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Test Report

Report No.: CQASZ20200700685E-01
Applicant: E-SENSE Technology Co., Ltd
Address of Applicant: 8F., No. 10, Lane 366, Sec. 2 Chung Shan Rd., Zhonghe Dist., New Taipei City 235, Taiwan
Equipment Under Test (EUT):
EUT Name: Wireless presenter
Model No.: 12-HDR550DL, R250DL, R250DL-L, R290DL, R290DL-L
Test Model No.: 12-HDR550DL
Brand Name: N/A
FCC ID: 2AAQO-R250DL
Standards: 47 CFR Part 15, Subpart C
Date of Receipt: 2020-07-10
Date of Test: 2020-07-10 to 2020-08-04
Date of Issue: 2020-08-04
Test Result: PASS*

*In the configuration tested, the EUT complied with the standards specified above

Tested By:

Martin Lee

(Martin Lee)

Reviewed By:

Sheek, Luo

(Sheek Luo)

Approved By:

Jack Ai

(Jack Ai)



1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20200700685E-01	Rev.01	Initial report	2020-08-04

2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203	ANSI C63.10 (2013)	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 (2013)	PASS
Field Strength of the Fundamental Signal	47 CFR Part 15, Subpart C Section 15.249 (a)	ANSI C63.10 (2013)	PASS
Spurious Emissions	47 CFR Part 15, Subpart C Section 15.249 (a)/15.209	ANSI C63.10 (2013)	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.249(a)/15.205	ANSI C63.10 (2013)	PASS
20dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.215 (c)	ANSI C63.10 (2013)	PASS

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4 General Information

4.1 Client Information

Applicant:	E-SENSE Technology Co., Ltd
Address of Applicant:	8F., No. 10, Lane 366, Sec. 2 Chung Shan Rd., Zhonghe Dist., New Taipei City 235, Taiwan
Manufacturer:	SHENZHEN HAWK TECHNOLOGY CO., LTD.
Address of Manufacturer:	2F., D Building, San Wei Community Industrial Park, Xixiang Street, Baoan District, Shenzhen
Factory:	SHENZHEN HAWK TECHNOLOGY CO., LTD.
Address of Factory:	2F., D Building, San Wei Community Industrial Park, Xixiang Street, Baoan District, Shenzhen

4.2 General Description of EUT

Product Name:	Wireless presenter
Model No.:	12-HDR550DL, R250DL, R250DL-L, R290DL, R290DL-L
Test Model No.:	12-HDR550DL
Trade Mark:	N/A
Hardware Version:	V1.0
Software Version:	V1.0
Frequency Range:	2413MHz ~ 2460MHz
Modulation Type:	GFSK
Number of Channels:	3 (declared by the client)
Sample Type:	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location
Test Software of EUT:	RF test (manufacturer declare)
Antenna Type:	PCB antenna
Antenna Gain:	0dBi
Power Supply:	lithium battery:DC3.7V, 300mAh, Charge by DC5.0V

Note:

Model No.: 12-HDR550DL, R250DL, R250DL-L, R290DL, R290DL-L

Only the model 12-HDR550DL was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color of appearance and model name.

Operation Frequency each of channel					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2413MHz	2	2437MHz	3	2460MHz

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The Lowest channel(CH1)	2413MHz
The Middle channel(CH2)	2437MHz
The Highest channel(CH3)	2460MHz

4.3 Test Environment and Mode

Operating Environment:	
Radiated Emissions:	
Temperature:	25.6 °C
Humidity:	55 % RH
Atmospheric Pressure:	1009mbar
Temperature:	25.5 °C
Humidity:	55 % RH
Atmospheric Pressure:	1009mbar
Radio conducted item test (RF Conducted test room):	
Temperature:	25.3 °C
Humidity:	55 % RH
Atmospheric Pressure:	1009mbar
Test mode:	
Transmitting mode:	Use test software (RF test) to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.

4.4 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Adapter	HUAWEI	LPL-C010050200Z	DOC	CQA

2) Cable

Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
/	/	/	/	/

4.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for **CQA** laboratory is reported:

Test	Range	Uncertainty	Notes
Radiated Emission	Below 1GHz	5.12dB	(1)
Radiated Emission	Above 1GHz	4.60dB	(1)
Conducted Disturbance	0.15~30MHz	3.34dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

4.6 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.,

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

4.7 Test Facility

- **A2LA (Certificate No. 4742.01)**

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

- **FCC Registration No.: 522263**

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen 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.:522263

4.8 Deviation from Standards

None.

4.9 Abnormalities from Standard Conditions

None.

4.10 Other Information Requested by the Customer

None.

4.11 Equipment List

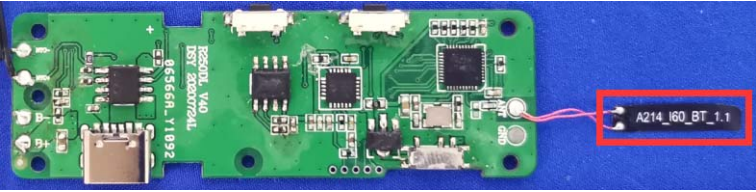
Test Equipment	Manufacturer	Model No.	Instrument No.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2019/10/25	2020/10/24
Spectrum analyzer	R&S	FSU26	CQA-038	2019/10/25	2020/10/24
Preamplifier	MITEQ	AMF-6D-02001800-29-20P	CQA-036	2019/10/25	2020/10/24
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2019/10/21	2020/10/20
Bilog Antenna	R&S	HL562	CQA-011	2019/9/26	2020/9/25
Horn Antenna	R&S	HF906	CQA-012	2019/9/26	2020/9/25
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2019/9/25	2020/9/24
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2019/9/26	2020/9/25
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2019/9/26	2020/9/25
Antenna Connector	CQA	RFC-01	CQA-080	2019/9/26	2020/9/25
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2019/9/26	2020/9/25
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2019/9/26	2020/9/25
EMI Test Receiver	R&S	ESR7	CQA-005	2019/10/25	2020/10/24
LISN	R&S	ENV216	CQA-003	2019/10/23	2020/10/22
Coaxial cable	CQA	N/A	CQA-C009	2019/9/26	2020/9/25
DC power	KEYSIGHT	E3631A	CQA-028	2019/9/26	2020/9/25

Note:

The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

5 Test results and Measurement Data

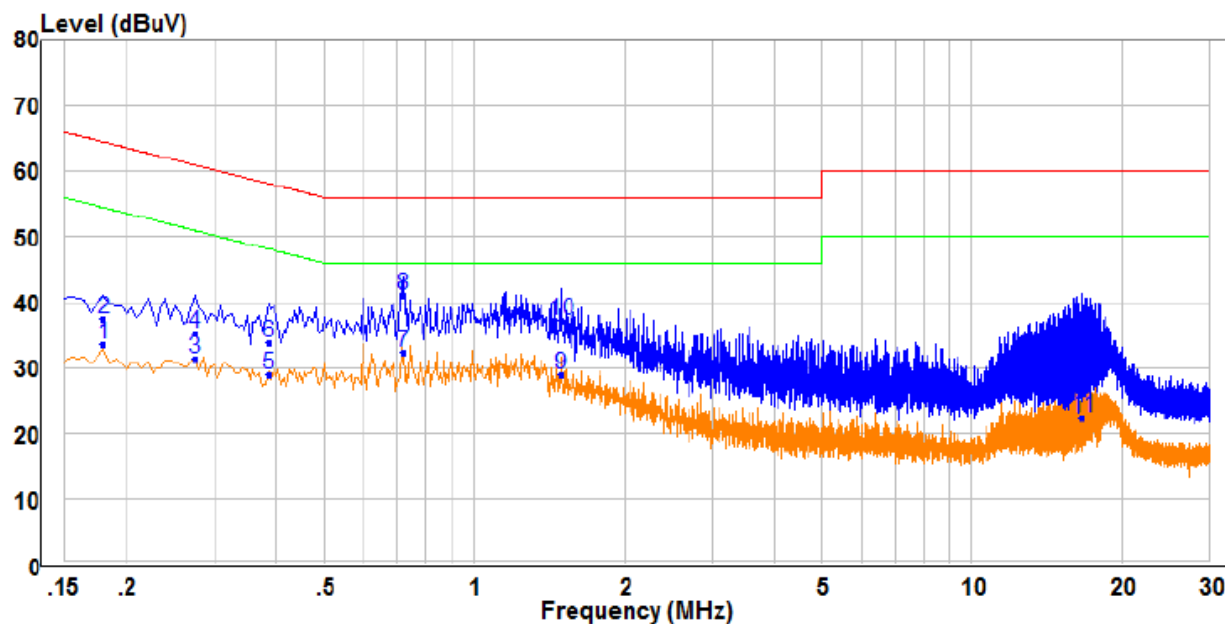
5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203
<p>15.203 requirement:</p> <p>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.</p>	
EUT Antenna:	
The antenna is PCB antenna. The best case gain of the antenna is 0dBi.	

Test Mode:	Transmitting with GFSK modulation. Charge +Transmitting mode.
Final Test Mode:	below 1GHz part, through pre-scan, the worst case is the lowest channel. Only the worst case is recorded in the report.
Test Results:	Pass

Measurement Data

Live line:

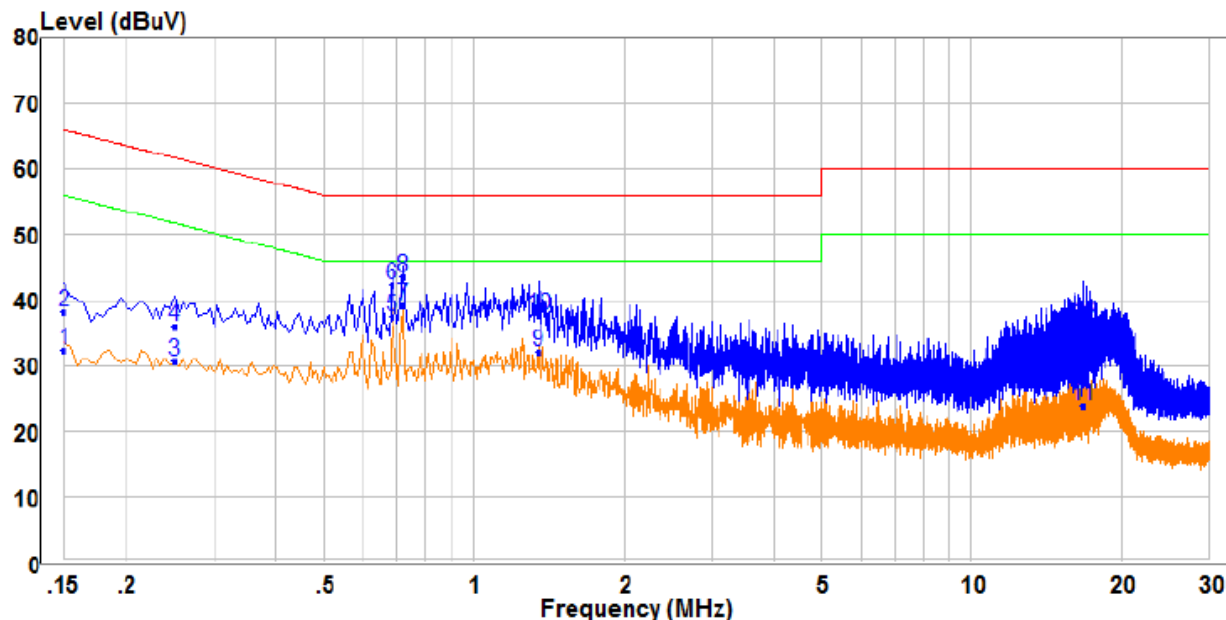


	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.180	23.98	9.49	33.47	54.49	-21.02	Average	Line
2	0.180	27.99	9.49	37.48	64.49	-27.01	QP	Line
3	0.275	21.90	9.49	31.39	50.97	-19.58	Average	Line
4	0.275	25.86	9.49	35.35	60.97	-25.62	QP	Line
5	0.385	19.40	9.50	28.90	48.17	-19.27	Average	Line
6	0.385	24.19	9.50	33.69	58.17	-24.48	QP	Line
7 PP	0.720	22.46	9.85	32.31	46.00	-13.69	Average	Line
8 QP	0.720	31.32	9.85	41.17	56.00	-14.83	QP	Line
9	1.490	19.43	9.52	28.95	46.00	-17.05	Average	Line
10	1.490	27.62	9.52	37.14	56.00	-18.86	QP	Line
11	16.705	12.52	9.96	22.48	50.00	-27.52	Average	Line
12	16.705	24.74	9.96	34.70	60.00	-25.30	QP	Line

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.150	22.93	9.48	32.41	56.00	-23.59	Average	Neutral
2	0.150	28.59	9.48	38.07	66.00	-27.93	QP	Neutral
3	0.250	21.11	9.48	30.59	51.76	-21.17	Average	Neutral
4	0.250	26.40	9.48	35.88	61.76	-25.88	QP	Neutral
5	0.685	27.69	9.82	37.51	46.00	-8.49	Average	Neutral
6	0.685	32.40	9.82	42.22	56.00	-13.78	QP	Neutral
7 PP	0.720	29.39	9.83	39.22	46.00	-6.78	Average	Neutral
8 QP	0.720	33.63	9.83	43.46	56.00	-12.54	QP	Neutral
9	1.345	22.44	9.72	32.16	46.00	-13.84	Average	Neutral
10	1.345	27.94	9.72	37.66	56.00	-18.34	QP	Neutral
11	16.775	13.94	9.97	23.91	50.00	-26.09	Average	Neutral
12	16.775	26.39	9.97	36.36	60.00	-23.64	QP	Neutral

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

5.3 Radiated Emission

Test Requirement:	47 CFR Part 15C Section 15.249 and 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30KHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30KHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30KHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30KHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30KHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Note: For fundamental frequency, RBW=5MHz, VBW=5MHz, Peak detector is for PK value, RMS detector is for Average value.					
Limit: (Spurious Emissions and band edge)	Frequency	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-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
Note: 1) 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. 2) 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 Section 15.209, whichever is the lesser attenuation.					
Limit: (Field strength of the fundamental signal)	Frequency	Limit (dBuV/m @3m)		Remark	
	2400MHz-2483.5MHz	94.0		Average Value	
		114.0		Peak Value	

Test Setup:

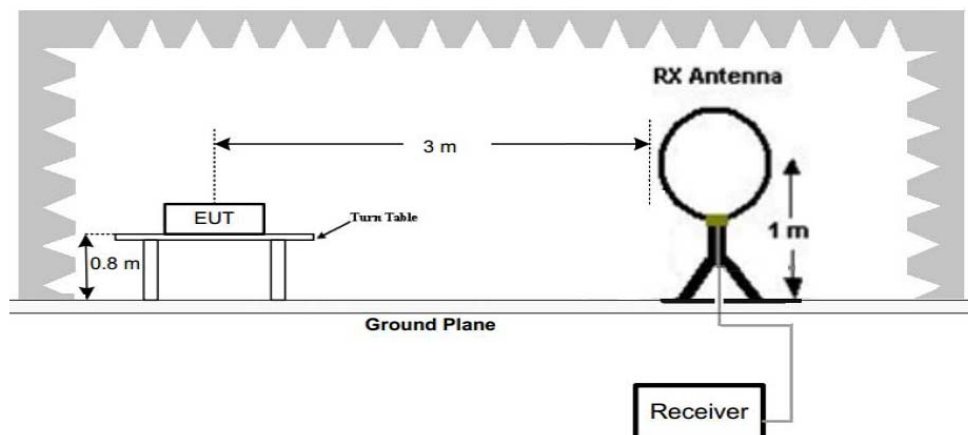


Figure 1. Below 30MHz

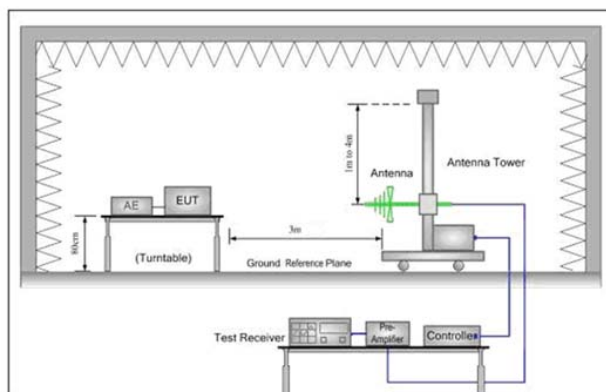


Figure 2. 30MHz to 1GHz

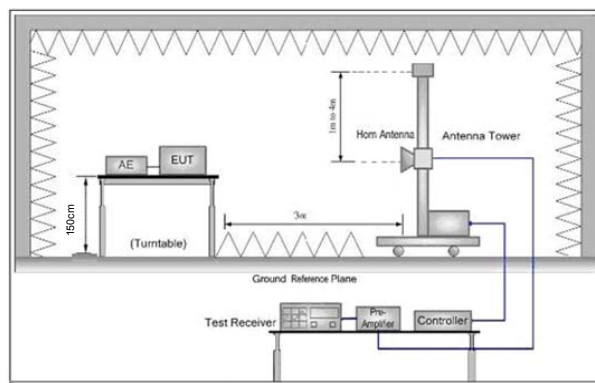


Figure 3. Above 1 GHz

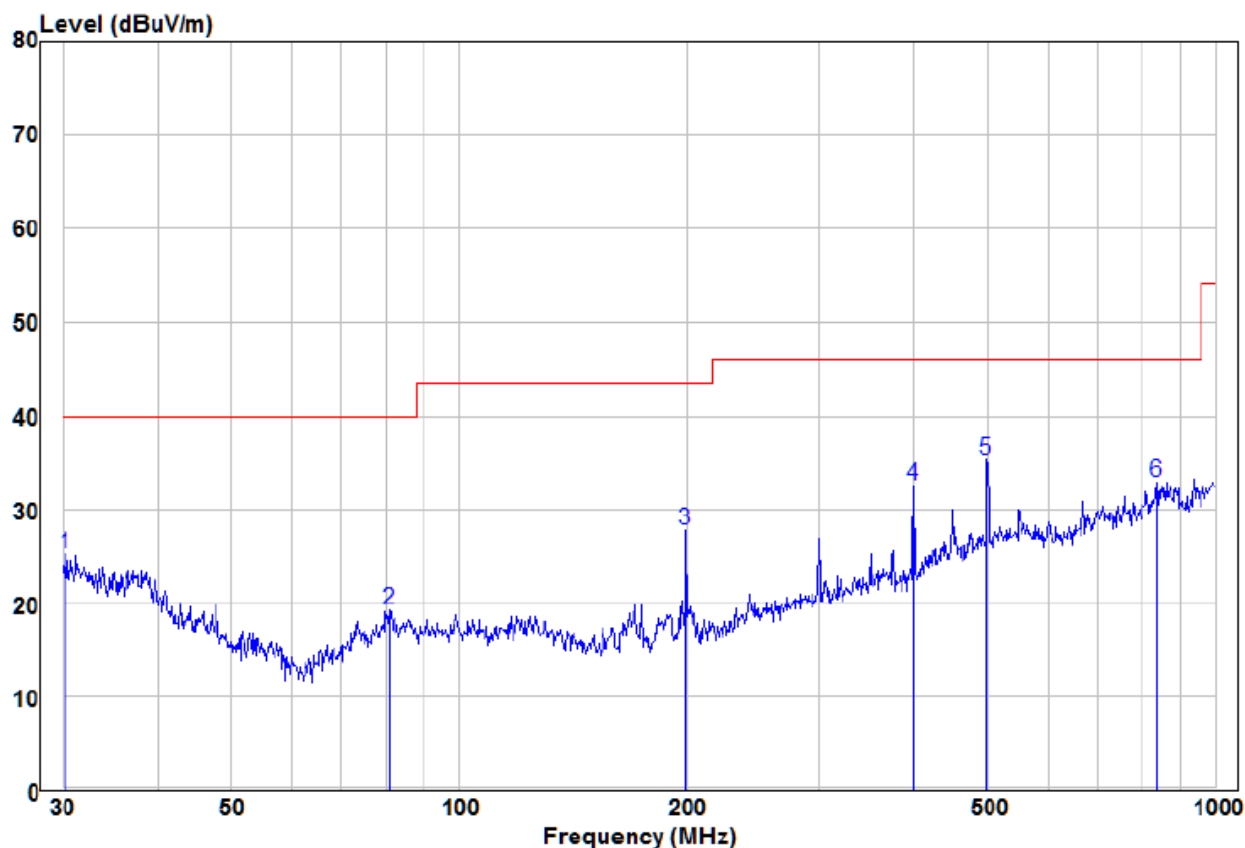
Test Procedure:

- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
Note: For the radiated emission test above 1GHz:
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of

	<p>below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>g. Test the EUT in the lowest channel,the middle channel,the Highest channel</p> <p>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case.</p> <p>i. Repeat above procedures until all frequencies measured was complete.</p>
Exploratory Test Mode:	Transmitting mode, Charge + Transmitting mode.
Final Test Mode:	<p>Pretest the EUT at Transmitting mode and Charge + Transmitting mode, found the Charge + Transmitting mode which it is worse case.</p> <p>For below 1GHz part, through pre-scan, the worst case is the lowest channel.</p> <p>Only the worst case is recorded in the report.</p>
Test Results:	Pass

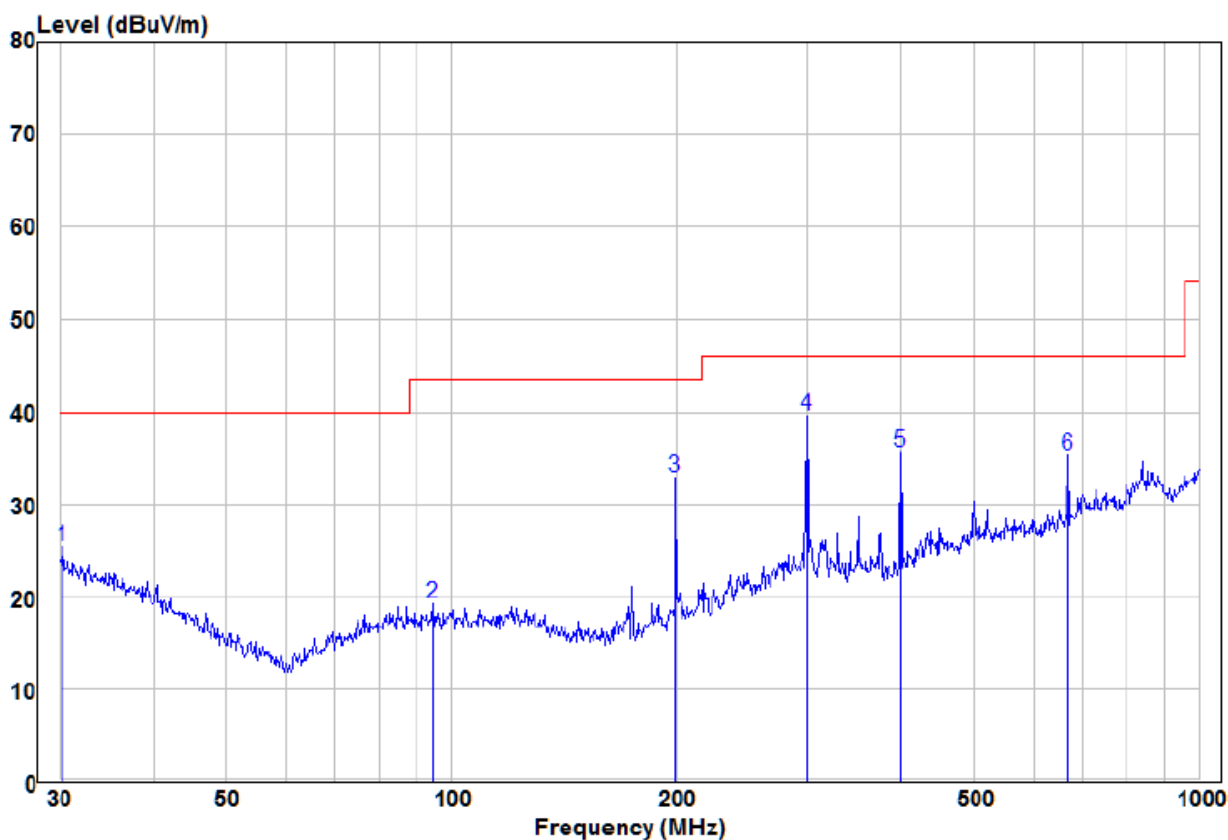
Measurement Data

30MHz~1GHz		
Test mode:	Charging+Transmitting	Vertical



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	30.21	9.49	15.85	25.34	40.00	-14.66	Peak	VERTICAL
2	80.64	9.40	9.80	19.20	40.00	-20.80	Peak	VERTICAL
3	199.29	19.37	8.45	27.82	43.50	-15.68	Peak	VERTICAL
4	399.03	17.52	15.13	32.65	46.00	-13.35	Peak	VERTICAL
5 pp	497.68	17.17	18.21	35.38	46.00	-10.62	Peak	VERTICAL
6	836.24	8.88	24.12	33.00	46.00	-13.00	Peak	VERTICAL

Test mode:	Charging+Transmitting	Horizontal
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	Read			Limit	Over		
Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	30.21	9.65	15.85	25.50	40.00	-14.50	Peak
2	94.43	9.04	10.30	19.34	43.50	-24.16	Peak
3	199.29	24.41	8.45	32.86	43.50	-10.64	Peak
4 pp	299.32	25.87	13.71	39.58	46.00	-6.42	Peak
5	399.03	20.55	15.13	35.68	46.00	-10.32	Peak
6	668.14	15.22	20.01	35.23	46.00	-10.77	Peak

Above 1GHz							
Test mode:		Transmitting		Test channel:		Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
2390	60.64	-9.2	51.44	74	-22.56	Peak	H
2390	44.24	-9.2	35.04	54	-18.96	AVG	H
2400	62.43	-9.39	53.04	74	-20.96	Peak	H
2400	45.31	-9.39	35.92	54	-18.08	AVG	H
2413	98.12	-9.35	88.77	114	-25.23	peak	H
2413	94.29	-9.35	84.94	94	-9.06	AVG	H
4826	61.80	-4.27	57.53	74	-16.47	peak	H
4826	45.98	-4.27	41.71	54	-12.29	AVG	H
7239	59.68	1.12	60.80	74	-13.20	peak	H
7239	45.12	1.12	46.24	54	-7.765	AVG	H
2390	62.50	-9.2	53.30	74	-20.70	peak	V
2390	45.28	-9.2	36.08	54	-17.92	AVG	V
2400	59.87	-9.39	50.48	74	-23.52	peak	V
2400	45.51	-9.39	36.12	54	-17.88	AVG	V
2413	96.58	-9.35	87.23	114	-26.77	peak	V
2413	93.70	-9.35	84.35	94	-9.65	AVG	V
4826	60.44	-4.27	56.17	74	-17.83	peak	V
4826	45.34	-4.27	41.07	54	-12.93	AVG	V
7239	60.37	1.12	61.49	74	-12.51	peak	V
7239	46.61	1.12	47.73	54	-6.27	AVG	V

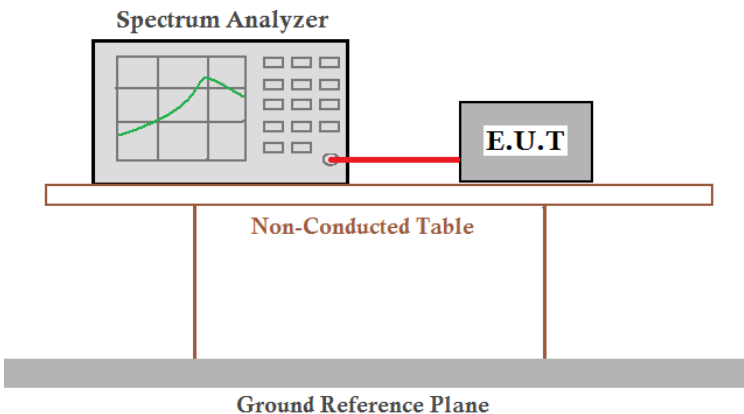
Test mode:		Transmitting		Test channel:		Middle	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
2437	97.44	-9.46	87.98	114	-26.02	peak	H
2437	94.25	-9.46	84.79	94	-9.21	AVG	H
4874	61.12	-4.12	57.00	74	-17.00	peak	H
4874	43.68	-4.12	39.56	54	-14.44	AVG	H
7311	61.69	1.46	63.15	74	-10.85	peak	H
7311	43.73	1.46	45.19	54	-8.81	AVG	H
2437	96.39	-9.46	86.93	114	-27.07	peak	V
2437	95.03	-9.46	85.57	94	-8.43	AVG	V
4874	60.63	-4.12	56.51	74	-17.49	peak	V
4874	46.51	-4.12	42.39	54	-11.61	AVG	V
7311	61.73	1.46	63.19	74	-10.81	peak	V
7311	45.26	1.46	46.72	54	-7.28	AVG	V

Test mode:		Transmitting		Test channel:		Highest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
2460	98.84	-9.23	89.61	114	-24.39	peak	H
2460	96.09	-9.23	86.86	94	-7.14	AVG	H
2483.5	61.19	-9.29	51.90	74	-22.10	Peak	H
2483.5	45.13	-9.29	35.84	54	-18.16	AVG	H
4920	59.90	-4.04	55.86	74	-18.14	peak	H
4920	44.93	-4.04	40.89	54	-13.11	AVG	H
7380	62.50	1.65	64.15	74	-9.85	peak	H
7380	45.98	1.65	47.63	54	-6.37	AVG	H
2460	97.55	-9.23	88.32	114	-25.68	peak	V
2460	93.83	-9.23	84.60	94	-9.40	AVG	V
2483.5	62.39	-9.29	53.10	74	-20.90	peak	V
2483.5	45.25	-9.29	35.96	54	-18.04	AVG	V
4920	60.02	-4.04	55.98	74	-18.02	peak	V
4920	45.71	-4.04	41.67	54	-12.33	AVG	V
7380	60.37	1.65	62.02	74	-11.98	peak	V
7380	44.43	1.65	46.08	54	-7.92	AVG	V

Remark:

- 1) 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
- 2) Scan from 9kHz to 25GHz, The disturbance above 10GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .

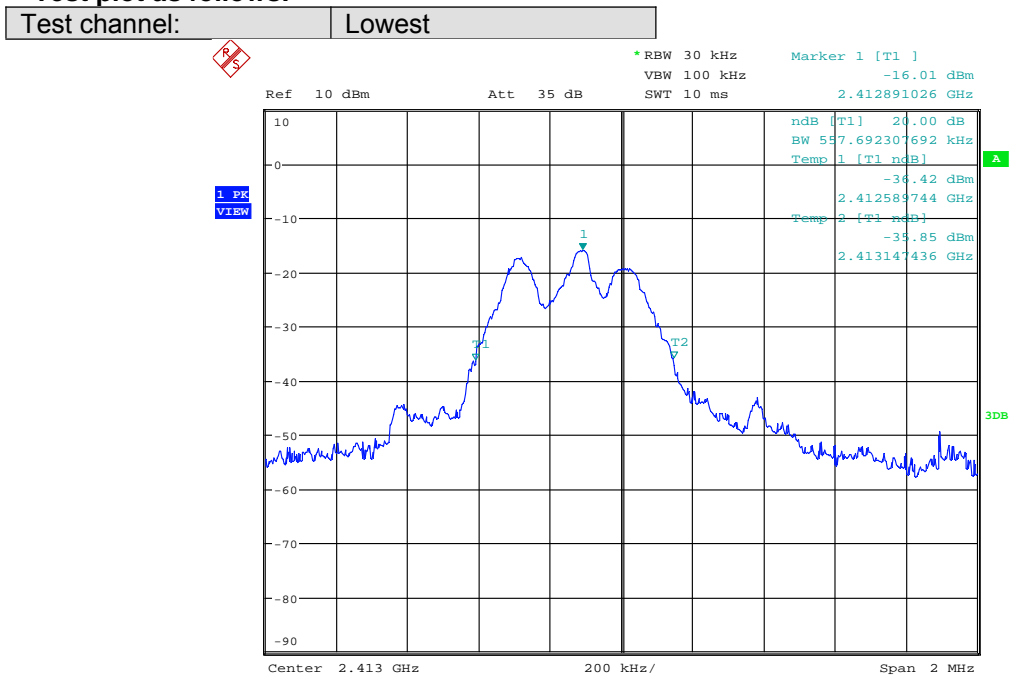
5.4 20dB Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.215
Test Method:	ANSI C63.10:2013
Test Setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane.</p>
Test Mode:	Transmitting with GFSK modulation.
Limit:	N/A
Test Results:	Pass

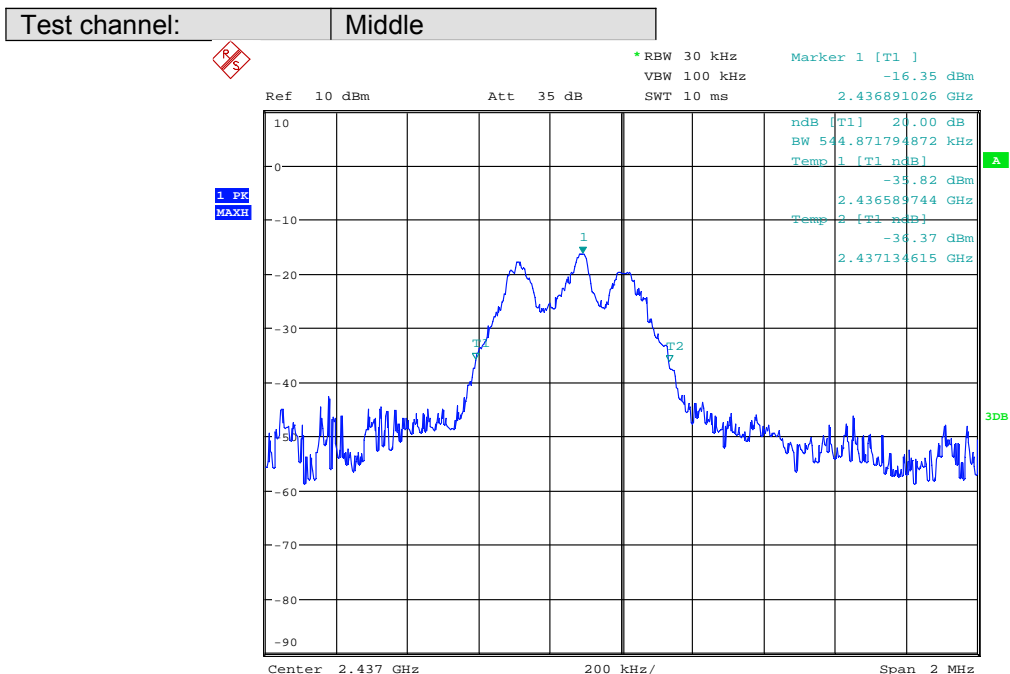
Measurement Data

Test channel	20dB bandwidth (MHz)	Results
Lowest	0.558	Pass
Middle	0.545	Pass
Highest	0.548	Pass

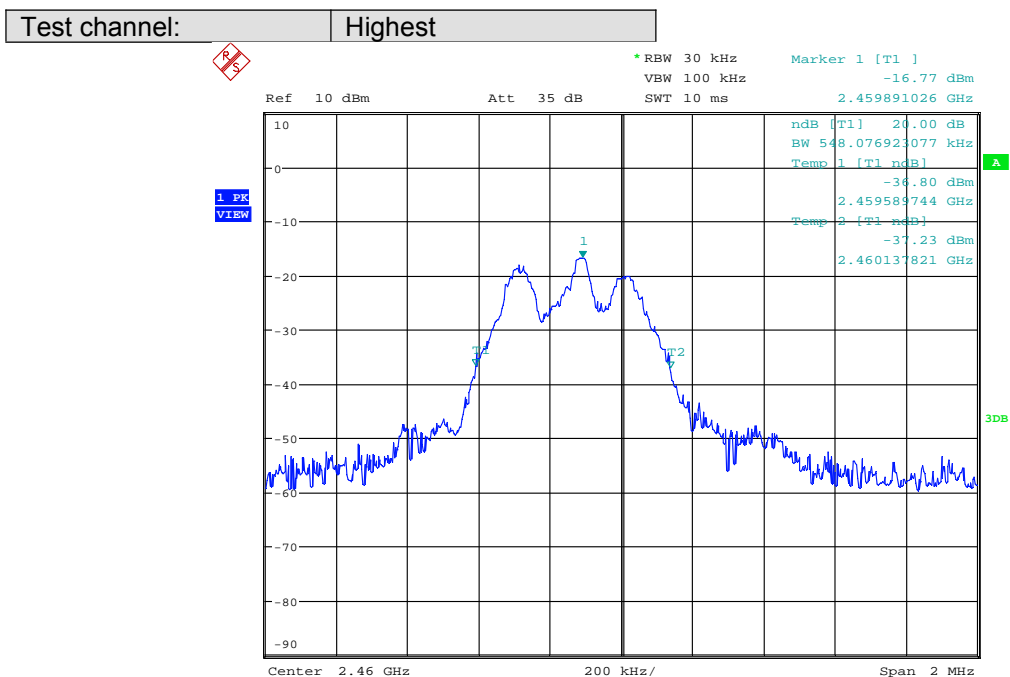
Test plot as follows:



Date: 4.AUG.2020 17:28:29



Date: 4.AUG.2020 17:30:59

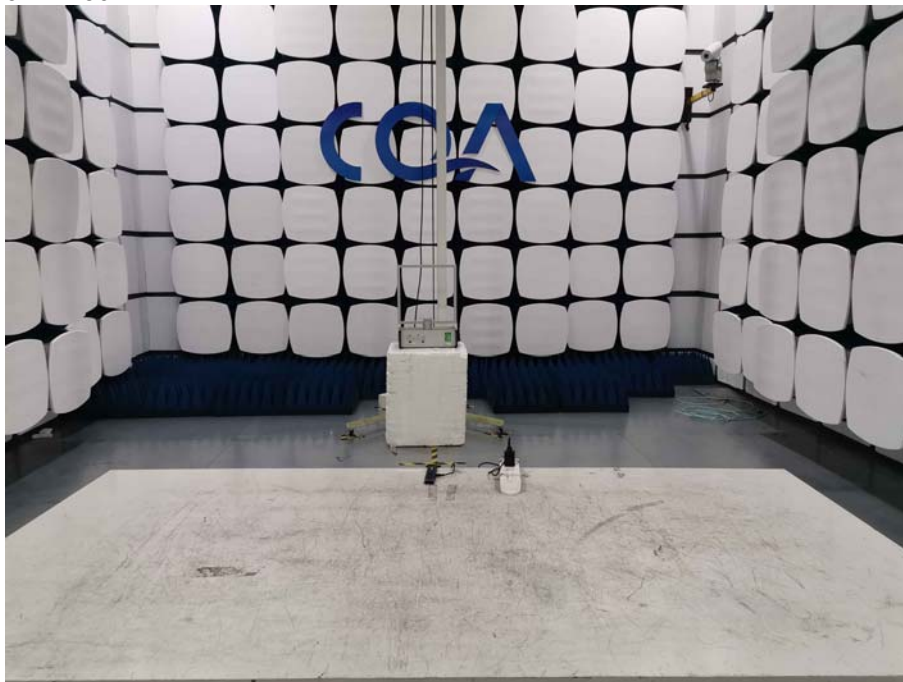


Date: 4.AUG.2020 17:32:08

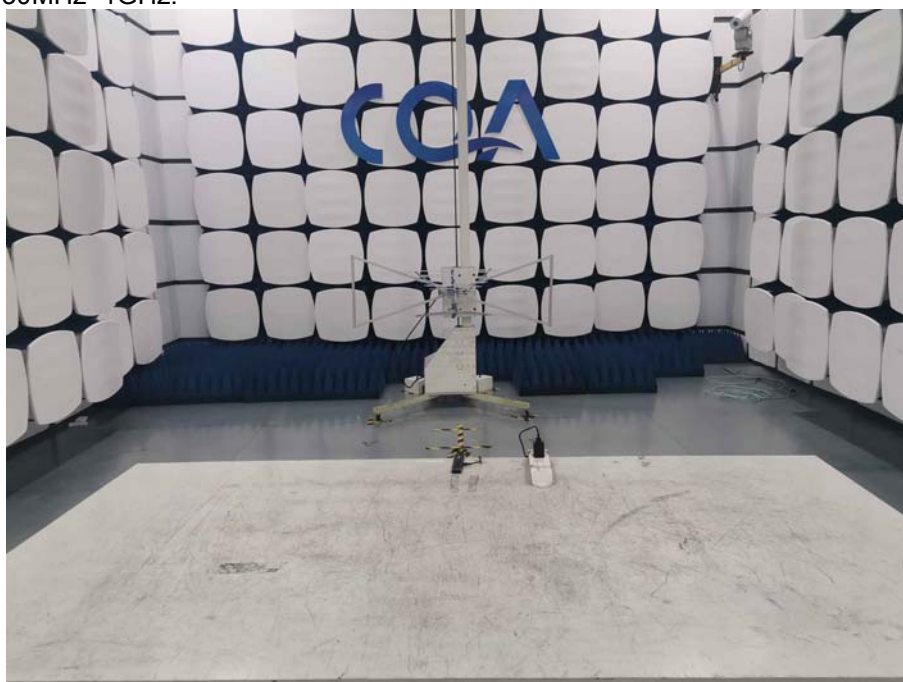
6 Photographs

6.1 Radiated Emission Test Setup

9kHz~30MHz



30MHz~1GHz:



Above 1GHz:



6.2 Conducted Emission Test Setup



6.3 EUT Constructional Details

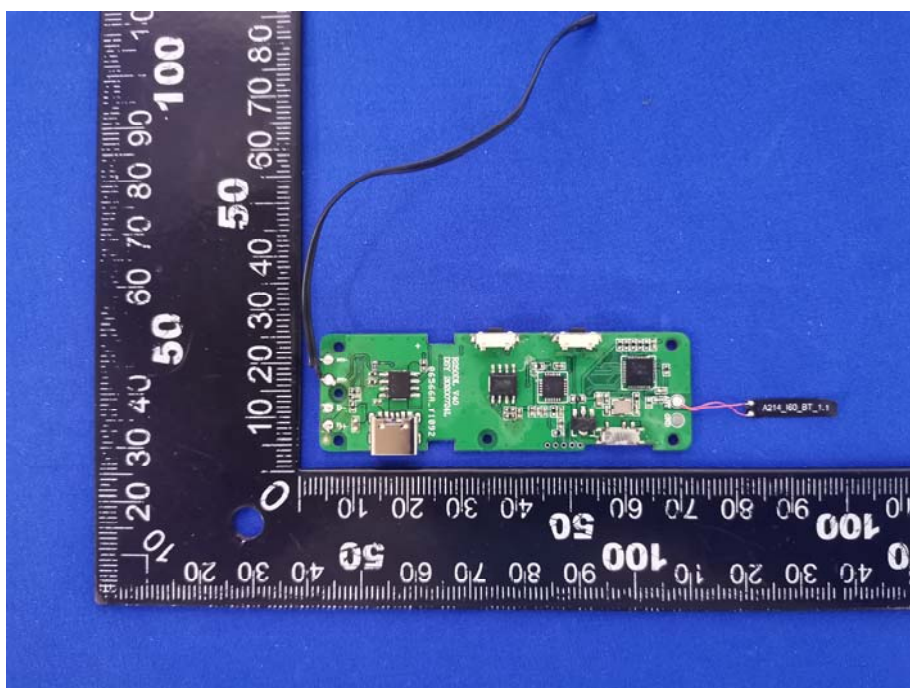
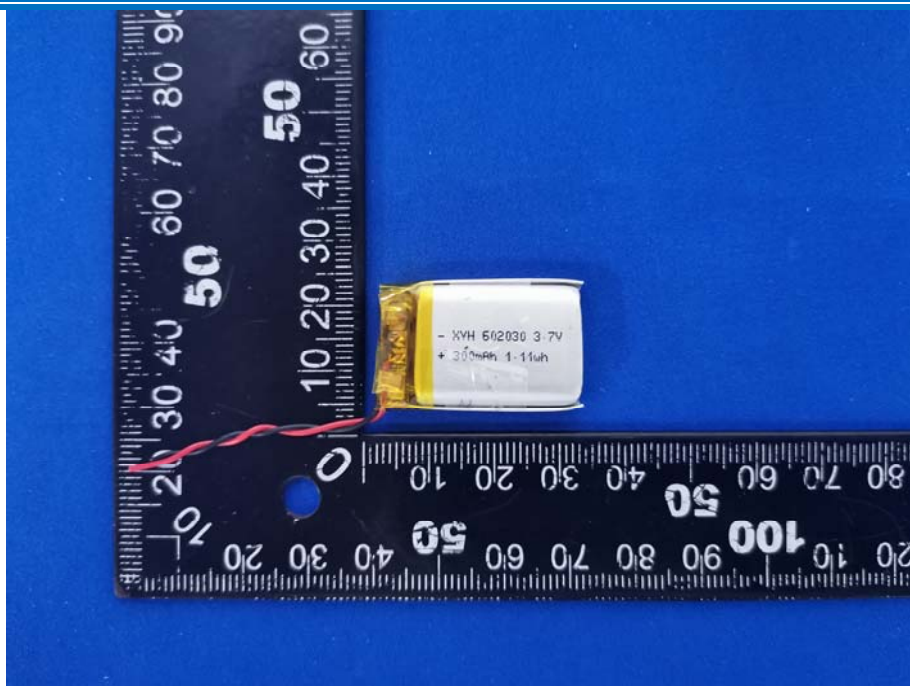
Test Model No.: 12-HDR550DL

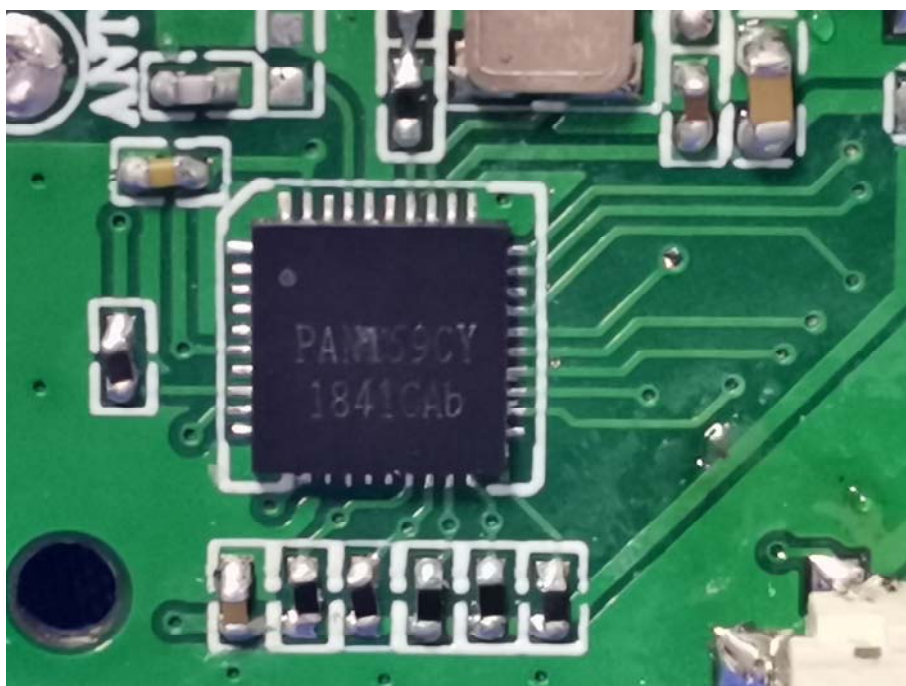
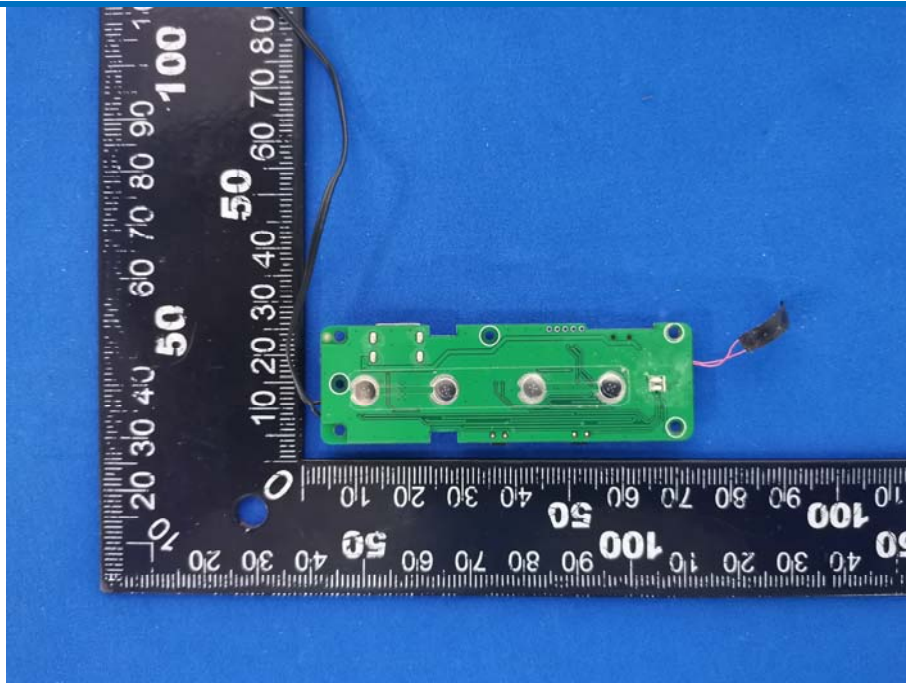












The End