



TEST REPORT

Report No.: **HST201703-1316-FCC**

Sample Description....: **Wireless In-Ear Monitor System**

Model.....: **IEMTXN**

Assessment Category...: **Entrusted**

Applicant.....: **CAD Audio, LLC**

Guangdong Huesent Testing & Inspection Technology Co., Ltd.



TEST REPORT

Sample Description	Wireless In-Ear Monitor System	Trademark	CAD
Model	IEMTXN	Specification	DC12-18V, 300mA
Assessment Category	Entrusted	Sample Quantity	1
Applicant:	CAD Audio, LLC	Sample Status	Normal
Sample Received Date	Mar. 10, 2017	Test Date	Mar. 10 to Mar. 30, 2017
Issue Date	Mar. 31, 2017		
Manufacturer	CAD Audio, LLC		
Address	6573 Cochran Rd., Bldg I Solon Ohio United States 44139		
Factory	CAD Audio, LLC		
Address	6573 Cochran Rd., Bldg I Solon Ohio United States 44139		
Test address	No.91, Dongguan Zhuang Road, Guangzhou, China		
Test Items	Listed on page 4		
Test standard	FCC Part 74.861e: 2016		
Test Conclusion	The results conform to the requirements of standards with respect to the test items.		
Remarks	FCCID: OQ5IEMTXN		
Tested by : Lemon Fu	Sign: <i>Lemon Fu</i>		
Reviewed by: Sandy Yu	Sign: <i>Sandy Yu</i>		
Approved by: Robin Peng	Sign: <i>Robin Peng</i>		

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1 Test Summary

Test	Test Requirement	Standard Paragraph	Result
Conducted Emissions at Mains Terminals	FCC PART 15.207	In FCC PART 15.207	PASS
Carrier Radiated Power	FCC Part 2.1046	74.861 e) 1) 54–72, 76–88 & 174–216 MHz bands, 50 mW 470–608 and 614–806 MHz bands, 250 mW	PASS
Modulation Deviation	FCC Part 2.1047	74.861 e) 3) Within 75kHz	PASS
Frequency Stability	FCC Part 2.1055	74.861 e) 4) <0.005% 50 ppm	PASS
Operating Bandwidth	FCC Part 2.1049 c)	74.861 e) 5) Within 200kHz	PASS
Unwanted Radiation	FCC Part 2.1049 c)	74.861 e) 6) within the mask	PASS
Necessary bandwidth	ETSI EN 300 422-1	74.861 e) 7) within the mask in ETSI EN 300 422-1	PASS
Radiated Spurious Emission	FCC Part 2.1053	74.861 d) 3) < 43+10lgP(W) dB	PASS

Remark:

♣The EUT has one channel, which is located in the range 520.000 MHz to 538.950 MHz.

Only test result of sample of in channels 520.0 MHz, 526.3 MHz and 538.95 MHz were recorded in this report.

Channel list:

CH	MHz
1	520.000
2	521.050
3	522.300
4	523.000
5	523.750
6	524.550
7	525.450
8	526.300
9	527.300
10	528.500
11	529.900
12	531.900
13	533.800
14	535.100
15	536.600
16	538.950

2 General Information

2.1 Details of E.U.T.

Power Supply:	DC12-18V, 300mA, power supplied by AC/DC adapter, adapter model: YHY-12000500, manufactory: Shenzhen Yinghuiyuan Electronics Co., Ltd. P/N: WL12006-W, Input: AC100-240V, 50/60Hz, 0.2A, Output: DC12V0.5A.
Main Function:	Wireless microphone system with an associated receiver for transmitting voice.
Oscillating Frequency:	10MHz@X301, 38kHz@TX1.
Port:	Two AF input ports, BNC Antenna port, Phone port (with a 110cm phone input cable).

The final amplifier Collector Voltage and Collector Current are 2V & 3.5mA respectively.

Necessary Bandwidth: $2M+2DK=2 \times 34 \text{ kHz} + 2 \times 10\text{kHz} \times 1.0 = 88 \text{ kHz}$,
max value@10kHz, and there is an input attenuation at the phone port. Max input: +20dBV=10V.

16 channel for each microphone host; Modulation: F3E; Antenna Type: strip antenna with BNC port; Gained: 2.15 dBi; length: strip 25cm+connector 1cm, total length: 26cm.

Frequency Response: 40Hz – 16kHz

2.2 Description of Support Units

Connect the EUT to mains power, and then test the EUT with signal generator.

2.3 Standards Applicable for Testing

The standard used was FCC Part 74.861e: 2016

The EUT belongs to licensed low power auxiliary devices.

2.4 Test Location

I-Test Laboratory

F/1-2, South Block, A2 building, No.3 Ke Yan Lu Guangzhou Science City, Guangzhou, China

Tel: 00862032209330

Email: lbz@i-testlab.com

CNAS(Lab code:L4957) FCC (Registration No.:935596) IC (Registration NO.:8368A)

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.

3 Test Results

3.1 Conducted Emissions Mains Terminals, 150 kHz to 30MHz

Test Requirement: FCC Part 15 B
 Test Method: ANSI C63.4: 2014
 Class / Severity: Class B
 Detector: Peak for pre-scan (9kHz Resolution Bandwidth)
 Quasi-Peak if maximised peak within 6dB of Quasi-Peak limit

3.1.1 E.U.T. Operation

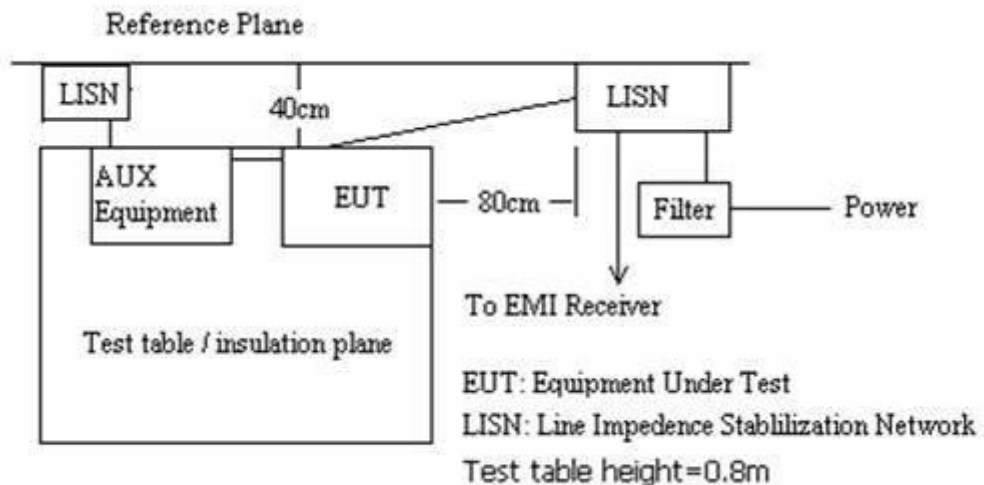
Operating Environment:

Temperature: 20.0°C Humidity:50% RH Atmospheric Pressure: 1020mBar

EUT Operation:

1. Connect the EUT via an adapter in 120VAC/60Hz.
2. Test the EUT work normally in operating mode during the whole test.

3.1.2 Plan View of Test Setup

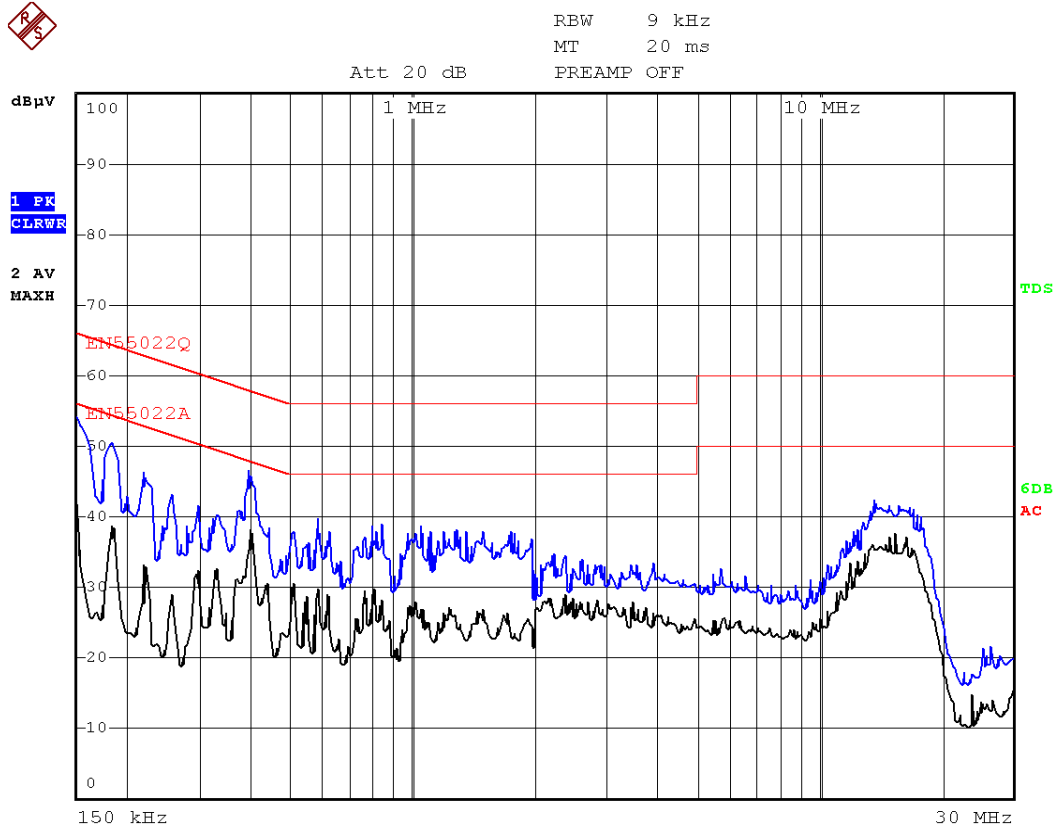


3.1.3 Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized emission were detected when Peak measurement level is over Average Limit.

Live Line

Peak Scan



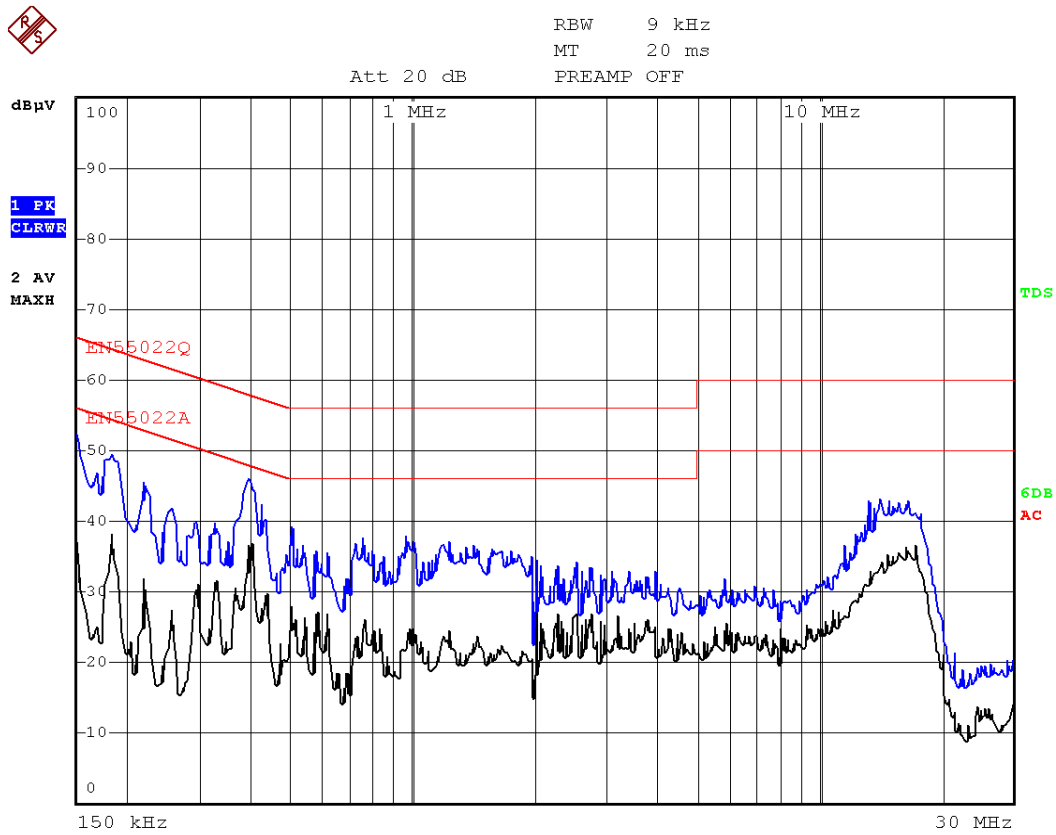
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Quasi-peak and Average measurement

Freq. (MHz)	Line	Cable Loss (dB)	LISN factor (dB)	QP (dBµV)	QP limit (dBµV)	Margin (dB)	AV (dBµV)	AV limit (dBµV)	Margin (dB)
0.150	Live	0.1	0.1	50.8	66.0	-15.2	37.9	56.0	-18.1
0.177	Live	0.1	0.1	47.2	64.6	-17.4	38.5	54.6	-16.1
0.500	Live	0.1	0.1	36.4	56	-19.6	30.5	46	-15.5
1.120	Live	0.1	0.1	37.2	56	-18.8	27.8	46	-22.2
13.82	Live	0.2	0.2	39.3	60	-20.7	36.0	50	-14.0
16.85	Live	0.2	0.3	39.2	60	-20.8	36.8	50	-13.2

Neutral Line

Peak Scan



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Quasi-peak and Average measurement

Freq. (MHz)	Line	Cable Loss (dB)	LISN factor (dB)	QP (dBµV)	QP limit (dBµV)	Margin (dB)	AV (dBµV)	AV limit (dBµV)	Margin (dB)
0.150	Neutral	0.1	0.1	48.5	66.0	-17.5	37.4	56.0	-18.6
0.177	Neutral	0.1	0.1	47.6	64.6	-17.0	38.2	54.6	-16.4
0.534	Neutral	0.1	0.1	37.4	56	-18.6	27.5	46	-18.5
0.965	Neutral	0.1	0.1	36.2	56	-19.8	24.8	46	-21.2
13.86	Neutral	0.2	0.2	39.5	60	-20.5	33.0	50	-17.0
16.04	Neutral	0.2	0.3	40.2	60	-19.8	35.2	50	-14.8

3.2 E.U.T. Operation Condition

Operating Environment:

Temperature: 20.0 °C~25 °C

Humidity: 50 ~70% RH

Atmospheric Pressure: 980~1012 mbar

EUT Operation: Test the EUT in transmitting mode.

Performed Carrier Radiated Power & Radiated Spurious Emissions testing in highest/ middle / lowest frequency spots within the range, and performed Occupied Bandwidth, Frequency Stability & Modulation Characteristics in middle frequency spot.

3.3 Test Procedure & Measurement Data

3.3.1 Carrier Radiated Power & Radiated Spurious Emissions

Test Requirement: FCC CFR 47 Part 74.861 e) 1) & d) 3)

Test Method: EIA/TIA 603-D:2010 section 2.2,
FCC CFR 47 Part 2.1047 & 1053

Measurement Distance: 3m (Semi-Anechoic Chamber)

Test Requirement:

(d) For low power auxiliary stations operating in the bands other than those allocated for TV broadcasting, the following technical requirements are imposed.

(3) The occupied bandwidth shall not be greater than that necessary for satisfactory transmission and, in any event, an emission appearing on any discrete frequency outside the authorized band shall be attenuated, at least, $43+10 \log^{10}$ (mean output power, in watts) dB below the mean output power of the transmitting unit.

(e) For low power auxiliary stations operating in the bands allocated for TV broadcasting, the following technical requirements apply:

(1) The power of the measured unmodulated carrier power at the output of the transmitter power amplifier (antenna input power) may not exceed the following:

(i) 54–72, 76–88, and 174–216 MHz bands—50 mW

(ii) 470–608 and 614–806 MHz bands—250 mW

Test Procedure:

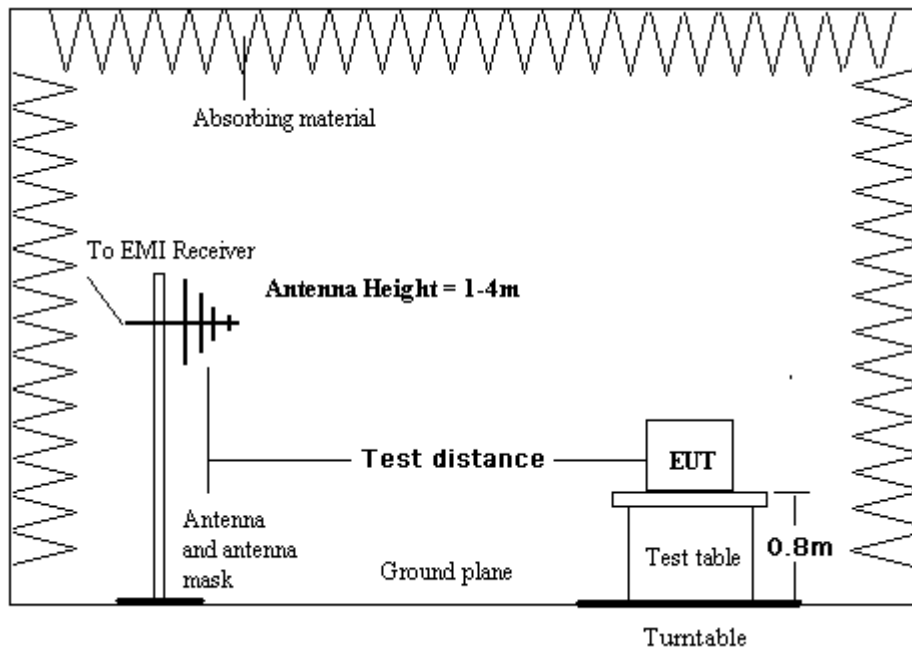
The procedure used was EIA/TIA 603-D:2010. The receiver was scanned from the lowest radio frequency generated in the equipment to the tenth harmonic of the carrier. When an emission was found, the table was rotated to produce the maximum signal strength. An initial pre-scan was performed for in peak detection mode using the receiver. The EUT was measured for both the Horizontal and Vertical polarities and performed a pre-test three orthogonal planes.

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

An initial pre-scan was performed in the 3m chamber using the spectrum analyzer in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bilog antenna with 2 orthogonal polarities

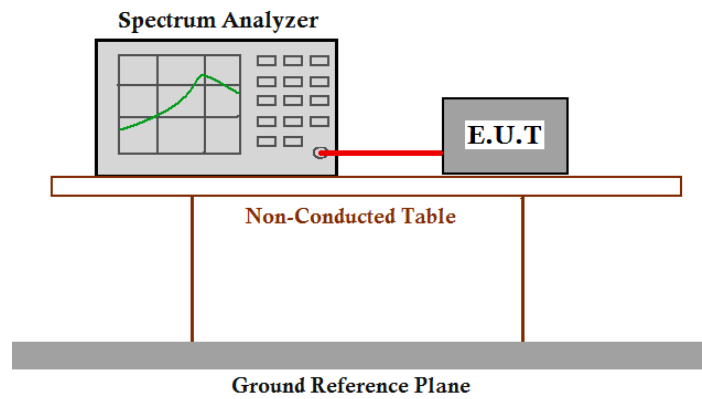
Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the Carrier Radiated Power and spurious emissions were measured by the substitution.



Conducted output power:

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

Set the spectrum analyzer: RBW = 300 kHz. VBW \geq RBW. Span=2MHz, Sweep = auto; Detector Function = Peak (Max. hold).



Carrier Frequency (MHz)	Reading Value conducted output power dBm	Cable loss (dB)	True Value conducted output power dBm (mW)	Limit in 74.861 e) 1)
520.000	-9.3dBm	0.5	-8.8dBm(i.e.0.132 mW)	24 dBm (i.e. 250 mW)
526.300	-9.3dBm	0.5	-8.9dBm(i.e.0.129 mW)	
538.950	-9.4dBm	0.5	-8.9dBm(i.e 0.129 mW)	

Note:

Conducted output power (dBm)= Reading Value (dBm)+ Cable loss(dB)

Radiated spurious emissions:

520.000 MHz, Horizontal							
Spurious Emission Frequency (MHz)	Read value (dBm)	Cable Loss (dB)	Antenna Factor (dB)	1-18GHz Pre-amplifier (dB)	Ture value (dBm)	Limit/ dBm	Margin(dB)
Fundamental: 520.0	-35.1	2.9	19.3	0	-12.9	24	-36.9
2420.0	-32.4	6.5	27.9	30	-28.0	-13	-15.0
4680.0	-34.2	9.4	33.2	30	-21.6	-13	-8.6
520.000 MHz, Vertical							
Fundamental: 520.0	-34.8	2.9	19.3	0	-12.6	24	-36.6
4680.0	-33.9	9.4	33.2	30	-21.3	-13	-8.3
526.300, Horizontal							
Fundamental: 526.3	-35.5	2.9	19.3	0	-13.3	24	-37.3
2419.0	-32.5	6.5	27.9	30	-28.1	-13	-15.1
4740.0	-34.5	9.5	33.3	30	-21.7	-13	-8.7
526.300, Vertical							
Fundamental: 526.35	-34.9	2.9	19.3	0	-12.7	24	-36.7
4740.0	-34.2	9.5	33.3	30	-21.4	-13	-8.4

538.950 MHz, Horizontal							
Fundamental: 539.0	-35.3	2.9	19.3	0	-13.1	24	-37.1
2419.0	-33.8	6.5	27.9	30	-29.4	-13	-16.4
4850.0	-26.9	6.5	28.0	30	-22.4	-13	-9.4
538.950 MHz, Vertical							
Fundamental: 539.0	-35.0	2.9	19.3	0	-12.8	24	-36.8
4850.0	-26.5	6.5	28.0	30	-22.0	-13	-9.0

Note:

The Factual Level is ERP value.

Limit = -13 dBm, and the Fundamental limit = 24 dBm (i.e. 250 mW)

30dB pre-amplifier factor is used for the radiated emissions test above 1GHz.

Attenuation Factor includes the cable loss and the antenna factor, 30dB pre-amplifier factor.

Below 1GHz: Attenuation Factor (dB)= cable loss (dB)+ antenna factor(dB)

Above 1GHz: Attenuation Factor (dB)= cable loss (dB)+ antenna factor(dB) – 30 (dB)

Ture Value (dBm) = Reading Value (dBm)+ Attenuation Factor (dB)

The peak emission of other frequency in rang from 30MHz up to 10 times carrier were 25dB lower than the limit, hence no data was recorded in the report.

NA: Not applicable, since the level is over 30dB lower than the limit.

Below 1GHz, Detector=Peak, RBW=120kHz, VBW=60kHz, MT=1ms, Unit=dBm.

Above 1GHz, Detector=Peak, RBW=1MHz, VBW=500kHz, MT=1ms, Unit=dBm.

TEST RESULTS: The unit does meet the FCC requirements.

3.3.2 Occupied Bandwidth

Test Requirement: FCC CFR 47 Part 74.e) 5) & 6)

Test Method: FCC CFR 47 Part 2.1049 f) 2)

Requirements:

(e) For low power auxiliary stations operating in the bands allocated for TV broadcasting, the following technical requirements apply:

(5) The operating bandwidth shall not exceed 200 kHz.

(6) The mean power of emissions shall be attenuated below the mean output power of the transmitter in accordance with the following schedule:

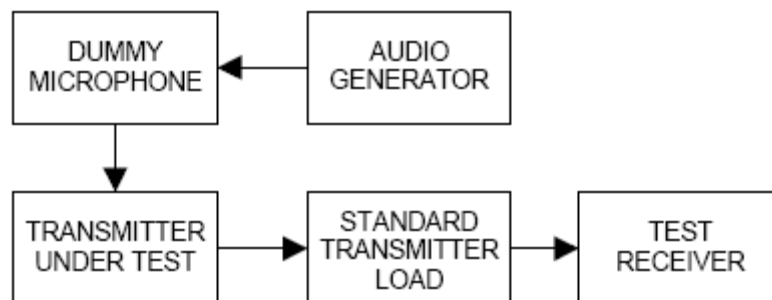
(i) On any frequency removed from the operating frequency by more than 50 percent up to and including 100 percent of the authorized bandwidth: at least 25dB;

(ii) On any frequency removed from the operating frequency by more than 100 percent up to and including 250 percent of the authorized bandwidth: at least 35dB;

(iii) On any frequency removed from the operating frequency by more than 250 percent of the authorized bandwidth: at least $43+10\log_{10}$ (mean output power in watts) dB.

Test Procedure

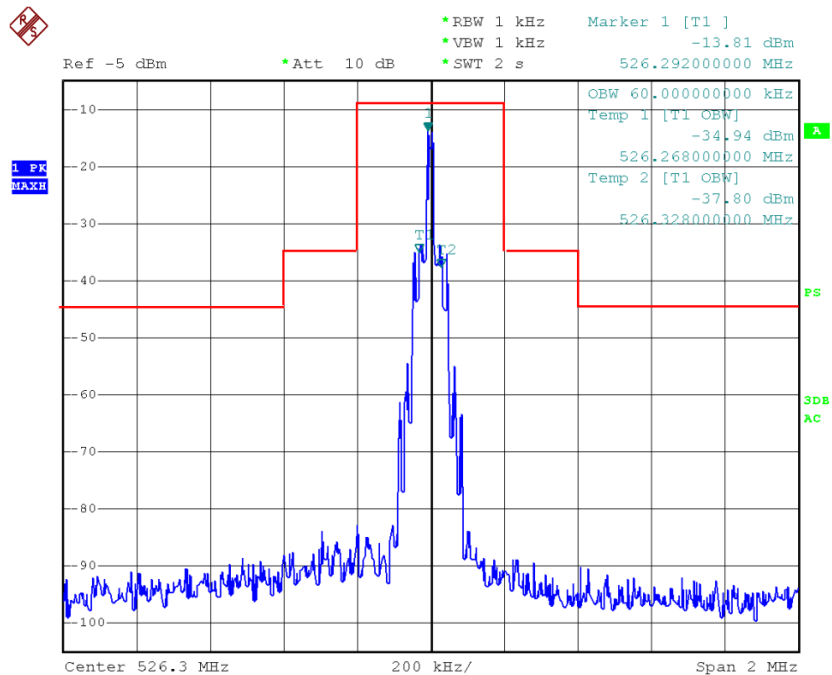
Setup



Input 2500Hz signal to the microphone, find the 50% rated deviation, add the level 16dB, test this status the 99% occupied bandwidth and record it.

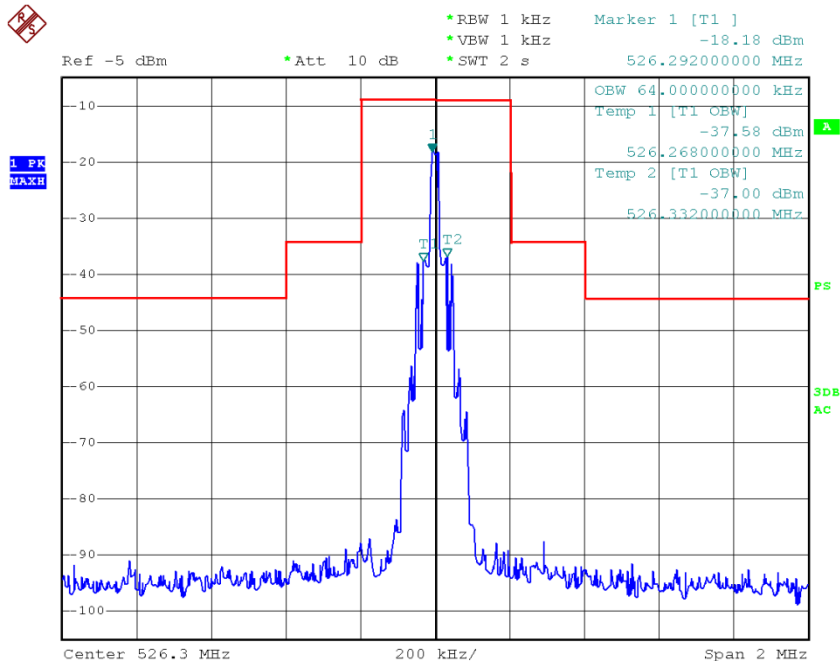
Test Result: The graph as below, represents the emissions take for this device.

Occupied Bandwidth (99% of total power): 60.0 kHz.



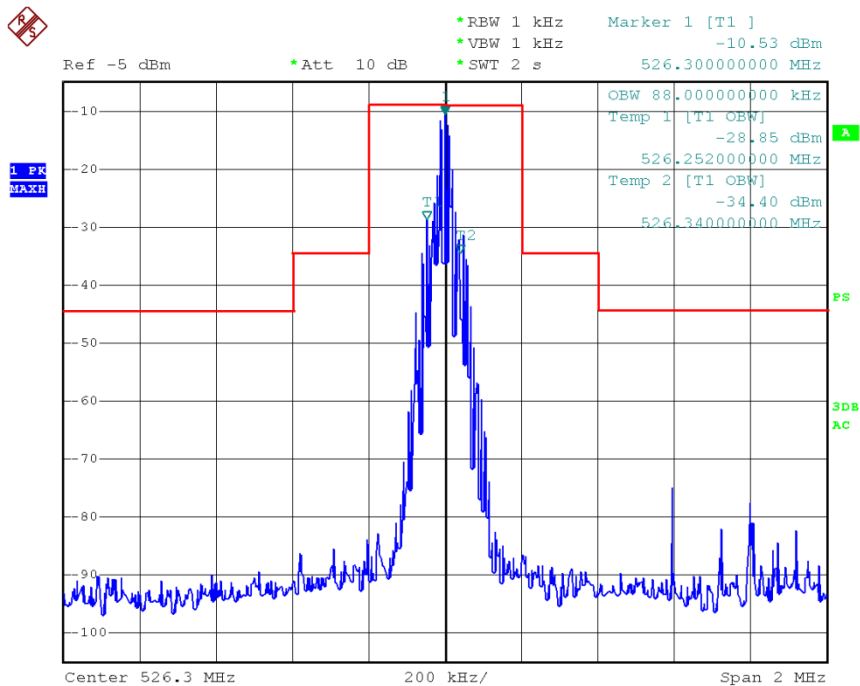
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Emission Mask: input with 2500 Hz AF, 50% modulation + 16dB.



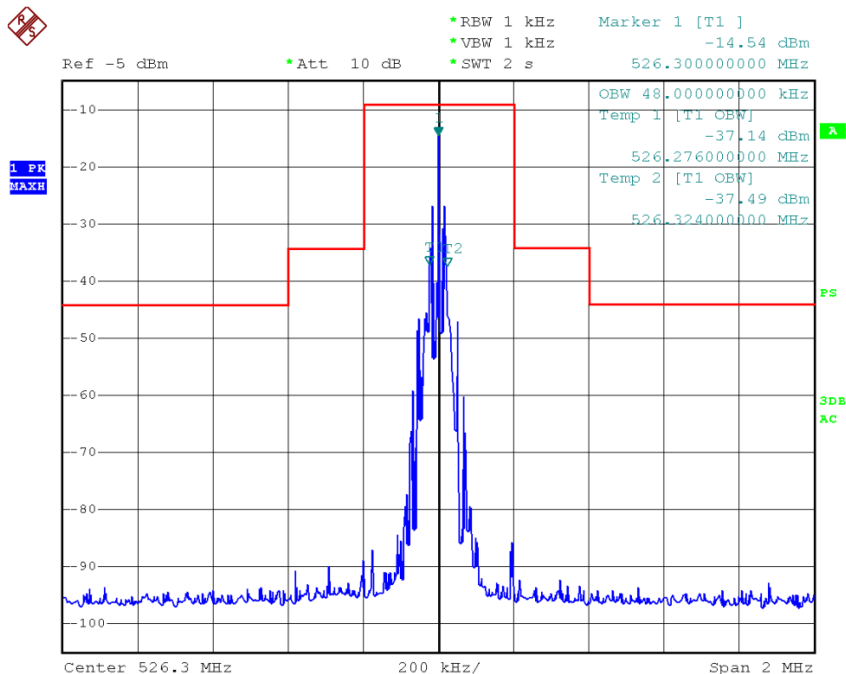
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Emission Mask: input with 10 kHz AF, 50% modulation + 16dB.



Date: 17.MAR.2017 11:50:48

Emission Mask: input with 15 kHz AF, 50% modulation + 16dB.



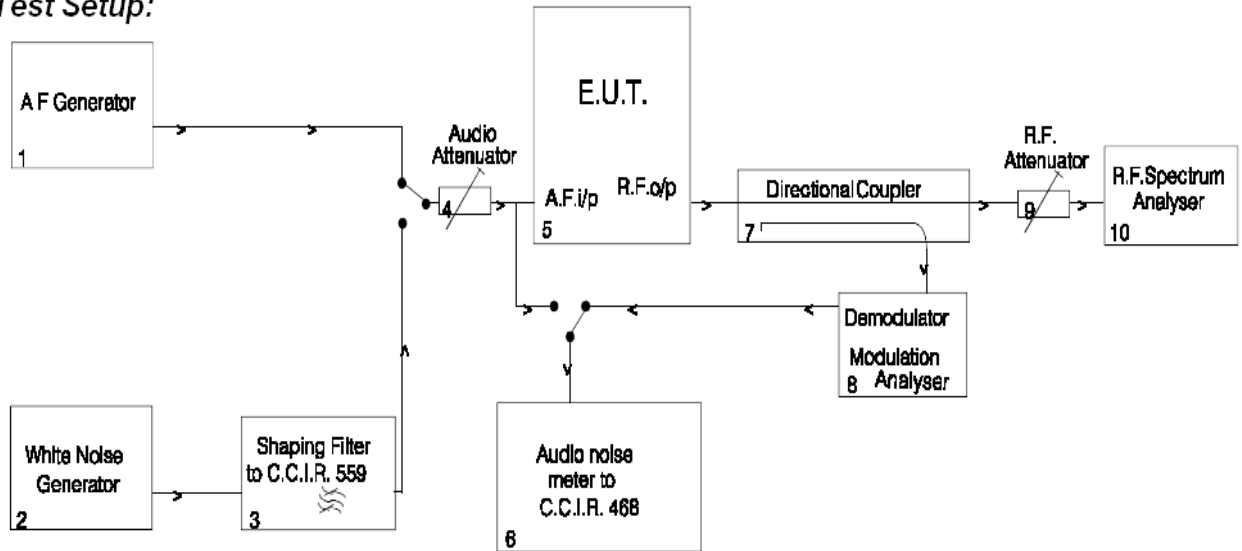
Date: 17.MAR.2017 11:49:50

Test results: The unit does meet the FCC requirements.

3.3.3 Necessary bandwidth

Test Setup: As ETSI EN 300 422-1 V1.5.1 Annex B

Test Setup:



Minimum requirement: ETSI EN 300 422-1 V1.5.1 Subclass 8.3.1.2 Limits:

The transmitter output spectrum shall be within the mask defined in figure 3 where B is the declared channel bandwidth 200kHz.

Test Procedure: ETSI EN 300 422-1 V 1.5.1 Subclass 8.3.1.1 The audio input limiting threshold is 5 mV.

Test Results

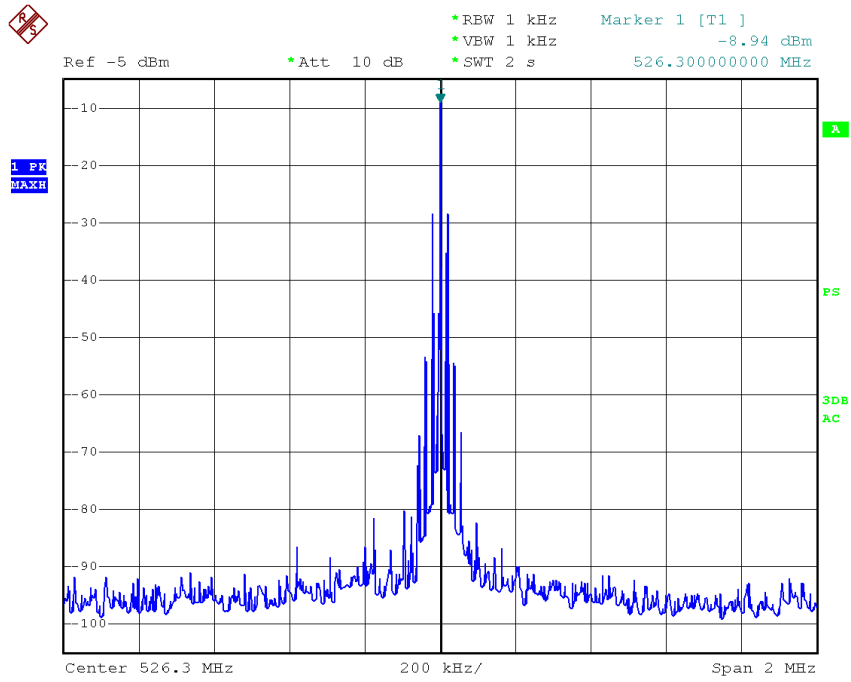
The channel bandwidth has been tested to be 200 KHz

Centre carrier frequency measured to be 526.300 MHz

Uncertainty: 4.2%

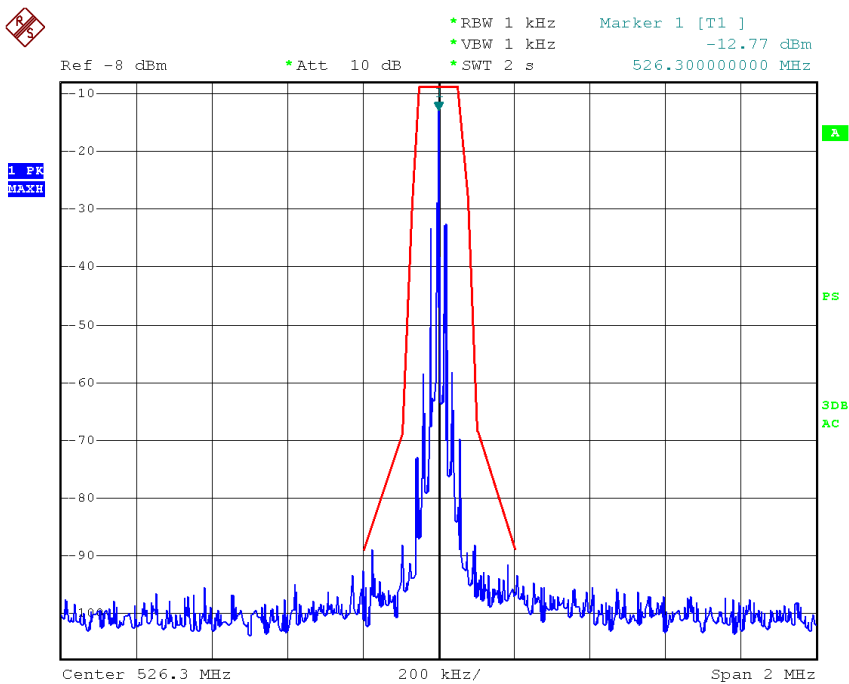
Frq. Spot	Measured Amplitude (dBc)	Freq Limit (MHz)	Amplitude (relative to unmodulated carrier)	Pass /Fail
Fc - 0.35B	< -30 dBc	526.23000	-20dB	PASS
Fc + 0.35B	< -30 dBc	526.37000	-20dB	PASS
Fc - 0.5B	-77.5dBc	526.20000	-60dB	PASS
Fc + 0.5B	-76.2dBc	526.40000	-60dB	PASS
Fc - B	-82.2dBc	526.10000	-80dB	PASS
Fc + B	-81.1dBc	526.50000	-80dB	PASS
Fc - 1MHz	-90.5dBc	525.30000	-90dB*	PASS
Fc + 1MHz	-90.3dBc	527.30000	-90dB*	PASS

*: The average detector can be used in the frequency spot.



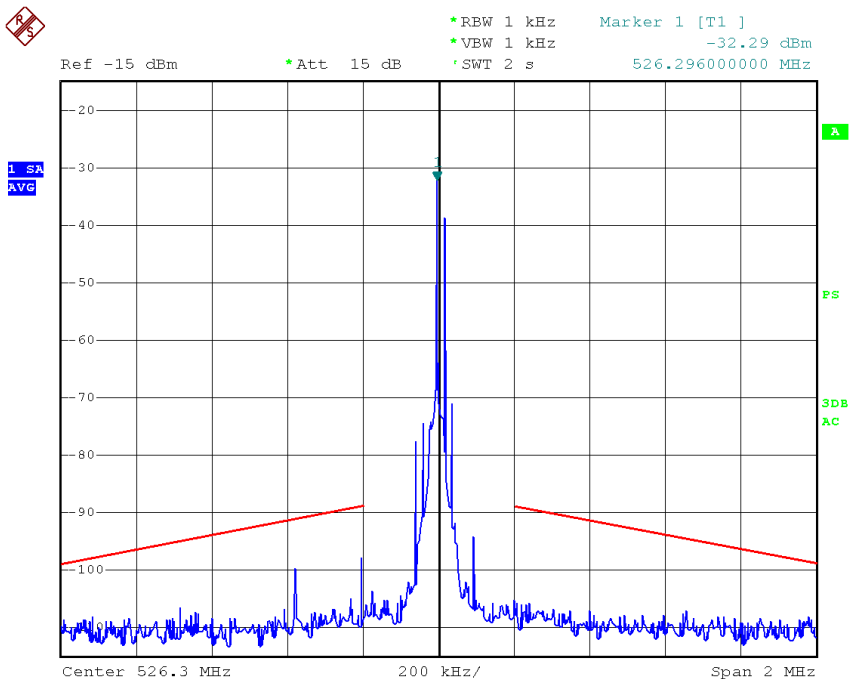
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The carrier without modulation



Date: 17.APR.2017 06:25:26

The Peak figure with modulation



Date: 17.APR.2017 06:27:09

The Average figure with modulation

3.3.4 Frequency Stability

Test Requirement: FCC CFR 47 Part 74.e) 4)

Test Method: FCC CFR 47 Part 2.1055

Requirements: +/-50 ppm

(e) For low power auxiliary stations operating in the bands allocated for TV broadcasting, the following technical requirements apply:

(4) The frequency tolerance of the transmitter shall be 0.005 percent.

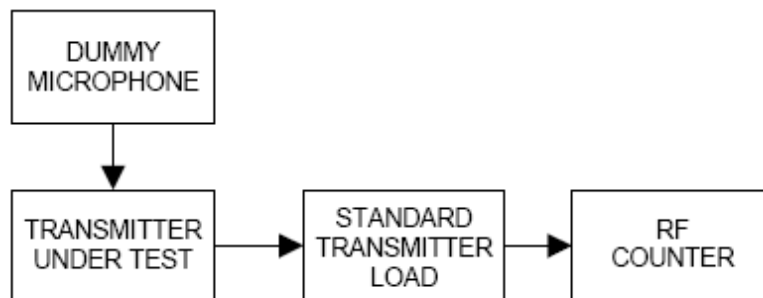
Test Procedure:

Frequency stability versus Environmental Temperature

The equipment under test was connected to an external DC power supply and the RF output was connected to a frequency counter via feed through attenuators. The EUT was placed inside the temperature chamber. After the temperature stabilized for approximately 20 minutes, the frequency of the output signal was recorded from the counter.

Frequency Stability versus Input Voltage

At room temperature ($25 \pm 5^\circ\text{C}$), an external variable DC power supply was connected to the EUT. The frequency of the transmitter was measured for 115%, 100% and 85% of the nominal operating input voltage. For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.



Test Result:

Assigned Frequency: 520.0 MHz/ 526.3 MHz/ 538.95 MHz					
Environment Temperature (°C)	Power Supplied (Vac)		Frequency Measure with Time Elapsed Total emission within		
			+/-26.0kHz	+/-26.3kHz	+/-26.9kHz
50	120.0		-9.3	-9.0	-8.4
40	120.0		10.4	11.5	10.2
30	120.0		12.5	11.7	10.8
20	120.0		-7.3	-9.4	-9.2
10	120.0		-10.8	-7.5	-8.1
0	120.0		13.7	14.2	12.3
-10	120.0		-10.5	-10.2	-15.6
-20	120.0		-15.3	-15.5	-16.1
-30	120.0		-17.9	-17.2	-16.3
Environment Temperature (°C)	Power Supplied		Frequency Measure with Time Elapsed Total emission within		
	%	(Vac)	+/-26.0kHz	+/-26.3kHz	+/-26.9kHz
25	85	102	-11.3	-10.2	-14.5
25	95	114	1.4	1.4	2.7
25	105	126	4.8	3.3	10.2
25	115	138	-11.9	-14.5	-13.6

The results: The unit does meet the FCC requirements.

3.3.5 Modulation Characteristics

Test Requirement: FCC CFR 47 Part 74.e) 3)

Test Method: FCC CFR 47 Part 2.1047

Requirements:

(e) For low power auxiliary stations operating in the bands allocated for TV broadcasting, the following technical requirements apply:

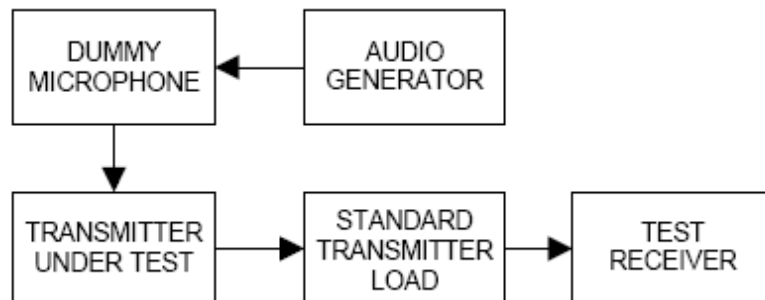
(3) Any form of modulation may be used. A maximum deviation of ± 75 kHz is permitted when frequency modulation is employed.

Test Procedure:

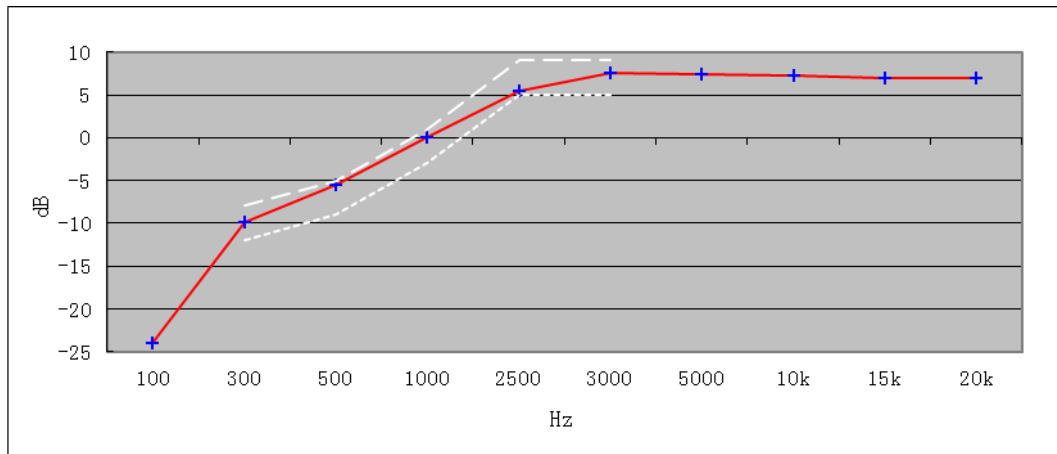
Audio Frequency Response

The RF output of the transceiver was connected to the input of FSP 30 with FM deviation module through sufficient attenuation so as not to overload the meter or distort the reading. An audio signal generator was connected to the audio input of microphone.

The audio signal input level was adjusted to obtain **20% of the maximum rated system deviation at 1 kHz**, and recorded as DEV_{REF} . With the audio signal generator level unchanged, set the generator frequency between 100 to 5000 Hz. The transmitter deviations (DEV_{FREQ}) were measured and the audio frequency response was calculated as $20\log_{10} [DEV_{FREQ} / DEV_{REF}]$



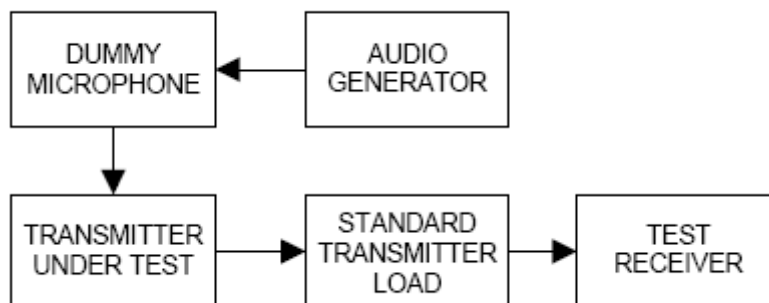
The plot(s) of Audio Frequency Response is presented hereinafter as reference.



0dB=10mV at 1kHz (20% of the maximum rated system deviation).

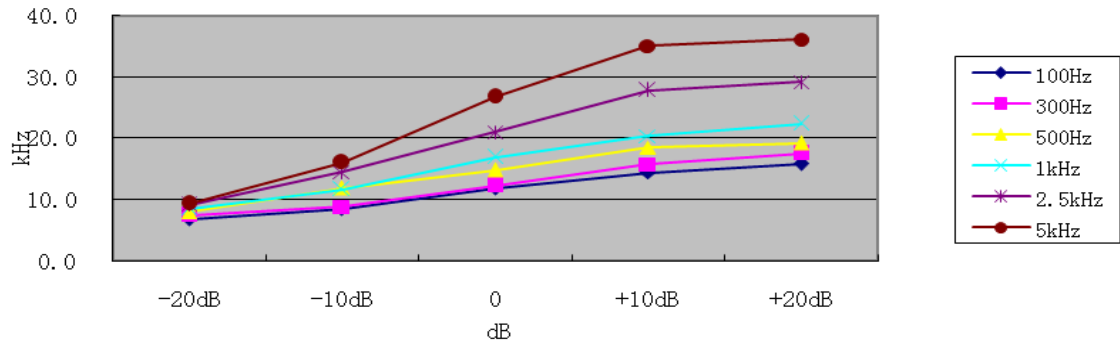
Modulation Limiting

- a) Adjust the transmitter per the manufacturer's procedure for full rated system deviation.
- b) Set the test receiver to measure peak positive deviation. Set the audio bandwidth for ≤ 0.25 Hz to $\geq 15,000$ Hz. Turn the de-emphasis function off.
- c) Apply a **1000 Hz** modulating signal to the transmitter from the audio frequency generator, and adjust the level to obtain **60% of full rated system deviation**.
- d) Increase the level from the audio frequency generator by 20 dB in one step (rise time between the 10% and 90% points shall be 0.1 second maximum).
- e) Measure both the instantaneous and steady-state deviation at and after the time of increasing the audio input level.
- f) With the level from the audio frequency generator held constant at the level obtained in step e), slowly vary the audio frequency from 100 to 5000 Hz and observe the steady-state deviation. Record the maximum deviation.



Test at five different modulating frequencies (100Hz ,300Hz, 500Hz, 1KHz, 2.5kHz, 5kHz), the output level of the audio generator was varied up to 1V and the FM deviation level was recorded.

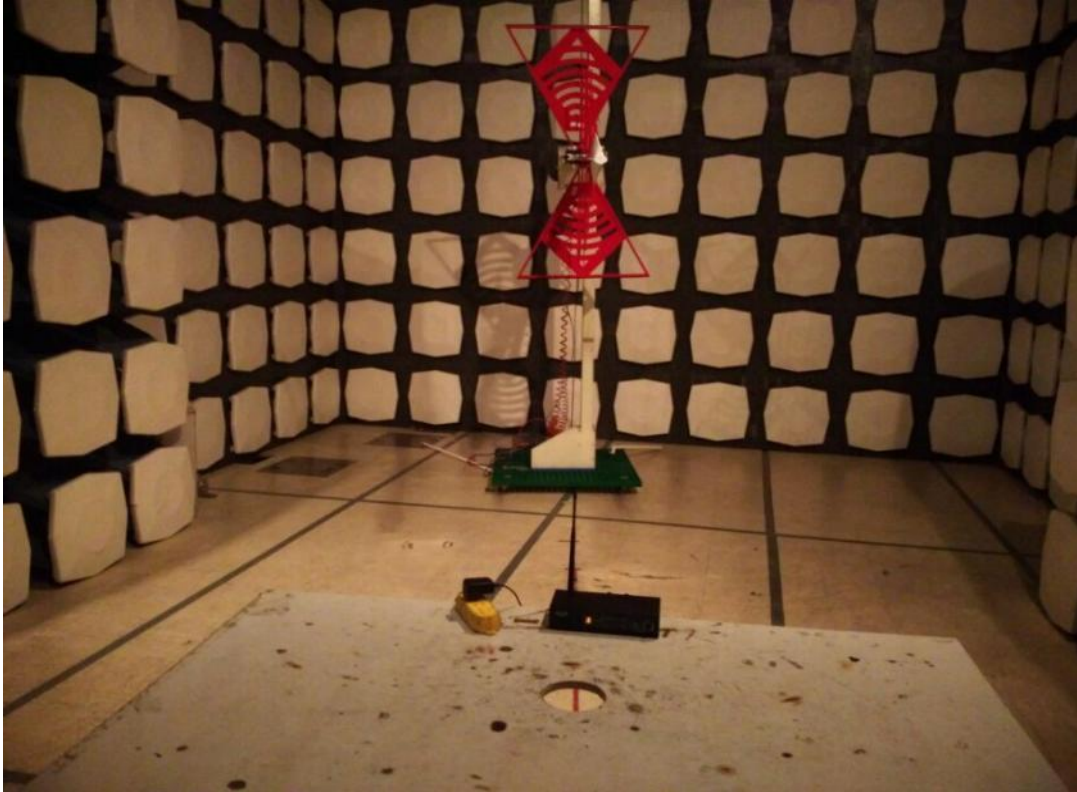
Positive peak deviation



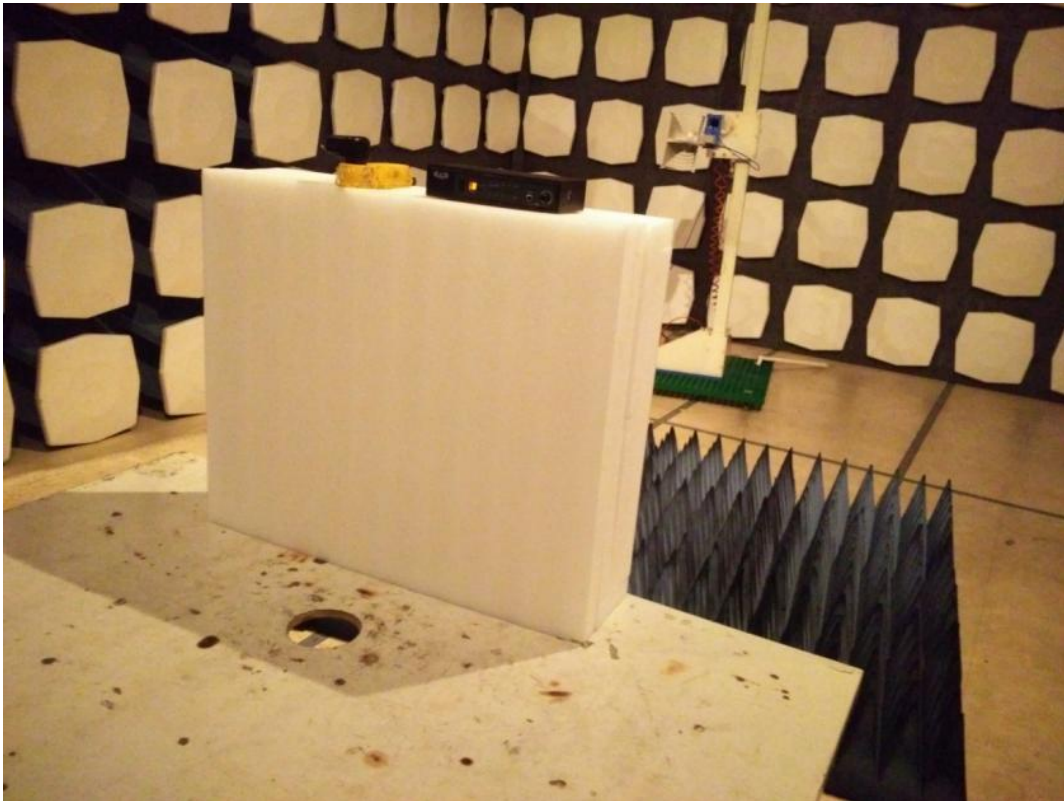
3.4 Photographs

3.4.1 Radiated Emission Test Setup

30MHz - 1GHz

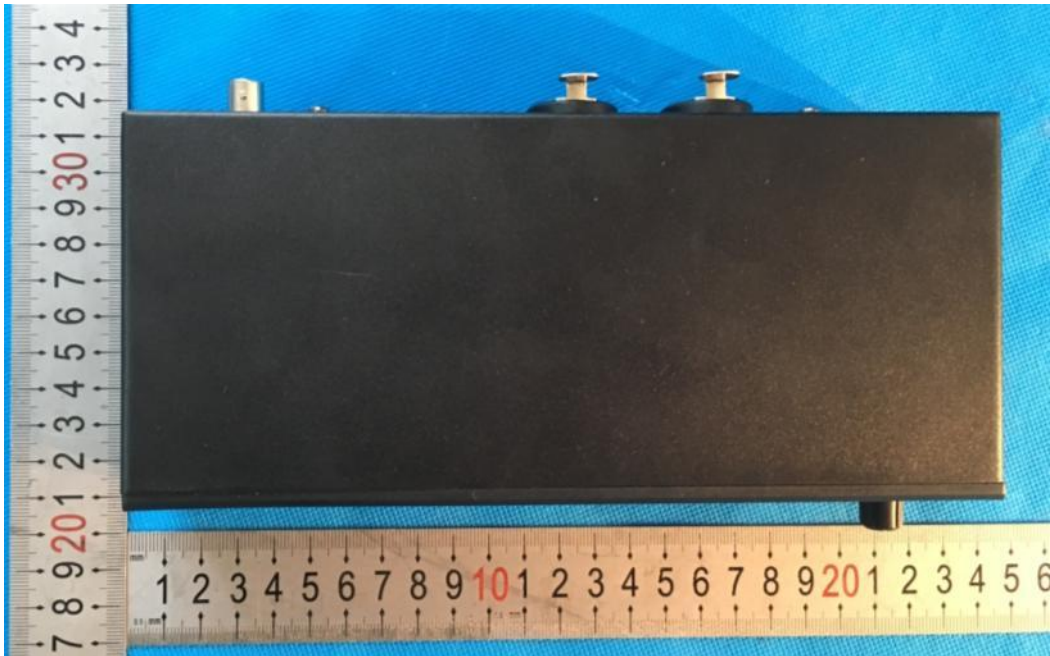
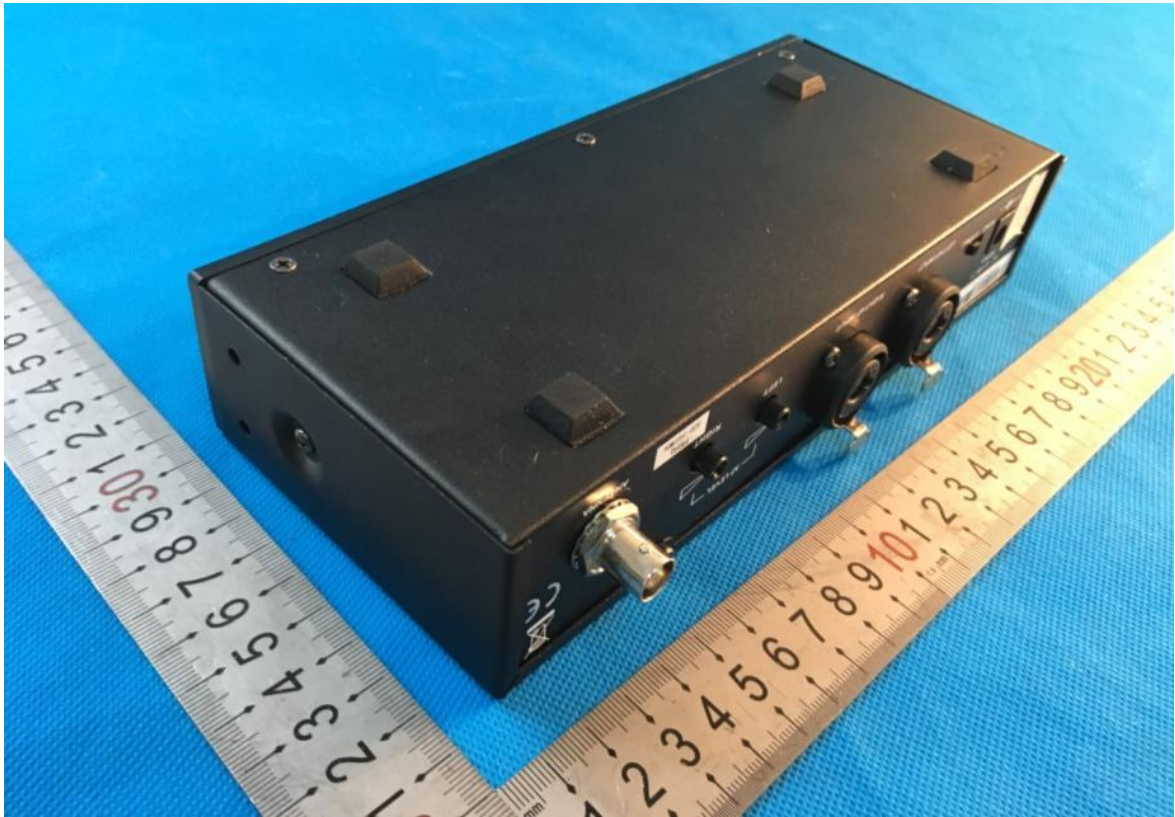


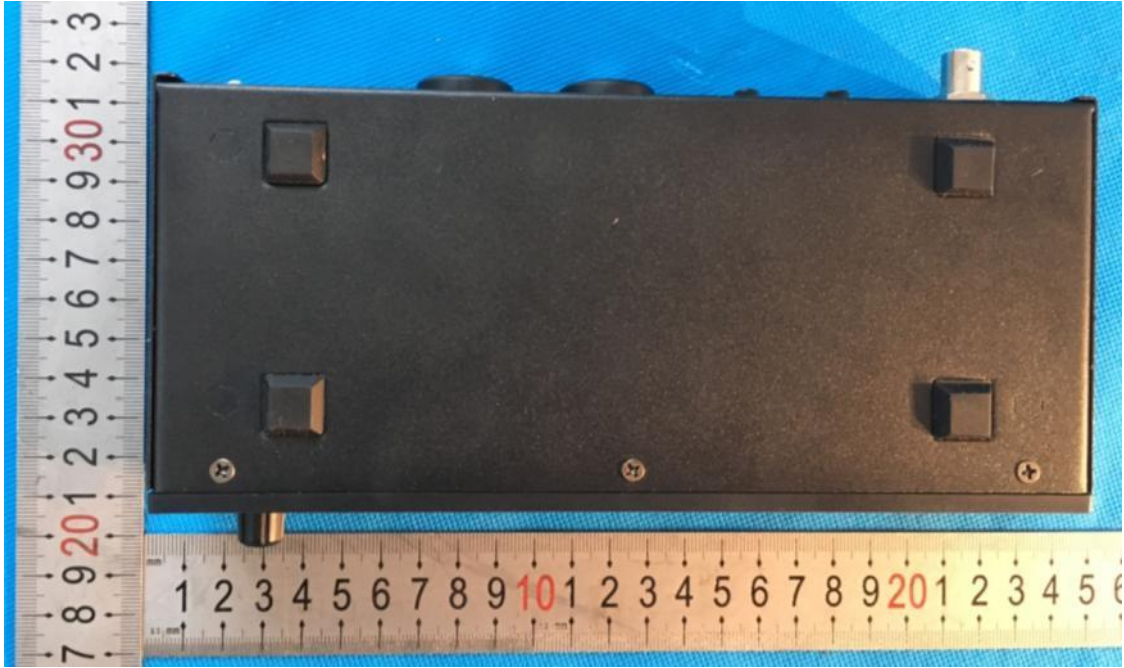
Above 1GHz

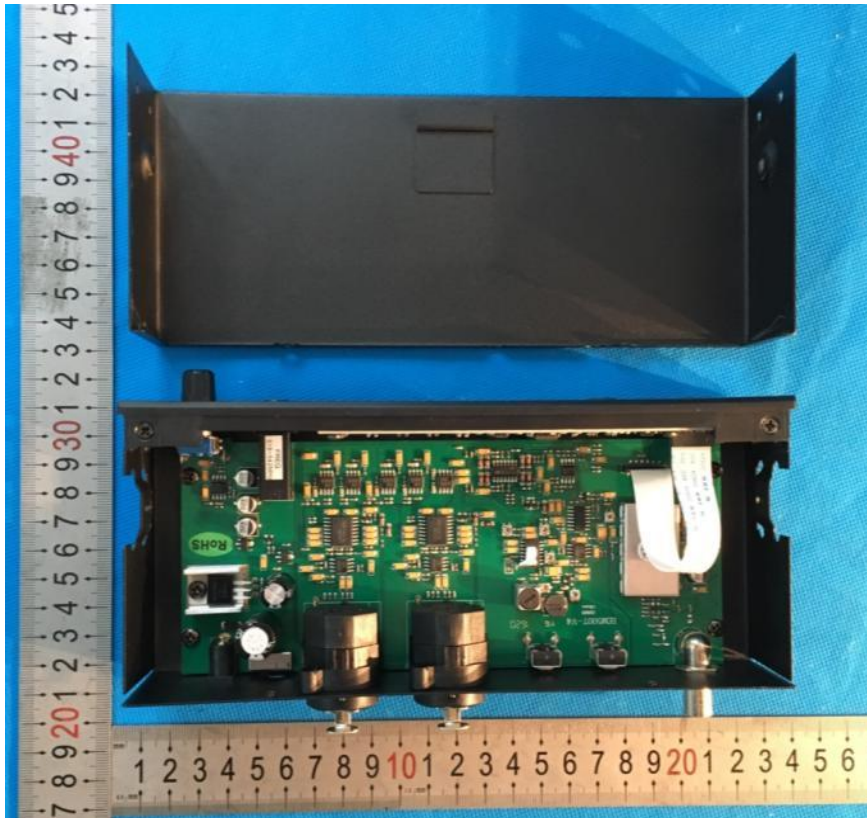
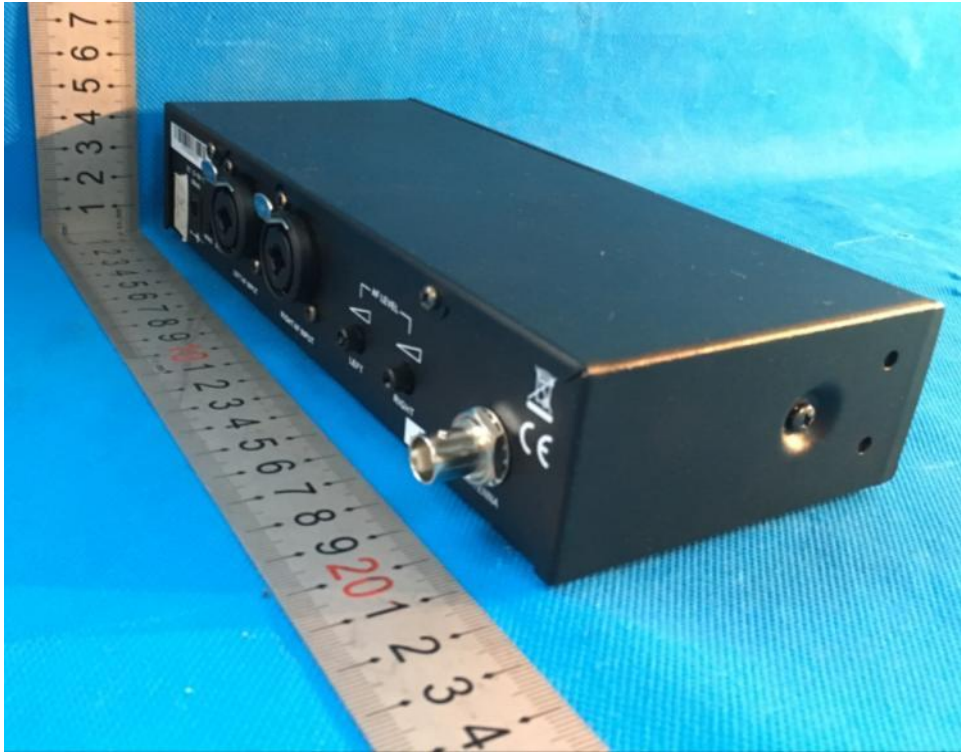


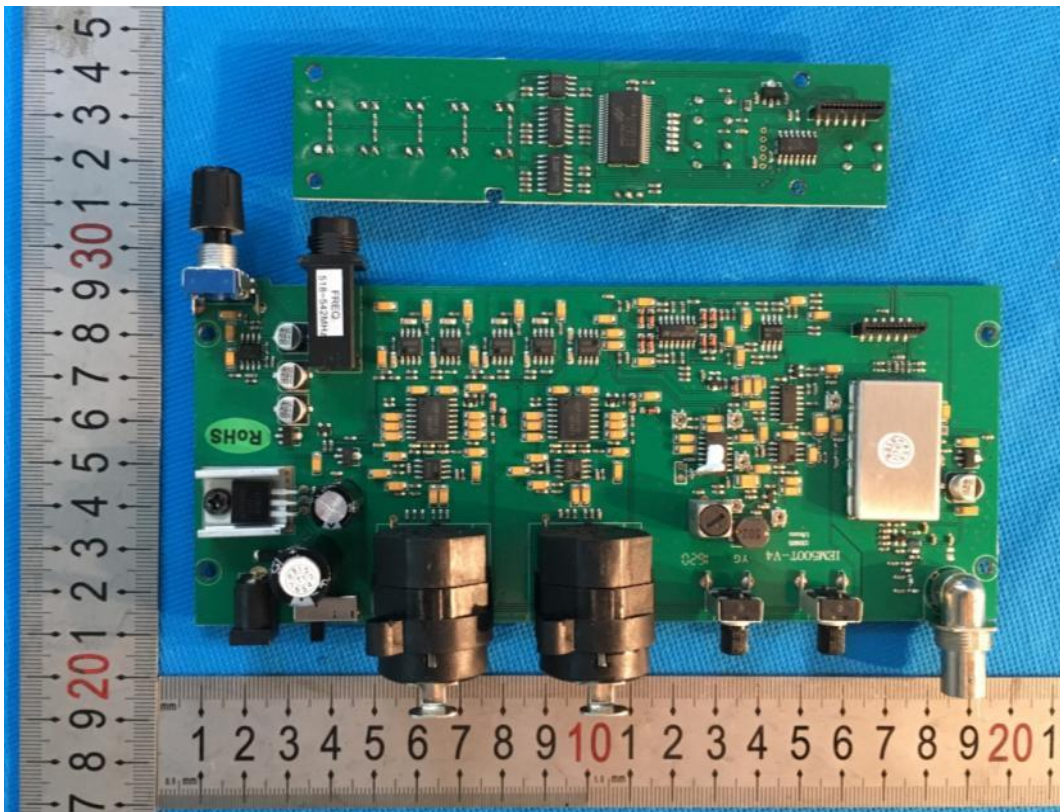
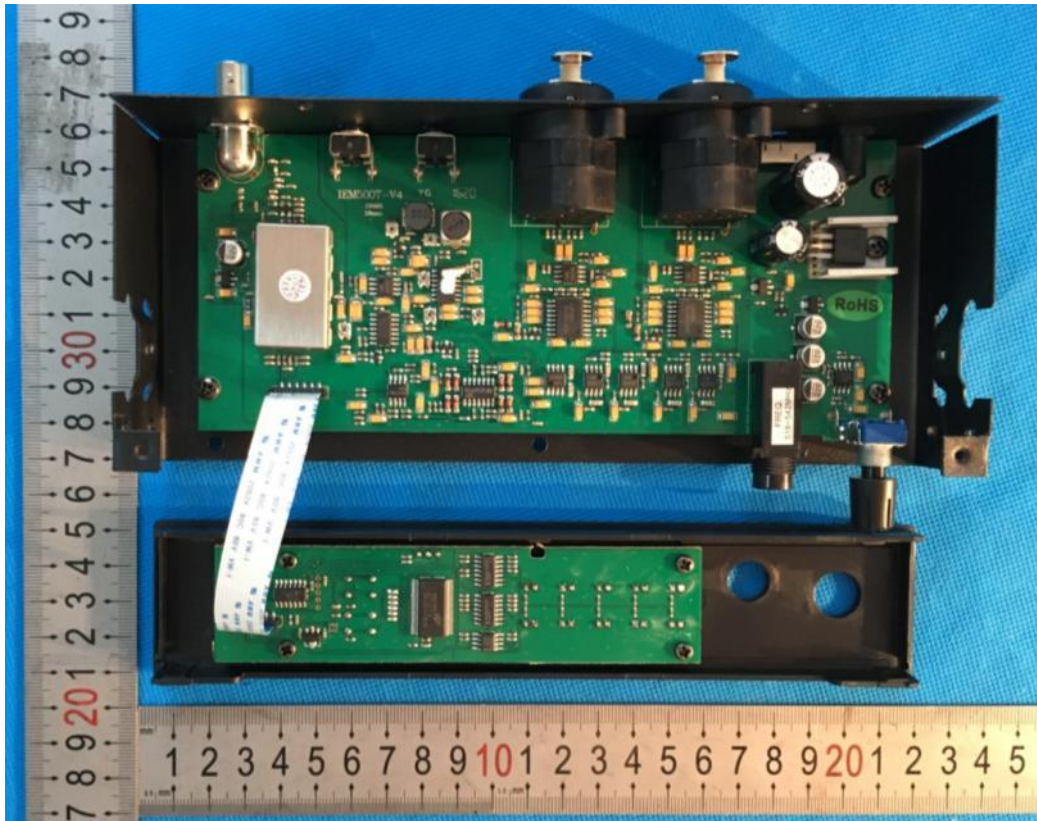
3.5 EUT Constructional Details

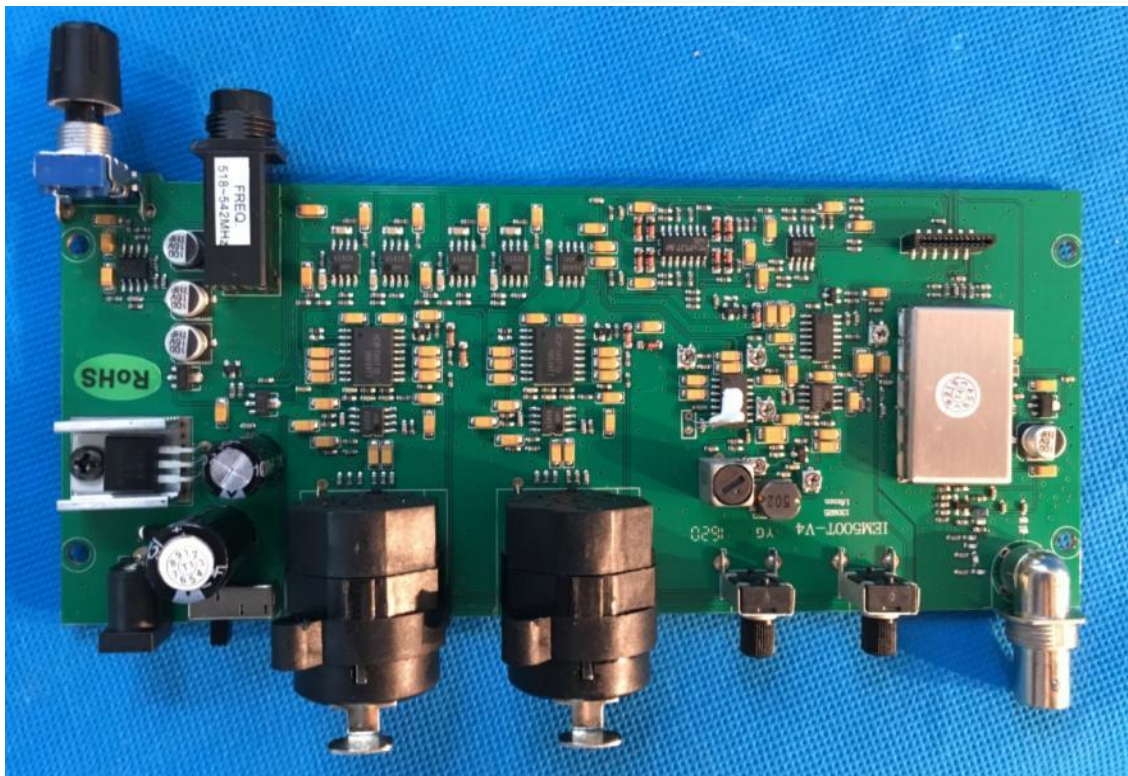
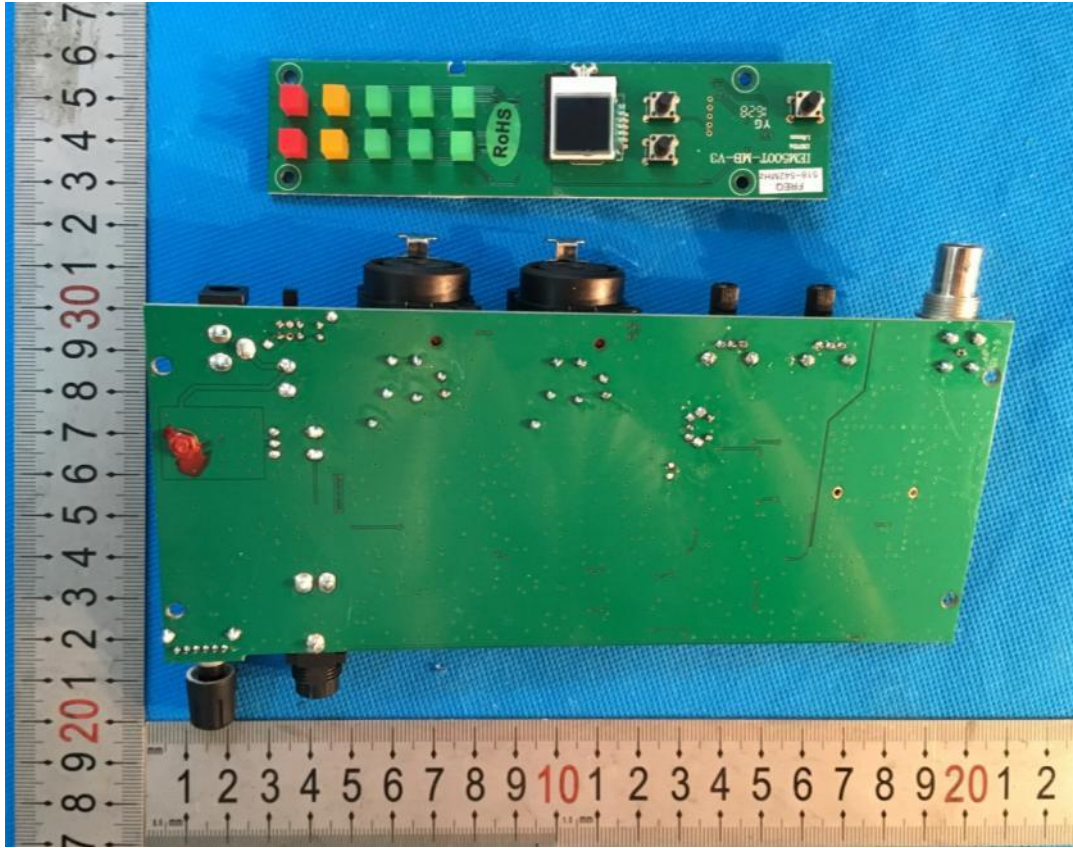


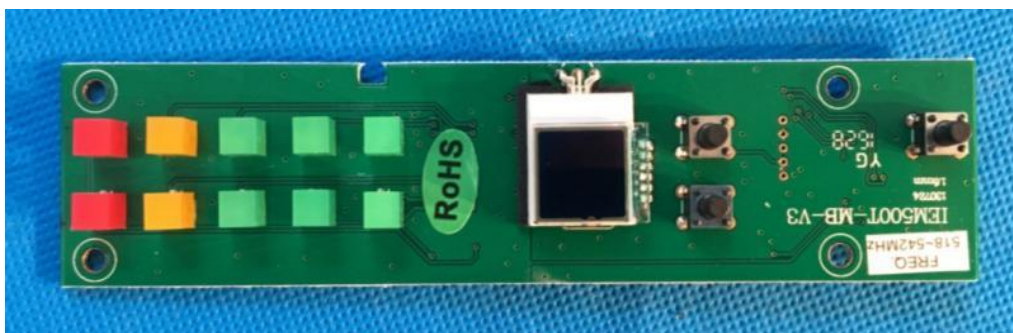
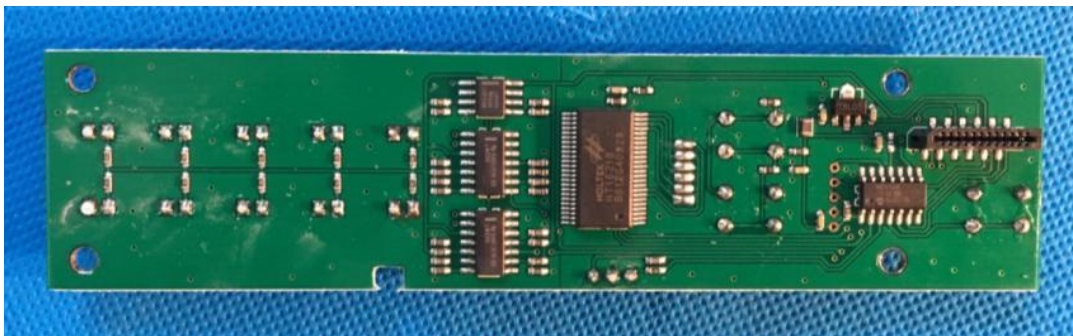
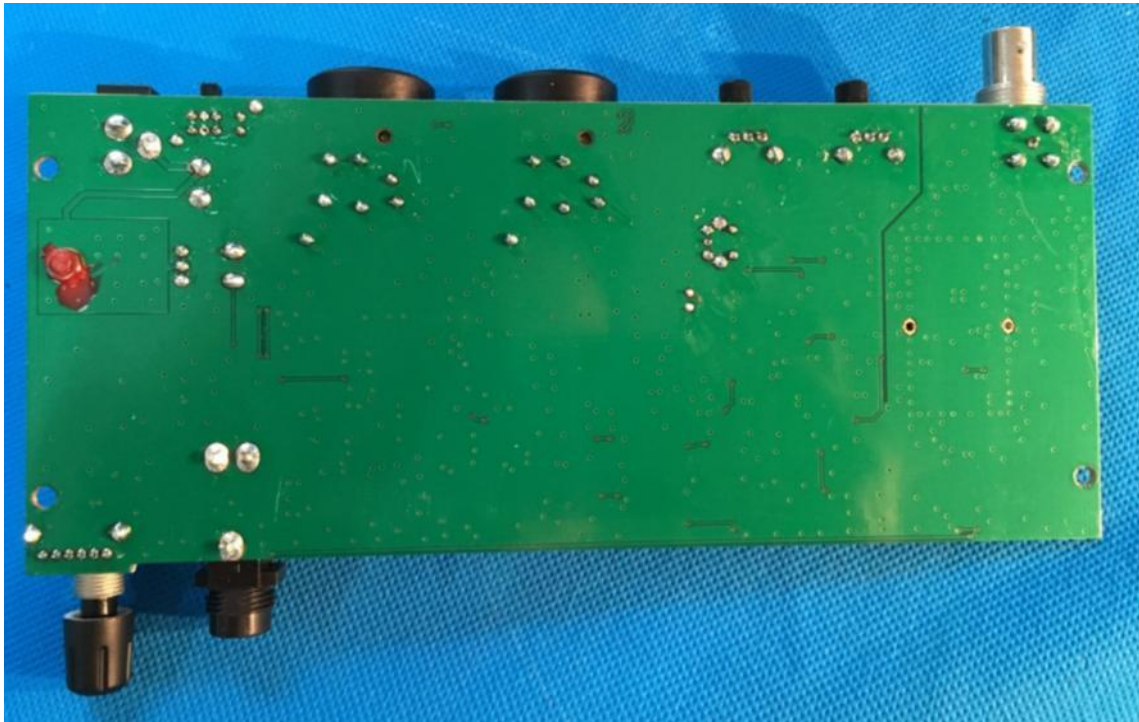


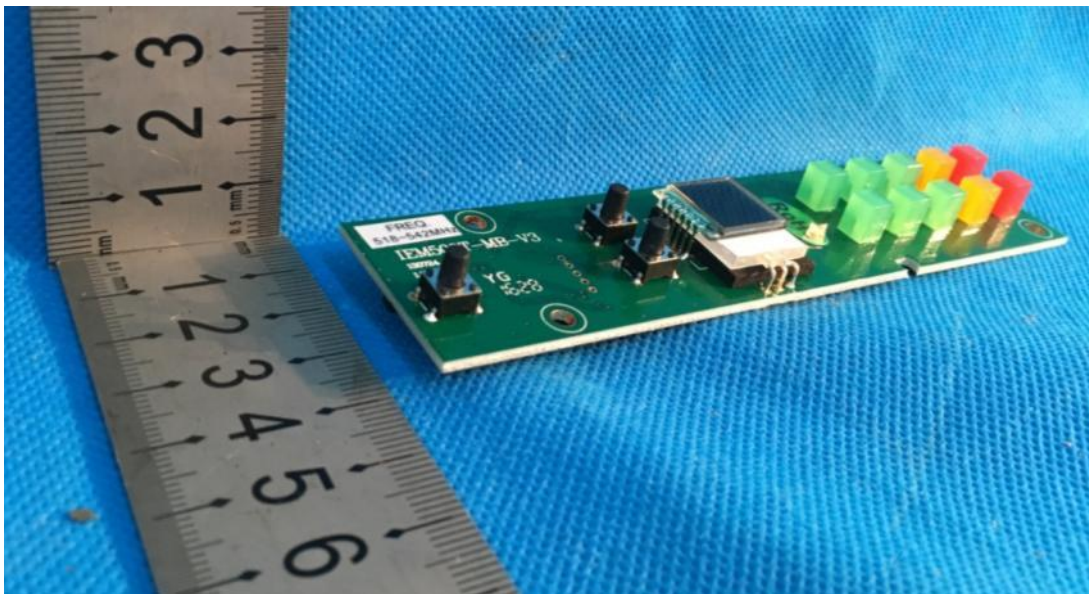
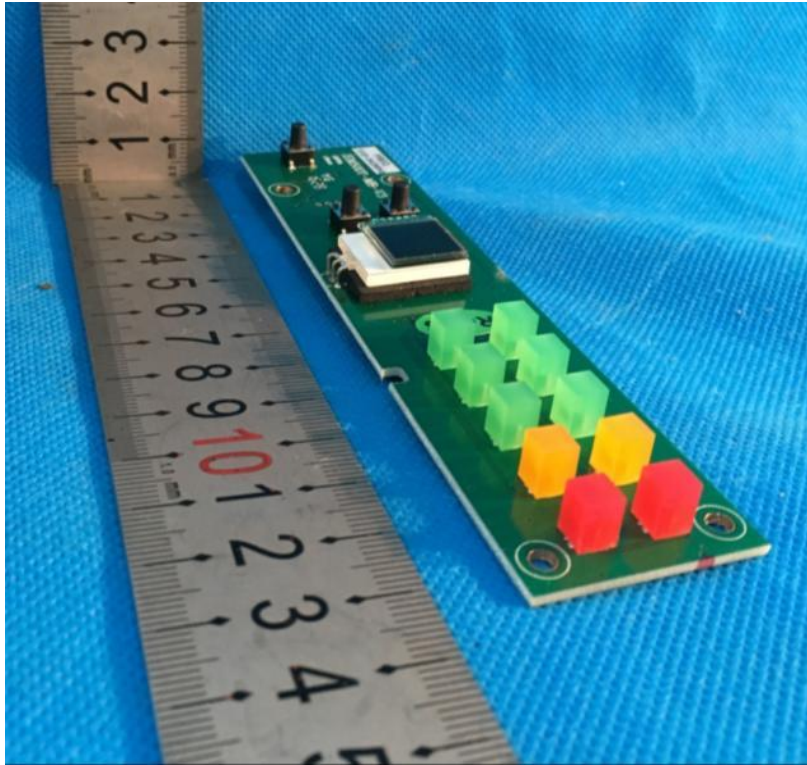


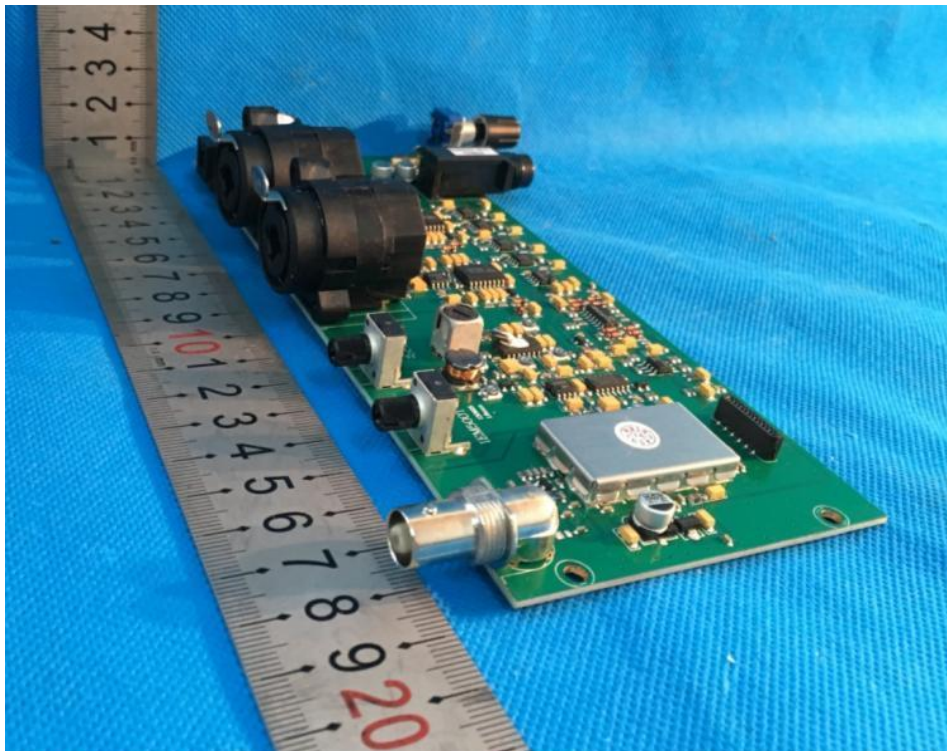


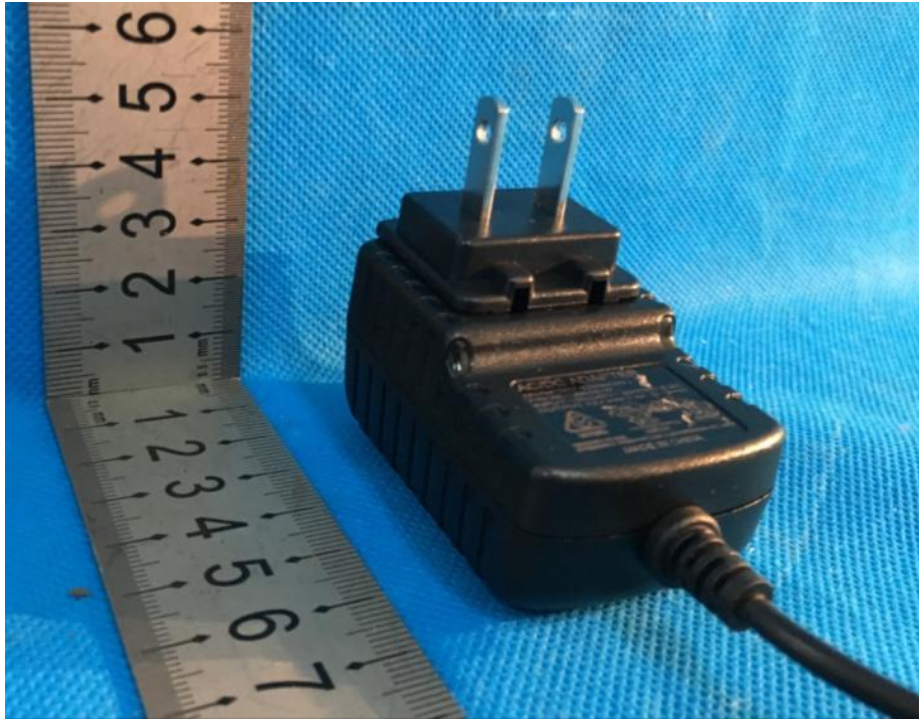
















3.6 Antenna Photo

Antenna Type: strip antenna with BNC port; Gained: 2.15 dBi; length: strip 25cm+connector 1cm, total length: 26cm.



Note:

The EUT was used permanently attached antenna, and it's complied with the requirements of section 15.203: antenna requirement.

4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date	Cal. Due date
1	RF Generator	Rohde & Schwarz	SMB100A-B106	1.031	2016-5-10	2017-5-10
2	Spectrum Analyzer	Rohde & Schwarz	FSP30	EMC0001	2016-3-24	2017-3-24
					2017-3-24	2018-3-24
3	EMI Test Receiver	Rohde & Schwarz	ESCI	EMC1002	2016-3-24	2017-3-24
					2017-3-24	2018-3-24
4	2-Channel Power Meter	Rohde & Schwarz	NRP2	1.033	2016-5-10	2017-5-10
5	Audio Analyzer	Hewlett Packard	8903B	EMC0011	2016-11-5	2017-11-5
6	Power Sensor	Rohde & Schwarz	NRP-Z91	1.034	2016-5-10	2017-5-10
7	Power Sensor	Rohde & Schwarz	NRP-Z91	1.035	2016-5-10	2017-5-10
8	Temperature Chamber	Gongwen	GDS-250	SFT0009	2016-11-5	2017-11-5
9	D.C. Power Supply	KIKUSUI	PAN35-10A	SFT0319	2016-11-5	2017-11-5
10	Temperature Chamber	Gongwen	GDS-250	SFT0009	2016-11-5	2017-11-5
11	D.C. Power Supply	KIKUSUI	PAN35-10A	SFT0319	2016-11-5	2017-11-5
12	Humidity/ Temperature Meter	Anymetre	TH101B	SFT0063	2016-11-5	2017-11-5
13	Barometer	ChangChun	DYM3	SEL0088	2016-6-8	2017-6-8
14	Multimeter	UNI-T	UT70A	EMC0017	2016-11-5	2017-11-5
15	Monopole Antenna	HST	N/A	EMC0089	2016-11-5	2017-11-5
16	Low loss coaxial cable	HST	2 m	EMC1008	2016-11-5	2017-11-5
17	Monopole Antenna	HST	N/A	N/A	2016-11-5	2017-11-5
18	Noise Generator	Ningbo Zhongce	DF1681	EMC0009	2016-11-5	2017-11-5
19	Semi-Anechoic chamber	ETS•Lindgren	FACT3 2.0	ITL-100	2016-6-17	2017-6-17
20	EMI Test receiver	R&S	ESVS10	ITL-111	2017-1-19	2018-1-19
21	EXA Spectrum Analyzer	Agilent Technologies	N9010A	ITL-114	2017-1-19	2018-1-19
22	Biconilog Antenna	ETS•Lindgren	3142D	ITL-105	2015-1-24	2018-1-24

23	Pre Amplifier	HP	8447F	ITL-116	2017-1-19	2018-1-19
24	Wideband Amplifier Super Ultra	Mini-circuits	ZVA-183-S+	ITL-117	2017-1-19	2018-1-19
25	Horn Antenna	A-INFOMW	JXTXLB-10180-N	ITL-110	2015-1-24	2018-1-24
26	Software	Audix	E3	ITL-109	/	/
27	Loop Antenna	BJ 2nd Factory	ZN30900A	EMC6001	2016-7-29	2019-7-29

End of report

Report Statement

- 1.This test report is invalid if altered, additions and deletions.
- 2.This test report is responsible for tested samples only .
- 3.Objections to the test report must be submitted to Guangdong Huesent Testing & Inspection Technology Co., Ltd. within 15 days.
- 4.The test report is invalid without the signatures of tester, reviewer ,approver ,and official stamp of test unit.
- 5.Without permission of Guangdong Huesent Testing & Inspection Technology Co., Ltd., This report is not permitted to be duplicated in extracts.
- 6.P”= Pass=Test item conform to the requirement
“F”= Fail=Test item not conform to the requirement
“N”= Not Applicable =Test item Not Applicable to the test object