

FCC Test Report

Report No. : 1812C50587012503

Applicant : Aputure Imaging Industries Co., Ltd

Address : 3rd Floor, Building 21, Longjun industrial
estate, Longhua, Bao'an, Shenzhen,
P.R.China

Product Name : Deity Bodypack DIFB TX

Report Date : 2025-12-19

Shenzhen Anbotek Compliance Laboratory Limited



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TEST REPORT

Applicant : Aputure Imaging Industries Co., Ltd
Manufacturer : Aputure Imaging Industries Co., Ltd
Product Name : Deity Bodypack DIFB TX
Model No. : DIFB TX
Trade Mark : DEITY
Rating(s) : Input: 5V=1A (with DC 1.5V*2 by AA battery)

Test Standard(s) : 47 CFR Part 15.236

Test Method(s) : ANSI C63.10: 2020

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the 47 CFR Part 15.236 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt 2025-11-06

Date of Test 2025-11-06 to 2025-12-19

Prepared By



(Lene Chen)

Approved & Authorized Signer



(Hugo Chen)

Revision History

Report Version	Description	Issued Date
R00	Original Issue.	2025-12-19

1. General Information

1.1. Client Information

Applicant	:	Aputure Imaging Industries Co., Ltd
Address	:	3rd Floor, Building 21, Longjun industrial estate, Longhua, Bao'an, Shenzhen, P.R.China
Manufacturer	:	Aputure Imaging Industries Co., Ltd
Address	:	3rd Floor, Building 21, Longjun industrial estate, Longhua, Bao'an, Shenzhen, P.R.China
Factory1	:	Aputure Imaging Industries Co., Ltd.
Address	:	Plants 1, 2, and 3, Huadeng Science and Technology Park, Yuanzhou Town, Boluo County, Huizhou City, Guangdong Province, China
Factory2	:	TONGWEI ELECTRONICS (VIETNAM) COMPANY LIMITED
Address	:	Block C-04 and part C-05 of Lot CN 12, An Duong Industrial Zone, Hong Phong Commune, An Duong District, Hai Phong City 180000 Vietnam

1.2. Description of Device (EUT)

Product Name	:	Deity Bodypack DIFB TX
Model No.	:	DIFB TX
Trade Mark	:	DEITY
Test Power Supply	:	DC 5V from adapter input AC 120V/60Hz; DC 3V by Battery
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A

RF Specification

Operation Frequency	:	550MHz to 607.9MHz
Number of Channel	:	580
Modulation Type	:	GFSK
Antenna Type	:	Whip Antenna
Antenna Gain(Peak)	:	-0.42dBi

Remark: 1) All of the RF specification are provided by customer. 2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
Xiaomi 33W adapter	Xiaomi	MDY-11-EX	SA62212LA04358J

1.4. Description of Test Configuration

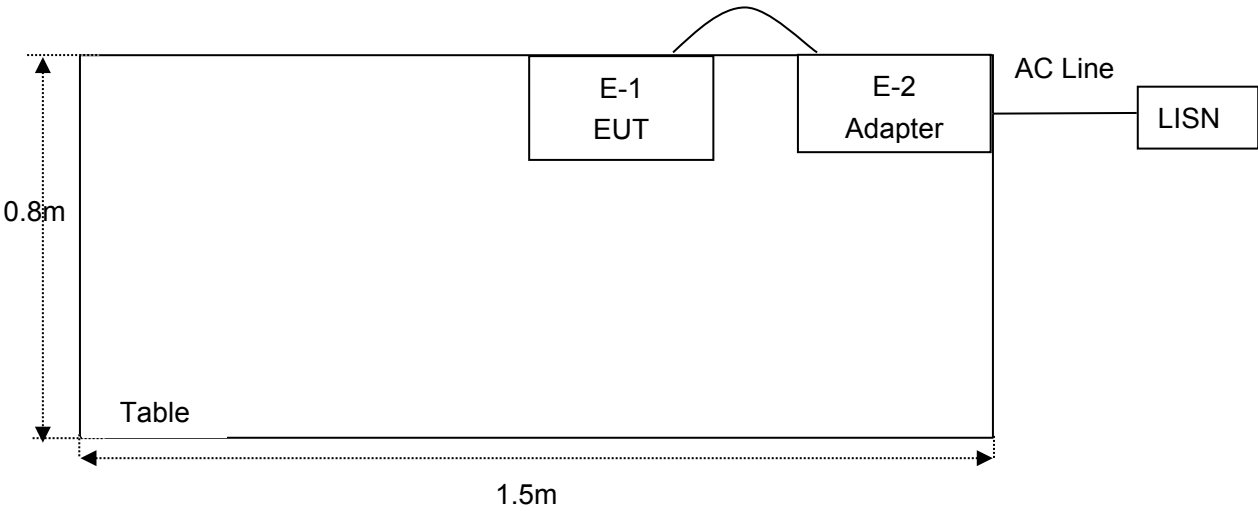
Channel	Test Frequency (MHz)
Low channel	550
Middle channel	579
High channel	607.9

Note:

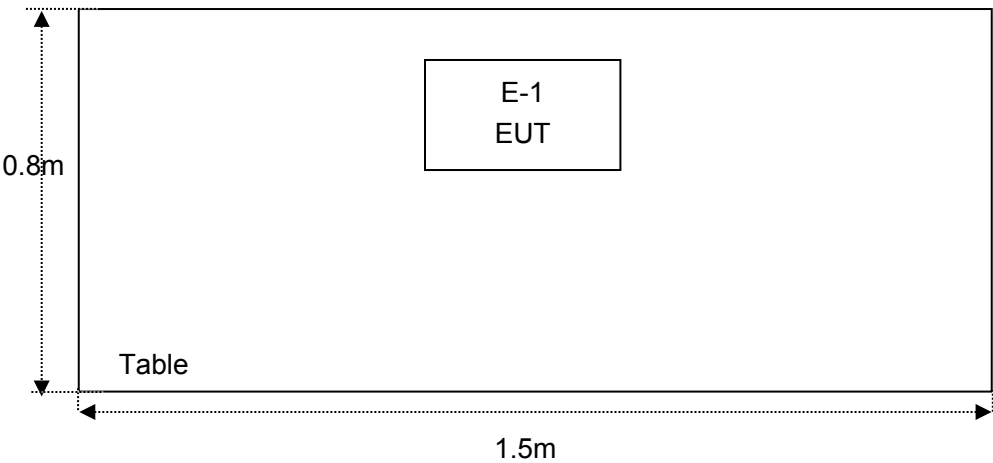
1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.
2. The EUT Operation Frequency is 550MHz to 607.9MHz, channel spacing is 100kHz.

1.5. Description Of Test Setup

CE



RE



1.6. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	2025-09-05	1 Year
2.	Three Phase V-type Artificial Power Network	CYBERTEK	EM5040DT	2025-01-13	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESCI	2025-01-13	1 Year
4.	EMI Test Receiver	Rohde & Schwarz	ESR26	2025-01-14	1 Year
5.	MXA Spectrum Analysis	Agilent	N9020A	2025-09-05	1 Year
6.	EMI Preamplifier	SKET Electronic	LNPA-0118G-45	2025-01-13	1 Year
7.	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	2025-09-05	3 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	2025-09-05	3 Year
9.	Loop Antenna(9K-30M)	Schwarzbeck	FMZB1519B	2025-09-05	1 Year
10.	Horn Antenna	A-INFO	LB-180400-KF	2024-01-22	3 Year
11.	Pre-amplifier	SONOMA	310N	2025-01-14	1 Year
12.	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	N/A
13.	MXA Spectrum Analysis	KEYSIGHT	N9020A	2025-09-05	1 Year
14.	MXG RF Vector Signal Generator	Agilent	N5182A	2025-01-14	1 Year
15.	Signal Generator	Agilent	E4421B	2025-02-21	1 Year
16.	DC Power Supply	IVYTECH	IV3605	2025-09-05	1 Year
17.	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-KHWS80B	2025-10-10	1 Year
18.	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	2025-04-25	1 Year

1.7. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.2dB
Occupied Bandwidth	925Hz
Conducted Output Power	0.76dB
Frequency tolerance	74.60Hz
Conducted Spurious Emission	1.24dB
Radiated spurious emissions (Below 30MHz)	3.26dB
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.70dB; Vertical: 4.42dB
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.64dB 6G-18GHz: 4.82dB 18G-40GHz: 5.62dB
The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

1.8. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 279531

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 279531.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

1.9. Disclaimer

1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
2. The test report is invalid if there is any evidence and/or falsification.
3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.
7. The data in this report will be synchronized with the corresponding national market supervision and management departments and cross-border e-commerce platforms as required by regulatory agencies.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2. Summary of Test Results

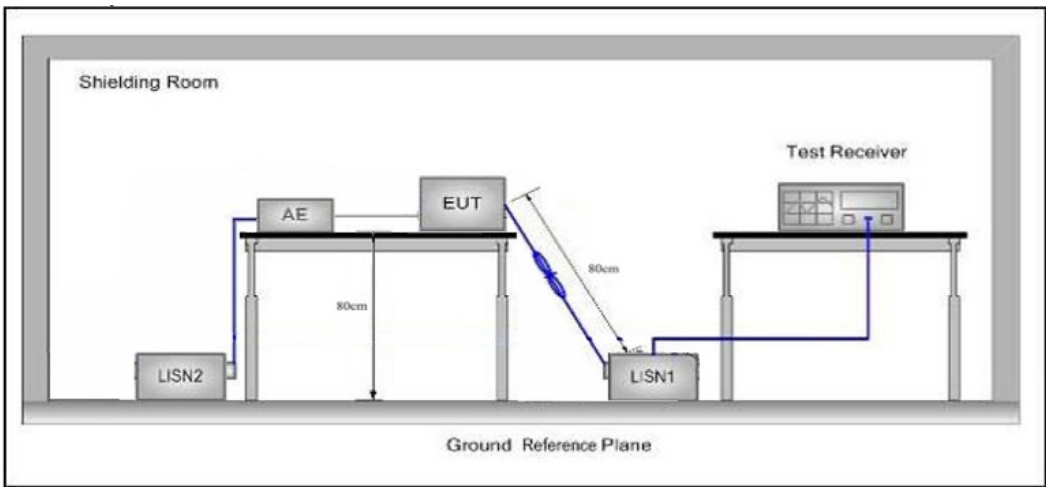
Standard Section	Test Item	Result
15.207	Conducted Emission	PASS
15.236(d)	RF Output Power	PASS
15.236(f)(3)	Frequency Stability	PASS
15.236(f)(g)	Operating Bandwidth & Emission Mask	PASS
15.236(g)	Radiated Spurious Emissions	PASS
Part 15.203	Antenna requirement	PASS
Remark: "N/A" is an abbreviation for Not Applicable.		

3. Conducted Emission Test

3.1. Test Standard and Limit

Test Standard	FCC Part15 Section 15.207		
Test Limit	Frequency	Maximum RF Line Voltage (dBuV)	
		Quasi-peak Level	Average Level
	150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
	500kHz~5MHz	56	46
	5MHz~30MHz	60	50
Remark: (1) *Decreasing linearly with logarithm of the frequency. (2) The lower limit shall apply at the transition frequency.			

3.2. Test Setup



3.3. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10: 2020 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

3.4. Test Data

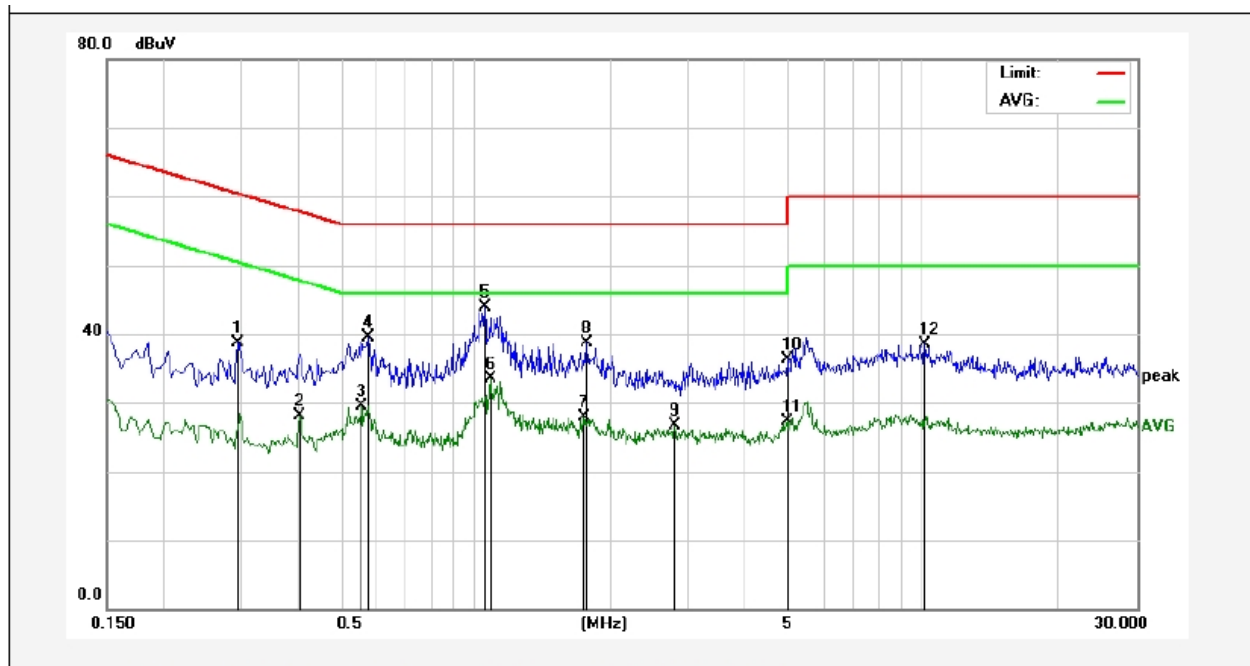
PASS

During the test, pre-scan all modes, only the worst case is recorded in the report.

Please to see the following pages.

Conducted Emission Test Data

Test Site: 1# Shielded Room
Operating Condition: 607.9MHz
Test Specification: DC 5V from adapter input AC 120V/60Hz
Comment: Live Line
Temp.(°C)/Hum.(%RH): 23.1°C/52%RH

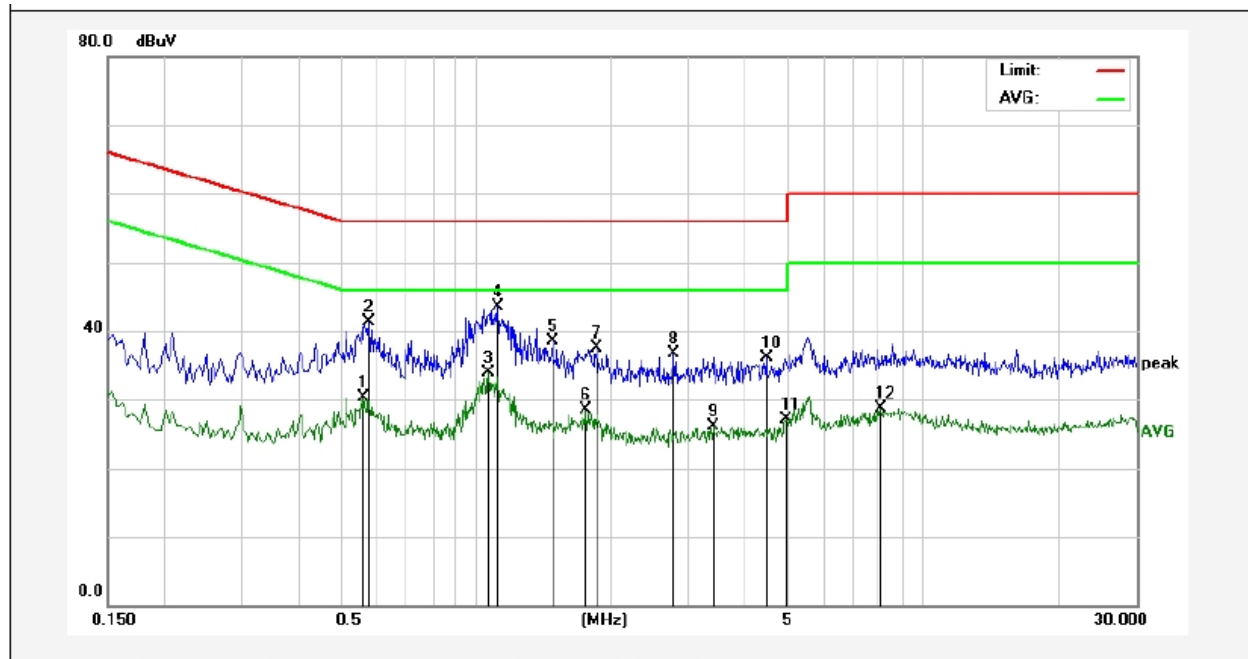


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.2939	10.84	27.85	38.69	60.41	-21.72	QP	
2	0.4060	0.27	27.82	28.09	47.73	-19.64	AVG	
3	0.5580	1.58	27.87	29.45	46.00	-16.55	AVG	
4	0.5779	11.56	27.87	39.43	56.00	-16.57	QP	
5	1.0540	16.12	27.87	43.99	56.00	-12.01	QP	
6	1.0780	5.62	27.87	33.49	46.00	-12.51	AVG	
7	1.7500	0.02	27.87	27.89	46.00	-18.11	AVG	
8	1.7780	10.93	27.87	38.80	56.00	-17.20	QP	
9	2.7860	-1.17	27.86	26.69	46.00	-19.31	AVG	
10	4.9659	8.35	27.87	36.22	56.00	-19.78	QP	
11	4.9659	-0.50	27.87	27.37	46.00	-18.63	AVG	
12	10.0778	10.54	27.98	38.52	60.00	-21.48	QP	

Note: Result = Reading + Factor Over Limit = Result - Limit

Conducted Emission Test Data

Test Site: 1# Shielded Room
Operating Condition: 607.9MHz
Test Specification: DC 5V from adapter input AC 120V/60Hz
Comment: Neutral Line
Temp.(°C)/Hum.(%RH): 23.1°C/52%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.5620	2.50	27.87	30.37	46.00	-15.63	AVG	
2	0.5778	13.41	27.87	41.28	56.00	-14.72	QP	
3	1.0700	6.00	27.87	33.87	46.00	-12.13	AVG	
4	1.1220	15.73	27.87	43.60	56.00	-12.40	QP	
5	1.4858	10.68	27.87	38.55	56.00	-17.45	QP	
6	1.7660	0.54	27.87	28.41	46.00	-17.59	AVG	
7	1.8620	9.55	27.86	37.41	56.00	-18.59	QP	
8	2.7659	8.81	27.86	36.67	56.00	-19.33	QP	
9	3.3820	-1.72	27.86	26.14	46.00	-19.86	AVG	
10	4.4618	8.30	27.86	36.16	56.00	-19.84	QP	
11	4.9259	-0.71	27.87	27.16	46.00	-18.84	AVG	
12	8.0497	0.73	27.94	28.67	50.00	-21.33	AVG	

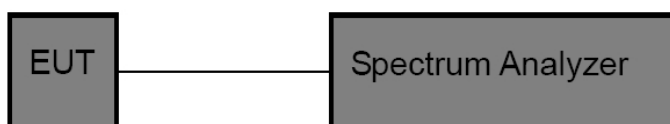
Note: Result = Reading + Factor Over Limit = Result - Limit

4. RF Output Power Test

4.1. Test Standard and Limit

Test Standard	FCC Part15 Subpart C, §15.236(d)
Test Limit	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. (ii) Wireless multichannel audio systems with a bandwidth up to 1 MHz: 50 mW EIRP. (iii) Wireless multichannel audio systems with a bandwidth greater than 1 MHz: 100 mW EIRP. (2) In the 600 MHz guard band and the 600 MHz duplex gap: 20 mW(13dBm) EIRP.

4.2. Test Setup



4.3. Test Procedure

1. The EUT was connected to a spectrum analyzer for the output power test.
2. The output power was set to 50 mW.
3. The output power was measured at the low, middle, and high frequencies of the passband.
4. The cable loss from the EUT output to the spectrum analyzer input were input to the spectrum analyzer as correction factor before recording the output power.
5. RBW = 120 kHz, VBW = 3 x RBW, Detector = Peak

4.4. Test Data

Temperature:	23.7 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
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Channel	Peak Power output (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Results
Low	12.116	11.696	17	PASS
Middle	12.662	12.242	17	PASS
High	12.364	11.944	17	PASS

Note: EIRP=Peak Power+ Antenna gain (dBi)

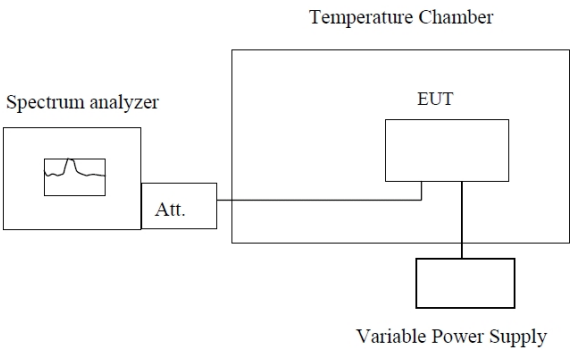


5. Frequency Stability Test

5.1. Test Standard and Limit

Test Standard	FCC Part15 Subpart C, 15.236(f)(3)
Test Limit	The frequency tolerance of the transmitter shall be ± 0.005 percent.

5.2. Test Setup



Note : Measurement setup for testing on Antenna connector

5.3. Test Procedure

1. The EUT was placed in an environmental test chamber and the RF output was connected to a spectrum analyzer.
2. The temperature was varied from -20°C to 50°C in 10°C increments. After a sufficient time for temperature stabilization the RF output frequency was measured.
3. At 20°C the power supply voltage to the EUT was varied from 85% to 115% of the nominal value and the RF output was measured.

5.4. Test Data

Temperature:	23.7 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
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Low channel: 550MHz				
Temperature (°C)	Power Supplied (VDC)	Measured frequency (MHz)	Error (ppm)	Limit (ppm)
-20	3.0	550.007375	13.41	±50
-10		550.006825	12.41	±50
0		550.006475	11.77	±50
10		550.007400	13.45	±50
20		550.007025	12.77	±50
30		550.005875	10.68	±50
40		550.005725	10.41	±50
50		550.006200	11.27	±50
20	2.55	550.005850	10.64	±50
20	3.45	550.004625	8.41	±50

Mid channel: 579MHz				
Temperature (°C)	Power Supplied (VDC)	Measured frequency (MHz)	Error (ppm)	Limit (ppm)
-20	3.0	579.007375	12.74	±50
-10		579.006825	11.79	±50
0		579.006475	11.18	±50
10		579.007400	12.78	±50
20		579.007025	12.13	±50
30		579.005875	10.15	±50
40		579.005725	9.89	±50
50		579.006200	10.71	±50
20	2.55	579.005850	10.10	±50
20	3.45	579.004625	7.99	±50

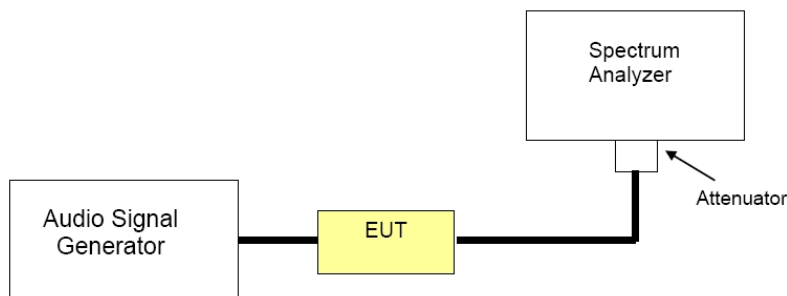
High channel: 607.9MHz				
Temperature (°C)	Power Supplied (VDC)	Measured frequency (MHz)	Error (ppm)	Limit (ppm)
-20	3.0	607.907375	12.13	±50
-10		607.906825	11.23	±50
0		607.906475	10.65	±50
10		607.907400	12.17	±50
20		607.907025	11.56	±50
30		607.905875	9.66	±50
40		607.905725	9.42	±50
50		607.906200	10.20	±50
20	2.55	607.905850	9.62	±50
20	3.45	607.904625	7.61	±50

6. Operating Bandwidth & Emission Mask Test

6.1. Test Standard and Limit

Test Standard	FCC Part15 Subpart C, §15.236 (f)(g)
Test Limit	The operating bandwidth shall not exceed 200 kHz. Digital systems. 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)

6.2. Test Setup



6.3. Test Procedure

The OBW is according to ANSI C63.10: 2020

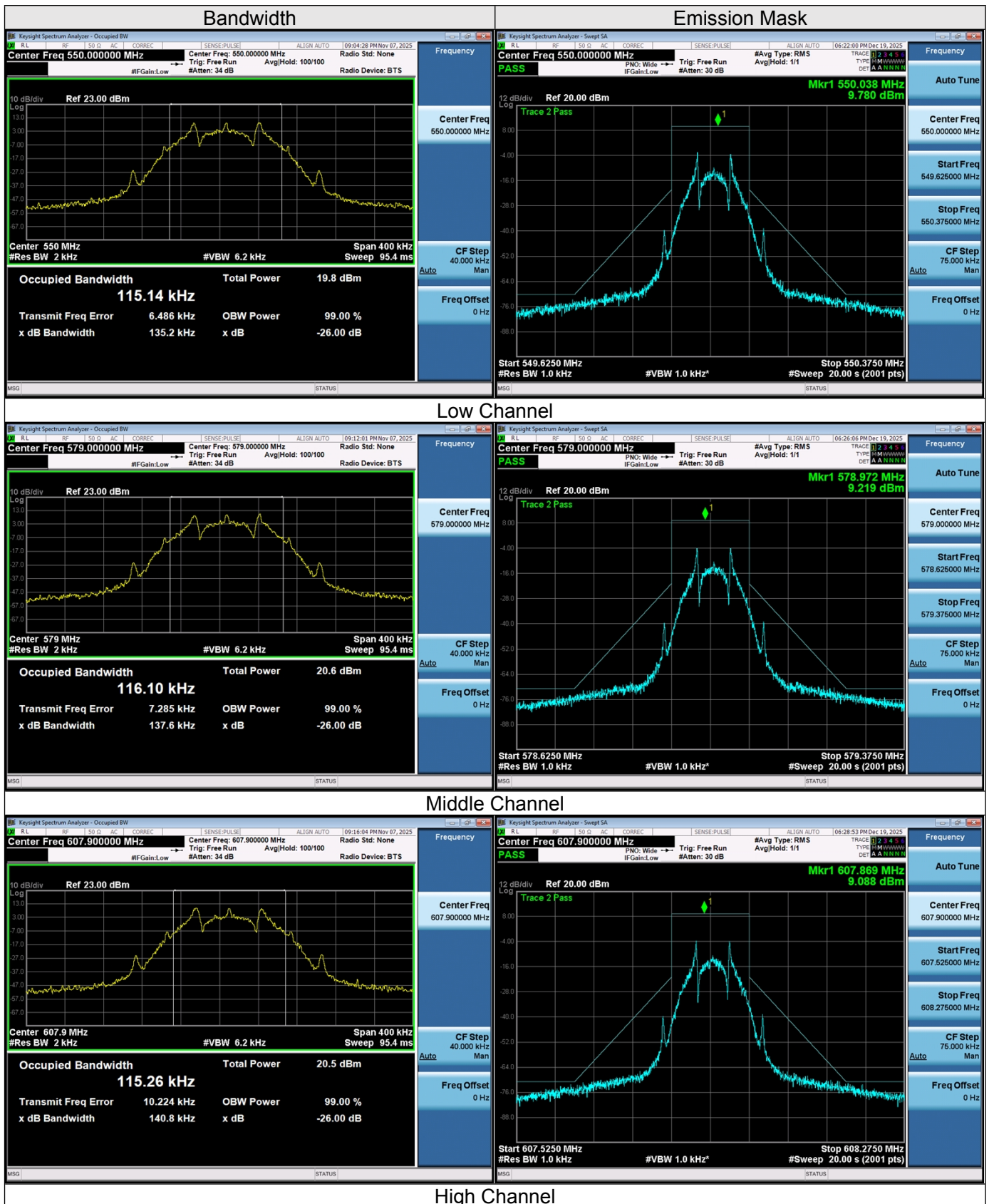
The Emission Mask is according to section 4.2.4.2 of ETSI EN 300 422-1 V2.2.1 (2021-11).

6.4. Test Data

Temperature:	23.7 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
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Test Channel	Bandwidth (KHz)	Limit (KHz)	Test Result
Low Channel	115.14	200	Pass
Mid Channel	116.10	200	Pass
High Channel	115.26	200	Pass

Note: This is a Digital Product.



7. Radiation Spurious Emission Test

7.1. Test Standard and Limit

Test Standard	FCC Part15 Subpart C, §15.236(g)
Test Limit	The operating bandwidth shall not exceed 200 kHz. Emissions within the band from one megahertz below to one megahertz above the carrier frequency shall comply with the emission mask in § 4.2.4.1 of ETSI EN 300 422-1 V2.2.1 (2021-11), Electromagnetic compatibility and Radio spectrum Matters (ERM); Wireless microphones in the 25 MHz to 3 GHz frequency range; Part 1: Technical characteristics and methods of measurement. Emissions outside of this band shall comply with the limits specified in section 8.4 of ETSI EN 300 422-1 V2.2.1 (2021-11).

7.2. Test Setup

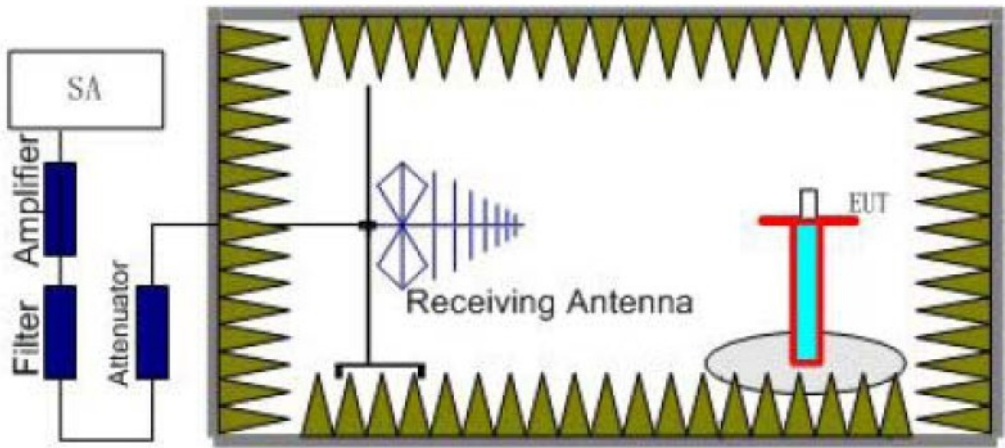


Figure 1

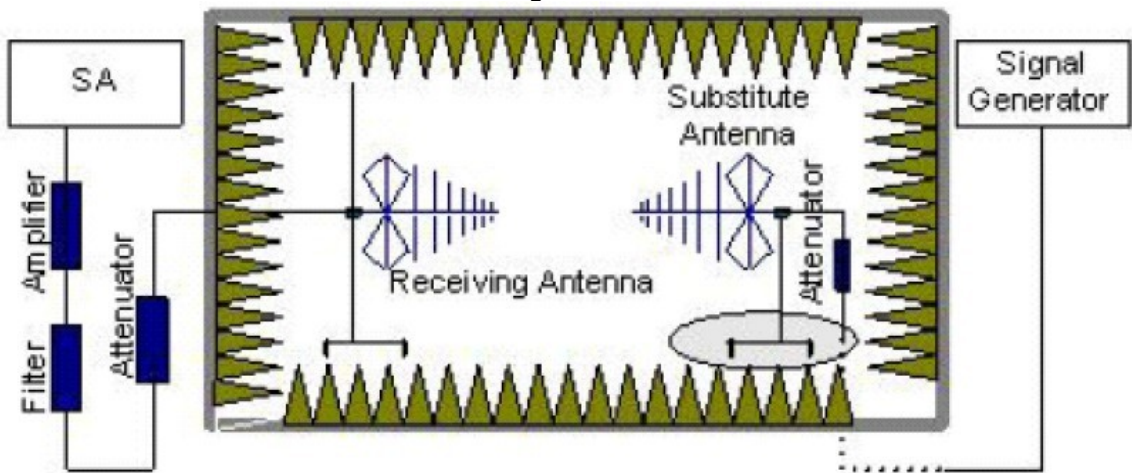


Figure 2

7.3. Test Procedure

1. EUT was placed on a 0.8 meter for below 1GHz and 1.5 meter for above 1GHz high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.0m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz for above 1GHz and RBW=100kHz, VBW=300kHz for 30MHz to 1GHz, And the maximum value of the receiver should be recorded as (Pr).
4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl), the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAG) should be recorded after test.
6. The measurement results are obtained as described below:
7. $\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$
8. We used SMF100A microwave signal generator which signal level can up to 33dBm, so we not used power Amplifier for substitution test; The measurement results are amend as described below:
9. $\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$
10. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
11. ERP can be calculated from EIRP by subtracting the gain of the dipole, $\text{ERP} = \text{EIRP} - 2.15\text{dBi}$.

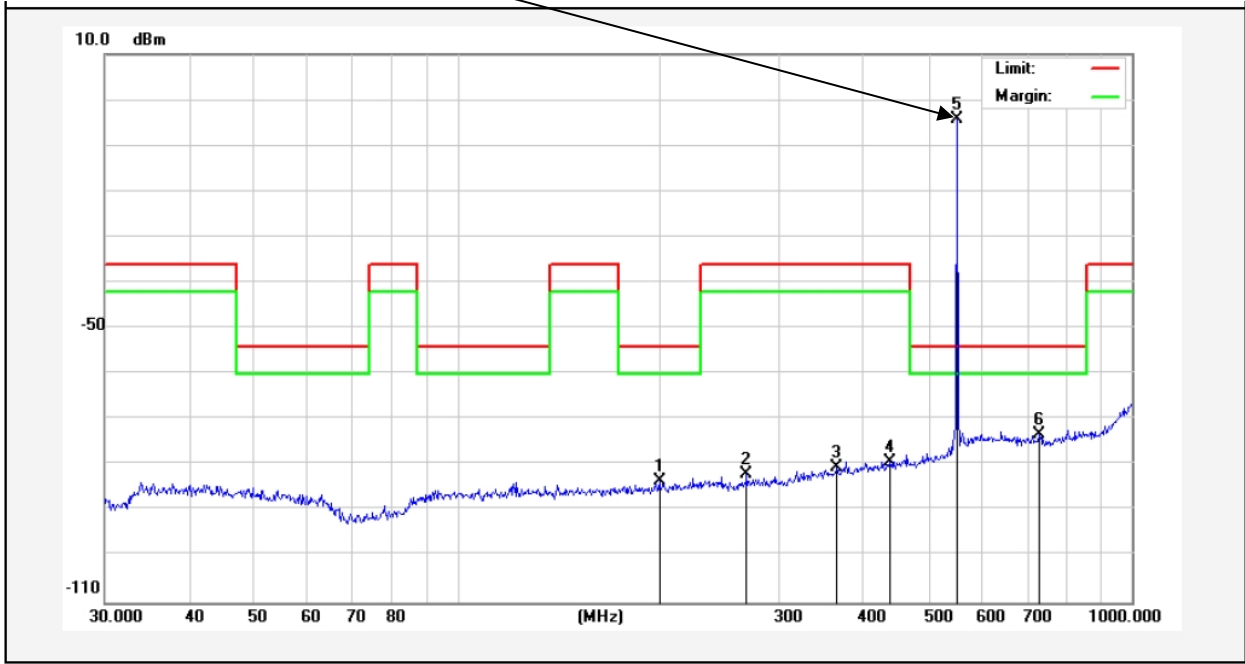
7.4. Test Data

PASS

The test data are shown in the following pages.

Test Results(30MHz~1000MHz):

Test Site: 2# Shielded Room
Operating Condition: 550MHz
Test Specification: DC 3V by Battery
Polarization Vertical
Temp.(°C)/Hum.(%RH): 23.2°C/51%RH
Fundamental signal

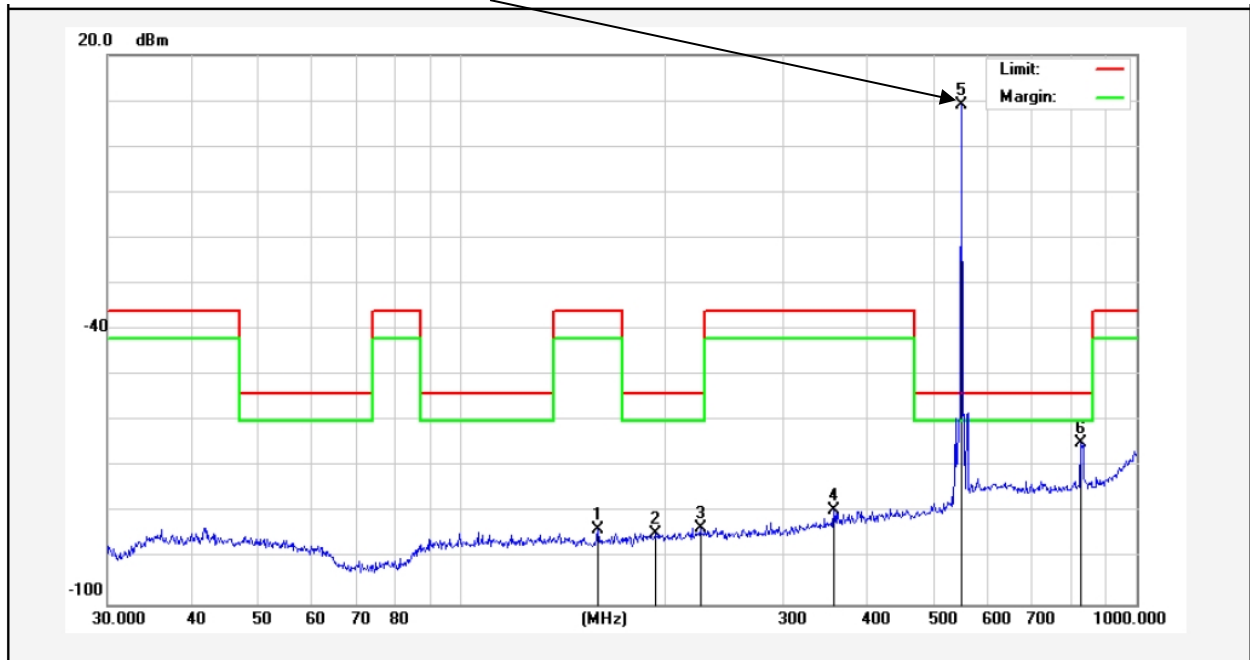


No.	Freq. (MHz)	Reading (dBm)	Factor (dB)	Result (dBm)	Limit (dBm)	Over Limit (dB)	Detector	Remark
1	199.2855	-74.88	-8.59	-83.47	-54.00	-29.47	peak	
2	268.4853	-74.51	-7.43	-81.94	-36.00	-45.94	peak	
3	365.5391	-75.88	-4.60	-80.48	-36.00	-44.48	peak	
4	437.1199	-75.73	-3.55	-79.28	-36.00	-43.28	peak	
5	550.9480	-2.15	-2.06	-4.21			peak	
6	729.3583	-73.91	0.69	-73.22	-54.00	-19.22	peak	

Note: Result = Reading + Factor Over Limit = Result - Limit

Test Results(30MHz~1000MHz):

Test Site: 2# Shielded Room
Operating Condition: 550MHz
Test Specification: DC 3V by Battery
Polarization: Horizontal
Temp.(°C)/Hum.(%RH): 23.2°C/51%RH
Fundamental signal



No.	Freq. (MHz)	Reading (dBm)	Factor (dB)	Result (dBm)	Limit (dBm)	Over Limit (dB)	Detector	Remark
1	159.2251	-72.05	-11.69	-83.74	-36.00	-47.74	peak	
2	193.7728	-75.44	-9.09	-84.53	-54.00	-30.53	peak	
3	226.0994	-75.07	-8.14	-83.21	-54.00	-29.21	peak	
4	356.6758	-73.95	-5.56	-79.51	-36.00	-43.51	peak	
5	550.9480	9.68	-0.69	8.99			peak	
6	827.4934	-66.49	1.66	-64.83	-54.00	-10.83	peak	

Note: Result = Reading + Factor Over Limit = Result - Limit

Note: All modes have been tested, and only worst data of Low channel mode was listed in this report.

Test Results(Above 1GHz):

Test Channel: Low Channel				
Frequency MHz	Measurement (dBm)	Limit (dBm)	Margin (dB)	Antenna Polar (H/V)
1100.00	-31.96	-30.00	-1.96	H
1650.00	-44.75	-30.00	-14.75	H
2200.00	-50.22	-30.00	-20.22	H
1100.00	-36.93	-30.00	-6.93	V
1650.00	-51.71	-30.00	-21.71	V
2200.00	-51.50	-30.00	-21.50	V
Test Channel: Middle Channel				
Frequency MHz	Measurement (dBm)	Limit (dBm)	Margin (dB)	Antenna Polar (H/V)
1158.00	-31.67	-30.00	-1.67	H
1737.00	-44.73	-30.00	-14.73	H
2316.00	-53.41	-30.00	-23.41	H
1158.00	-37.33	-30.00	-7.33	V
1737.00	-49.89	-30.00	-19.89	V
2316.00	-48.12	-30.00	-18.12	V
Test Channel: High Channel				
Frequency MHz	Measurement (dBm)	Limit (dBm)	Margin (dB)	Antenna Polar (H/V)
1215.80	-30.23	-30.00	-0.23	H
1823.70	-44.99	-30.00	-14.99	H
2431.60	-51.53	-30.00	-21.53	H
1215.80	-34.33	-30.00	-4.33	V
1823.70	-48.69	-30.00	-18.69	V
2431.60	-53.04	-30.00	-23.04	V

Remark: Margin = Measurement - Limit

8. Antenna requirement

Test Requirement:	Refer to 47 CFR Part 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.
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8.1. Conclusion

The antenna type is Whip Antenna, and the antenna connector is unique, and the best case gain of the antenna is -0.42dBi. It complies with the standard requirement.

APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_RF

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report -----