



FCC TEST REPORT

FCC ID: 2ATQZ-P1

On Behalf of

Shenzhen Mooer Audio Co.,Ltd

Intelligent Pedal

Model No.: PRIME P1

Prepared for : Shenzhen Mooer Audio Co.,Ltd
Address : 6F, Unit D, Jinghang Building, Liuxian 3rd Road, Baoan 71 District,
Shenzhen, China

Prepared By : Shenzhen Alpha Product Testing Co., Ltd.
Address : Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103,
Shenzhen, Guangdong, China

Report Number : A2112354-C01-R05
Date of Receipt : January 13,2022
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Date of Report : April 18, 2022
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TEST REPORT DECLARATION

Applicant : Shenzhen Mooer Audio Co.,Ltd
 Address : 6F, Unit D, Jinghang Building, Liuxian 3rd Road, Baoan 71 District, Shenzhen, China
 Manufacturer : Shenzhen Mooer Audio Co.,Ltd
 Address : 6F, Unit D, Jinghang Building, Liuxian 3rd Road, Baoan 71 District, Shenzhen, China
 EUT Description : Intelligent Pedal
 (A) Model No. : PRIME P1
 (B) Trademark : **MOOER**

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247

ANSI C63.10-2013

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits both conducted and radiated emissions. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Tested by (name + signature).....: Yannis Wen
Project Engineer

Yannis Wen

Approved by (name + signature).....: Simple Guan
Project Manager

Simple Guan

Date of issue.....: April 18, 2022

Revision History

Revision	Issue Date	Revisions	Revised By
V0	April 18, 2022	Initial released Issue	Yannis Wen

1. Summary of Standards and Results

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

Test Item	Test Requirement	Standards Paragraph	Result
Conducted Emission	FCC PART 15	15.207	P
6dB Bandwidth	FCC PART 15	15.247 (a)(2)	P
Output Power	FCC PART 15	15.247 (b)(3)	P
Radiated Spurious Emission	FCC PART 15	15.247 (c)	P
Conducted Spurious & Band Edge Emission	FCC PART 15	15.247 (d)	P
Power Spectral Density	FCC PART 15	15.247 (e)	P
Radiated Band Edge Emission	FCC PART 15	15.205	P
Antenna Requirement	FCC PART 15	15.203	P
Note:	<ol style="list-style-type: none"> 1. P is an abbreviation for Pass. 2. F is an abbreviation for Fail. 3. N/A is an abbreviation for Not Applicable. 4. The conclusion of this test report is judged by actual test data without considering measurement uncertainty. 		

2. General information

2.1. Description of Device (EUT)

Description/PMN : Intelligent Pedal

Model :
Number/HVIN(s) : PRIME P1
Diff. : N/A

Trademark : 

Test Voltage : DC 5V from USB, DC 3.7V from battery

Radio Technology : Bluetooth LE

Operation frequency : 2402-2480MHz

Channel No. : 40 Channels

Modulation type : GFSK

Antenna Type : Internal antenna, Maximum Gain is 1.5dBi. (Antenna information is provided by applicant.)

Software version : Prime_P1_V1.1.8

Hardware Version/FVIN : Prime_MAIN_V04

Remark: The worst-case simultaneous transmission configuration was evaluated with no non-compliance found. Results in this report are only for Bluetooth LE function, and there is no other transmitter involved.

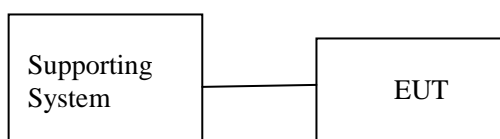
2.2. Accessories of Device (EUT)

Accessories1 : /
 Manufacturer : /
 Model : /
 Ratings : /

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification
1.	Notebook	Lenovo	ThinkPad E14	N/A	N/A

2.4. Block Diagram of connection between EUT and simulators



2.5. Test Mode Description

Tested mode, channel, and data rate information		
Mode	Channel	Frequency (MHz)
GFSK	Low :CH1	2402
	Middle: CH20	2440
	High: CH40	2480

2.6. Test Conditions

Items	Required	Actual
Temperature range:	15-35°C	24°C
Humidity range:	25-75%	56%
Pressure range:	86-106kPa	98kPa

2.7. Test Facility

Shenzhen Alpha Product Testing Co., Ltd
 Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103,
 Shenzhen, Guangdong, China

June 21, 2018 File on Federal Communication Commission
 Registration Number: 293961

July 15, 2019 Certificated by IC
 Registration Number: CN0085

2.8. Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Uncertainty for Power point Conducted Emissions Test	2.74dB
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	2.13 dB(Polarize: V)
	2.57dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.77dB(Polarize: V)
	3.80dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	4.13dB(Polarize: H)
	4.16dB(Polarize: V)
Uncertainty for radio frequency	5.4×10^{-8}
Uncertainty for conducted RF Power	0.37dB

2.9. Test Equipment List

Equipment	Manufacture	Model No.	Serial No.	Last cal.	Cal Interval
9*6*6 anechoic chamber	CHENYU	9*6*6	N/A	2020.09.02	3Year
Spectrum analyzer	ROHDE&SCHWARZ	FSV40-N	102137	2021.08.25	1Year
Spectrum analyzer	Agilent	N9020A	MY499100060	2021.08.25	1Year
Receiver	ROHDE&SCHWARZ	ESR	1316.3003K03-10208 2-Wa	2021.08.25	1Year
Receiver	R&S	ESCI	101165	2021.08.25	1Year
Bilog Antenna	Schwarzbeck	VULB 9168	VULB 9168#627	2021.08.30	2Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2106	2021.08.30	2Year
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00059	2021.08.30	2Year
RF Cable	Resenberger	Cable 1	RE1	2021.08.25	1Year
RF Cable	Resenberger	Cable 2	RE2	2021.08.25	1Year
RF Cable	Resenberger	Cable 3	CE1	2021.08.25	1Year
Pre-amplifier	HP	HP8347A	2834A00455	2021.08.25	1Year
Pre-amplifier	Agilent	8449B	3008A02664	2021.08.25	1Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	8126-466	2021.08.25	1Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	101043	2021.08.25	1 Year
Horn Antenna	SCHWARZBECK	BBHA9170	00946	2021.08.30	2 Year
Preamplifier	SKET	LNPA_1840 -50	SK2018101801	2021.08.25	1 Year
Power Meter	Agilent	E9300A	MY41496628	2021.08.25	1 Year
Power Sensor	DARE	RPR3006W	15100041SNO91	2021.08.25	1 Year
Temp. & Humid. Chamber	Weihuang	WHTH-1000 -40-880	100631	2021.04.21	1 Year
Switching Mode Power Supply	JUNKE	JK12010S	20140927-6	2021.08.25	1 Year
Adjustable attenuator	MWRftest	N/A	N/A	N/A	N/A
10dB Attenuator	Mini-Circuits	DC-6G	N/A	N/A	N/A

Software Information			
Test Item	Software Name	Manufacturer	Version
RE	EZ-EMC	EZ	Alpha-3A1
CE	EZ-EMC	EZ	Alpha-3A1
RF-CE	MTS 8310	MW	V2.0.0.0

3. Spurious Emission

3.1. Test Limits

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Harmonic emissions limits comply with below 54 dBuV/m at 3m. Other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified in section 15.209(a) limit in the table below has to be followed.

NOTE:

- a) The tighter limit applies at the band edges.
- b) Emission Level(dB uV/m)=20log Emission Level(uv/m)

3.2. Test Procedure

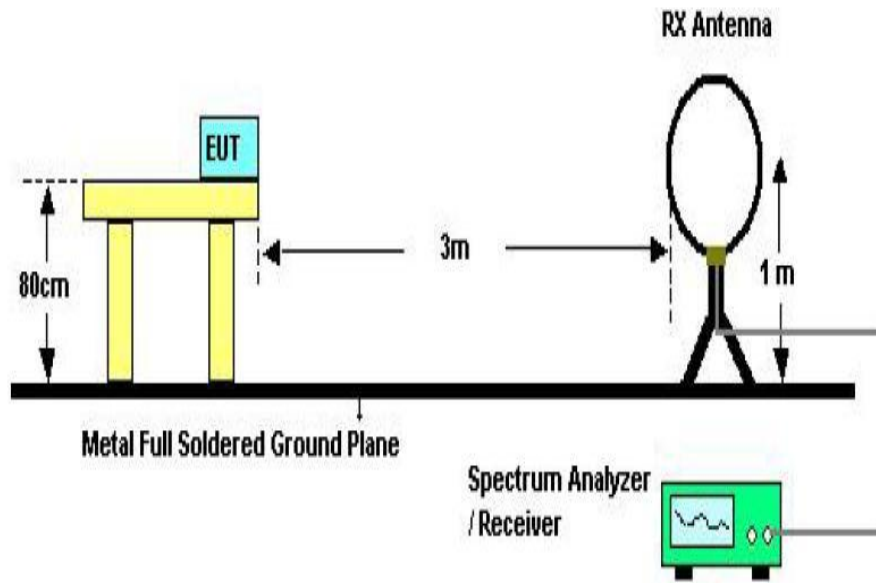
The measuring distance of 3m shall be used for measurements at frequency up to 1GH and above 1GHz, The EUT was placed on a rotating 0.8 m high above ground for below 1GHz and 1.5m high for above 1GHz testing, The table was rotated 360 degrees to determine the position of the highest radiation

The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set of make measurement.

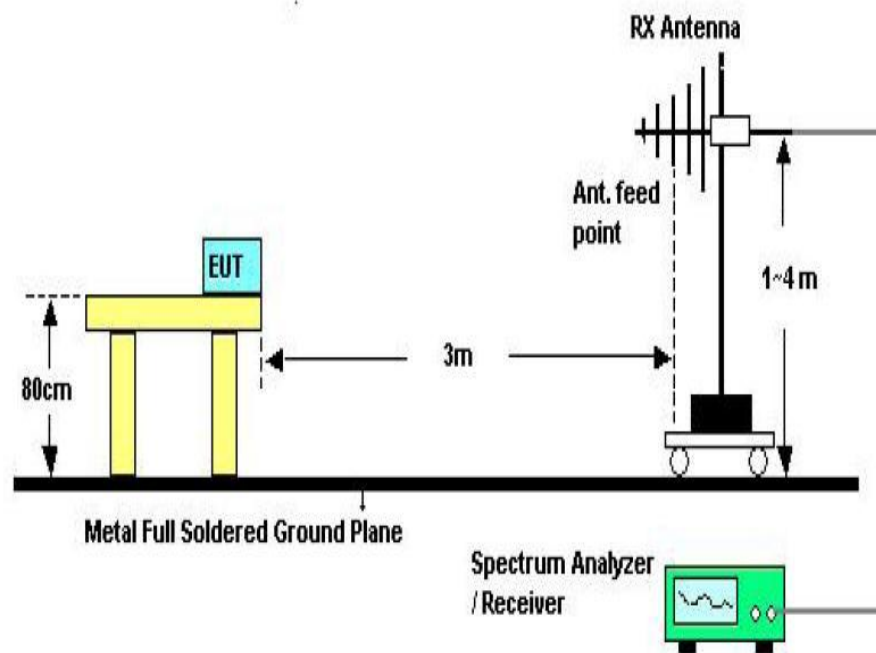
The initial step in collecting conducted emission data is a spectrum analyzer Peak detector mode pre-scanning the measurement frequency range. Significant Peaks are then marked. and then Qusia Peak Detector mode premeasured

If Peak value comply with QP limit Below 1GHz. The EUT deemed to comply with QP limit. But the Peak value and average value both need to comply with applicable limit above 1GHz. For the actual test configuration, please see the test setup photo.

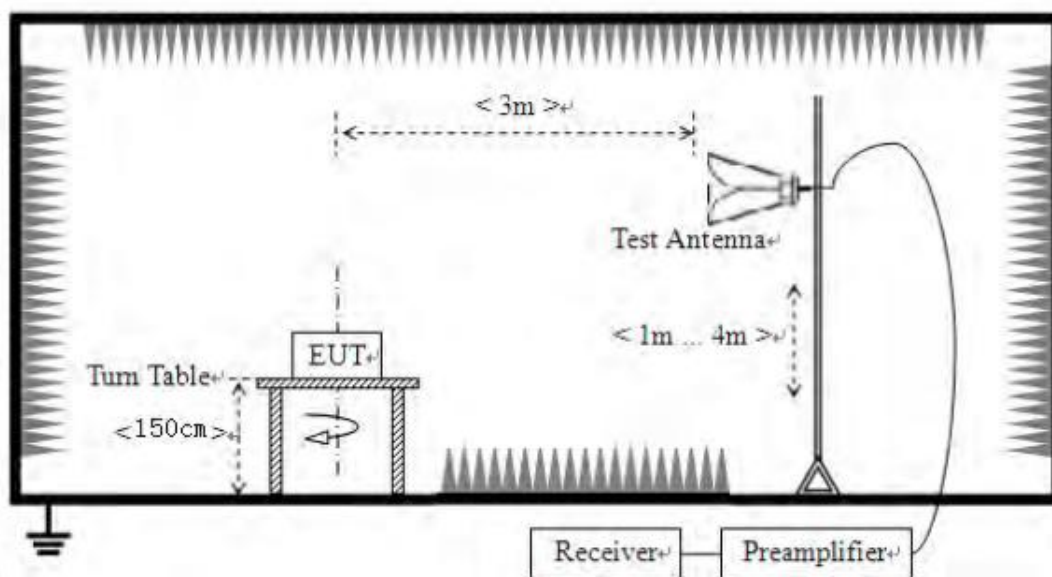
3.3. Test Setup



Below 30MHz Test Setup



Above 30MHz Test Setup



Above 1GHz Test Setup

3.4. Test Results

Test Condition

Continual Transmitting in maximum power.

9KHz~150KHz	RBW200Hz	VBW1KHz
150KHz~30MHz	RBW9KHz	VBW 30KHz
30MHz~1GHz	RBW120KHz	VBW 300KHz
Above1GHz	RBW1MHz	VBW 3MHz

We have scanned the 10th harmonic from 9 kHz to the EUT.

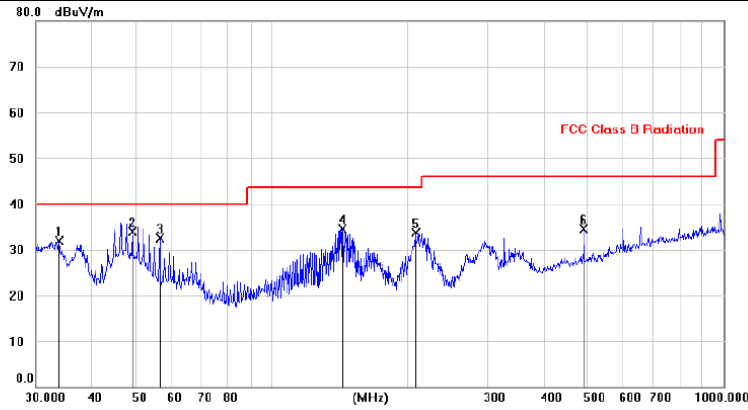
Detailed information please see the following page.

From 9KHz to 30MHz: Conclusion: PASS

Note: 1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

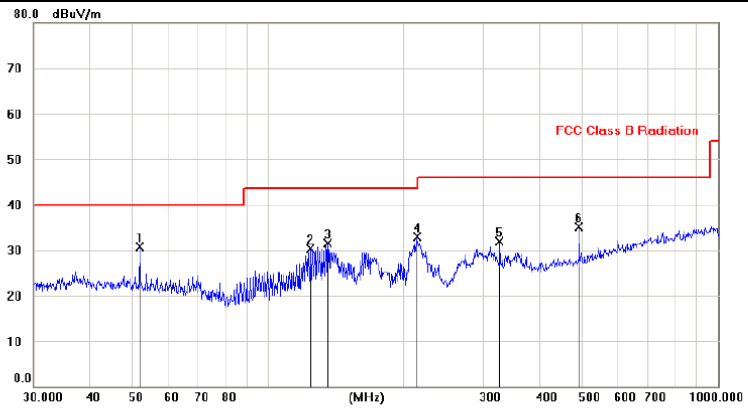
2. Only show the test data of the worst Channel in this report.

From 30MHz to 1000MHz: Conclusion: PASS			
EUT Description	Intelligent Pedal	Model No.	PRIME P1
Temperature	24°C	Humidity	56%
Pol	Vertical	Test date	2022/04/07
Test Voltage	DC 5V from USB, DC 3.7V from battery	Test mode	GFSK (2480MHz)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		33.8975	18.12	13.70	31.82	40.00	-8.18			peak
2	*	49.2083	19.95	14.03	33.98	40.00	-6.02	100	216	
3		56.4674	19.09	13.50	32.59	40.00	-7.41			peak
4		143.3763	20.02	14.56	34.58	43.50	-8.92			peak
5		208.5559	22.68	11.05	33.73	43.50	-9.77			peak
6		491.6059	16.41	18.10	34.51	46.00	-11.49			peak

Pol	Horizontal
------------	------------



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	*	51.7462	16.92	13.88	30.80	40.00	-9.20			peak
2		124.3799	17.07	13.28	30.35	43.50	-13.15			peak
3		135.9822	17.49	14.02	31.51	43.50	-11.99			peak
4		214.1635	21.64	11.35	32.99	43.50	-10.51			peak
5		327.7340	17.16	14.78	31.94	46.00	-14.06			peak
6		491.6059	17.09	18.10	35.19	46.00	-10.81			peak

*:Maximum data x:Over limit !:over margin

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

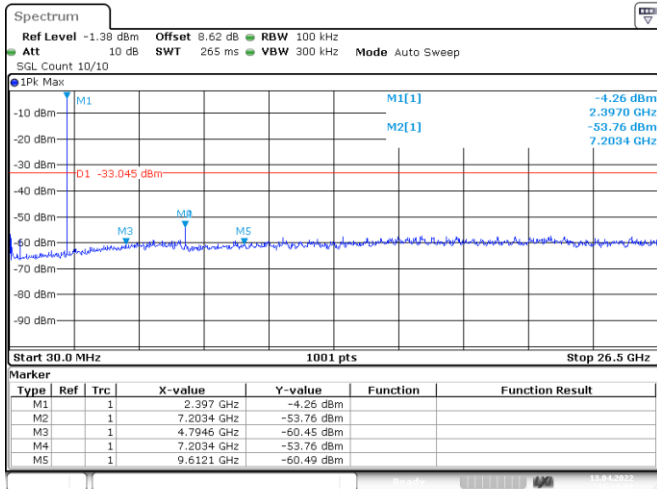
Remark: All modes have been tested, and only worst data of GFSK (2480MHz) was listed in this report.

From 1G-25GHz

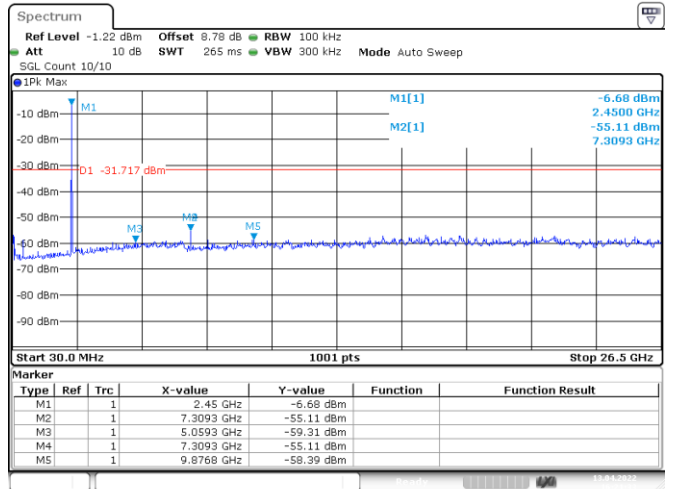
Test Mode: TX Low									
Freq (MHz)	Read Level (dBuV/m)	Polar (H/V)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
4804	42.98	V	33.95	10.18	34.26	52.85	74	-21.15	PK
4804	36.63	V	33.95	10.18	34.26	46.50	54	-7.50	AV
7206	/	/	/	/	/	/	/	/	/
9608	/	/	/	/	/	/	/	/	/
4804	44.02	H	33.95	10.18	34.26	53.89	74	-20.11	PK
4804	37.65	H	33.95	10.18	34.26	47.52	54	-6.48	AV
7206	/	/	/	/	/	/	/	/	/
9608	/	/	/	/	/	/	/	/	/
Test Mode: TX Mid									
4880	43.19	V	33.93	10.2	34.29	53.03	74	-20.97	PK
4880	34.28	V	33.93	10.2	34.29	44.12	54	-9.88	AV
7320	/	/	/	/	/	/	/	/	/
9760	/	/	/	/	/	/	/	/	/
4880	43.09	H	33.93	10.2	34.29	52.93	74	-21.07	PK
4880	33.91	H	33.93	10.2	34.29	43.75	54	-10.25	AV
7320	/	/	/	/	/	/	/	/	/
9760	/	/	/	/	/	/	/	/	/
Test Mode: TX High									
4960	45.94	V	33.98	10.22	34.25	55.89	74	-18.11	PK
4960	35.28	V	33.98	10.22	34.25	45.23	54	-8.77	AV
7440	/	/	/	/	/	/	/	/	/
9920	/	/	/	/	/	/	/	/	/
4960	44.90	H	33.98	10.22	34.25	54.85	74	-19.15	PK
4960	34.45	H	33.98	10.22	34.25	44.40	54	-9.60	AV
7440	/	/	/	/	/	/	/	/	/
9920	/	/	/	/	/	/	/	/	/
Note:									
1, Result = Read level + Antenna factor + cable loss-Amp factor									
2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									

Conducted method:

EUT Description	Intelligent Pedal	Model No.	PRIME P1
Temperature	24°C	Humidity	56%
Test mode	GFSK (2402MHz)	Test mode	GFSK (2440MHz)

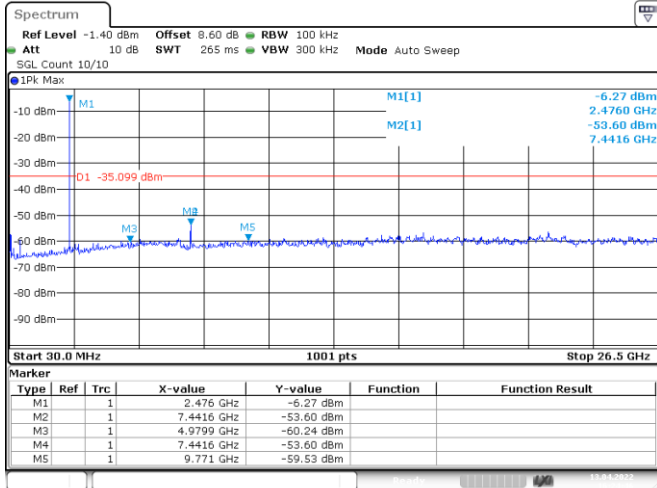


Date: 13.APR.2022 16:18:07



Date: 13.APR.2022 16:21:33

Test mode	GFSK (2480MHz)
------------------	----------------



Date: 13.APR.2022 16:24:45

4. Power Line Conducted Emission

4.1. Test Limits

Frequency MHz	Limits dB(μ V)	
	Quasi-peak Level	Average Level
0.15 -0.50	66 -56*	56 - 46*
0.50 -5.00	56	46
5.00 -30.00	60	50

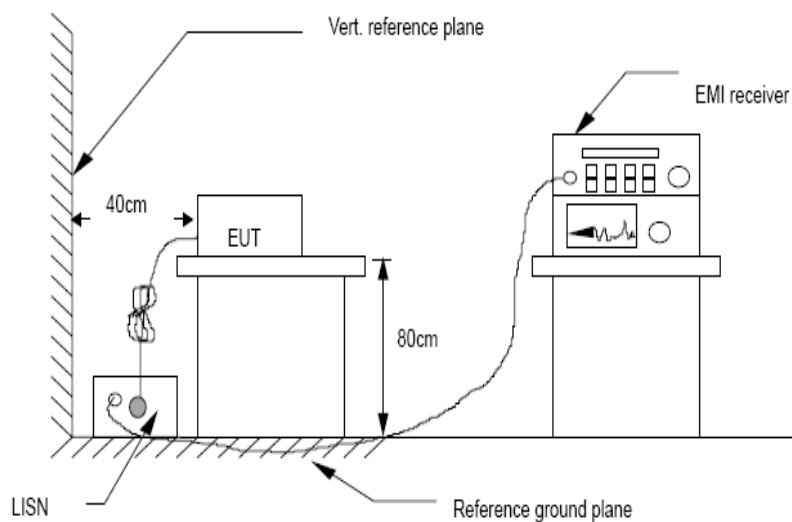
Notes: 1. *Decreasing linearly with logarithm of frequency.
 2. The lower limit shall apply at the transition frequencies.
 3. The limit decreases in line with the logarithm of the frequency in rang of 0.15 to 0.50 MHz.

4.2. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and 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 lines 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 ANSI C63.10:2013 on Conducted Emission Measurement.

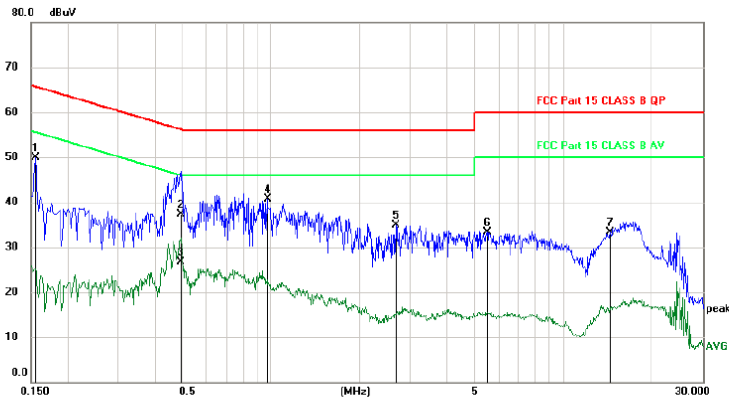
The bandwidth of test receiver is set at 9 kHz.

4.3. Test Setup



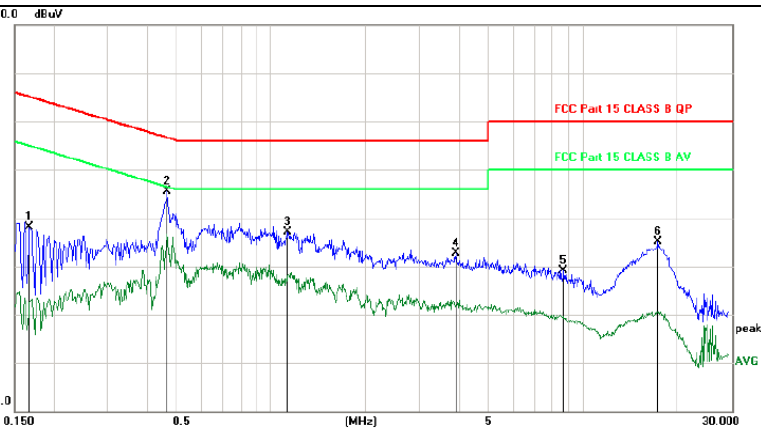
4.4. Test Results

EUT Description	Intelligent Pedal	Model No.	PRIME P1
Temperature	24°C	Humidity	56%
Pol	Line	Test date	2022/04/08
Test Voltage	DC 5V from USB, DC 3.7V from battery	Test mode	GFSK (2480MHz)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1560	39.97	9.94	49.91	65.67	-15.76	peak	
2		0.4890	27.27	9.96	37.23	56.18	-18.95	QP	
3		0.4890	16.82	9.96	26.78	46.18	-19.40	AVG	
4	*	0.9690	30.79	9.94	40.73	56.00	-15.27	peak	
5		2.6760	24.92	9.92	34.84	56.00	-21.16	peak	
6		5.4899	23.31	10.06	33.37	60.00	-26.63	peak	
7		14.4990	23.02	10.32	33.34	60.00	-26.66	peak	

Pol	Neutral
------------	---------



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1680	28.24	9.93	38.17	65.06	-26.89	peak	
2	*	0.4650	35.49	9.95	45.44	56.60	-11.16	peak	
3		1.1310	27.29	9.90	37.19	56.00	-18.81	peak	
4		3.9090	22.76	9.96	32.72	56.00	-23.28	peak	
5		8.6430	18.85	10.17	29.02	60.00	-30.98	peak	
6		17.3880	24.76	10.40	35.16	60.00	-24.84	peak	

*:Maximum data x:Over limit !:over margin

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

Remark: All modes have been tested, and only worst data of GFSK (2480MHz) was listed in this report.

5. Conducted Maximum Output Power

5.1. Test limits

Please refer section RSS-247 & 15.247.

5.2. Test Procedure

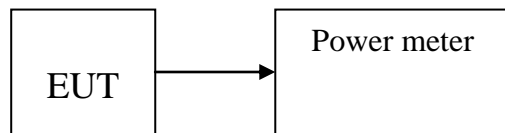
Details see the KDB558074 D01 Meas Guidance V05

5.2.1 Place the EUT on the table and set it in transmitting mode.

5.2.2 Measure out each mode and each bands AVG output power of EUT.

Note: The cable loss and attenuator loss were offset into measure device as amplitude offset.

5.3. Test Setup



5.4. Test Results

Channel	Frequency (MHz)	AVG Output Power (dBm)	Limit (dBm)
CH1	2402	-3.229	30
CH20	2440	-1.831	30
CH40	2480	-5.038	30
Conclusion: PASS			

6. Power Spectral Density

6.1. Test limits

6.1.1 Please refer section RSS-247 & 15.247.

6.1.2 For direct sequence systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

6.1.3 The direct sequence operating of the hybrid system, with the frequency hopping operation turned off, shall comply with the power density requirements of paragraph (d) of this section.

6.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance V05

6.2.1 Place the EUT on the table and set it in transmitting mode.

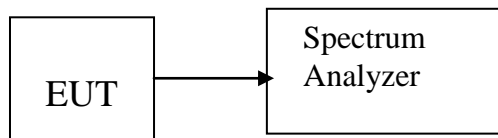
6.2.2 Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

6.2.3 Detector = RMS. Set the spectrum analyzer as RBW = 3kHz(Set the RBW to: $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$), VBW = 10kHz(Set the VBW $\geq 3 \times \text{RBW}$), span= $1.5 \times \text{DTS}$ bandwidth., detail see the test plot.

6.2.4 Record the max reading.

6.2.5 Repeat the above procedure until the measurements for all frequencies are completed.

6.3. Test Setup

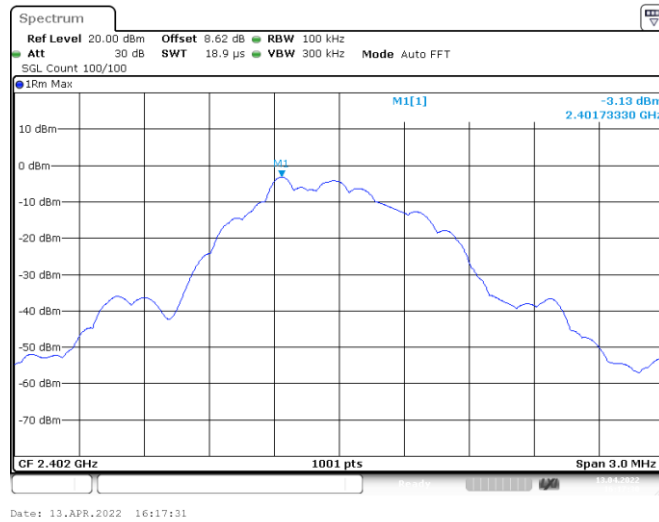


6.4. Test Results

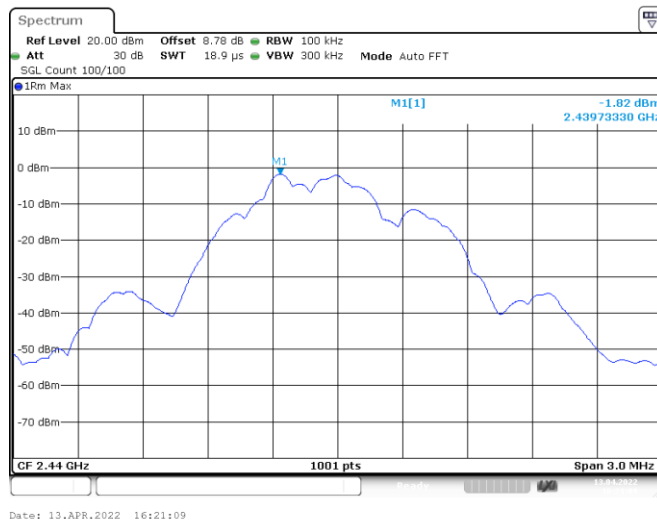
Channel	Frequency (MHz)	Max PSD (dBm/100K)	Max PSD (dBm/3K)	Limit (dBm)	Result
CH1	2402	-3.129	-18.358	8	PASS
CH20	2440	-1.817	-17.046	8	PASS
CH40	2480	-5.111	-20.340	8	PASS

Conclusion: PASS

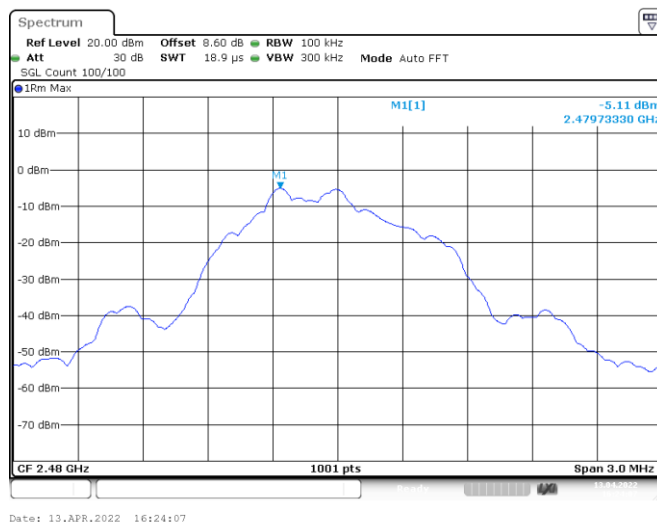
Note: Max PSD (dBm/3K)= Max PSD (dBm/100K)-Log(100/3)*10



Lowest channel



Middle channel



Highest channel

7. Bandwidth

7.1. Test limits

Please refer section RSS-247 & 15.247

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500 kHz.

7.2. Test Procedure

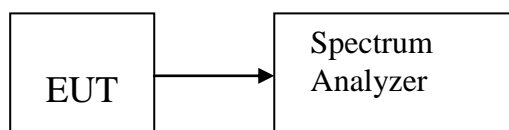
Details see the KDB558074 D01 Meas Guidance v05r02

a) The bandwidth is measured at an amplitude level reduced 6dB from the reference level.

The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

b) The test receiver set $RBW = 100\text{kHz}$, $VBW \geq 3 * RBW = 300\text{kHz}$, Sweep time set auto, detail see the test plot.

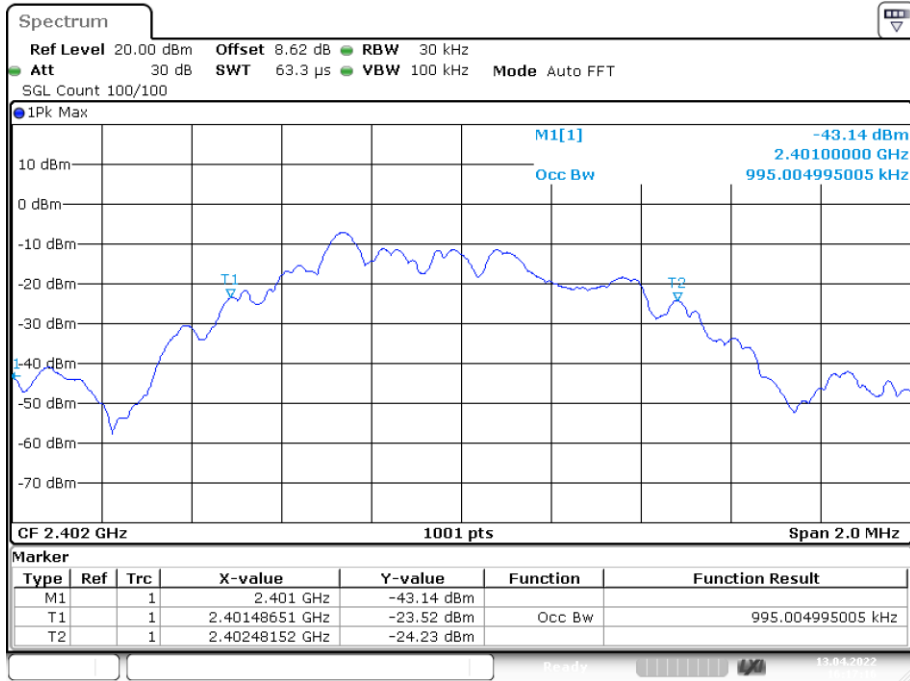
7.3. Test Setup



7.4. Test Results

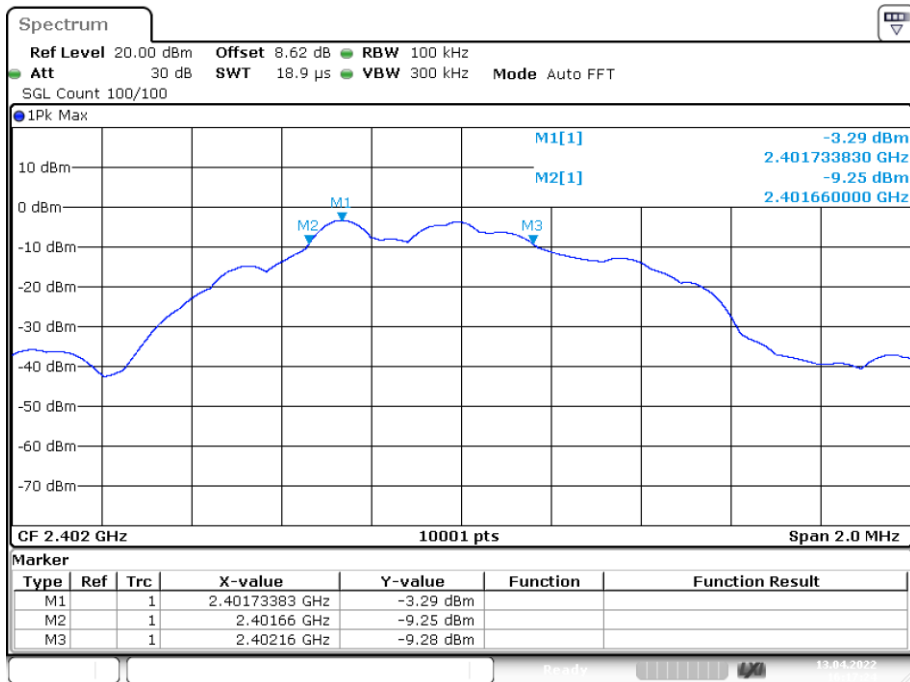
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE	2402	Ant 1	0.995	0.5	0.5	Pass
NVNT	BLE	2440	Ant 1	1.009	0.5	0.5	Pass
NVNT	BLE	2480	Ant 1	1.009	0.51	0.5	Pass

OBW NVNT BLE 2402MHz Ant1



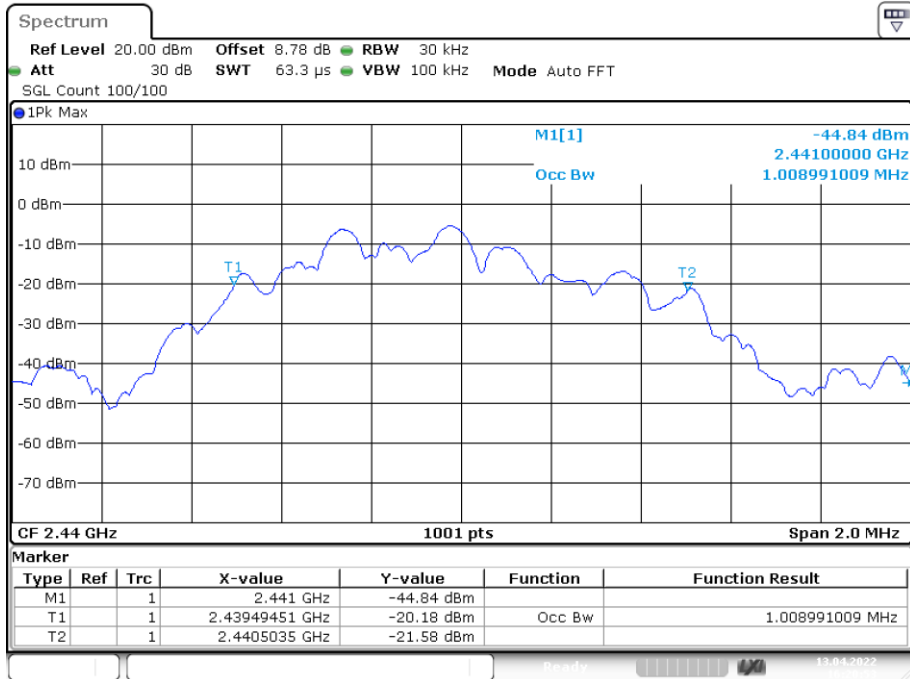
Date: 13.APR.2022 16:17:16

-6 dB BW NVNT BLE 2402MHz Ant1



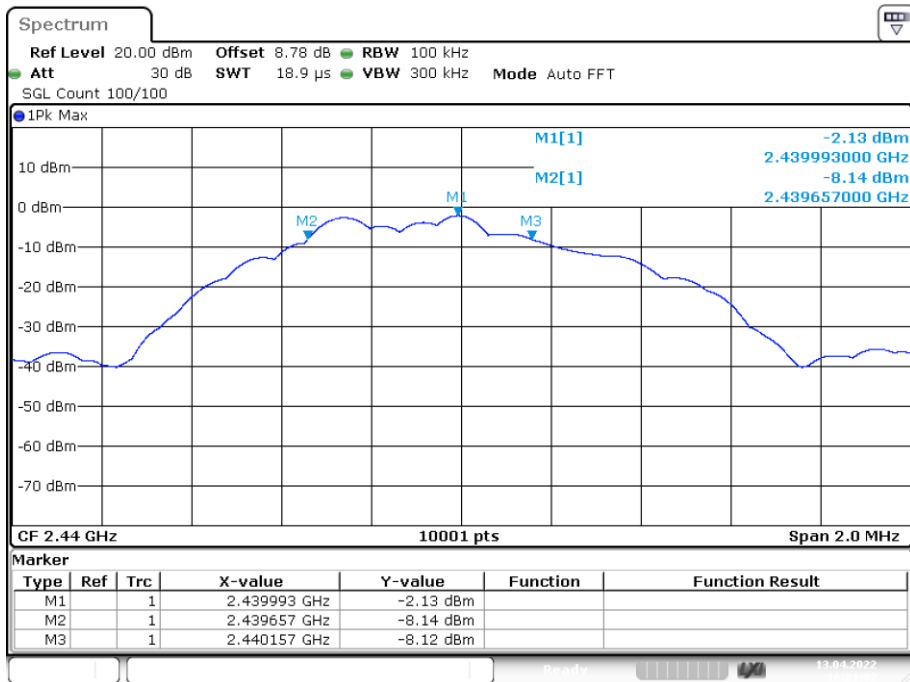
Date: 13.APR.2022 16:17:24

OBW NVNT BLE 2440MHz Ant1



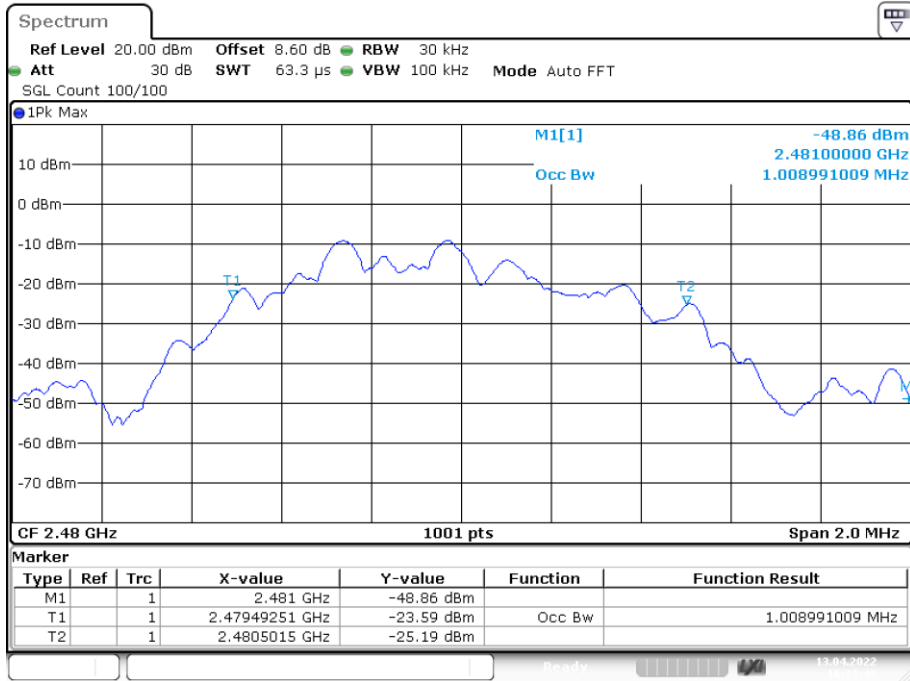
Date: 13.APR.2022 16:20:52

-6 dB BW NVNT BLE 2440MHz Ant1



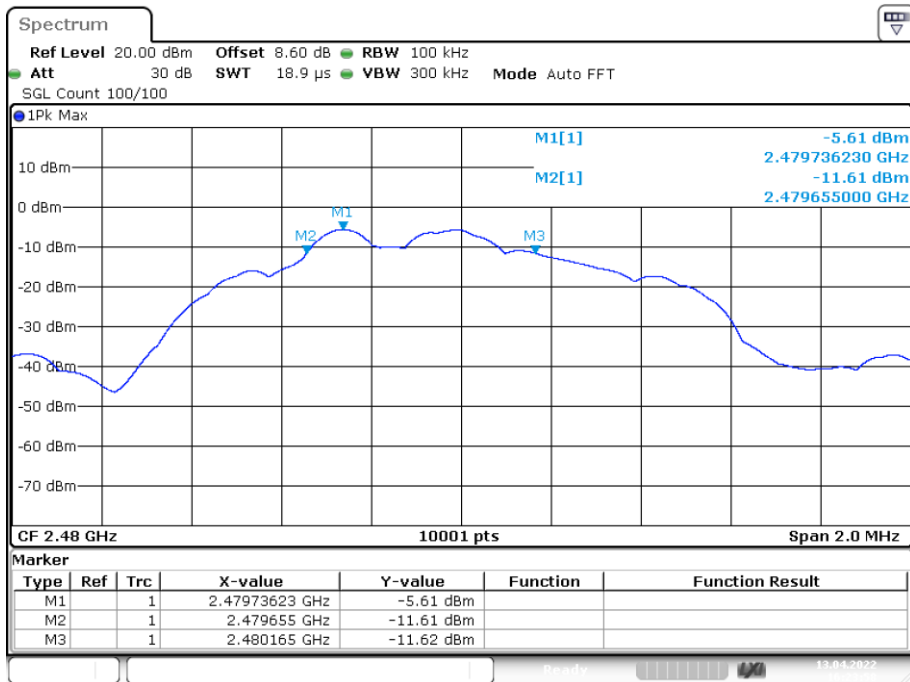
Date: 13.APR.2022 16:21:01

OBW NVNT BLE 2480MHz Ant1



Date: 13.APR.2022 16:23:49

-6 dB BW NVNT BLE 2480MHz Ant1



Date: 13.APR.2022 16:23:58

8. Band Edge Check

8.1. Test limits

Please refer section RSS-GEN&15.247.

8.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance V05

8.2.1 Put the EUT on a 0.8m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission

8.2.2 Check the spurious emissions out of band.

8.2.3 RBW 1MHz ,VBW 3MHz ,peak detector for peak value , RBW 1MHz ,VBW 3MHz ,RMS detector for AV value.

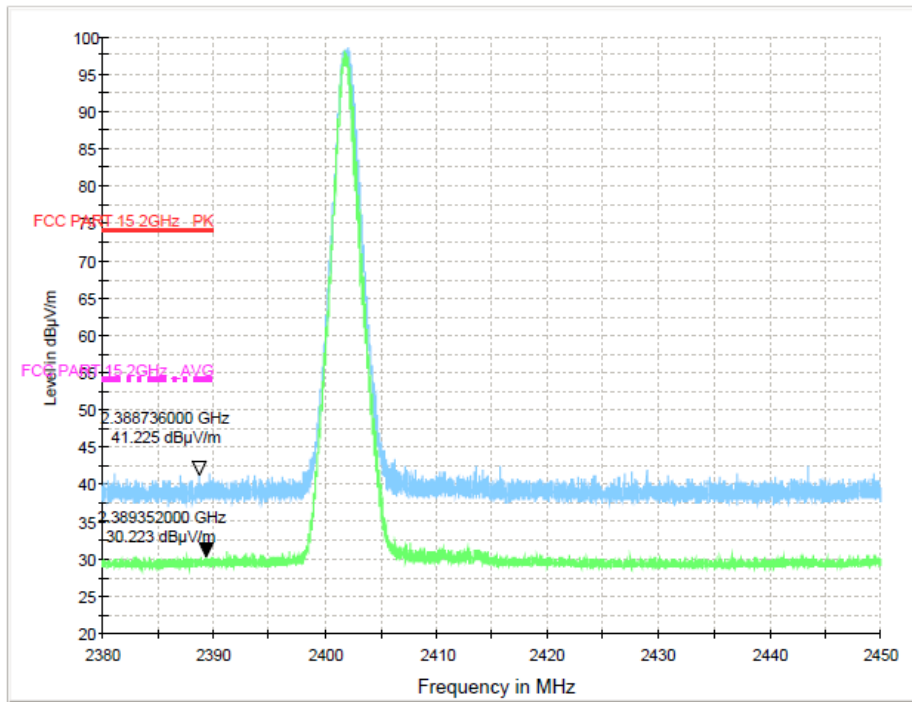
8.3. Test Setup

Same as 5.2.2.

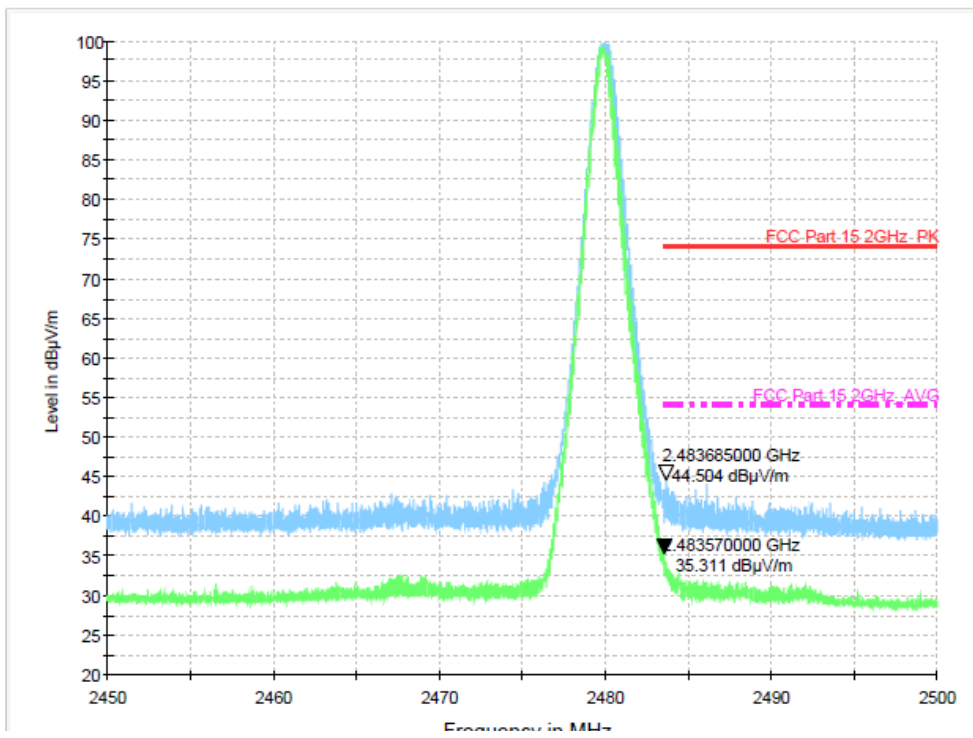
8.4. Test Results

Radiated Method:

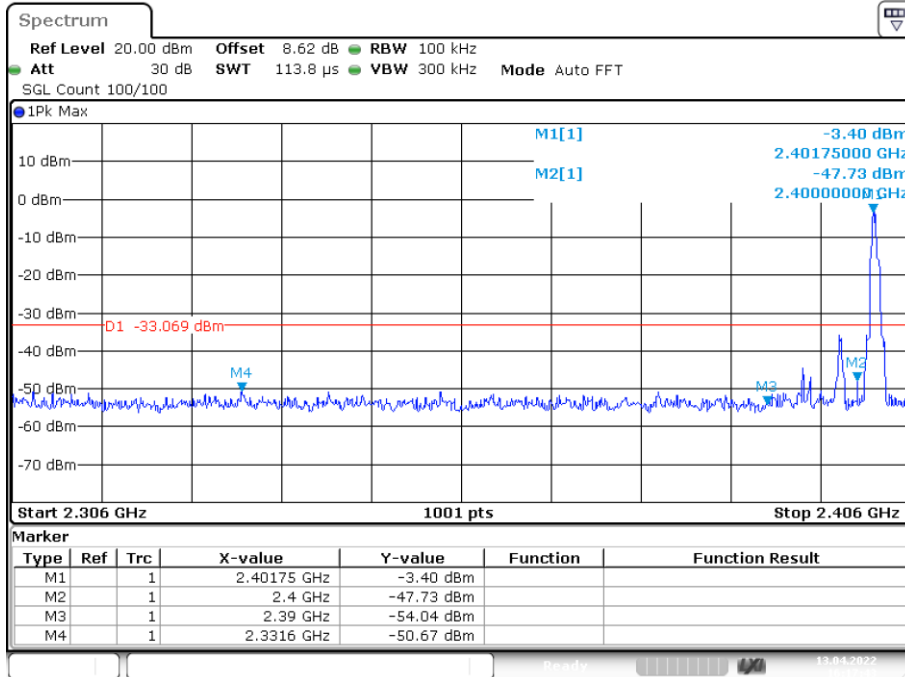
Test Mode: Low



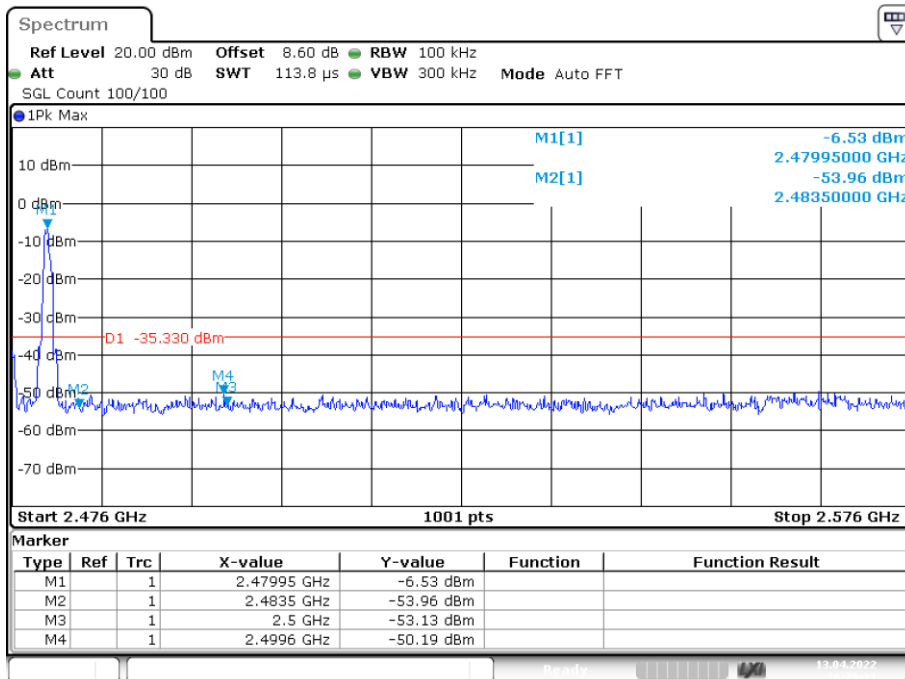
Test Mode: High



Conducted Method:



Lowest channel



Highest channel

Remark: All modes have been tested, and only worst data was listed in this report.

9. Antenna Requirement

9.1. Standard 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 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 replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

9.2. Antenna Connected Construction

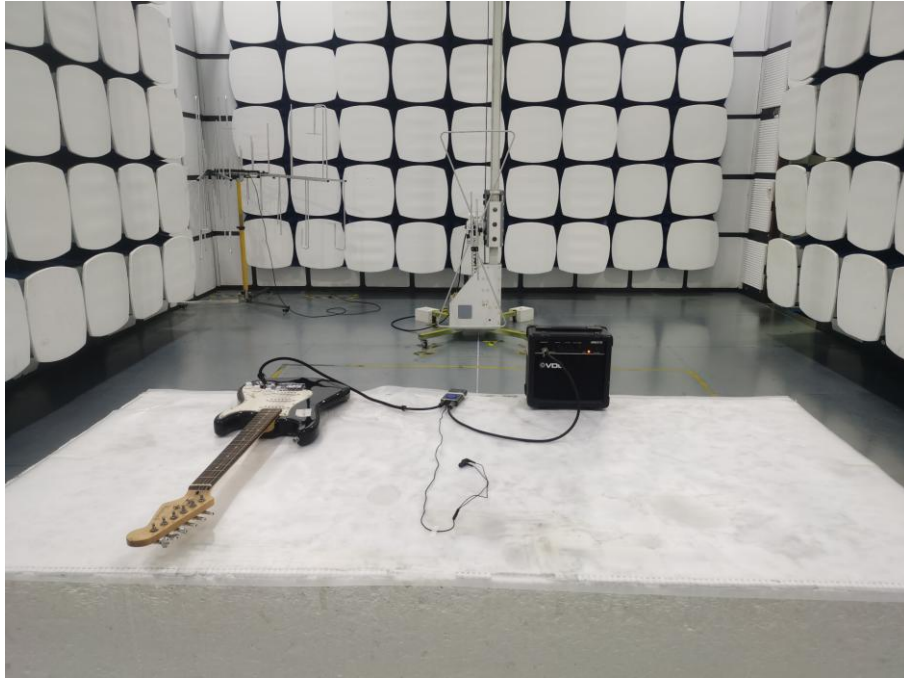
The antenna is PCB antenna and no consideration of replacement. Please see EUT photo for details.

9.3. Results

The EUT antenna 1 is Internal antenna. It complies with the standard requirement.

10. Test Setup Photo

10.1. Photos of Radiated emission



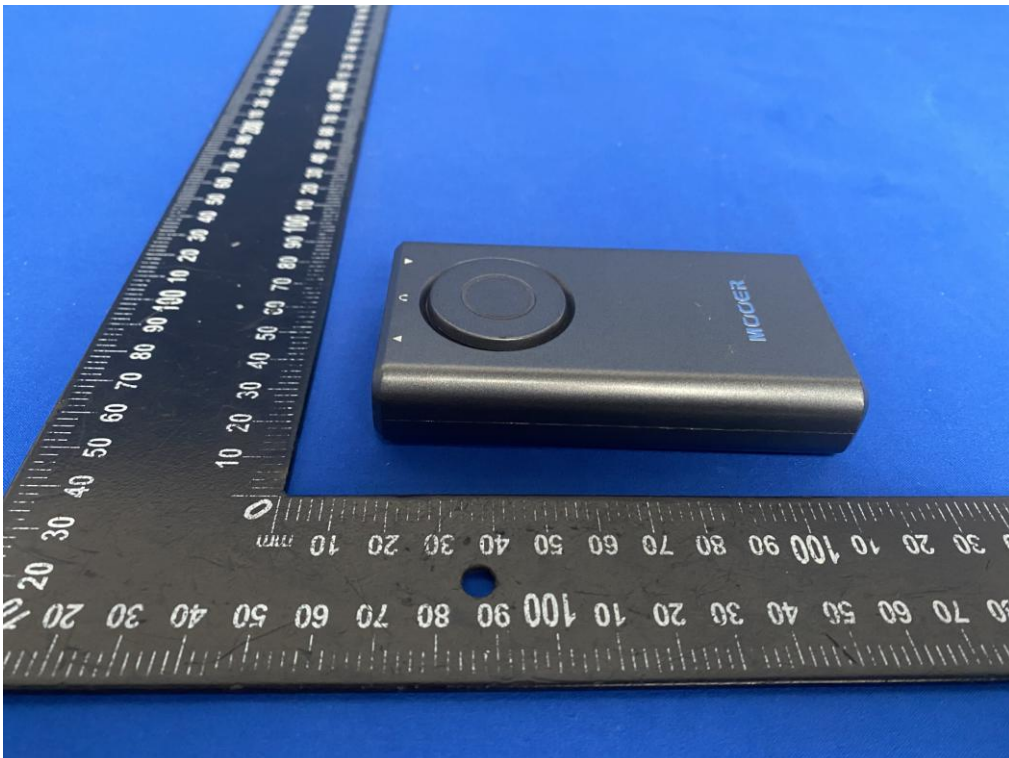
10.2.Photos of Conducted Emission test

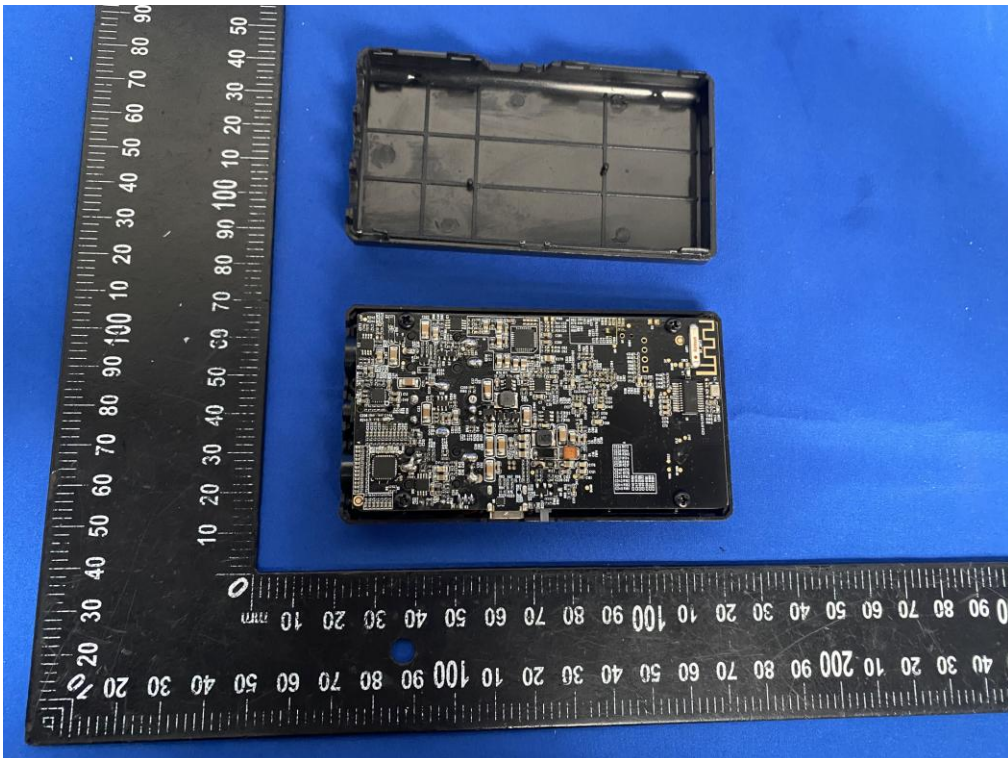
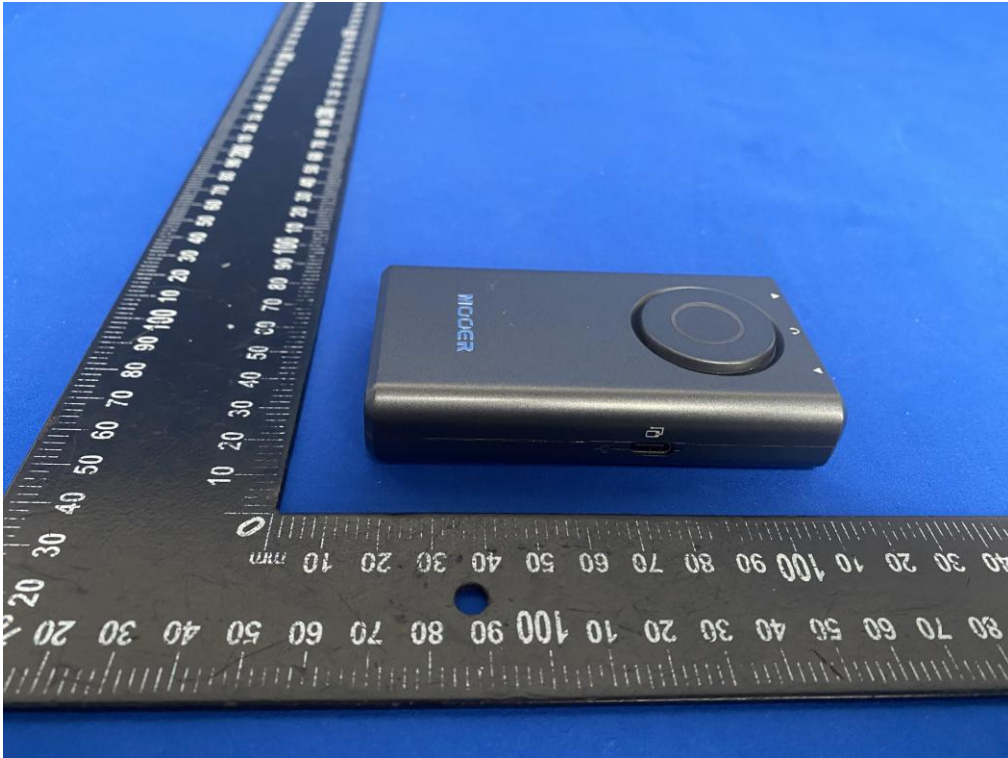


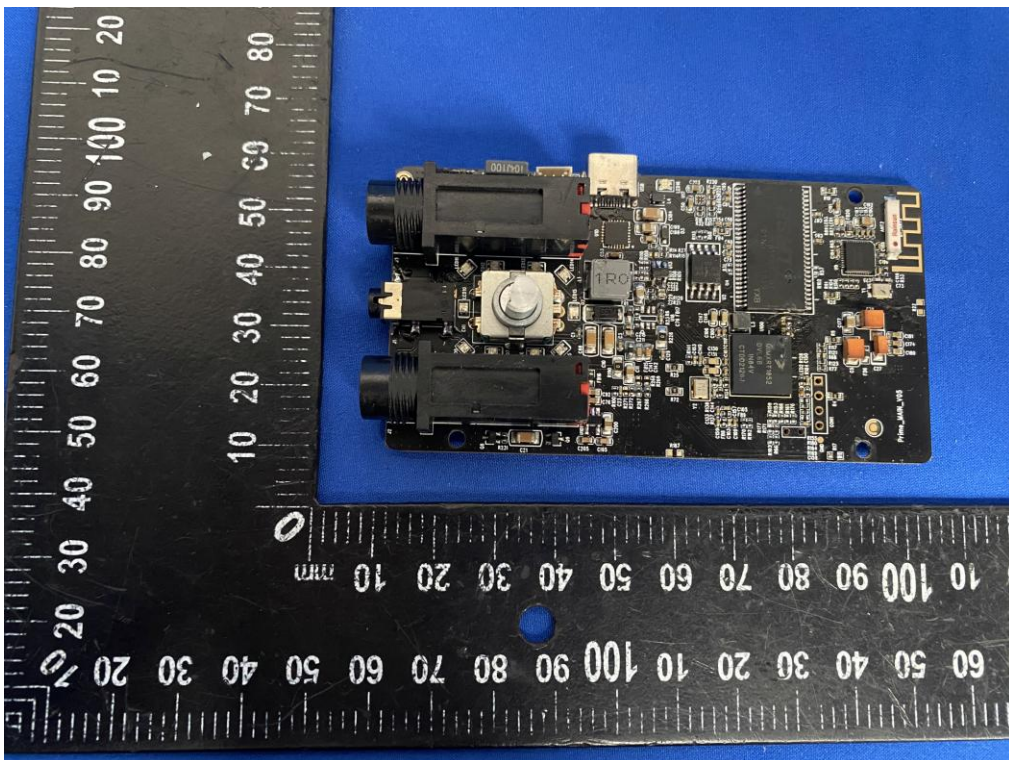
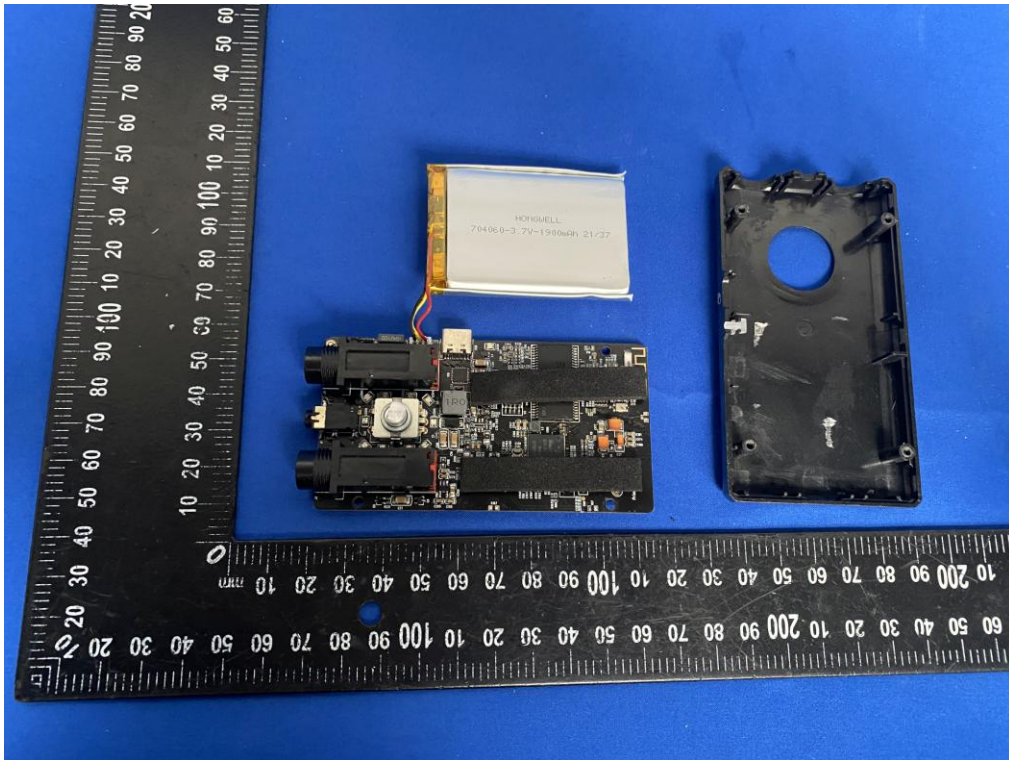
11.EUT Photo

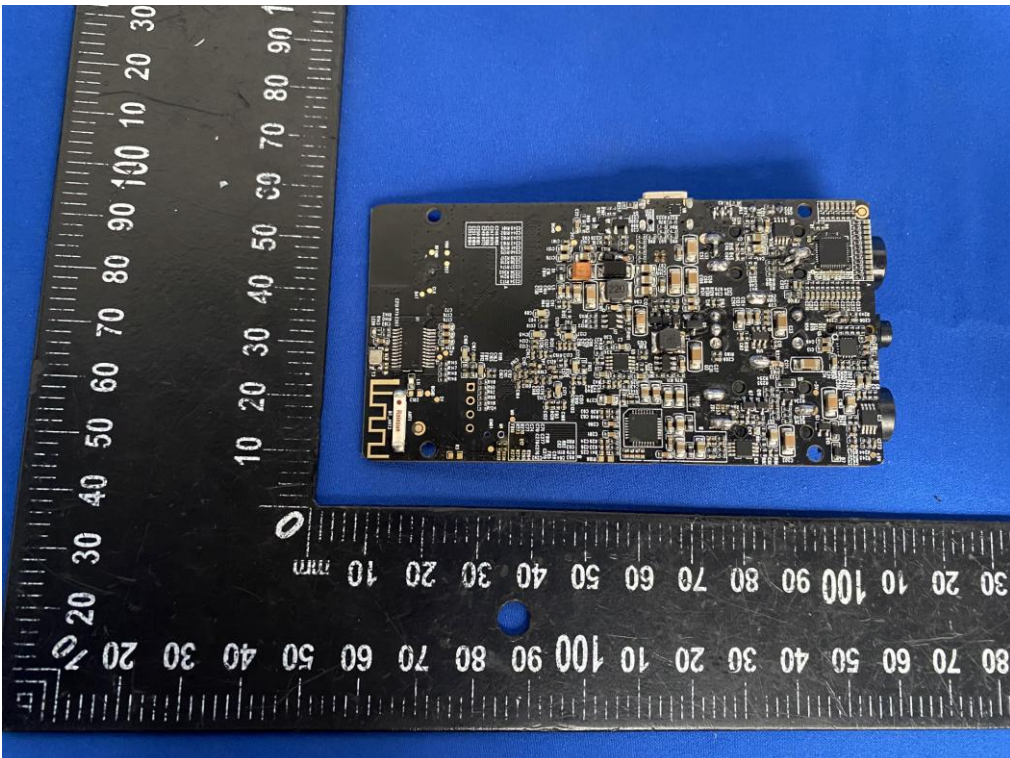
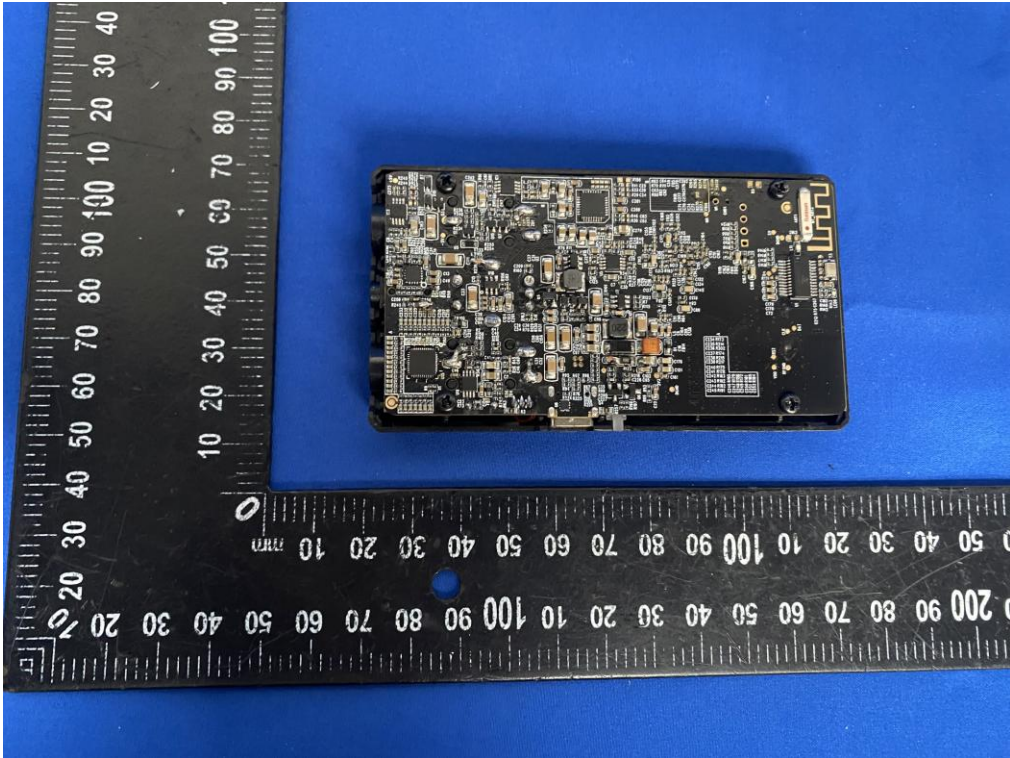


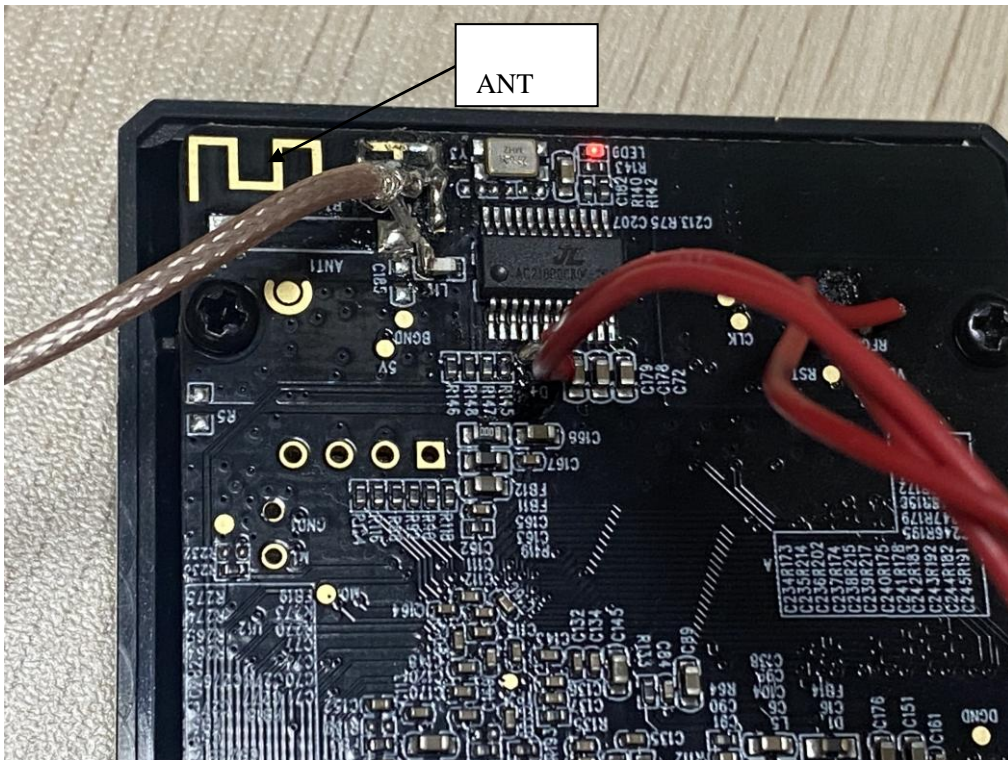
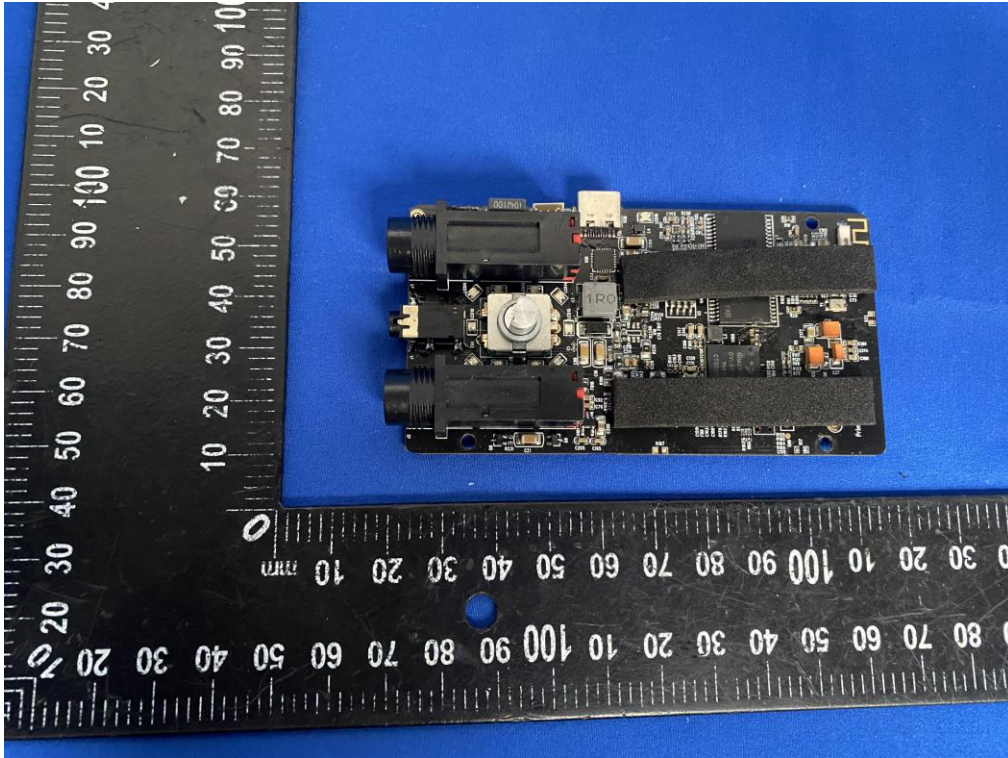














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