



Shenzhen CTA Testing Technology Co., Ltd.
 Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

**TEST REPORT
 FCC PART 15 C(15.249)**

Report Reference No.....: CTA22040500101

FCC ID.....: 2A566-T-15

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Date of issue.....: Apr. 05, 2022

Testing Laboratory Name: Shenzhen CTA Testing Technology Co., Ltd.
 Address.....: Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name: ENPING SHANGGE ELECTRONIC CO.,LTD.
 Address: No. F12 Civilian and Foreign Capital Industry Area, Enping City, Guangdong, China

Standard: **FCC CFR 47 PART 15 C(15.249)**
ANSI C63.10-2013

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Test item description: WIRELESS MICROPHONE TRANSMITTER
 Trade Mark: SGPRO
Manufacturer.....: ENPING SHANGGE ELECTRONIC CO.,LTD.
 Model/Type reference.....: T-15
 Listed Models: TR-15,S-15,MIC-15,RT-15,BM-15,BM-15D,SG-15,T-8,T-9,t-10,MIC-8,MIC-9,MIC-10,S-8,S-9,S-10,X-12,C-12
 Modulation: GFSK
 Frequency.....: 902.4-927.6MHz
 Ratings: DC 3.7V From Battery and DC 5V From External
 Result.....: **PASS**

TEST REPORT

Equipment under Test : WIRELESS MICROPHONE TRANSMITTER

Model /Type : T-15

Listed Models : TR-15,S-15,MIC-15,RT-15,BM-15,BM-15D,SG-15,T-8,T-9,t-10,MIC-8,MIC-9,MIC-10,S-8,S-9,S-10,X-12,C-12

Applicant : **ENPING SHANGGE ELECTRONIC CO.,LTD.**

Address : No. F12 Civilian and Foreign Capital Industry Area, Enping City, Guangdong, China

Manufacturer : **ENPING SHANGGE ELECTRONIC CO.,LTD.**

Address : No. F12 Civilian and Foreign Capital Industry Area, Enping City, Guangdong, China

Test Result:	PASS
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The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. TEST STANDARDS

The tests were performed according to following standards:

FCC Rules Part 15.249: Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz, 5725 - 5875 MHz, and 24.0 - 24.25 GHz.

ANSI C63.10:2013 : American National Standard for Testing Unlicensed Wireless Devices

ANSI C63.4: 2014: –American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40GHz
Range of 9 kHz to 40GHz

2. SUMMARY

2.1. General Remarks

Date of receipt of test sample	:	Mar. 22, 2022
Testing commenced on	:	Mar. 22, 2022
Testing concluded on	:	Apr. 05, 2022

2.2. Product Description

Name of EUT	WIRELESS MICROPHONE TRANSMITTER
Model Number	T-15
Power supply:	DC 3.7V From Battery and DC 5V From external circuit
Adapter information (Auxiliary test supplied by test Lab)	Model: EP-TA20CBC Input:AC 100-240V 50/60Hz Output:DC 5V 2A
Testing sample ID:	CTA220405001-1# (Engineer sample) CTA220405001-2# (Normal sample)
Operation frequency:	902.4-927.6MHz
Modulation:	GFSK
Antenna Type:	External antenna
Antenna Gain:	0dBi(Max)

2.3. Equipment Under Test

Power supply system utilised

Power supply voltage	:	<input type="radio"/> 230V / 50 Hz	<input type="radio"/> 120V / 60Hz
		<input type="radio"/> 12 V DC	<input type="radio"/> 24 V DC
		<input checked="" type="radio"/> Other (specified in blank below)	

DC 3.7V From Battery and DC 5V From external circuit

2.4. Short description of the Equipment under Test (EUT)

This is a WIRELESS MICROPHONE TRANSMITTER

For more details, refer to the user's manual of the EUT.

2.5. EUT operation mode

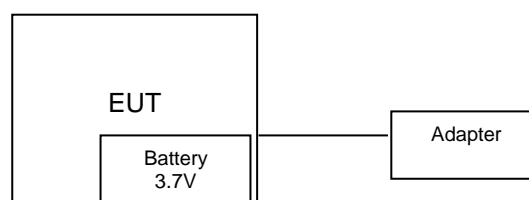
The Applicant use Key to control the EUT for staying in continuous transmitting and receiving mode for testing .There is 64 channels provided to the EUT. Channel Low, Mid and High was selected to test.

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	902.4	33	915.2
02	902.8	34	915.6
03	903.2	35	916.0
04	903.6	36	916.4
05	904.0	37	916.8
06	904.4	38	917.2
07	904.8	39	917.6
08	905.2	40	918.0
09	905.6	41	918.4
10	906.0	42	918.8
11	906.4	43	919.2
12	906.8	44	919.6
13	907.2	45	920.0
14	907.6	46	920.4
15	908.0	47	920.8
16	908.4	48	921.2
17	908.8	49	921.6
18	909.2	50	922.0
19	909.6	51	922.4
20	910.0	52	922.8
21	910.4	53	923.2
22	910.8	54	923.6
23	911.2	55	924.0
24	911.6	56	924.4
25	912.0	57	924.8
26	912.4	58	925.2
27	912.8	59	925.6
28	913.2	60	926.0
29	913.6	61	926.4
30	914.0	62	926.8
31	914.4	63	927.2
32	914.8	64	927.6

Test frequency:

Channel	Frequency (MHz)
01	902.4
32	914.8
64	927.6

2.6. Block Diagram of Test Setup



2.7. Modifications

No modifications were implemented to meet testing criteria

3. TEST ENVIRONMENT

3.1. TEST FACILITY

Test Firm : Shenzhen CTA Testing Technology Co., Ltd.

Address Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

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

3.2. Test Facility

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

FCC-Registration No.: 517856 Designation Number: CN1318

Shenzhen CTA Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA-Lab Cert. No.: 6534.01

Shenzhen CTA Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Radiated Emission:

Temperature:	25 ° C
Humidity:	45 %
Atmospheric pressure:	950-1050mbar

Conducted testing:

Temperature:	25 ° C
Humidity:	44 %
Atmospheric pressure:	950-1050mbar

AC Conducted Emission:

Temperature:	25 ° C
Humidity:	44 %
Atmospheric pressure:	950-1050mbar

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China
Tel:+86-755 2322 5875 E-mail:cta@cta-test.cn Web:http://www.cta-test.cn

3.4. Summary of measurement results

FCC PART 15.249		
FCC Part 15.249(a)	Field Strength of Fundamental	PASS
FCC Part 15.209	Spurious Emission	PASS
FCC Part 15.209	Band edge	PASS
FCC Part 15.215(c)	20dB bandwidth	PASS
FCC Part 15.207	Conducted Emission	PASS
FCC Part 15.203	Antenna Requirement	PASS

3.5. Statement of the measurement uncertainty

Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty(9kHz-30MHz) = 3.08dB, k=2

Radiated emission expanded uncertainty(30MHz-1000MHz) = 4.42dB, k=2

Radiated emission expanded uncertainty(Above 1GHz) = 4.06dB, k=2

3.6. Equipments Used during the Test

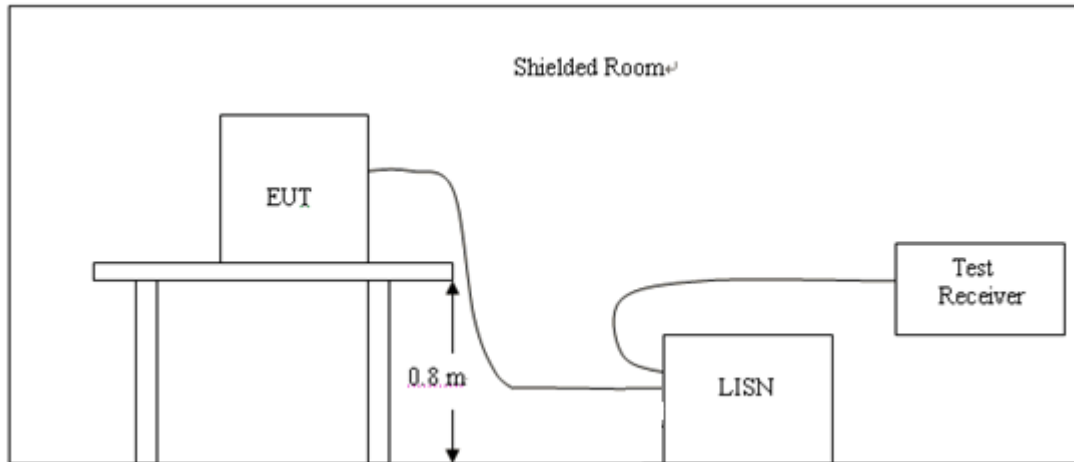
Test Equipment	Manufacturer	Model No.	Equipment No.	Calibration Date	Calibration Due Date
LISN	R&S	ENV216	CTA-308	2021/08/06	2022/08/05
LISN	R&S	ENV216	CTA-314	2021/08/06	2022/08/05
EMI Test Receiver	R&S	ESPI	CTA-307	2021/08/06	2022/08/05
EMI Test Receiver	R&S	ESCI	CTA-306	2021/08/06	2022/08/05
Spectrum Analyzer	Agilent	N9020A	CTA-301	2021/08/06	2022/08/05
Spectrum Analyzer	R&S	FSP	CTA-337	2021/08/06	2022/08/05
Vector Signal generator	Agilent	N5182A	CTA-305	2021/08/06	2022/08/05
Analog Signal Generator	R&S	SML03	CTA-304	2021/08/06	2022/08/05
Universal Radio Communication	CMW500	R&S	CTA-302	2021/08/06	2022/08/05
Temperature and humidity meter	Chigo	ZG-7020	CTA-326	2021/08/06	2022/08/05
Ultra-Broadband Antenna	Schwarzbeck	VULB9163	CTA-310	2021/08/07	2022/08/06
Horn Antenna	Schwarzbeck	BBHA 9120D	CTA-309	2021/08/07	2022/08/06
Loop Antenna	Zhinan	ZN30900C	CTA-311	2021/08/07	2022/08/06
Horn Antenna	Beijing Hangwei Dayang	OBH100400	CTA-336	2021/08/06	2022/08/05
Amplifier	Schwarzbeck	BBV 9745	CTA-312	2021/08/06	2022/08/05
Amplifier	Taiwan chengyi	EMC051845B	CTA-313	2021/08/06	2022/08/05
Directional coupler	NARDA	4226-10	CTA-303	2021/08/06	2022/08/05
High-Pass Filter	XingBo	XBLBQ-GTA18	CTA-402	2021/08/06	2022/08/05
High-Pass Filter	XingBo	XBLBQ-GTA27	CTA-403	2021/08/06	2022/08/05
Automated filter bank	Tonscend	JS0806-F	CTA-404	2021/08/06	2022/08/05
Power Sensor	Agilent	U2021XA	CTA-405	2021/08/06	2022/08/05
Amplifier	Schwarzbeck	BBV9719	CTA-406	2021/08/06	2022/08/05

Note: The Cal.Interval was one year.

4. TEST CONDITIONS AND RESULTS

4.1. AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

- 1, The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
- 2, Support equipment, if needed, was placed as per ANSI C63.10.
- 3, All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4, If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5, All support equipments received AC power from a second LISN, if any.
- 6, The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7, Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.

AC Power Conducted Emission Limit

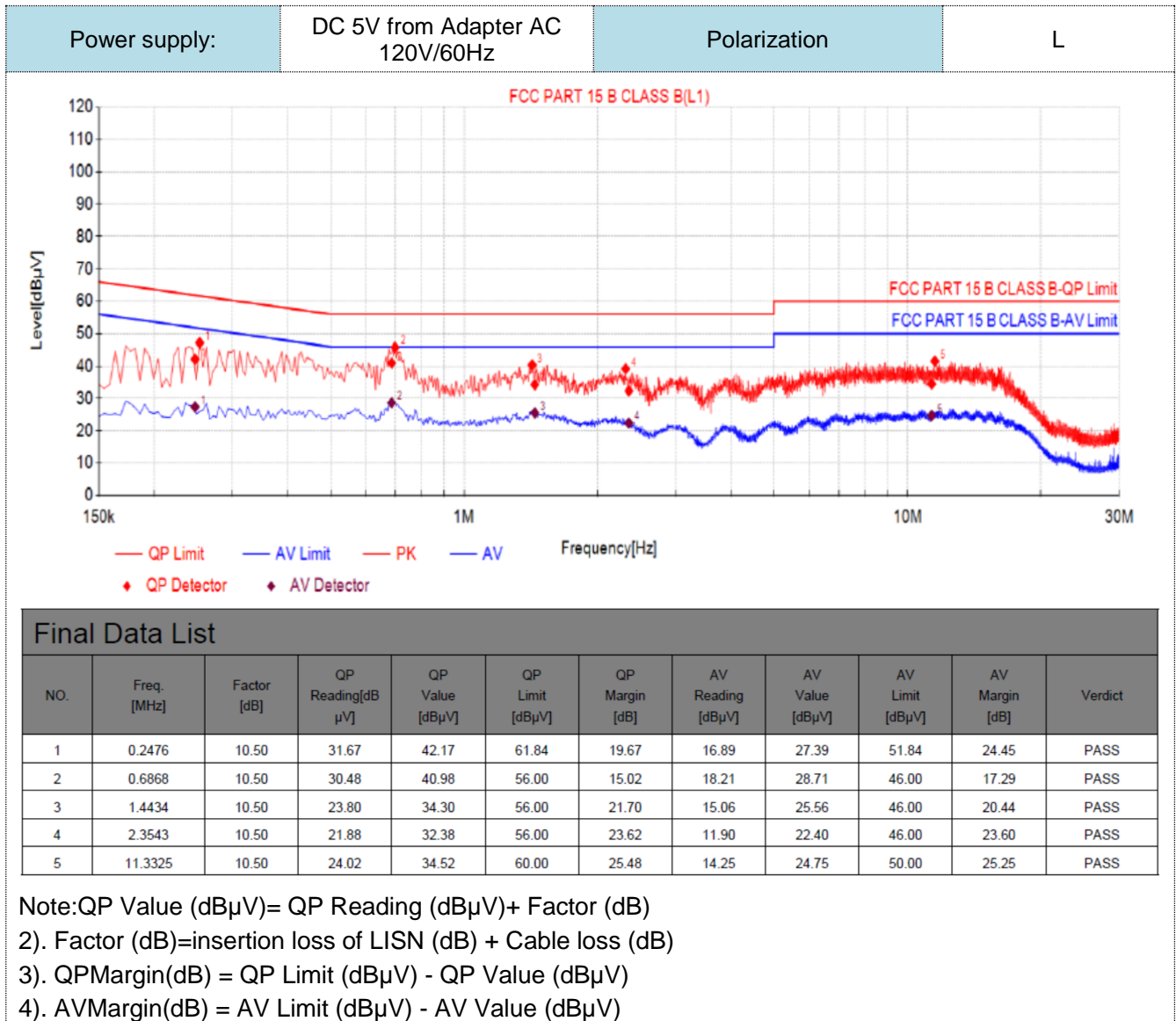
For intentional device, according to RSS-Gen 8.8 AC Power Conducted Emission Limits is as following :

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

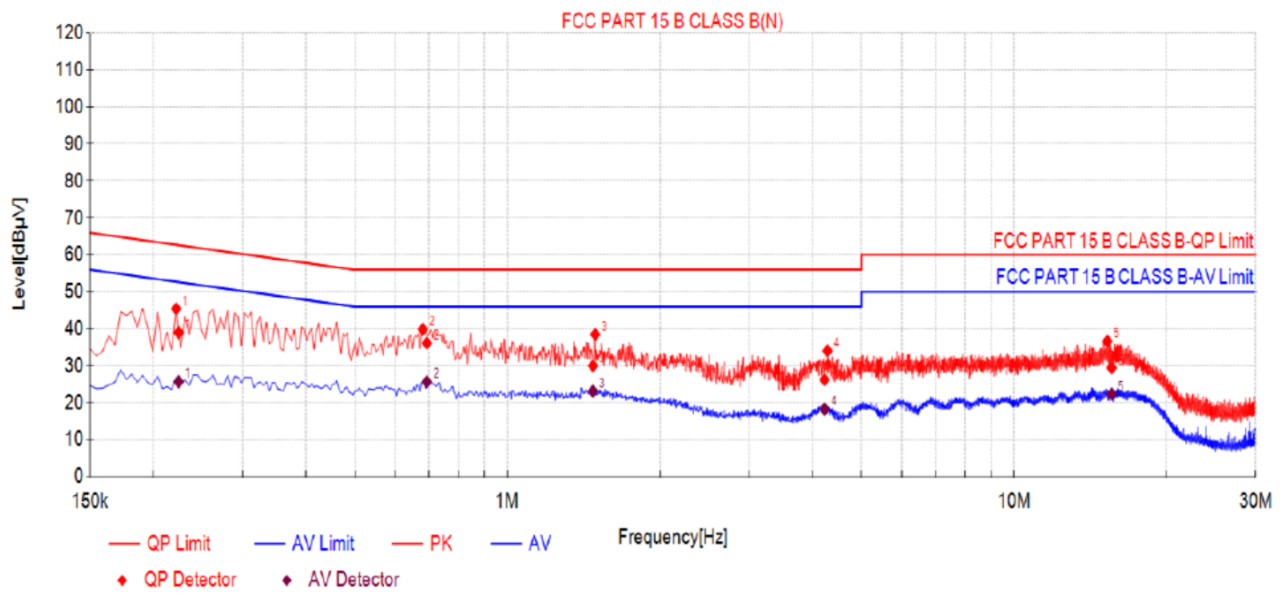
* Decreases with the logarithm of the frequency.

TEST RESULTS

1. Both 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz power supply have been tested, only the worst result of 120 VAC, 60 Hz was reported as below:



Power supply:	DC 5V from Adapter AC 120V/60Hz	Polarization	N
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Final Data List

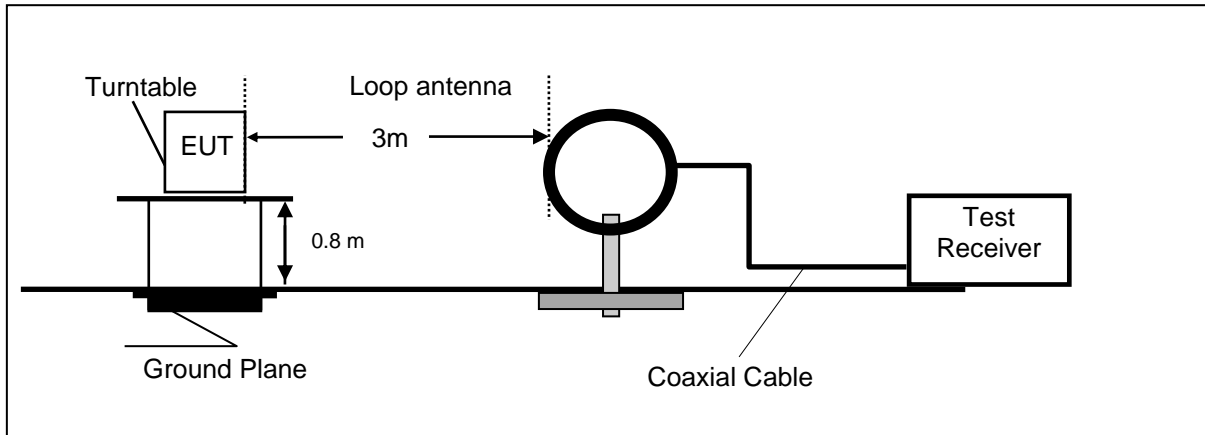
NO.	Freq. [MHz]	Factor [dB]	QP Reading[dB µV]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.2245	10.50	28.49	38.99	62.65	23.66	15.17	25.67	52.65	26.98	PASS
2	0.6936	10.50	25.64	36.14	56.00	19.86	15.17	25.67	46.00	20.33	PASS
3	1.4759	10.50	19.49	29.99	56.00	26.01	12.63	23.13	46.00	22.87	PASS
4	4.2281	10.50	15.73	26.23	56.00	29.77	7.75	18.25	46.00	27.75	PASS
5	15.5907	10.50	18.93	29.43	60.00	30.57	11.88	22.38	50.00	27.62	PASS

- Note:QP Value (dBµV)= QP Reading (dBµV)+ Factor (dB)
 2). Factor (dB)=insertion loss of LISN (dB) + Cable loss (dB)
 3). QPMargin(dB) = QP Limit (dBµV) - QP Value (dBµV)
 4). AVMargin(dB) = AV Limit (dBµV) - AV Value (dBµV)

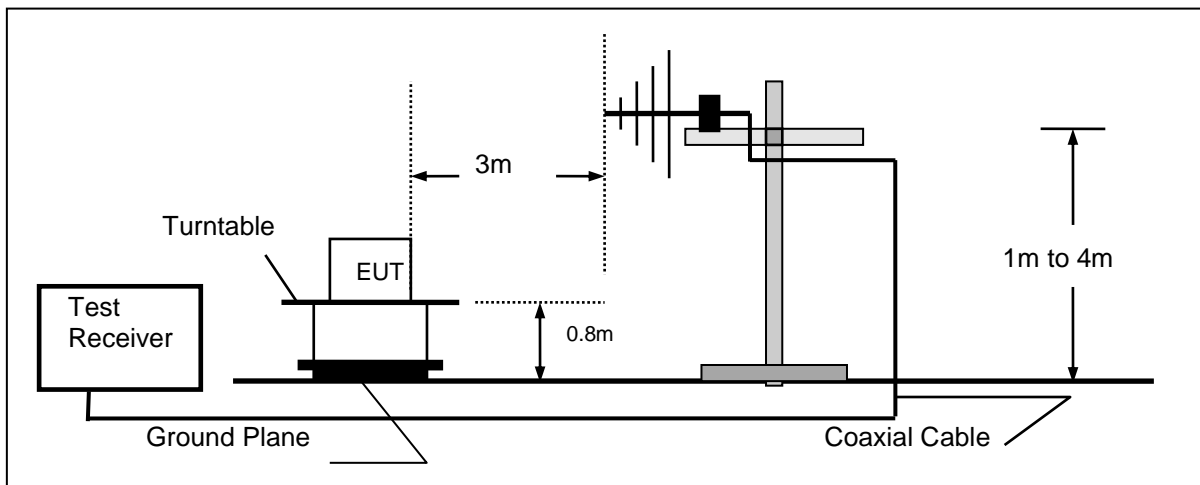
Radiated Emission and Band Edges

TEST CONFIGURATION

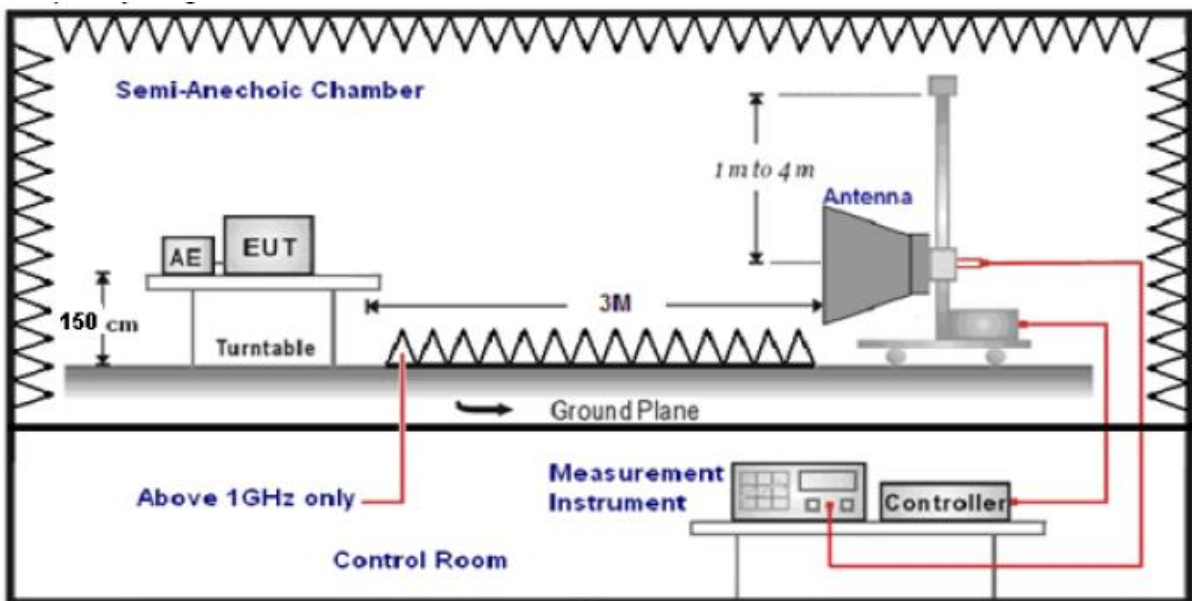
Frequency range 9 KHz – 30MHz



Frequency range 30MHz – 1000MHz



Frequency range above 1GHz-25GHz



TEST PROCEDURE

1. The EUT was placed on a turn table which is 0.8m above ground plane when testing frequency range 9 KHz –25GHz.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. The EUT minimum operation frequency was 26MHz and maximum operation frequency was 1910MHz.so radiated emission test frequency band from 9KHz to 25GHz.
6. The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Ultra-Broadband Antenna	3
1GHz-18GHz	Double Ridged Horn Antenna	3
18GHz-25GHz	Horn Antenna	1

7. Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz, Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz, Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz, Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

Field Strength Calculation

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

FS = RA + AF + CL - AG

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

Transd=AF +CL-AG

RADIATION LIMIT

According FCC 15.249, the field strength of emissions from intentional radiators operated within 902MHz-928 MHz shall not exceed 94dBµV/m (50mV/m):

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 to the general radiated emission limits in FCC 15.209, whichever is the lesser attenuation.

In addition, radiated emissions which fall in the restricted bands, as defined in FCC 15.205, must also comply with the radiated emission limits specified in FCC 15.205.

Radiated emission limits

Frequency (MHz)	Distance (Meters)	Radiated (dBµV/m)	Radiated (µV/m)
0.009-0.49	3	20log(2400/F(KHz))+40log(300/3)	2400/F(KHz)
0.49-1.705	3	20log(24000/F(KHz))+ 40log(30/3)	24000/F(KHz)
1.705-30	3	20log(30)+ 40log(30/3)	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200

Above 960	3	54.0	500
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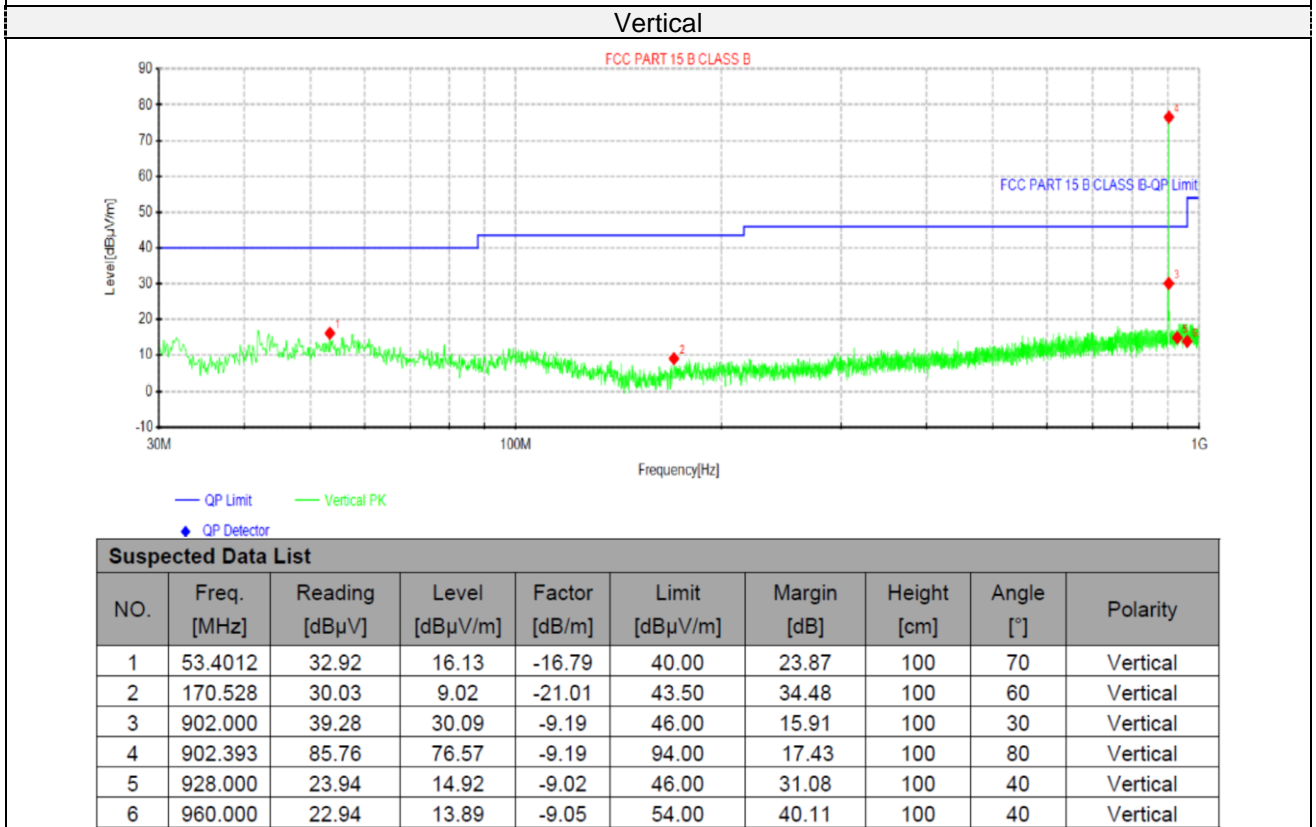
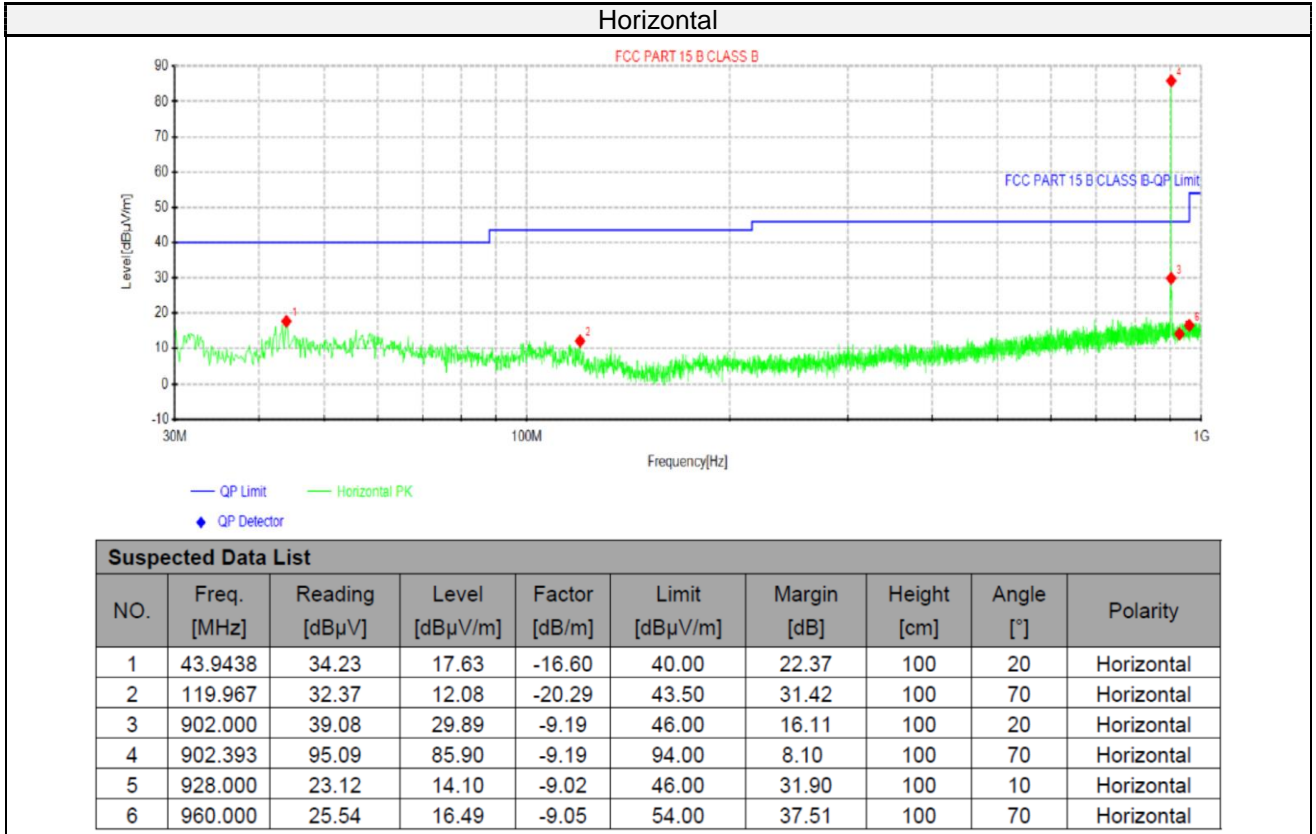
TEST RESULTS

Remark:

1. This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.
2. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.

For 30MHz-1GHz

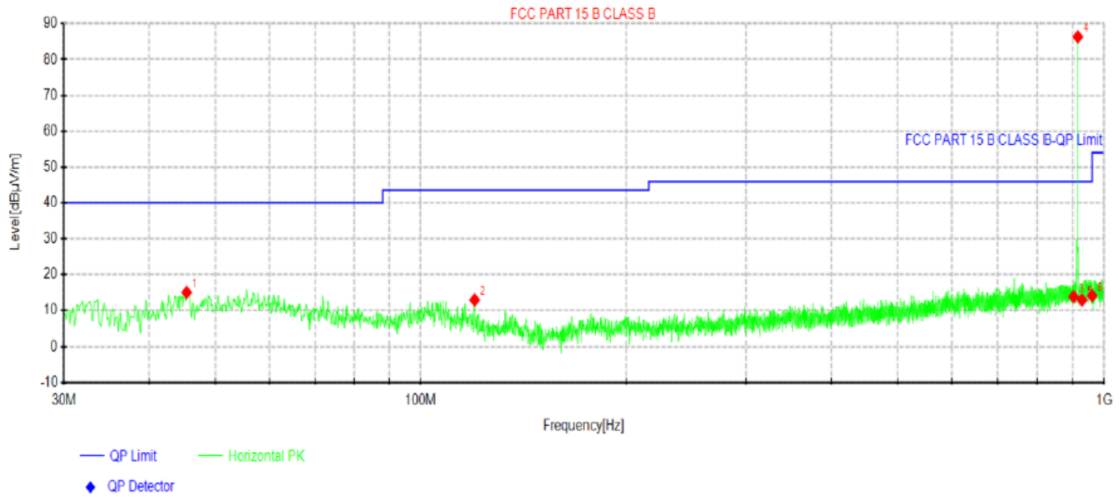
Low Channel 01



Note:1).Level (dBµV/m)= Reading (dBµV)+ Factor (dB/m)
 2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)
 3). Margin(dB) = Limit (dBµV/m) - Level (dBµV/m)

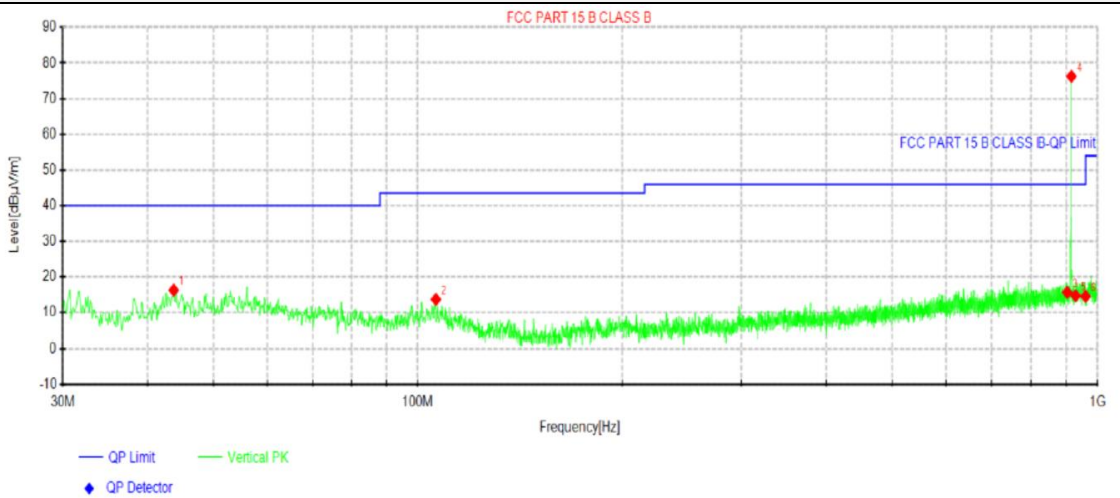
Mid Channel 32

Horizontal



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.3988	31.44	15.02	-16.42	40.00	24.98	100	30	Horizontal
2	119.967	33.20	12.91	-20.29	43.50	30.59	100	30	Horizontal
3	902.000	23.02	13.83	-9.19	46.00	32.17	100	30	Horizontal
4	914.761	95.59	86.39	-9.20	94.00	7.61	100	10	Horizontal
5	928.000	21.93	12.91	-9.02	46.00	33.09	100	70	Horizontal
6	960.000	23.16	14.11	-9.05	54.00	39.89	100	40	Horizontal

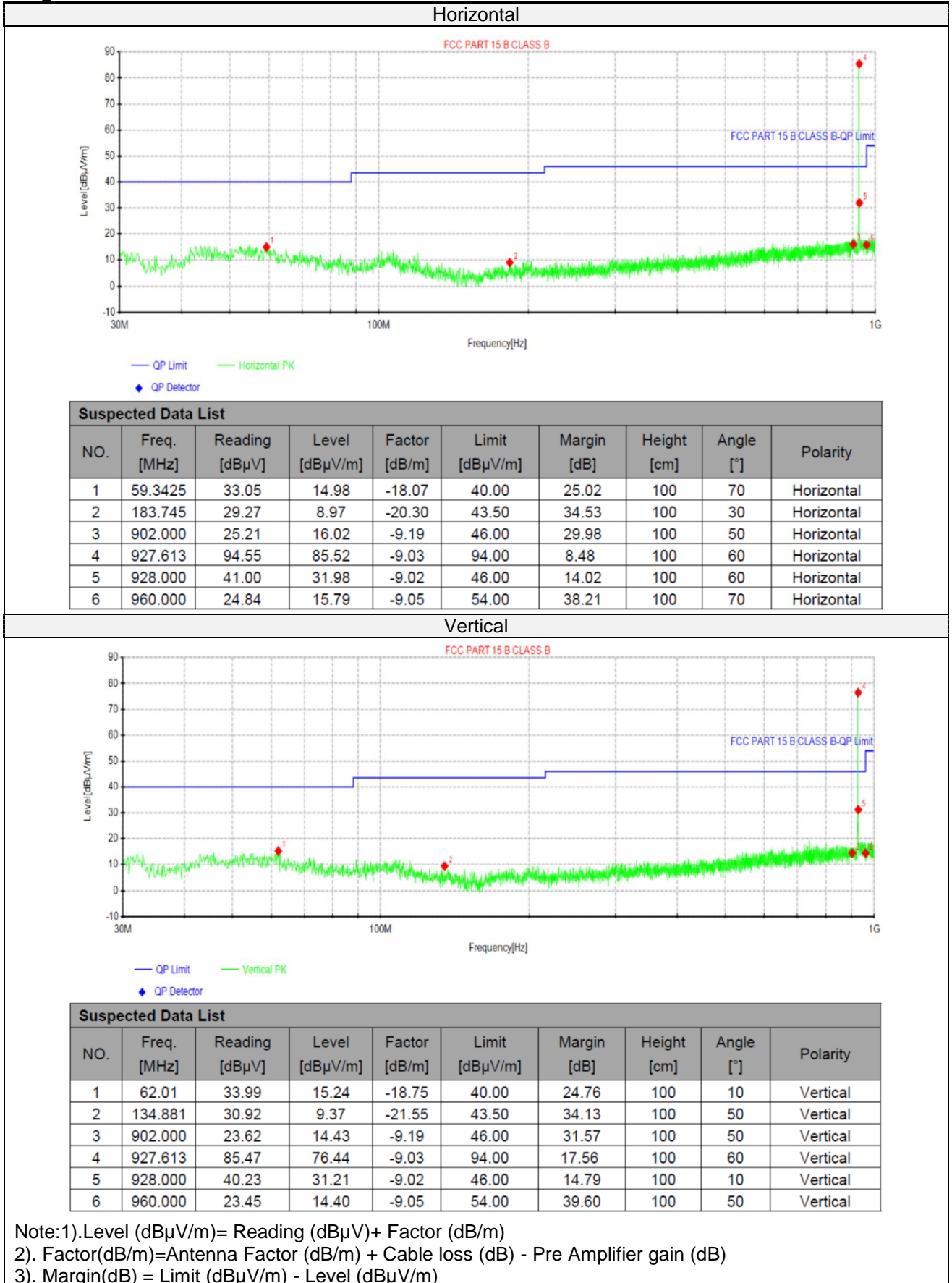
Vertical



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.7012	32.90	16.27	-16.63	40.00	23.73	100	80	Vertical
2	106.387	32.38	13.71	-18.67	43.50	29.79	100	30	Vertical
3	902.000	24.88	15.69	-9.19	46.00	30.31	100	30	Vertical
4	914.761	85.46	76.26	-9.20	94.00	17.74	100	20	Vertical
5	928.000	23.73	14.71	-9.02	46.00	31.29	100	40	Vertical
6	960.000	23.60	14.55	-9.05	54.00	39.45	100	30	Vertical

- Note:1). Level (dBµV/m) = Reading (dBµV) + Factor (dB/m)
 2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)
 3). Margin (dB) = Limit (dBµV/m) - Level (dBµV/m)

High Channel 64



For 1GHz to 25GHz

Low:

Frequency(MHz):			902.4		Polarity:		HORIZONTAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1804.80	46.16	PK	74	27.84	58.46	25.48	3.56	41.34	-12.30
1804.80	37.52	AV	54	16.48	49.82	25.48	3.56	41.34	-12.30
2707.20	42.27	PK	74	31.73	51.47	28.3	4.53	42.03	-9.20
2707.20	33.72	AV	54	20.28	42.92	28.3	4.53	42.03	-9.20

Frequency(MHz):			902.4		Polarity:		VERTICAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1804.80	47.13	PK	74	26.87	59.43	25.48	3.56	41.34	-12.30
1804.80	37.85	AV	54	16.15	50.15	25.48	3.56	41.34	-12.30
2707.20	42.91	PK	74	31.09	52.11	28.3	4.53	42.03	-9.20
2707.20	34.39	AV	54	19.61	43.59	28.3	4.53	42.03	-9.20

Mid:

Frequency(MHz):			914.80		Polarity:		HORIZONTAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1829.60	47.15	PK	74	26.85	59.42	25.53	3.56	41.36	-12.27
1829.60	36.66	AV	54	17.34	48.93	25.53	3.56	41.36	-12.27
2744.40	42.95	PK	74	31.05	52.11	28.38	4.52	42.06	-9.16
2744.40	34.60	AV	54	19.40	43.76	28.38	4.52	42.06	-9.16

Frequency(MHz):			914.80		Polarity:		VERTICAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1829.60	48.25	PK	74	25.75	60.52	25.53	3.56	41.36	-12.27
1829.60	37.00	AV	54	17.00	49.27	25.53	3.56	41.36	-12.27
2744.40	43.52	PK	74	30.48	52.68	28.38	4.52	42.06	-9.16
2744.40	34.75	AV	54	19.25	43.91	28.38	4.52	42.06	-9.16

High:

Frequency(MHz):			927.60		Polarity:		HORIZONTAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1855.20	47.04	PK	74	26.96	59.32	25.57	3.57	41.42	-12.28
1855.20	36.39	AV	54	17.61	48.67	25.57	3.57	41.42	-12.28
2782.80	43.38	PK	74	30.62	52.53	28.42	4.53	42.1	-9.15
2782.80	33.16	AV	54	20.84	42.31	28.42	4.53	42.1	-9.15

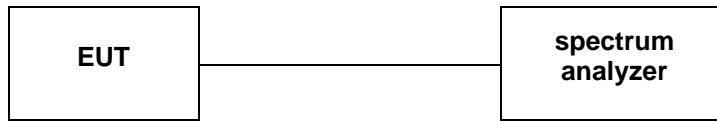
Frequency(MHz):			927.60		Polarity:		VERTICAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-amplifier (dB)	Correction Factor (dB/m)
1855.20	47.64	PK	74	26.36	59.92	25.57	3.57	41.42	-12.28
1855.20	37.15	AV	54	16.85	49.43	25.57	3.57	41.42	-12.28
2782.80	43.62	PK	74	30.38	52.77	28.42	4.53	42.1	-9.15
2782.80	33.53	AV	54	20.47	42.68	28.42	4.53	42.1	-9.15

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4.2. 20dB bandwidth and Occupied Bandwidth Measurement

TEST CONFIGURATION



TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30KHz RBW and 100KHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

Occupied Bandwidth is defined as the average power emitted out-of-band below its lower frequency limit or above the upper frequency limit is each equal to 0.5% of the total average power of a given emission.

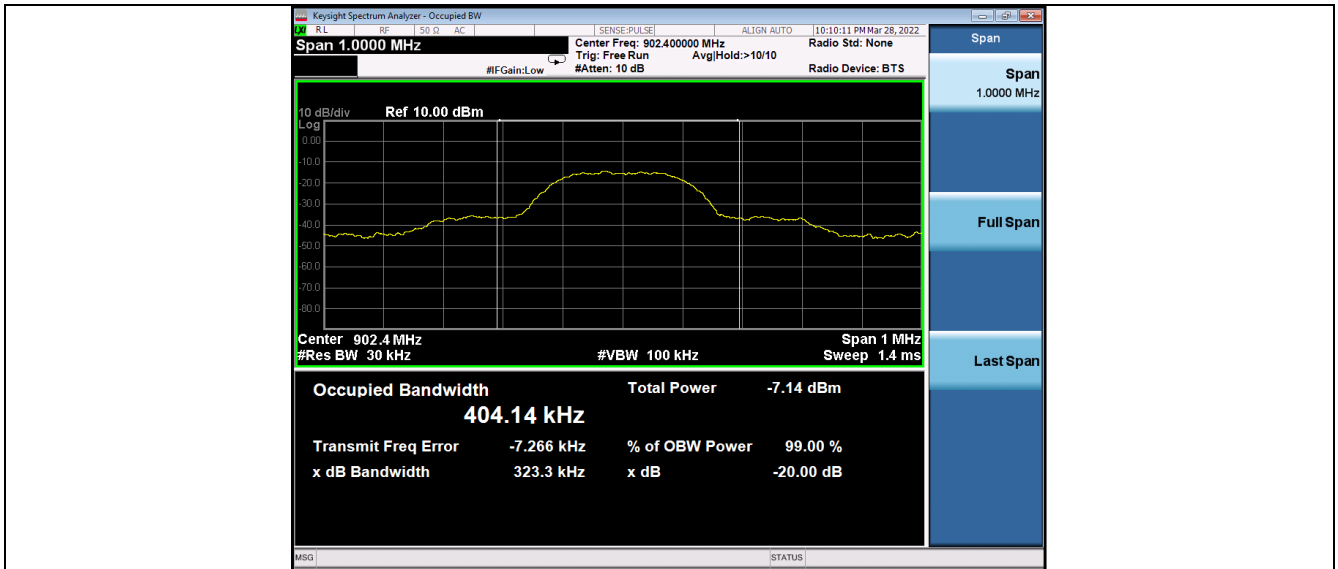
LIMIT

N/A

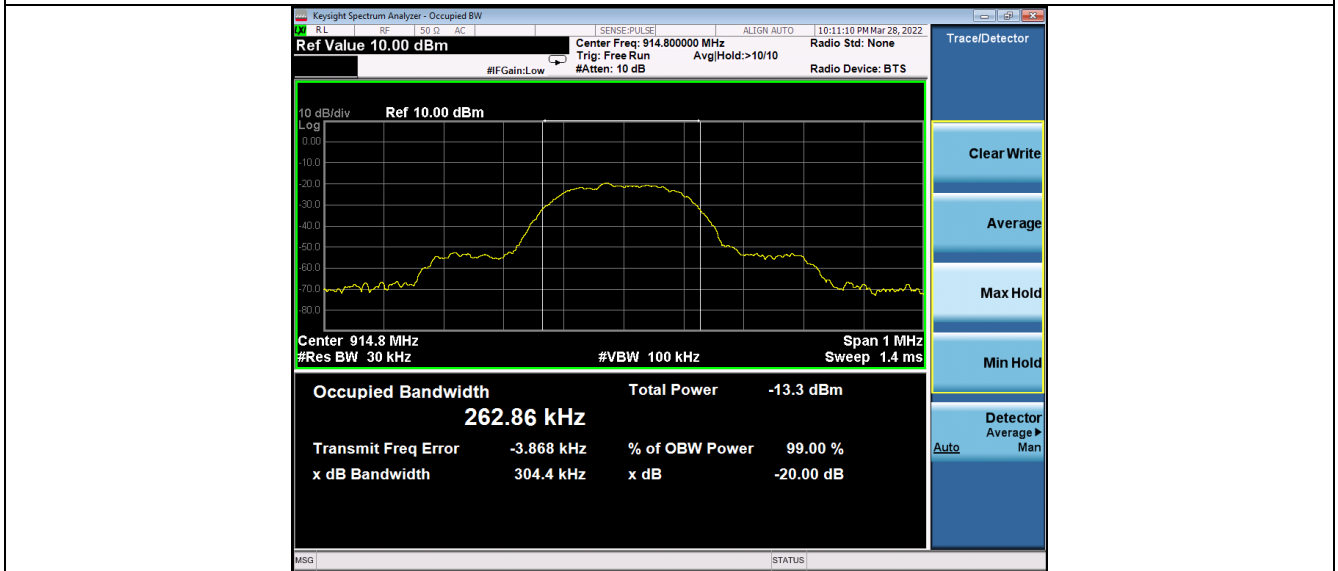
TEST RESULTS

Modulation	Channel	20dB bandwidth (kHz)	Result
GFSK	CH01	323.3	Pass
	CH32	304.4	
	CH64	299.9	

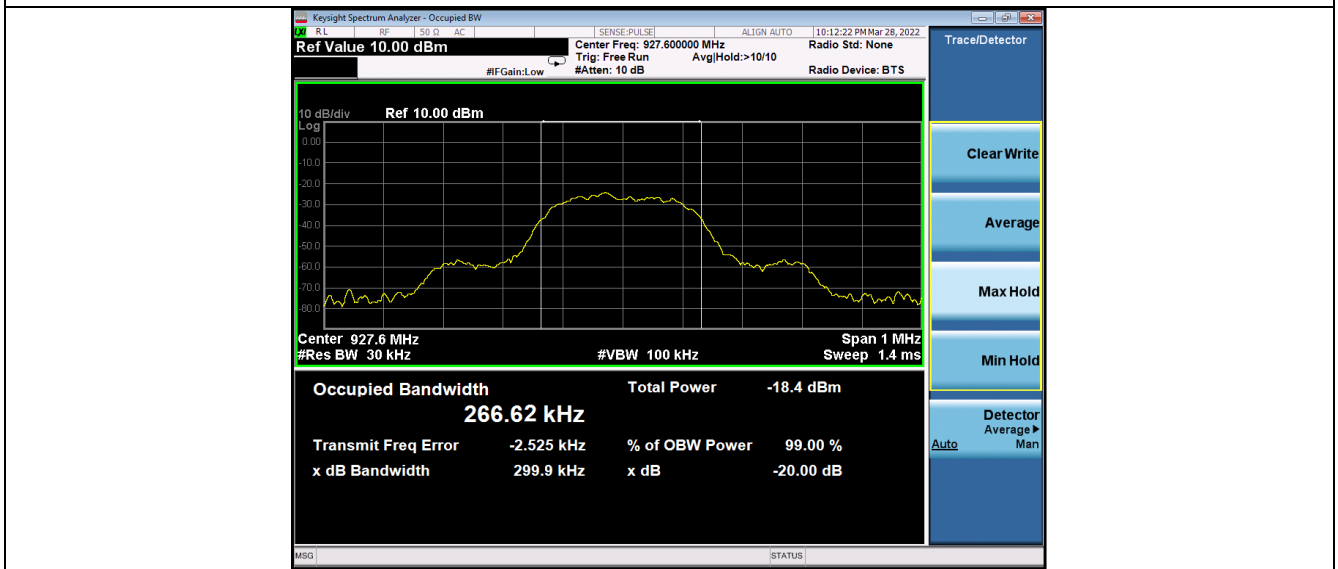
Note: 1.The test results including the cable lose.



CH01



CH32



CH64

4.3. Antenna Requirement

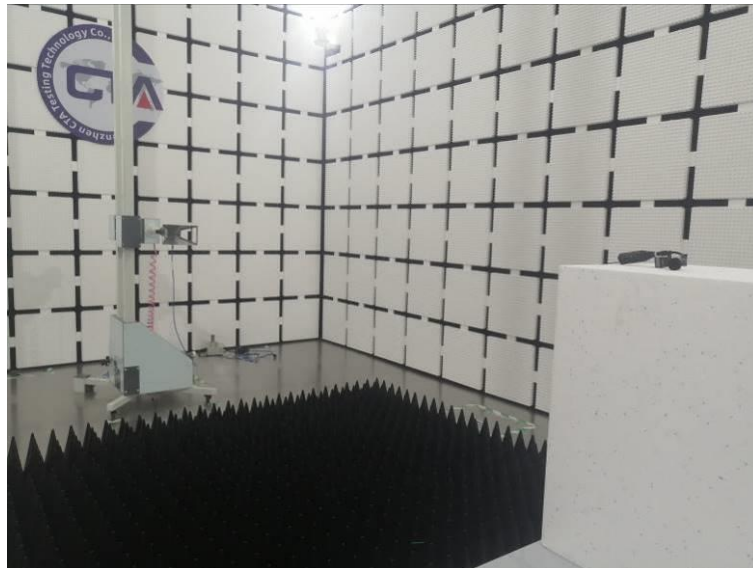
Standard Applicable

According to FCC 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

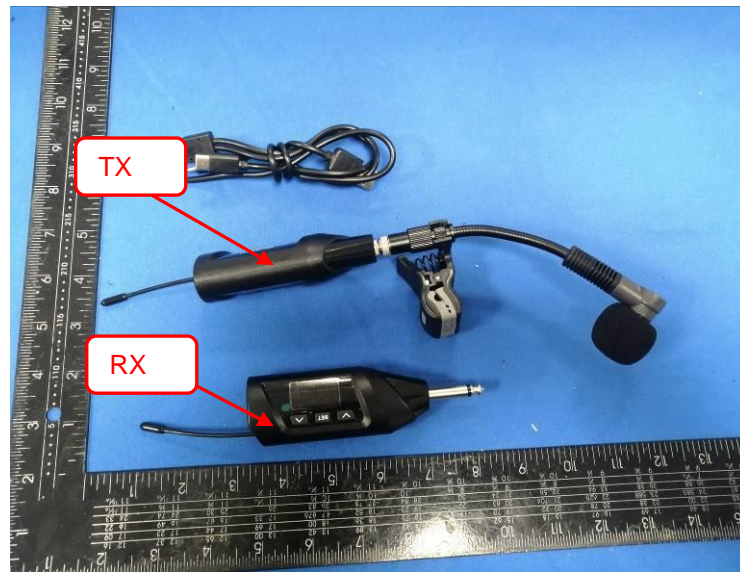
Antenna Information

The directional gains of antenna used for transmitting is 0.00 dBi.

5. Test Setup Photos of the EUT



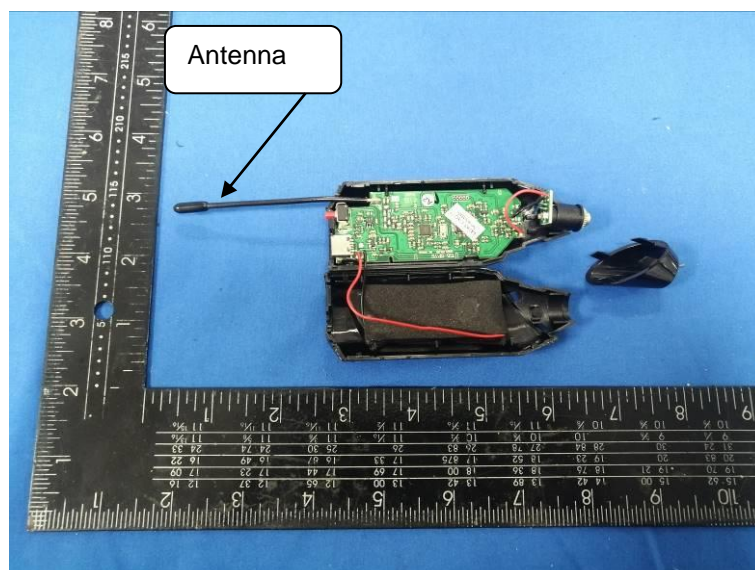
6. Photos of the EUT

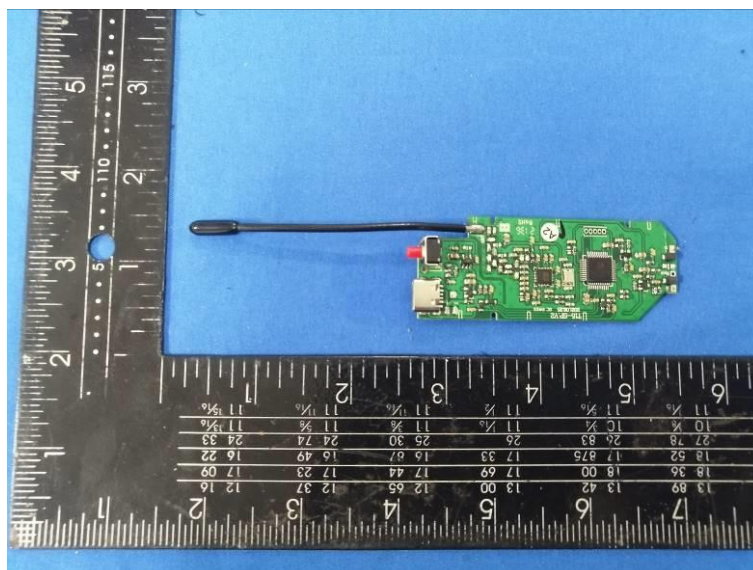
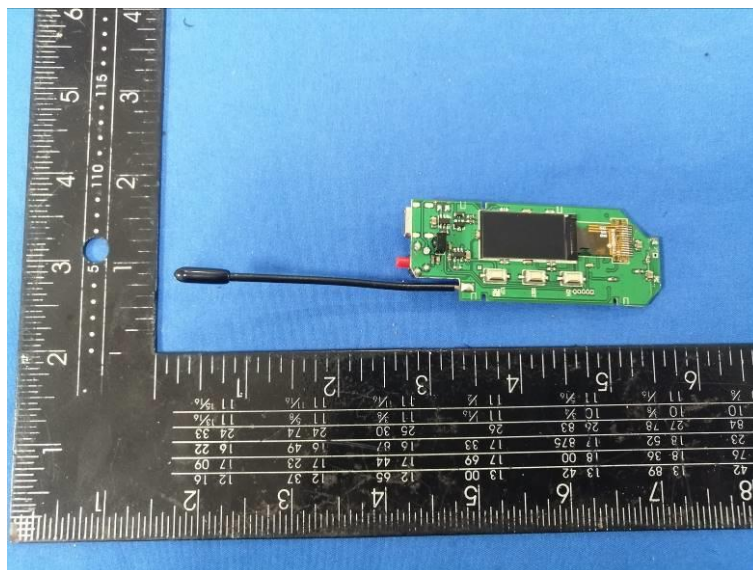
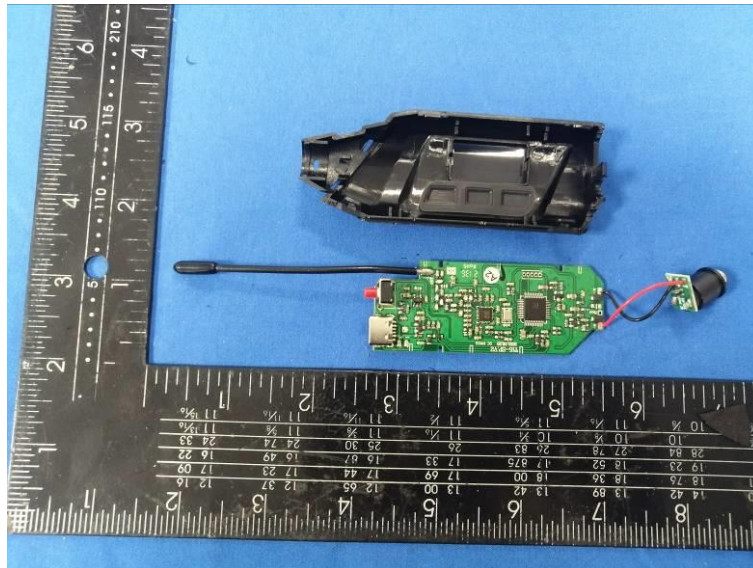


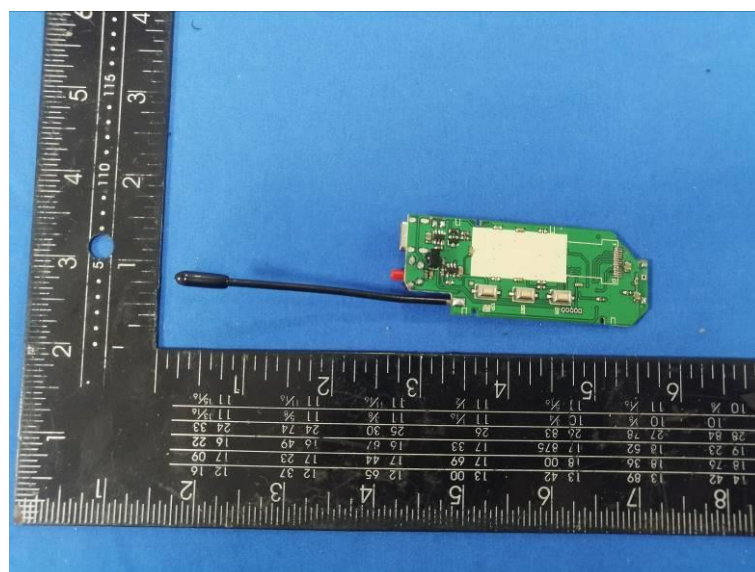
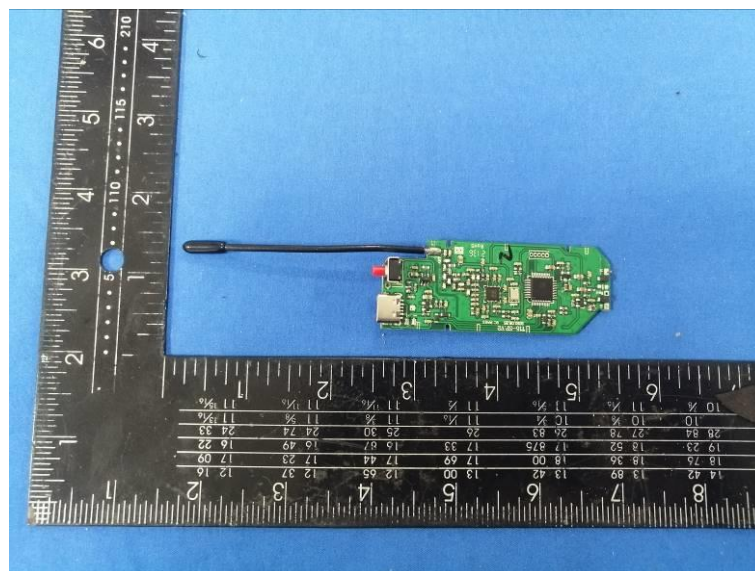
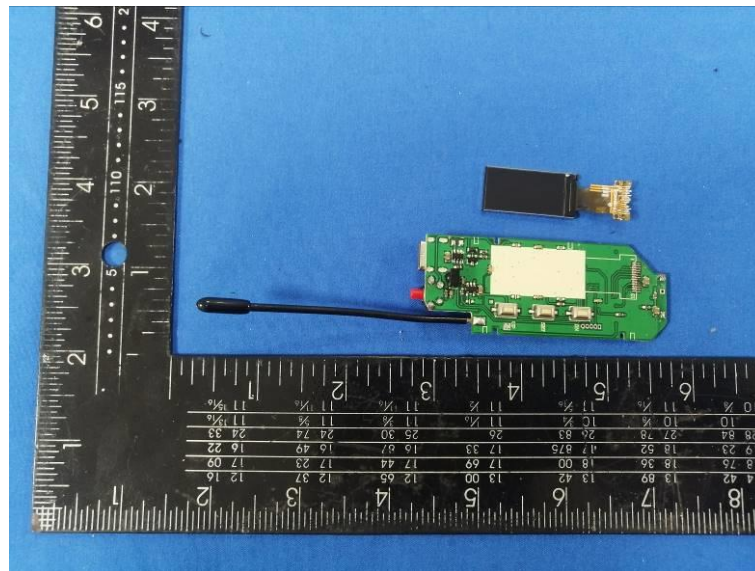
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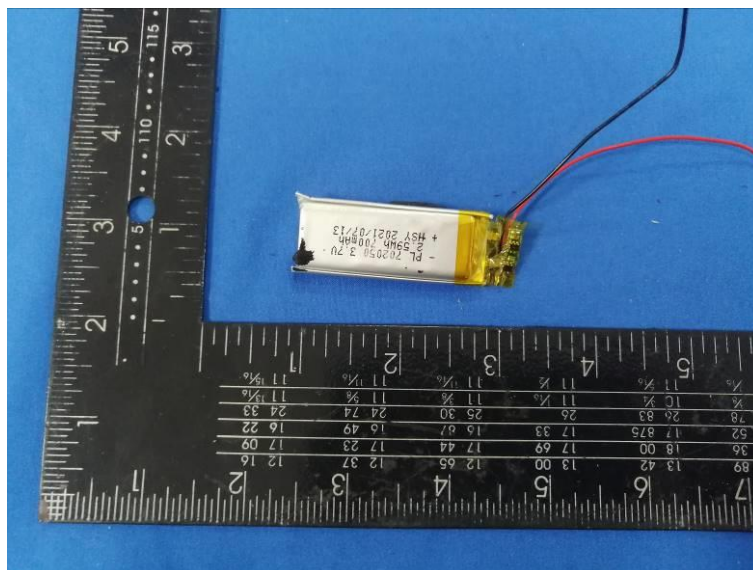
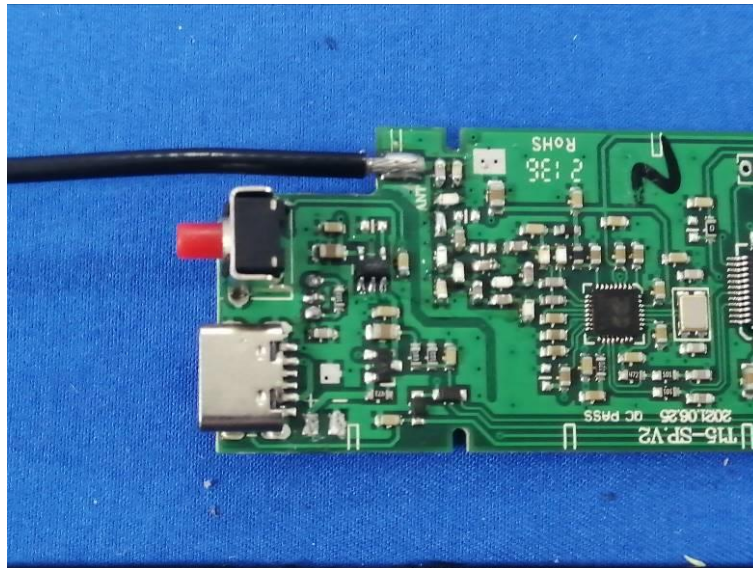
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.....End of Report.....