frequency counter center frequency to the right frequency needs to be measured band.

5.5.3. Test Configuration



5.5.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.5.5. Test Result

Frequency: 657.50MHz		
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within +/- 26.875 kHz
50	3.7	+2.71
40	3.7	+2.27
30	3.7	+2.21
20	3.7	+1.76
10	3.7	-1.62
0	3.7	-1.70
-10	3.7	-1.92
-20	3.7	-2.26
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within Max +/- 26.875 kHz
20	3.145	+2.05
20	3.7	-1.83
20	4.255	-2.16

Frequency: 660.00MHz		
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within +/- 26.875 kHz
50	3.7	+2.83
40	3.7	+2.28
30	3.7	+2.13
20	3.7	+1.76
10	3.7	-0.98
0	3.7	-1.55
-10	3.7	-1.88
-20	3.7	-2.21
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within Max +/- 26.875 kHz
20	3.145	+2.11
20	3.7	-1.75
20	4.255	-2.25

Frequency: 662.00MHz		
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within +/- 26.875 kHz
50	3.7	+2.61
40	3.7	+2.39
30	3.7	+2.11
20	3.7	+1.72
10	3.7	-1.02
0	3.7	-1.44
-10	3.7	-2.06
-20	3.7	-2.23
Environment Temperature (°C)	Power Supplied (Vdc)	Frequency Measure with Time Elapsed Total emission within Max +/- 26.875 kHz
20	3.145	+2.08
20	3.7	-1.77
20	4.255	-2.18

5.6. AC Power line conducted emissions

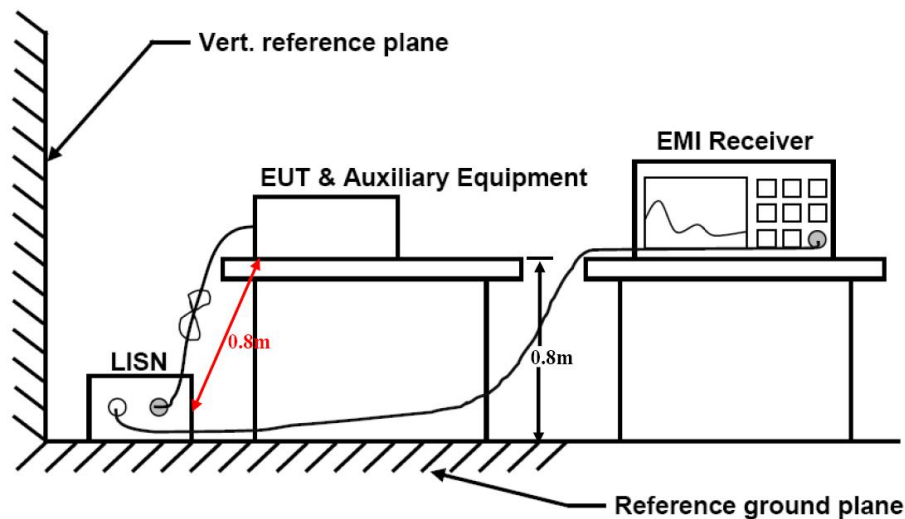
5.6.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

5.6.2 Block Diagram of Test Setup



5.6.3 Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$CD \text{ (dB}\mu\text{V)} = RA \text{ (dB}\mu\text{V)} + PL \text{ (dB)} + CL \text{ (dB)}$$

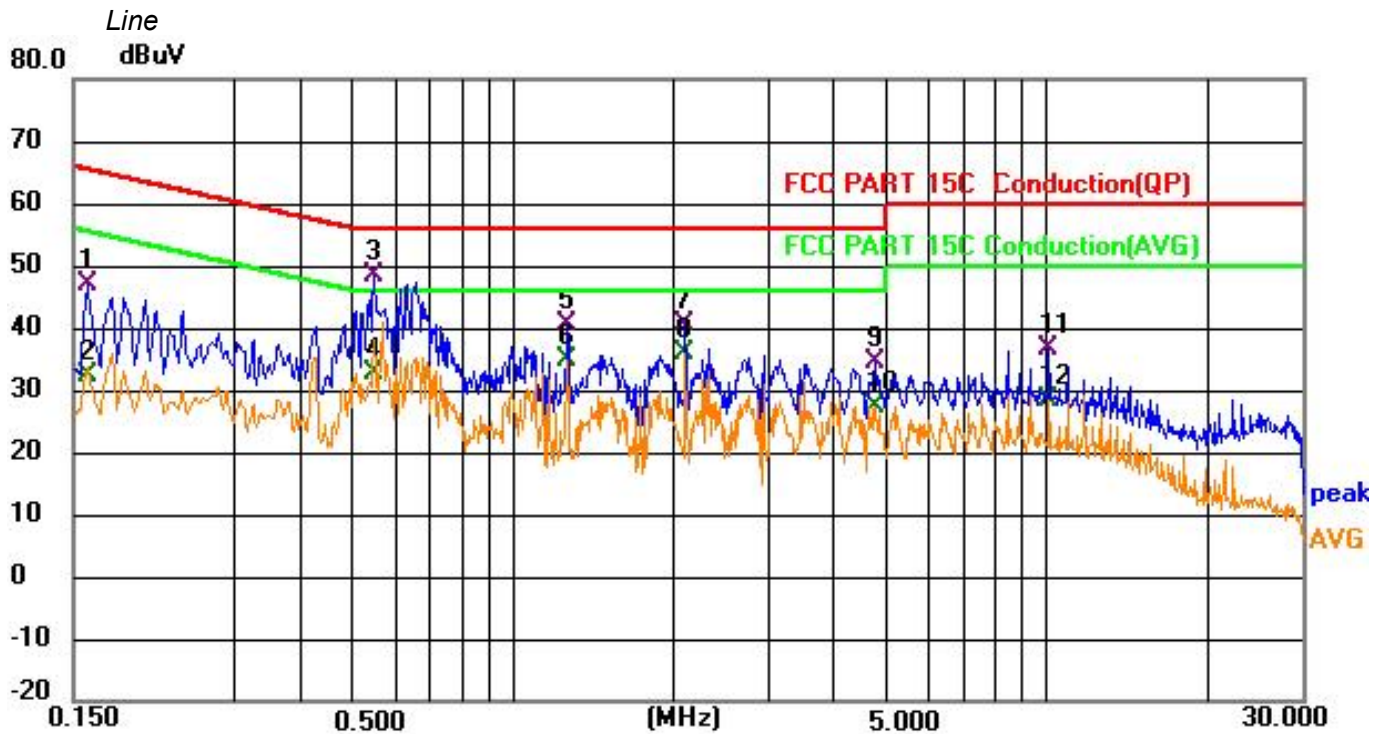
Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

5.6.4 Test Results

Temperature	22.5°C	Humidity	53.7%
Test Engineer	Jone Lee	Configurations	1/4πDQPSK

PASS.

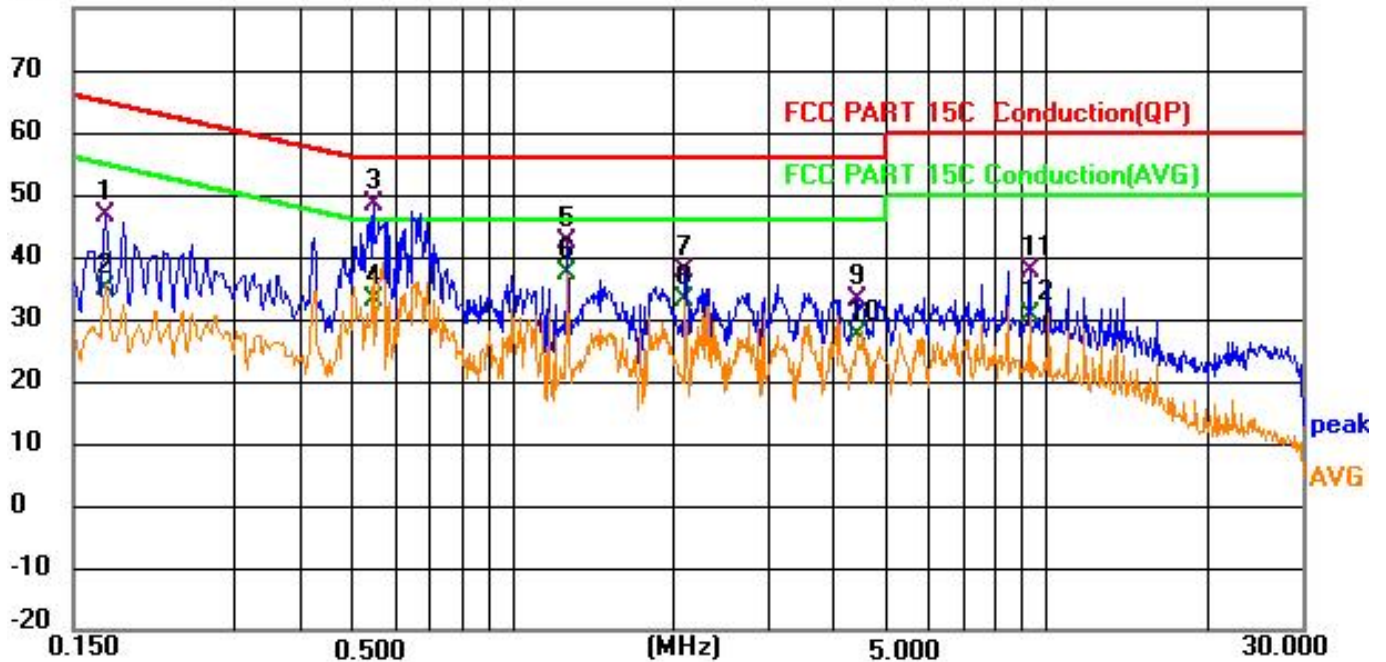
The test data please refer to following page.



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.159	27.03	19.84	46.87	65.52	-18.65	QP	
2		0.159	12.54	19.84	32.38	55.52	-23.14	AVG	
3	*	0.546	28.67	19.70	48.37	56.00	-7.63	QP	
4		0.546	13.15	19.70	32.85	46.00	-13.15	AVG	
5		1.266	21.60	19.10	40.70	56.00	-15.30	QP	
6		1.266	15.84	19.10	34.94	46.00	-11.06	AVG	
7		2.107	21.62	18.98	40.60	56.00	-15.40	QP	
8		2.107	16.79	18.98	35.77	46.00	-10.23	AVG	
9		4.780	15.36	18.99	34.35	56.00	-21.65	QP	
10		4.780	8.16	18.99	27.15	46.00	-18.85	AVG	
11		10.113	17.03	19.44	36.47	60.00	-23.53	QP	
12		10.113	8.88	19.44	28.32	50.00	-21.68	AVG	

Neutral

80.0 dBuV



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.172	27.06	19.67	46.73	64.86	-18.13	QP	
2		0.172	15.18	19.67	34.85	54.86	-20.01	AVG	
3	*	0.546	29.02	19.41	48.43	56.00	-7.57	QP	
4		0.546	13.75	19.41	33.16	46.00	-12.84	AVG	
5		1.266	23.37	18.89	42.26	56.00	-13.74	QP	
6		1.266	18.51	18.89	37.40	46.00	-8.60	AVG	
7		2.107	18.38	19.14	37.52	56.00	-18.48	QP	
8		2.107	13.98	19.14	33.12	46.00	-12.88	AVG	
9		4.412	14.23	18.92	33.15	56.00	-22.85	QP	
10		4.412	8.44	18.92	27.36	46.00	-18.64	AVG	
11		9.271	17.96	19.68	37.64	60.00	-22.36	QP	
12		9.271	10.98	19.68	30.66	50.00	-19.34	AVG	

***Note: 1).Pre-scan all modes and recorded the worst case results in this report (2 Mbps-Middle Channel)
 2). Measurement = Reading + Correct Factor, Margin = Measurement – Limit,
 Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter.

5.7. Antenna Requirements

5.7.1 Standard Applicable

According to antenna requirement of §15.203.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

5.7.2. Standard Applicable

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

5.7.3. Antenna Connector Construction

The gains of antenna used for transmitting is -0.4dBi(Max.), and the antenna is monopole antenna and no consideration of replacement. Please see EUT photo for details.

5.7.4. Test Results

Compliance.

6. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Equipment No.	Cal Date	Due Date
1	Power Meter	Keysight	E4417A	GLCS-E-279	2025-04-10	2026-04-09
2	Power Sensor	Keysight	E9304A	GLCS-E-280	2025-04-10	2026-04-09
3	Power Sensor	Keysight	E9304A	GLCS-E-281	2025-04-10	2026-04-09
4	Spread Ppectrum Unit	Tonscend	TS-WF7U2	N/A	N/A	N/A
5	Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
6	RF Control Unit	Tonscend	JS0806-2	GLCS-E-365	2025-09-01	2026-08-31
7	MXA Signal Analyzer	Keysight	N9020A	GLCS-E-356	2025-08-18	2026-08-17
8	DC Power Supply	Keysight	E3642A	GLCS-E-357	2025-08-18	2026-08-17
9	Signal Analyzer	Keysight	N5172B	GLCS-E-353	2025-08-18	2026-08-17
10	Signal Analyzer	Keysight	N5181A	GLCS-E-354	2025-08-18	2026-08-17
11	WIDEBAND RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMW500	GLCS-E-355	2025-08-18	2026-08-17
12	EMI Test Software	Farad	EZ-EMC(Ver.FA-03A2 RE+)	GLCS-E-012	N/A	N/A
13	Semi Anechoic Chamber#1	Maorui	966	GLCS-E-001	2024-04-21	2027-04-20
14	Positioning Controller	Max-Full	MF-7802	GLCS-E-015	N/A	N/A
15	Active Loop Antenna	TESEQ	HLA 6121	GLCS-E-155	2025-07-27	2026-07-26
16	By-log Antenna	SCHWARZBECK	VULB9163	GLCS-E-352	2025-08-16	2028-08-15
17	Horn Antenna	SCHWARZBECK	BBHA 9120D	GLCS-E-060	2025-07-19	2026-07-18
18	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	GLCS-E-348	2025-08-18	2028-08-17
19	Broadband Preamplifier	SCHWARZBECK	BBV9719	GLCS-E-347	2025-08-18	2028-08-17
20	EMI Test Receiver	R&S	ESR 7	GLCS-E-192	2025-04-10	2026-04-09
21	RS SPECTRUM ANALYZER	R&S	FSP40	GLCS-E-349	2025-08-16	2026-08-15
22	Low-frequency amplifier	Sonoma	310N	GLCS-E-036	2025-04-10	2026-04-09
23	High-frequency amplifier	SKET	LNPA_30M06G-40	GLCS-E-286	2025-04-11	2026-04-10
24	6dB Attenuator	/	100W/6dB	GLCS-E-350	2025-08-13	2026-08-12
25	3dB Attenuator	/	2N-3dB	GLCS-E-351	2025-08-13	2026-08-12
26	EMI Test Receiver	ROHDE & SCHWARZ	ESR7	GLCS-E-158	2025-04-10	2026-04-09
27	Artificial Mains Network	ROHDE & SCHWARZ	ESH2-Z5	GLCS-E-011	2025-04-10	2026-04-09
28	EMI Test Software	Farad	EZ-EMC(Ver.FA-03A2 RE+)	GLCS-E-017	N/A	N/A
29	Antenna Mast	Maorui	BK-4AT-BS	GLCS-E-249	N/A	N/A
30	Pulse Limiter	SCHWARZBECK	VTSD 9561-F	GLCS-E-052	N/A	N/A

7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

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