

FCC Test Report

Report No. : 1812C60443312506

Applicant : SHENZHEN ELECTRON TECHNOLOGY
CO.,LTD.

Address : Bld.2, Yingfeng Industrial Zone, Tantou
Community, Songgang Street, Bao'an,
Shenzhen, China.

Product Name : Android Tablet

Report Date : 2026-09-08

Shenzhen Anbotek Compliance Laboratory Limited



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TEST REPORT

Applicant : SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Manufacturer : SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Product Name : Android Tablet
Model No. : SWA156T, SWA140T
Trade Mark : N/A
Rating(s) : DC Input: 12V=3A
POE Input: 48V=1A

Test Standard(s) : 47 CFR Part 15 Subpart C
Test Method(s) : ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024

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 Subpart C 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 2026-08-03

Date of Test 2026-08-03 to 2026-09-02

Prepared By



(Lene Chen)

Approved & Authorized Signer



(Jules Guo)

Revision History

Report Version	Description	Issued Date
R00	Original Issue.	2026-09-08

1. General Information

1.1. Client Information

Applicant	:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Address	:	Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China.
Manufacturer	:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Address	:	Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China.
Factory	:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Address	:	Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China.

1.2. Description of Device (EUT)

Product Name	:	Android Tablet
Model No.	:	SWA156T, SWA140T (Note: All samples are the same except the model number, so we prepare "SWA156T" for test only.)
Trade Mark	:	N/A
Test Power Supply	:	AC 120V/60Hz for adapter; AC 120V/60Hz for POE
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	Manufacturer: HUIZHOU FUJIA APPLIANCE TECH. CO., LTD MODEL: FJ-GN636S1203000N INPUT: 100-240V~50/60Hz 1.5A Max OUTPUT: 12.0V=3.0A 36.0W
RF Specification		
Operation Frequency	:	125kHz
Modulation Type	:	ASK
Antenna Type	:	Inductive loop coil Antenna
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.
Ethernet Switch(POE)	New H3C Technologies Co., Ltd.	H3C S1205V-PWR	219801A1U8P2090000L7

1.4. Description of Test Configuration

The engineering test program was provided and the EUT was programmed to be in transmitting mode.

Channel	Freq.(kHz)
01	125

1.1. Additional Instructions

Power level setup in software: Inductive transmission

Operation Band:

Mode	Channel(kHz)	Power level	Transmitting type
NFC	125	default	data pack TX

1.5. 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	2025-12-30	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESCI	2025-12-30	1 Year
4.	EMI Test Receiver	Rohde & Schwarz	ESR26	2025-12-30	1 Year
5.	MXA Spectrum Analysis	KEYSIGHT	N9020A	2025-12-29	1 Year
6.	EMI Preamplifier	SKET Electronic	LNPA-0118G-45	2025-12-30	1 Year
7.	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	2025-10-27	3 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	2025-10-26	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	2025-12-30	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	2025-12-29	1 Year
15.	Signal Generator	Agilent	E4421B	2025-12-29	1 Year
16.	DC Power Supply	IVYTECH	IV3605	2025-09-05	1 Year
17.	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-HWHS80B	2026-06-08	1 Year
18.	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	2025-12-29	1 Year

1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	2.8dB
Occupied Bandwidth	552Hz
Conducted Spurious Emission	1.24dB
Radiated spurious emissions (Below 30MHz)	3.14dB
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.94dB; Vertical: 4.34dB
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.22dB 6G-18GHz: 4.14dB 18G-40GHz: 5.58dB
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.	

1.7. 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

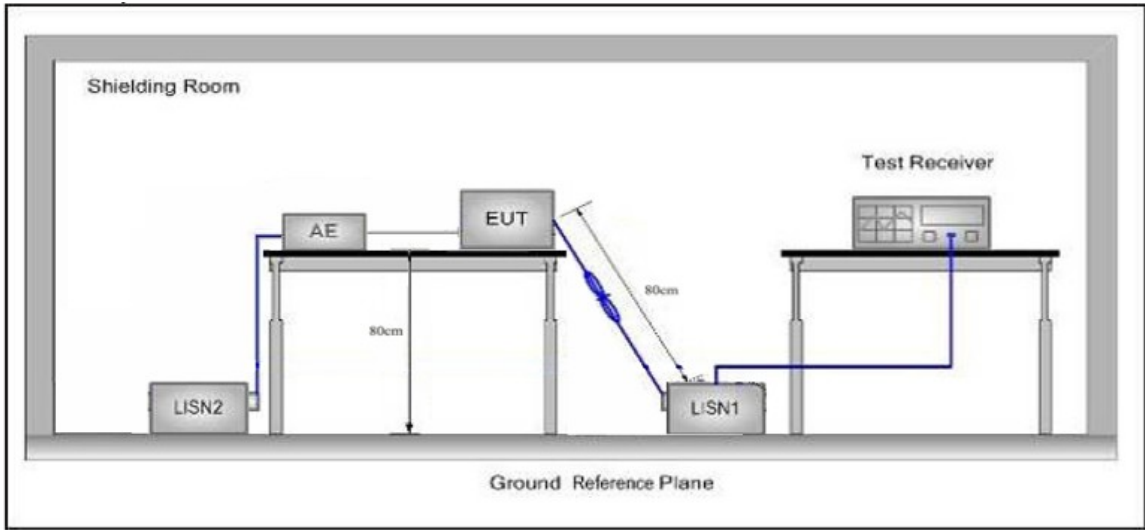
Standard Section	Test Item	Result
15.203	Antenna Requirement	PASS
15.207	Conducted Emission Test	PASS
15.205/15.209	Spurious Emission	PASS
15.215(c)	20dB Occupied Bandwidth	PASS

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+Cor.1-2023 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

Please to see the following pages.

Conducted Emission Test Data

Test Site:

1# Shielded Room

Operating Condition:

125kHz

Test Specification:

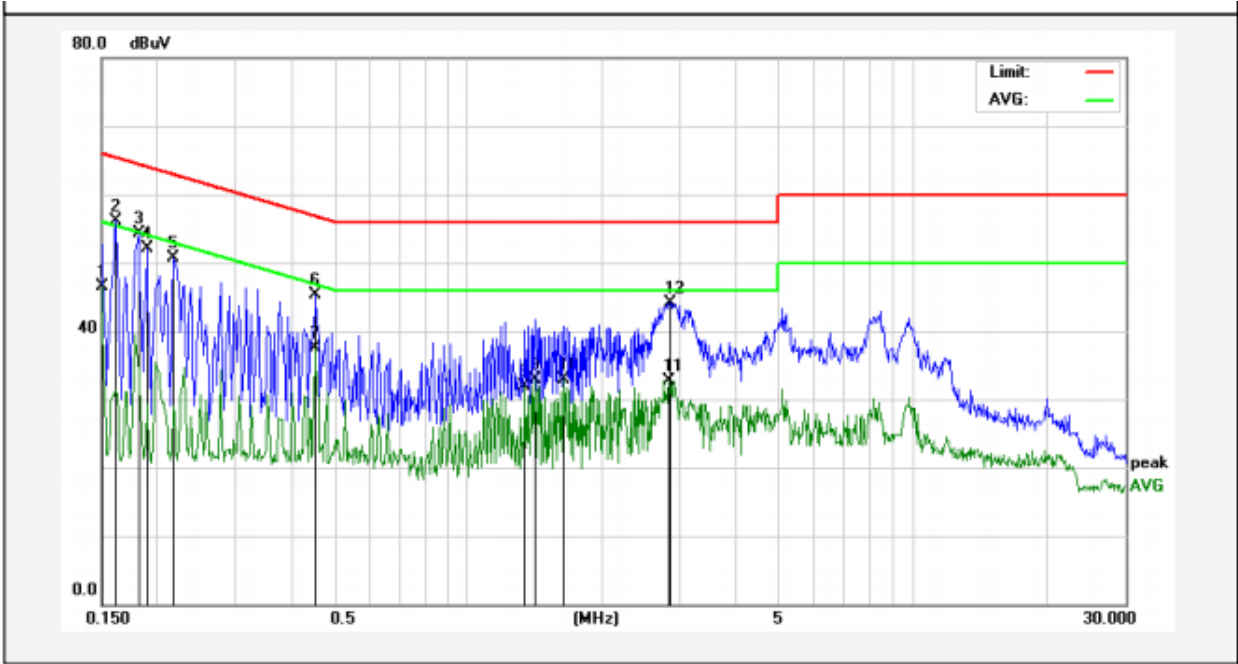
AC 120V, 60Hz for adapter

Comment:

Live Line

Temp.(°C)/Hum.(%RH):

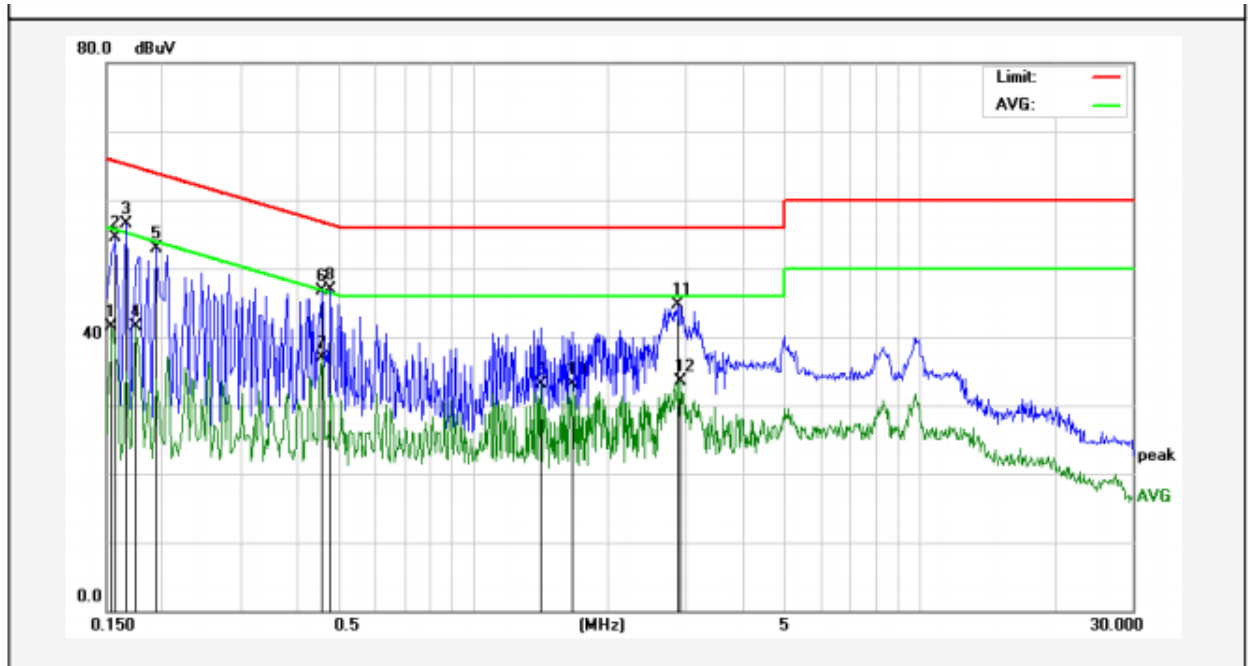
23.8 °C/ 57 %



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.1500	26.68	19.78	46.46	55.99	-9.53	AVG	
2	0.1620	36.42	19.78	56.20	65.36	-9.16	QP	
3	0.1819	34.52	19.78	54.30	64.39	-10.09	QP	
4	0.1900	32.34	19.78	52.12	64.03	-11.91	QP	
5	0.2179	30.97	19.79	50.76	62.89	-12.13	QP	
6	0.4540	25.55	19.80	45.35	56.80	-11.45	QP	
7	0.4540	17.72	19.80	37.52	46.80	-9.28	AVG	
8	1.3380	12.04	19.84	31.88	46.00	-14.12	AVG	
9	1.4137	13.05	19.84	32.89	46.00	-13.11	AVG	
10	1.6417	13.14	19.84	32.98	46.00	-13.02	AVG	
11	2.8260	12.96	19.83	32.79	46.00	-13.21	AVG	
12	2.8540	24.34	19.83	44.17	56.00	-11.83	QP	

Conducted Emission Test Data

Test Site: 1# Shielded Room
Operating Condition: 125kHz
Test Specification: AC 120V, 60Hz for adapter
Comment: Neutral Line
Temp.(°C)/Hum.(%RH): 23.8 °C/ 57 %



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.1539	21.82	19.78	41.60	55.78	-14.18	AVG	
2	0.1580	34.74	19.78	54.52	65.56	-11.04	QP	
3	0.1660	36.74	19.78	56.52	65.15	-8.63	QP	
4	0.1737	21.78	19.78	41.56	54.78	-13.22	AVG	
5	0.1940	33.09	19.78	52.87	63.86	-10.99	QP	
6	0.4580	26.81	19.80	46.61	56.73	-10.12	QP	
7	0.4580	17.11	19.80	36.91	46.73	-9.82	AVG	
8	0.4778	27.04	19.80	46.84	56.38	-9.54	QP	
9	1.4138	13.19	19.84	33.03	46.00	-12.97	AVG	
10	1.6658	13.23	19.84	33.07	46.00	-12.93	AVG	
11	2.8660	24.78	19.83	44.61	56.00	-11.39	QP	
12	2.9020	13.74	19.83	33.57	46.00	-12.43	AVG	

4. Radiation Spurious Emission

4.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.209 and 15.205				
Test Limit	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz~88MHz	100	40.0	Quasi-peak	3
	88MHz~216MHz	150	43.5	Quasi-peak	3
	216MHz~960MHz	200	46.0	Quasi-peak	3
	960MHz~1000MHz	500	54.0	Quasi-peak	3
	Above 1000MHz	500	54.0	Average	3
		-	74.0	Peak	3

Remark:

(1)The lower limit shall apply at the transition frequency.

(2) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

4.2. Test Setup

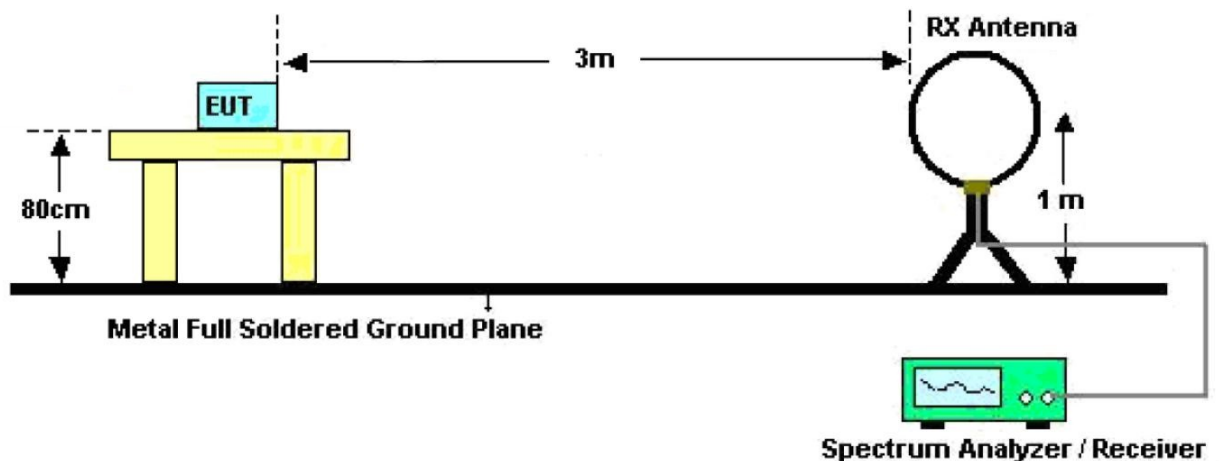


Figure 1. Below 30MHz

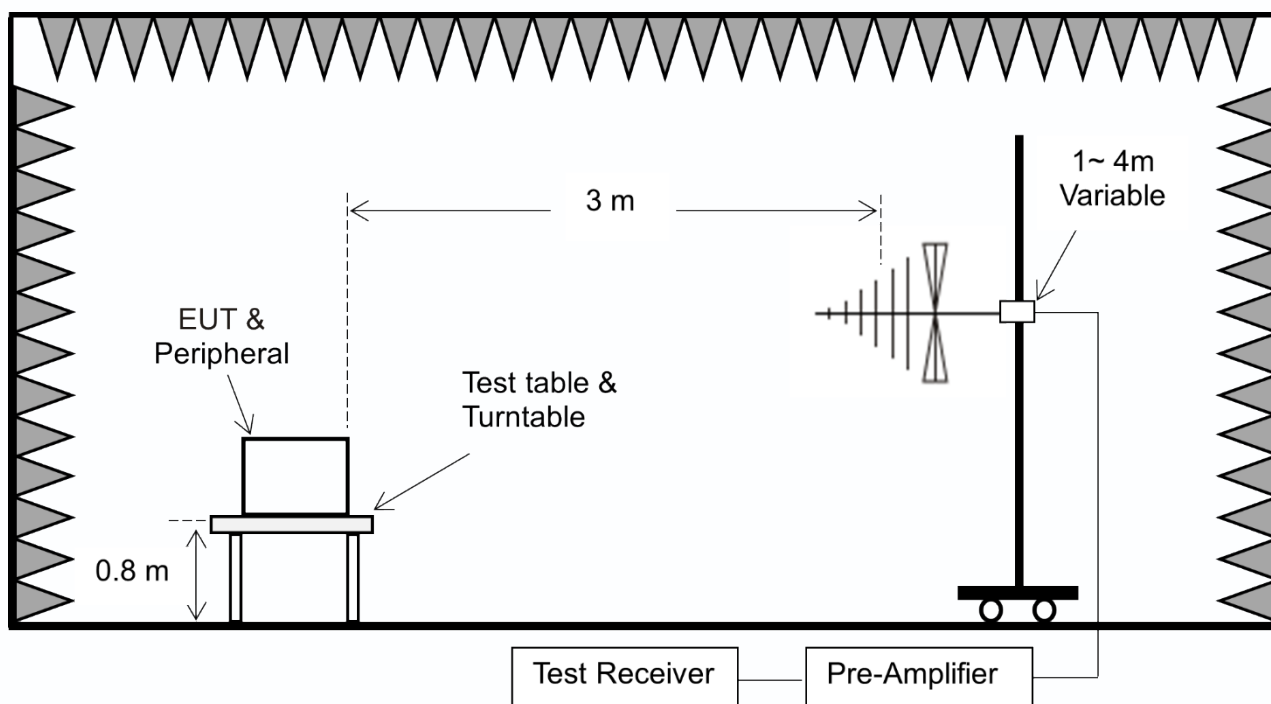


Figure 2. 30MHz to 1GHz

4.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9*6*6 Chamber. The device is evaluated in xyz orientation.

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9kHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW =300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

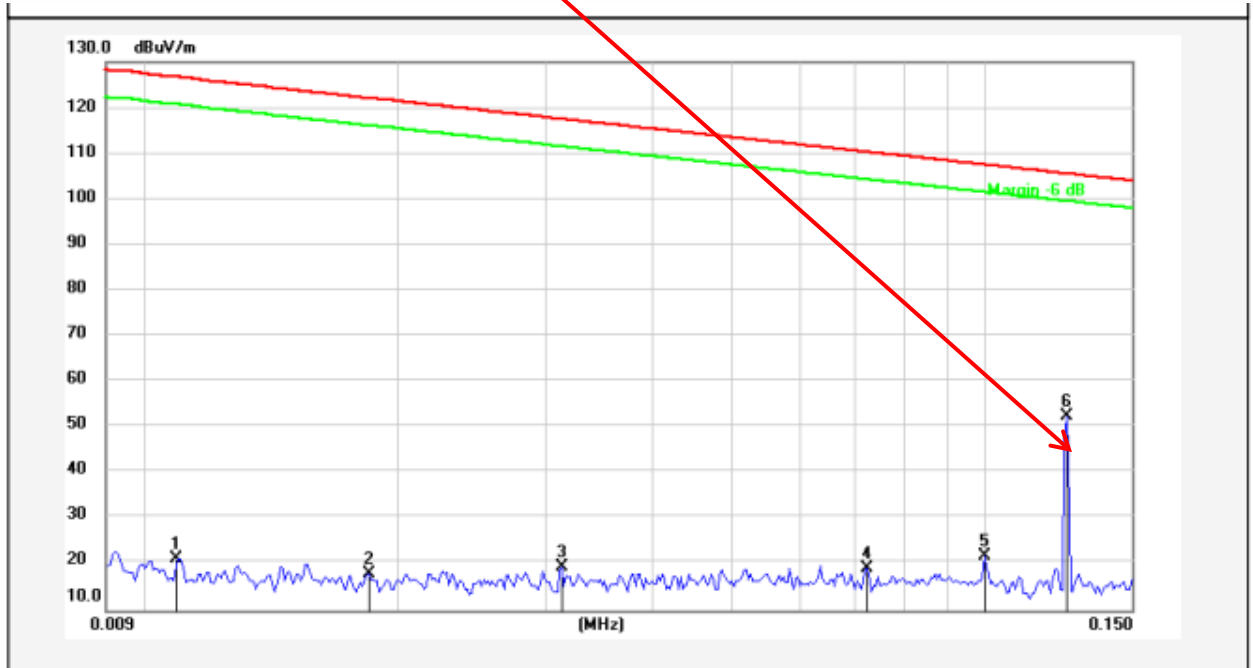
4.4. Test Data

PASS

During the test, Pre-scan all kind of the place mode (coplane, coaxial), and found the coplane is the worst case, only the worst case test data are shown in this test report.

Test Results (Between 9kHz – 150kHz)

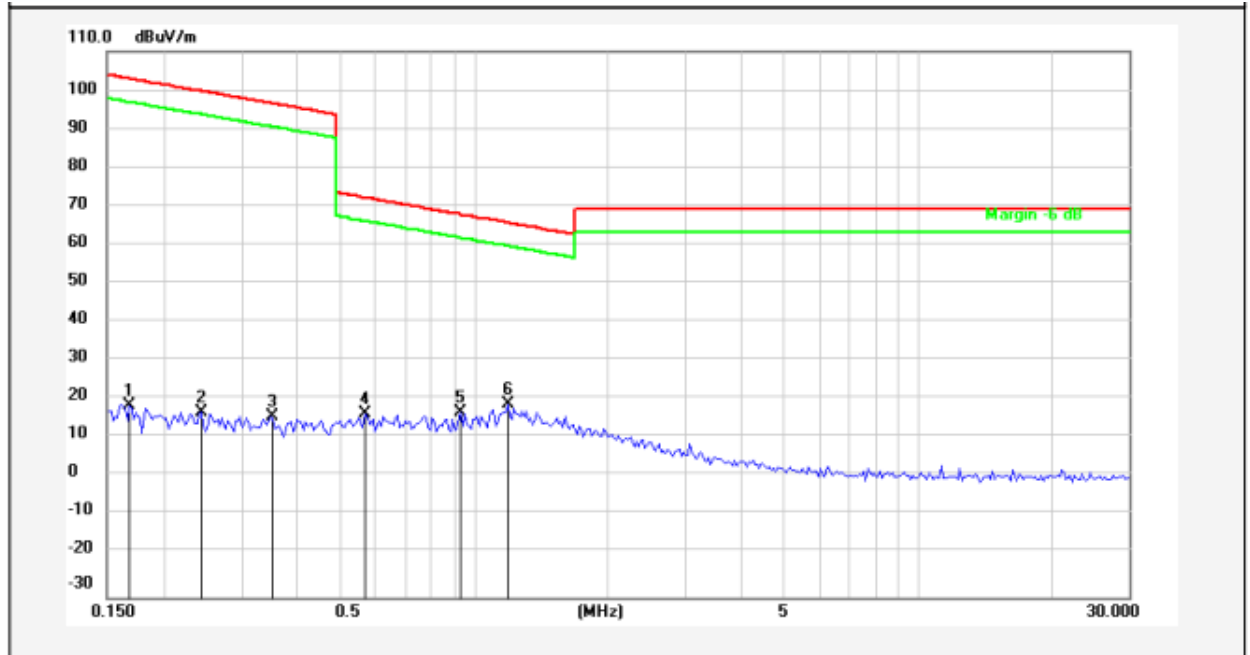
Operating Condition: 125kHz
Distance: 3m
Power Source: AC 120V/60Hz for adapter
Polarization: Coplane
Temp.(°C)/Hum.(%RH): 24.7 °C/51%RH
Fundamental



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Remark
1	0.0109	1.27	20.06	21.33	126.65	-105.32	Peak	
2	0.0184	-2.44	20.24	17.80	122.13	-104.33	Peak	
3	0.0313	-1.04	20.55	19.51	117.55	-98.04	Peak	
4	0.0722	-1.09	20.37	19.28	110.33	-91.05	Peak	
5	0.1000	1.53	20.29	21.82	107.52	-85.70	Peak	
6	0.1252	32.16	20.33	52.49	105.58	-53.09	Peak	

Test Results (Between 0.15MHz – 30MHz)

Operating Condition: 125kHz
Distance: 3m
Power Source: AC 120V/60Hz for adapter
Polarization: Coplane
Temp.(°C)/Hum.(%RH): 24.7 °C/51%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Remark
1	0.1685	-1.03	20.32	19.29	103.01	-83.72	Peak	
2	0.2442	-2.94	20.30	17.36	99.81	-82.45	Peak	
3	0.3502	-4.06	20.28	16.22	96.70	-80.48	Peak	
4	0.5701	-3.33	20.28	16.95	72.49	-55.54	Peak	
5	0.9381	-2.87	20.26	17.39	68.17	-50.78	Peak	
6	1.1970	-0.59	20.26	19.67	66.06	-46.39	Peak	

Remark: According to FCC PART 15.209 (d), the emission limits for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Results (Between 30MHz –1000 MHz)

Operating Condition:

125kHz

Distance:

3m

Power Source:

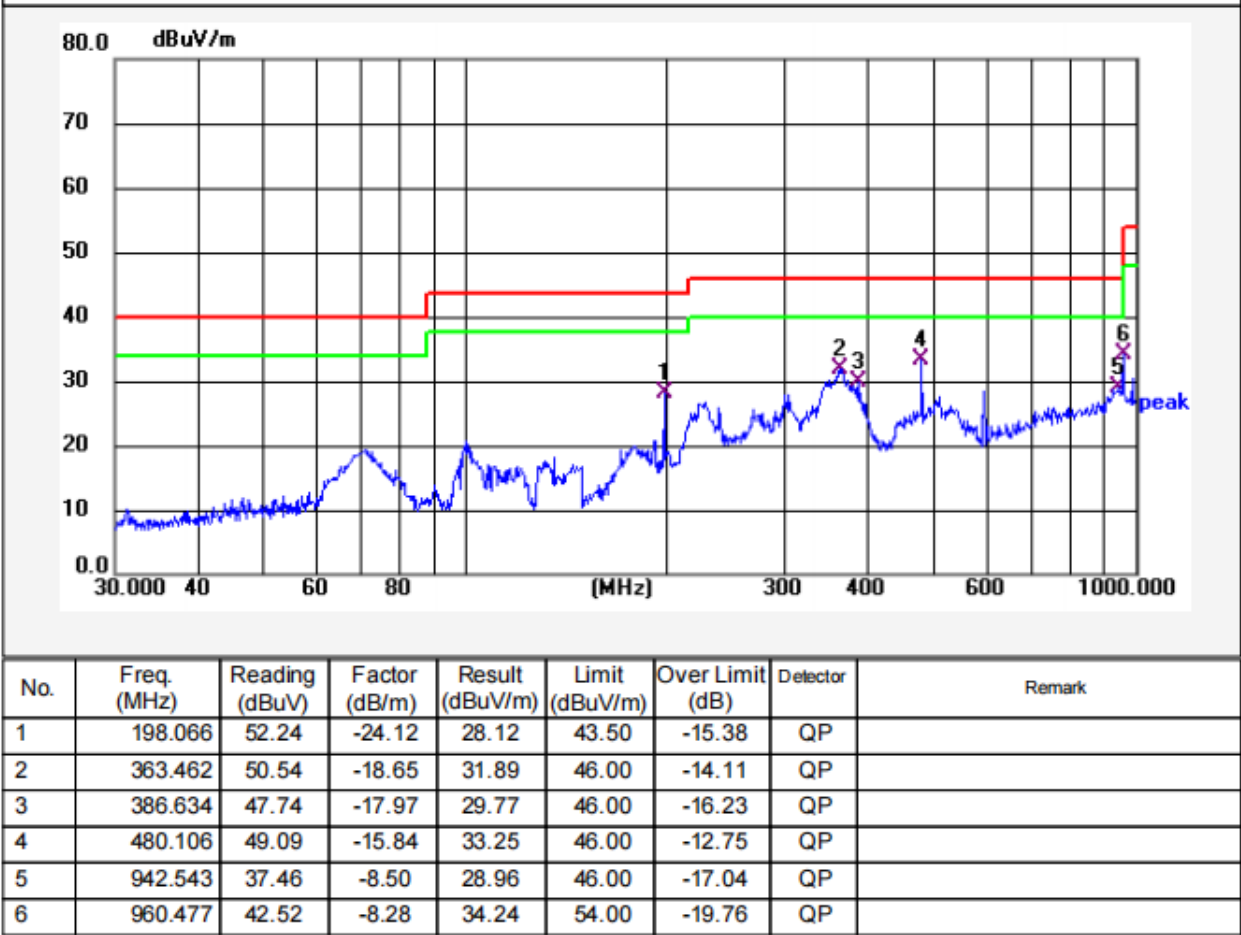
AC 120V/60Hz for adapter

Polarization:

Horizontal

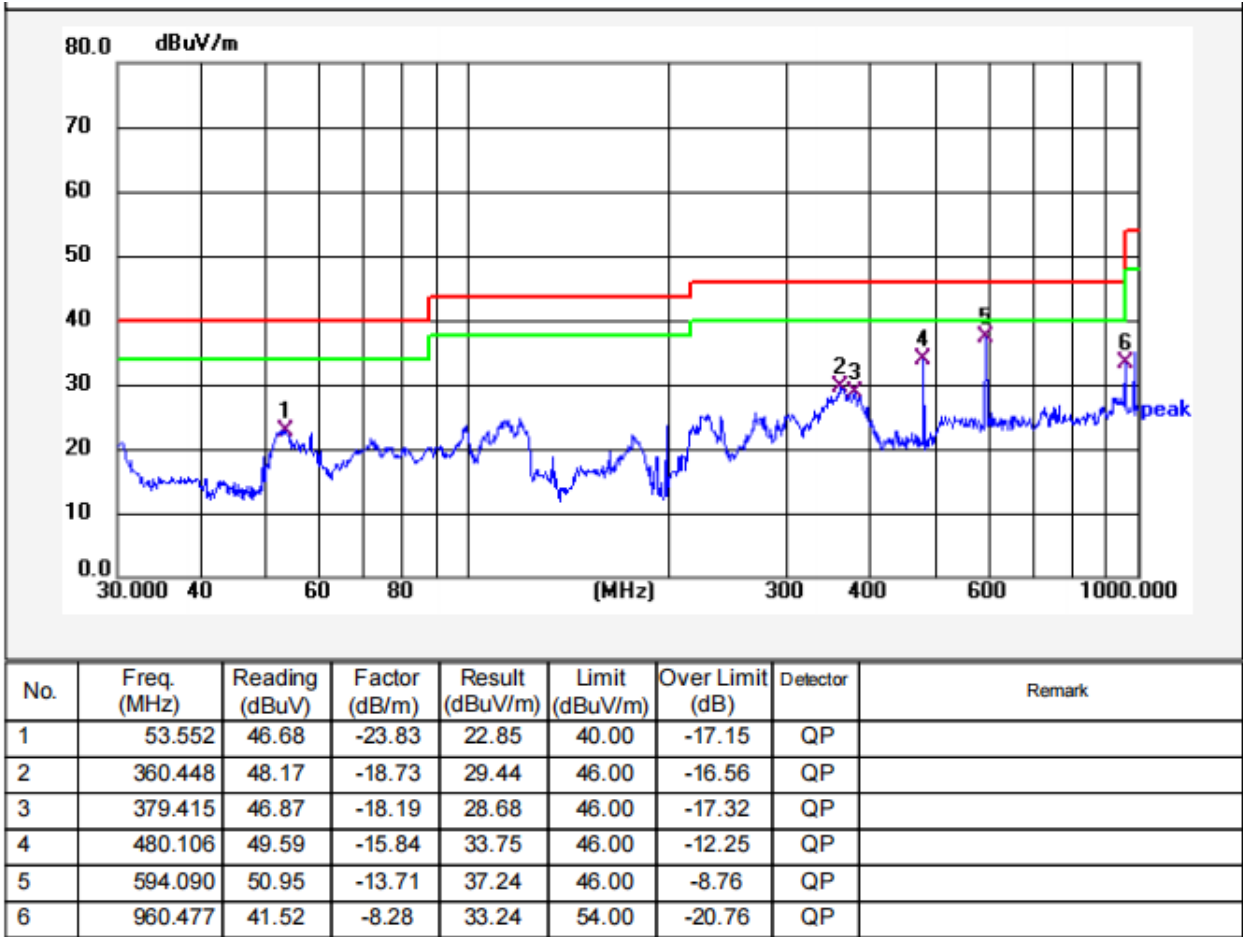
Temp.(°C)/Hum.(%RH):

24.7 °C/51%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Remark
1	198.066	52.24	-24.12	28.12	43.50	-15.38	QP	
2	363.462	50.54	-18.65	31.89	46.00	-14.11	QP	
3	386.634	47.74	-17.97	29.77	46.00	-16.23	QP	
4	480.106	49.09	-15.84	33.25	46.00	-12.75	QP	
5	942.543	37.46	-8.50	28.96	46.00	-17.04	QP	
6	960.477	42.52	-8.28	34.24	54.00	-19.76	QP	

Test Mode: Mode 1
Distance: 3m
Power Source: AC 120V/60Hz for adapter
Polarization: Vertical
Temp.(°C)/Hum.(%RH): 24.7 °C/51%RH

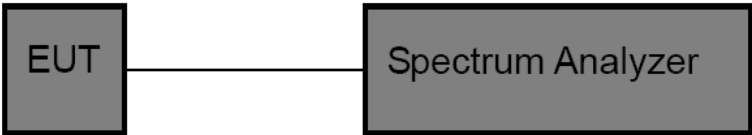


5. 20dB Occupy Bandwidth Test

5.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.215(c)
Test Limit	N/A

5.2. Test Setup



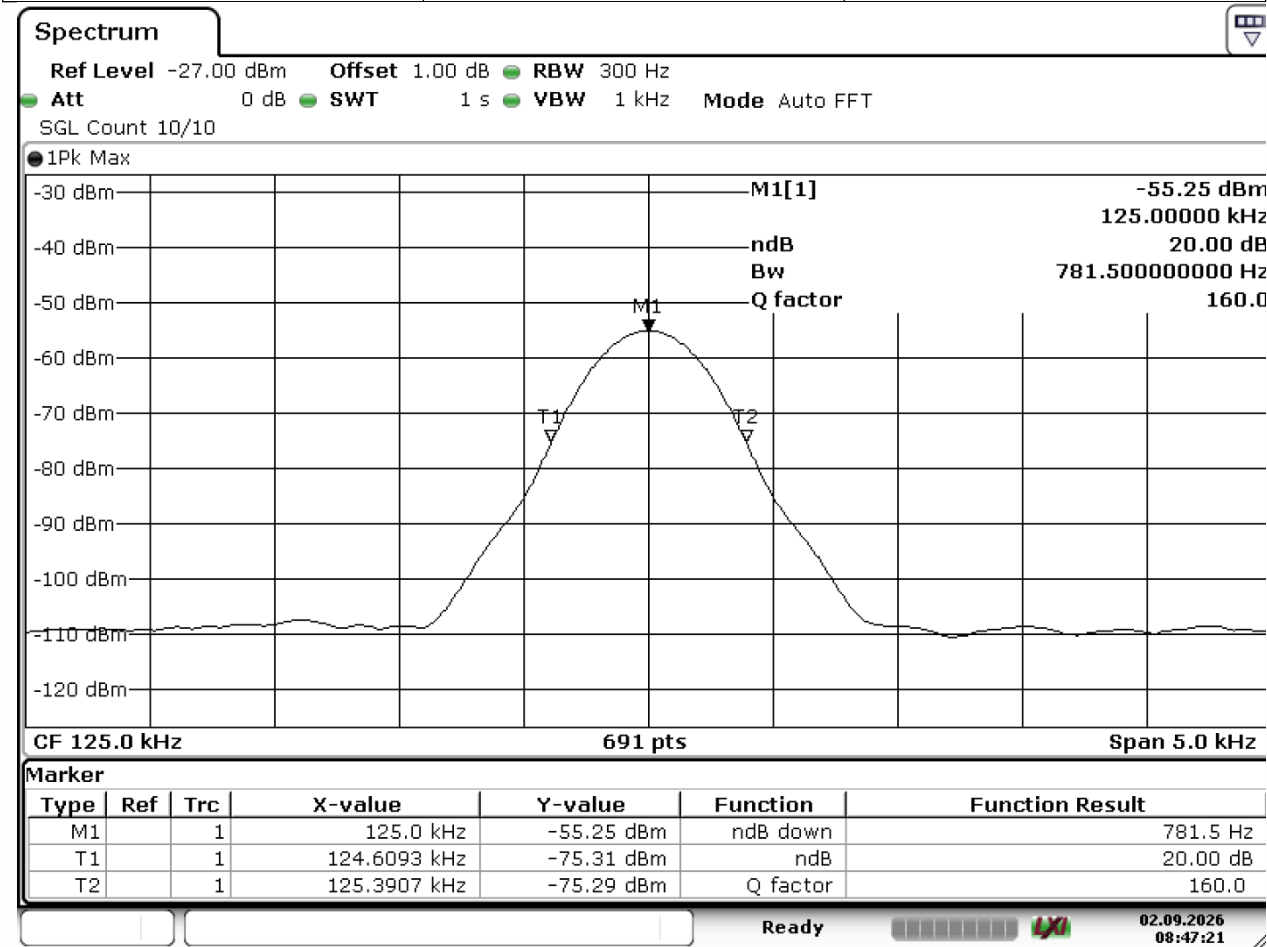
5.3. Test Procedure

1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as:
RBW = 1% to 5% of the OBW, $VBW \geq 3 \times RBW$,
Span= $2 \times OBW \sim 5 \times OBW$
Detector= Peak
Trace mode= Max hold.
Sweep- auto couple.
4. Mark the peak frequency and -20dB (upper and lower) frequency.
5. Repeat until all the rest channels are investigated.

5.4. Test Data

Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
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Freq. (MHz)	Bandwidth (kHz)	Results
0.125	0.7815	PASS



6. Antenna Requirement

6.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203
Requirement	1) 15.203 requirement: 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

6.2. Antenna Connected Construction

The antenna is a Inductive loop coil Antenna which permanently attached, and the best case gain of the antenna is 0dBi. 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 -----