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Report Template Version: V05
Report Template Revision Date: 2021-11-03

Test Report

Report No.: CQASZ20211202177E
Applicant: Plastimold Products, Inc
Address of Applicant: 250 N Congress Ave, Delray Beach, FL 33445
Equipment Under Test (EUT):
EUT Name: Head Spot SonicCast
Model No.: HSTVP1
Test Model No.: HSTVP1
Brand Name: N/A
FCC ID: 2A26F-HSTVP1
Standards: 47 CFR Part 15, Subpart C
Date of Receipt: 2021-12-15
Date of Test: 2021-12-15 to 2022-01-17
Date of Issue: 2022-01-25
Test Result: **PASS***

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

Tested By: Lewis Zhou

(Lewis Zhou)

Reviewed By: Rock Huang

(Rock Huang)

Approved By: Jack Ai

(Jack Ai)



1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20211202177E	Rev.01	Initial report	2022-01-25

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

3 Contents

	Page
1 VERSION.....	2
2 TEST SUMMARY.....	3
3 CONTENTS.....	4
4 GENERAL INFORMATION.....	5
4.1 CLIENT INFORMATION.....	5
4.2 GENERAL DESCRIPTION OF EUT.....	5
4.3 TEST ENVIRONMENT AND MODE.....	7
4.4 DESCRIPTION OF SUPPORT UNITS.....	7
4.5 STATEMENT OF THE MEASUREMENT UNCERTAINTY.....	8
4.6 TEST LOCATION.....	9
4.7 TEST FACILITY.....	9
4.8 DEVIATION FROM STANDARDS.....	9
4.9 ABNORMALITIES FROM STANDARD CONDITIONS.....	9
4.10 OTHER INFORMATION REQUESTED BY THE CUSTOMER.....	9
4.11 EQUIPMENT LIST.....	10
5 TEST RESULTS AND MEASUREMENT DATA.....	11
5.1 ANTENNA REQUIREMENT.....	11
5.2 CONDUCTED EMISSIONS.....	12
5.3 RADIATED EMISSION.....	15
5.4 20DB BANDWIDTH.....	23
6 PHOTOGRAPHS.....	26
6.1 RADIATED EMISSION TEST SETUP.....	26
6.2 CONDUCTED EMISSION TEST SETUP.....	27
6.3 EUT CONSTRUCTIONAL DETAILS.....	28

4 General Information

4.1 Client Information

Applicant:	Plastimold Products, Inc
Address of Applicant:	250 N Congress Ave, Delray Beach, FL 33445
Manufacturer:	Plastimold Products, Inc
Address of Manufacturer:	250 N Congress Ave, Delray Beach, FL 33445
Factory:	Plastimold Products, Inc
Address of Factory:	250 N Congress Ave, Delray Beach, FL 33445

4.2 General Description of EUT

EUT Name:	Head Spot SonicCast
Model No.:	HSTVP1
Test Model No.:	HSTVP1
Trade Mark:	N/A
Software Version:	1-3
Hardware Version:	1.0
Frequency Range:	2406MHz~2474MHz
Modulation Type:	GFSK
Number of Channels:	3
Sample Type:	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location
Test Software of EUT:	PurePath Wireless Commander(manufacturer declare)
Antenna Type:	PCB Antenna
Antenna Gain:	3.3 dBi
Power Supply:	Li-ion battery: DC 3.8V 900mAh, Charge by DC 5V for adapter

Operation Frequency each of channel					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2406MHz	2	2438MHz	3	2474MHz

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)	2406MHz
The Middle channel(CH2)	2438MHz
The Highest channel(CH3)	2474MHz

4.3 Test Environment and Mode

Operating Environment:	
Temperature:	26 °C
Humidity:	59% RH
Atmospheric Pressure:	1009mbar
Test Mode:	Use test software 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.

Description	Manufacturer	Model No.	Remark	FCC certification
/	/	/	/	/

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	2021/9/10	2022/9/9
Spectrum analyzer	R&S	FSU26	CQA-038	2021/9/10	2022/9/9
Preamplifier	MITEQ	AMF-6D-02001800-29-20P	CQA-036	2021/9/10	2022/9/9
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2021/9/16	2024/9/15
Bilog Antenna	R&S	HL562	CQA-011	2021/9/16	2024/9/15
Horn Antenna	R&S	HF906	CQA-012	2021/9/16	2024/9/15
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2021/9/16	2024/9/15
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2021/9/10	2022/9/9
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2021/9/10	2022/9/9
Antenna Connector	CQA	RFC-01	CQA-080	2021/9/10	2022/9/9
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2021/9/10	2022/9/9
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2021/9/10	2022/9/9

Note:

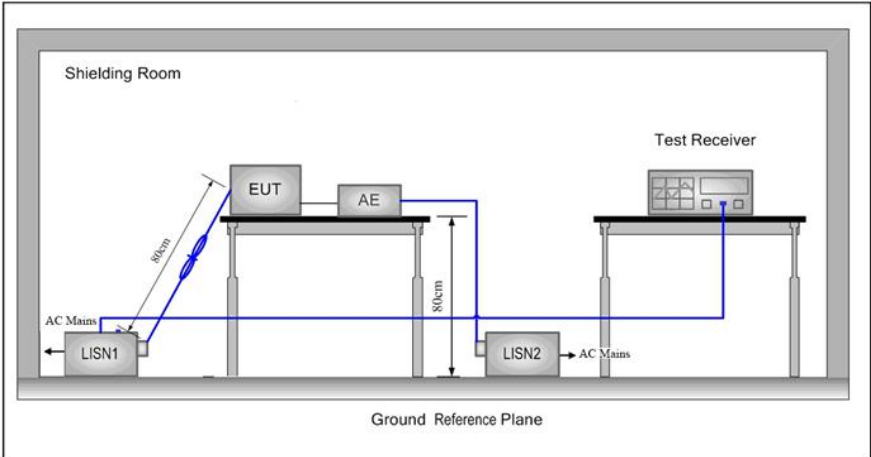
The temporary antenna connector is soldered on the pcb board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203
<p>15.203 requirement: 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:	
<p>The antenna is PCB antenna. The best case gain of the antenna is 3.3dBi.</p>	

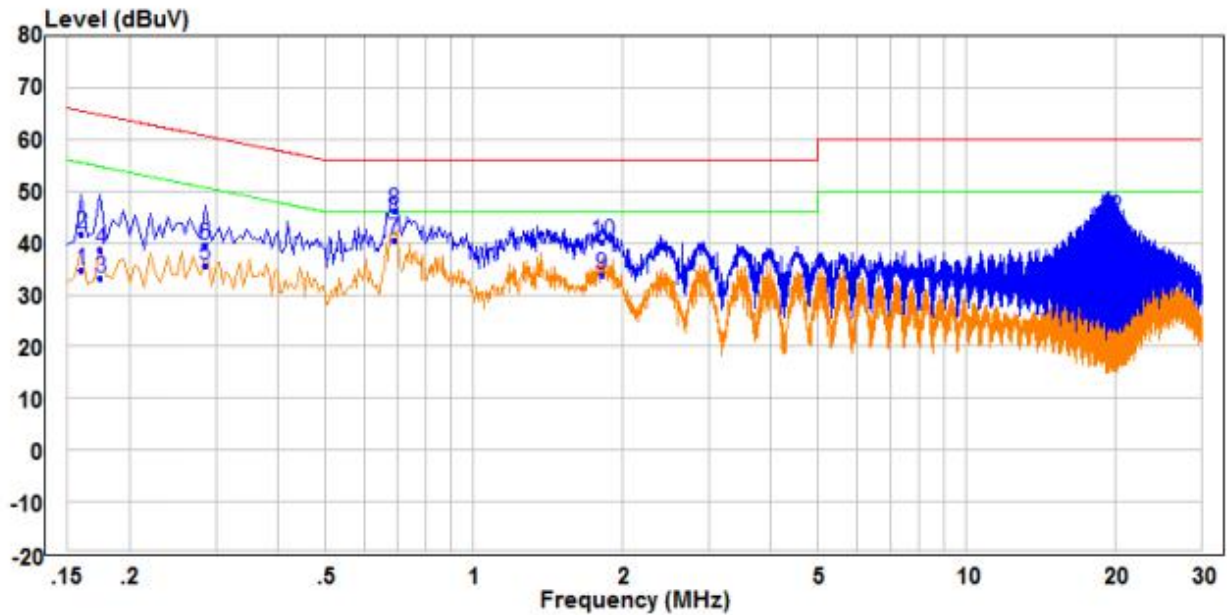
5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207		
Test Method:	ANSI C63.10: 2013		
Test Frequency Range:	150kHz to 30MHz		
Limit:	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 Procedure:	<ol style="list-style-type: none"> 1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane. 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 		
Test Setup:			

Test Mode:	Charge +Transmitting mode.
Test Results:	Pass

Measurement Data:

Live line:

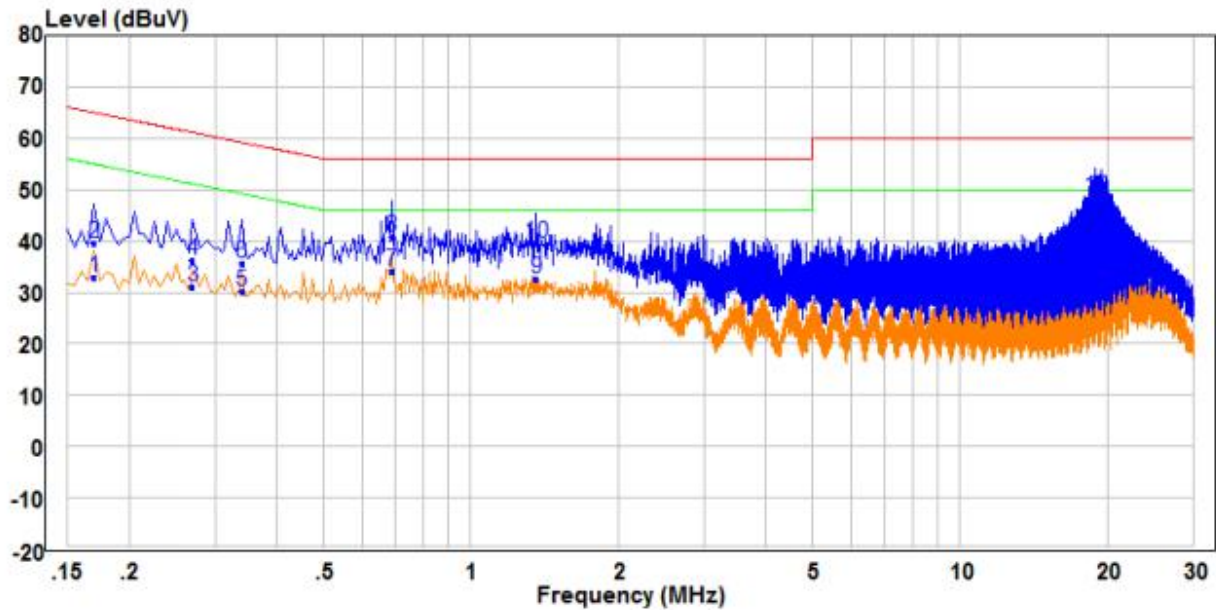


	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.160	25.11	9.49	34.60	55.46	-20.86	Average	Line
2	0.160	32.31	9.49	41.80	65.46	-23.66	QP	Line
3	0.175	23.62	9.49	33.11	54.72	-21.61	Average	Line
4	0.175	29.12	9.49	38.61	64.72	-26.11	QP	Line
5	0.285	26.09	9.49	35.58	50.67	-15.09	Average	Line
6	0.285	30.16	9.49	39.65	60.67	-21.02	QP	Line
7 PP	0.690	30.70	9.85	40.55	46.00	-5.45	Average	Line
8 QP	0.690	36.34	9.85	46.19	56.00	-9.81	QP	Line
9	1.820	24.40	9.53	33.93	46.00	-12.07	Average	Line
10	1.820	30.52	9.53	40.05	56.00	-15.95	QP	Line
11	19.530	19.45	10.07	29.52	50.00	-20.48	Average	Line
12	19.530	34.65	10.07	44.72	60.00	-15.28	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:



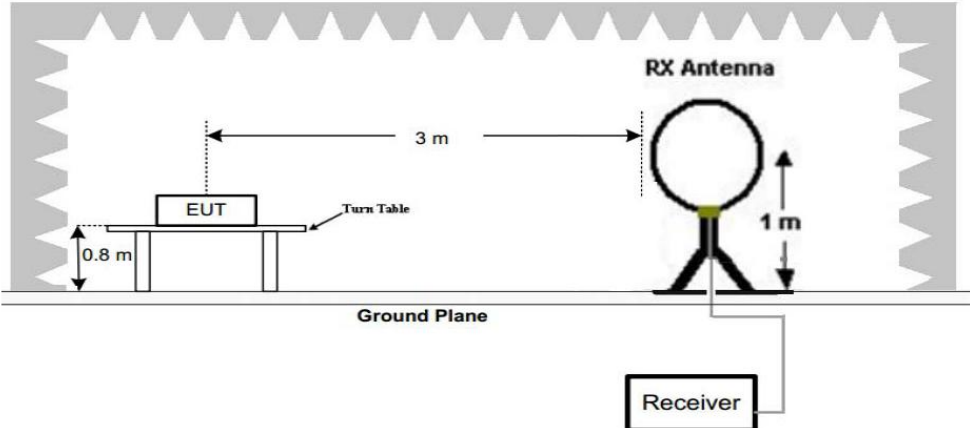
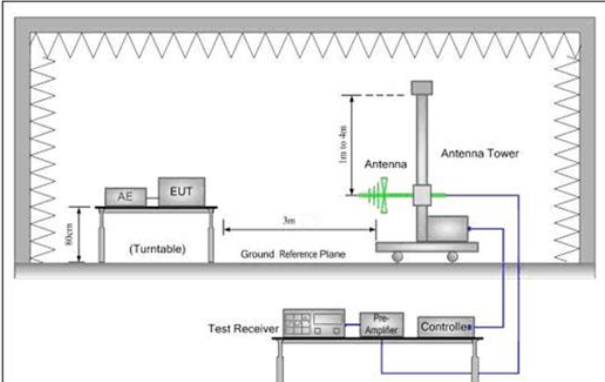
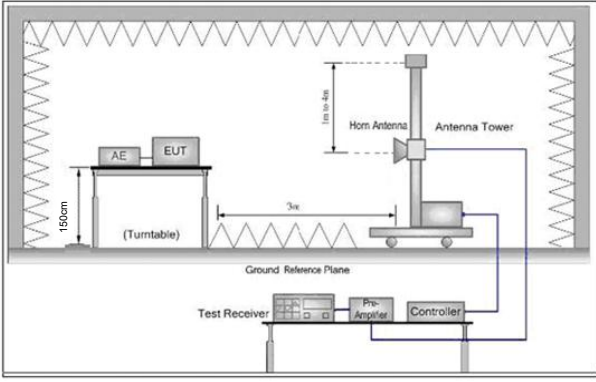
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.170	23.29	9.66	32.95	54.96	-22.01	Average	Neutral
2	0.170	29.92	9.66	39.58	64.96	-25.38	QP	Neutral
3	0.270	21.67	9.51	31.18	51.12	-19.94	Average	Neutral
4	0.270	26.87	9.51	36.38	61.12	-24.74	QP	Neutral
5	0.340	20.70	9.53	30.23	49.20	-18.97	Average	Neutral
6	0.340	26.20	9.53	35.73	59.20	-23.47	QP	Neutral
7 AV	0.690	24.37	9.89	34.26	46.00	-11.74	Average	Neutral
8	0.690	31.03	9.89	40.92	56.00	-15.08	QP	Neutral
9	1.360	22.83	9.72	32.55	46.00	-13.45	Average	Neutral
10	1.360	29.72	9.72	39.44	56.00	-16.56	QP	Neutral
11	18.950	21.76	9.82	31.58	50.00	-18.42	Average	Neutral
12 PP	18.950	38.51	9.82	48.33	60.00	-11.67	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	

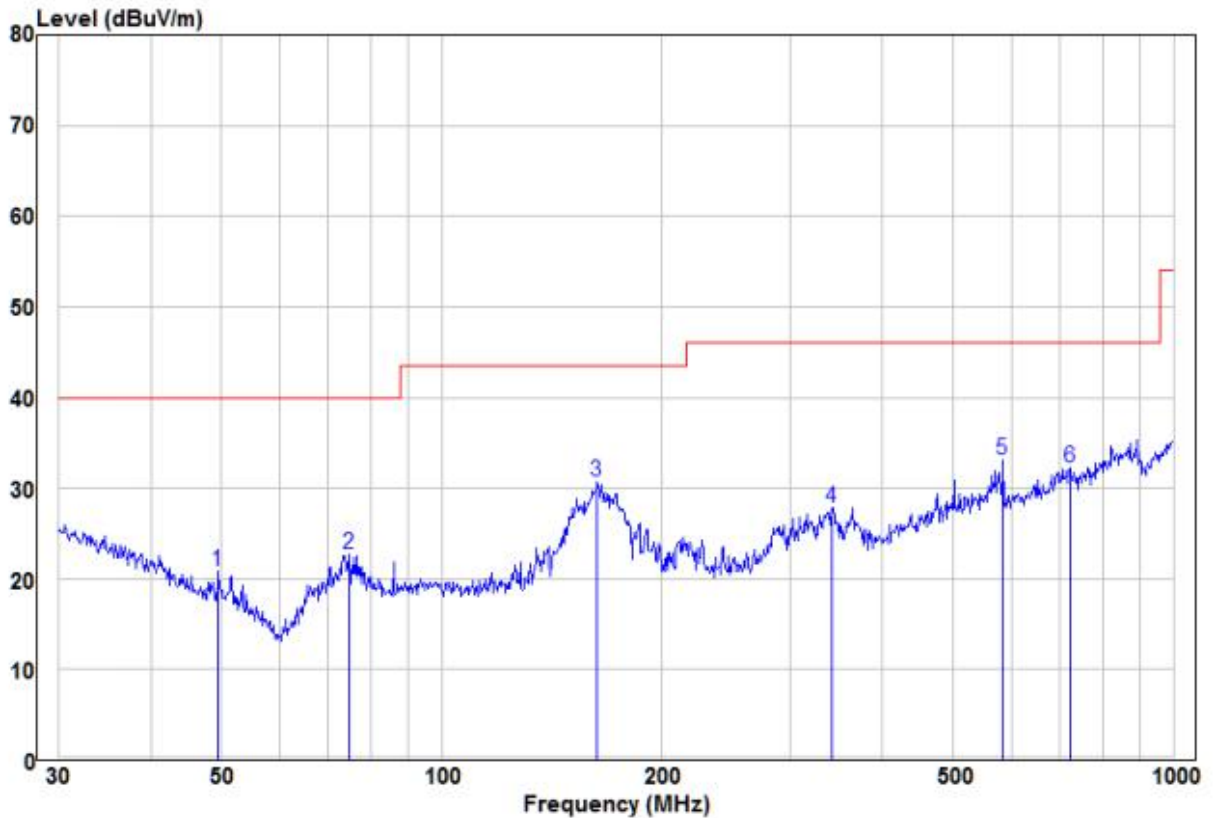
<p>Test Setup:</p>		
		
<p>Figure 1. Below 30MHz</p>		
		
<p>Figure 2. 30MHz to 1GHz</p>		
		
<p>Figure 3. Above 1 GHz</p>		
<p>Test Procedure:</p>	<ol style="list-style-type: none"> a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic 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. <p>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.</p> <ol style="list-style-type: none"> 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 below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table 	

		<p>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 Mode:	Test	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

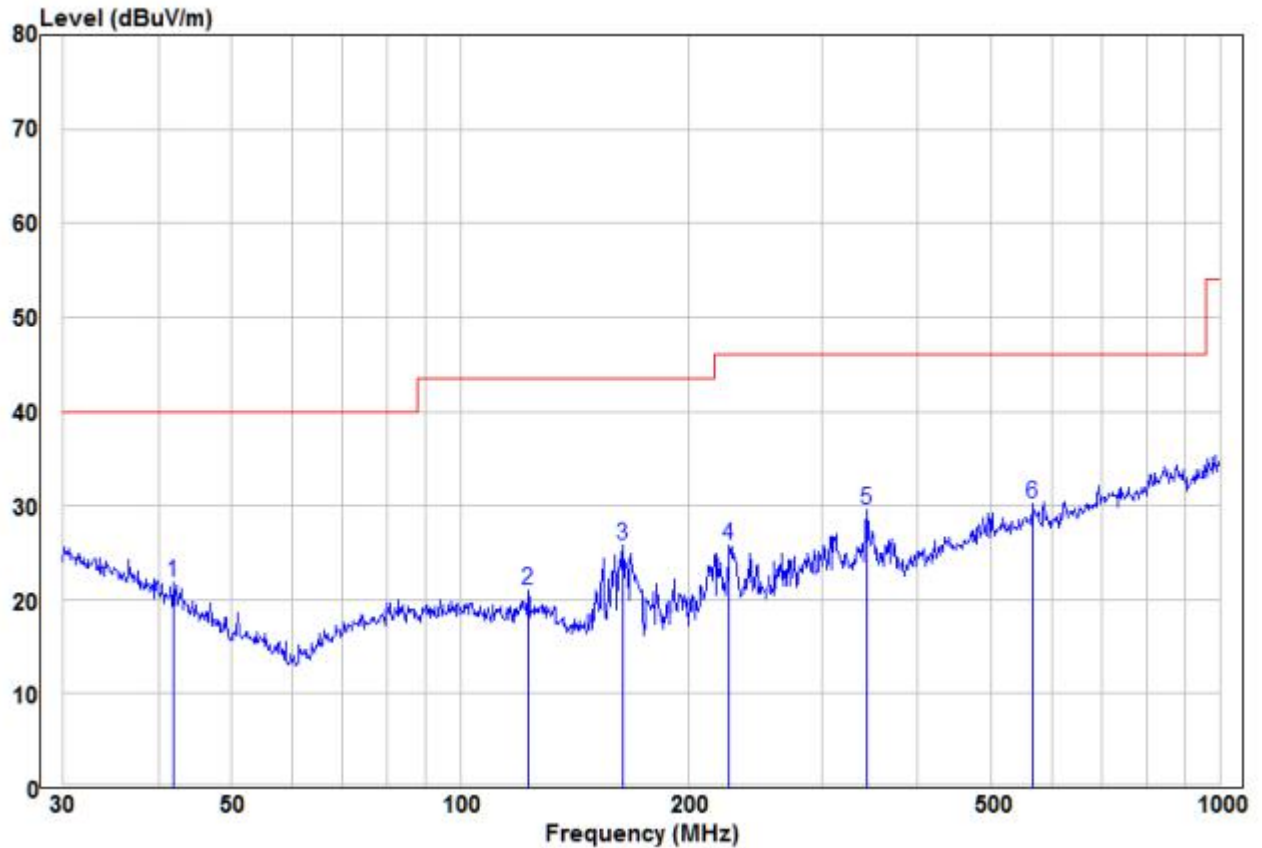
30MHz~1GHz

Test mode:	Transmitting	Vertical
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	Read Freq	Read Level	Factor	Level	Limit	Over	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	49.53	12.52	8.31	20.83	40.00	-19.17	Peak	VERTICAL
2	74.92	13.75	8.96	22.71	40.00	-17.29	Peak	VERTICAL
3 pp	163.18	22.93	7.74	30.67	43.50	-12.83	Peak	VERTICAL
4	340.78	13.13	14.73	27.86	46.00	-18.14	Peak	VERTICAL
5	584.79	14.47	18.64	33.11	46.00	-12.89	Peak	VERTICAL
6	721.73	11.06	21.23	32.29	46.00	-13.71	Peak	VERTICAL

Test mode:	Transmitting	Horizontal
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	Read Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	41.86	9.97	11.93	21.90	40.00	-18.10	Peak	HORIZONTAL
2	122.83	10.34	10.59	20.93	43.50	-22.57	Peak	HORIZONTAL
3	163.76	18.11	7.72	25.83	43.50	-17.67	Peak	HORIZONTAL
4	226.10	15.76	9.93	25.69	46.00	-20.31	Peak	HORIZONTAL
5	343.18	14.78	14.78	29.56	46.00	-16.44	Peak	HORIZONTAL
6 pp	566.62	11.16	18.97	30.13	46.00	-15.87	Peak	HORIZONTAL

Above 1GHz							
Test mode:		Transmitting		Test channel:		Lowest	
Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Over (dB)	Detector Type	Ant. Pol. H/V
2390	61.89	-9.2	52.69	74	-21.31	Peak	H
2390	44.89	-9.2	35.69	54	-18.31	AVG	H
2400	43.75	-9.39	35.26	74	-38.74	Peak	H
2400	44.65	-9.39	34.36	54	-19.64	AVG	H
2406	98.94	-9.33	89.61	114	-24.39	peak	H
2406	97.68	-9.33	88.35	94	-5.65	AVG	H
4812	57.58	-4.28	53.30	74	-20.70	peak	H
4812	40.93	-4.28	36.65	54	-17.35	AVG	H
7218	52.31	1.13	53.44	74	-20.56	peak	H
7218	36.94	1.13	38.07	54	-15.93	AVG	H
2390	59.69	-9.2	50.49	74	-23.51	peak	V
2390	43.99	-9.2	34.79	54	-19.21	AVG	V
2400	61.48	-9.39	52.09	74	-21.91	peak	V
2400	44.55	-9.39	35.16	54	-18.84	AVG	V
2406	94.99	-9.33	85.66	114	-28.34	peak	V
2406	92.38	-9.33	83.05	94	-10.95	AVG	V
4812	56.28	-4.28	52.00	74	-22.00	peak	V
4812	40.92	-4.28	36.64	54	-17.36	AVG	V
7218	53.61	1.13	54.74	74	-19.26	peak	V
7218	37.28	1.13	38.41	54	-15.59	AVG	V

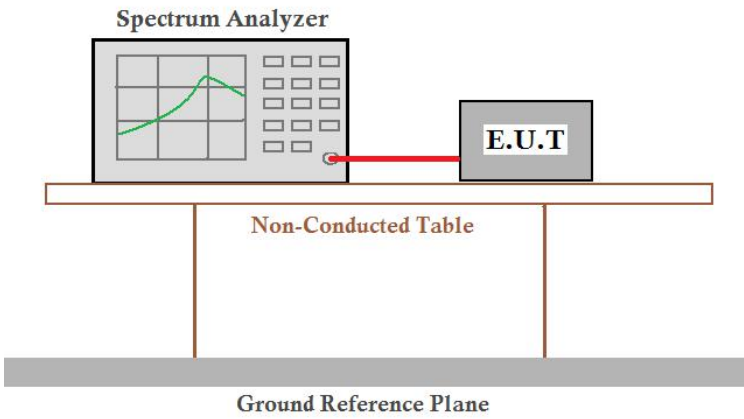
Test mode:		Transmitting		Test channel:		Middle	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V
2438	99.25	-9.37	89.88	114	-24.12	peak	H
2438	98.28	-9.37	88.91	94	-5.09	AVG	H
4876	56.41	-4.14	52.27	74	-21.73	peak	H
4876	41.83	-4.14	37.69	54	-16.31	AVG	H
7314	53.03	0.56	53.59	74	-20.41	peak	H
7314	38.48	0.56	39.04	54	-14.96	AVG	H
2438	96.42	-9.36	87.06	114	-26.94	peak	V
2438	94.47	-9.36	85.11	94	-8.89	AVG	V
4876	57.10	-4.14	52.96	74	-21.04	peak	V
4876	42.62	-4.14	38.48	54	-15.52	AVG	V
7314	53.45	0.56	54.01	74	-19.99	peak	V
7314	37.19	0.56	37.75	54	-16.25	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
2474	98.70	-9.23	89.47	114	-24.53	peak	H
2474	95.88	-9.23	86.65	94	-7.35	AVG	H
2483.5	60.74	-9.29	51.45	74	-22.55	Peak	H
2483.5	43.22	-9.29	33.93	54	-20.07	AVG	H
4948	54.76	-4.03	50.73	74	-23.27	peak	H
4948	42.65	-4.03	38.62	54	-15.38	AVG	H
7422	52.49	1.68	54.17	74	-19.83	peak	H
7422	35.80	1.68	37.48	54	-16.52	AVG	H
2474	95.98	-9.23	86.75	114	-27.25	peak	V
2474	95.34	-9.23	86.11	94	-7.89	AVG	V
2483.5	62.01	-9.29	52.72	74	-21.28	peak	V
2483.5	44.77	-9.29	35.48	54	-18.52	AVG	V
4948	57.08	-4.03	53.05	74	-20.95	peak	V
4948	43.49	-4.03	39.46	54	-14.54	AVG	V
7422	52.59	1.68	54.27	74	-19.73	peak	V
7422	35.76	1.68	37.44	54	-16.56	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 .

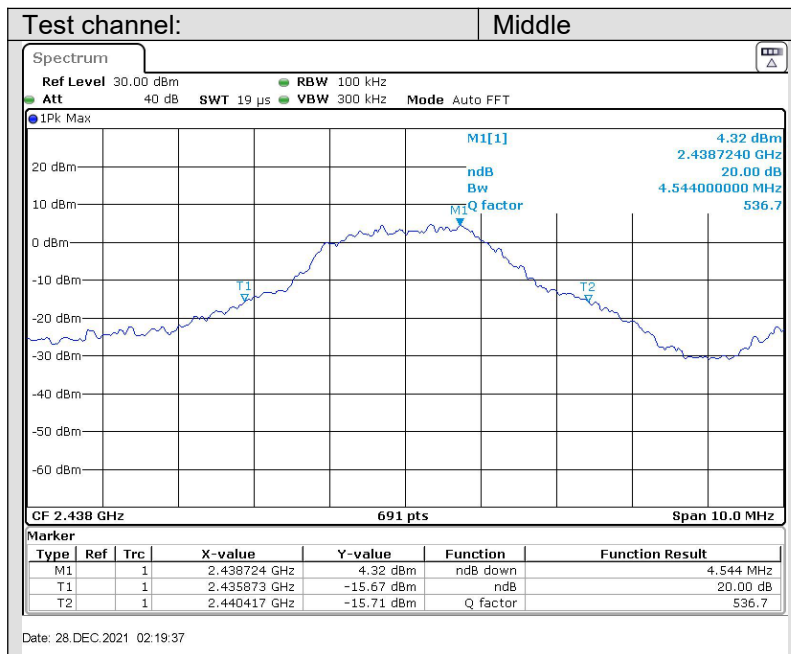
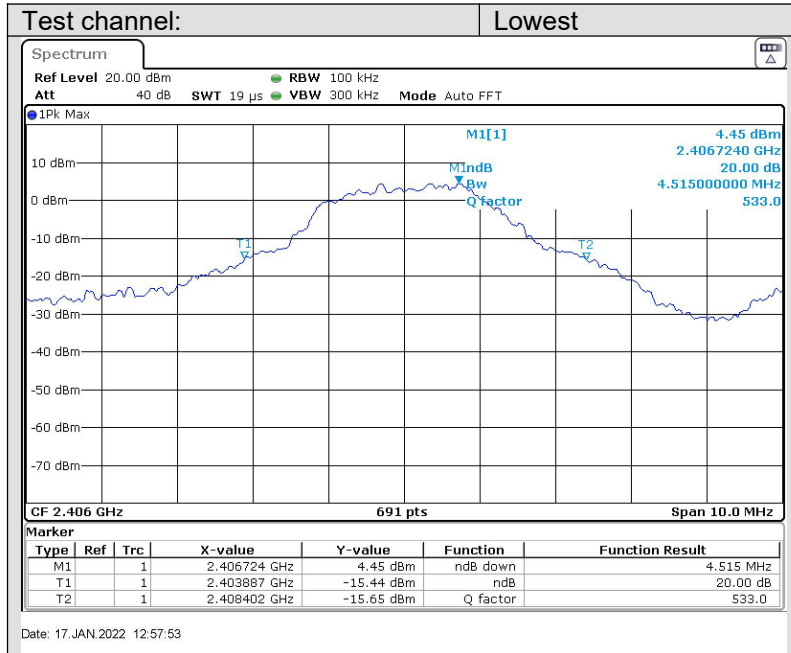
5.4 20dB Bandwidth

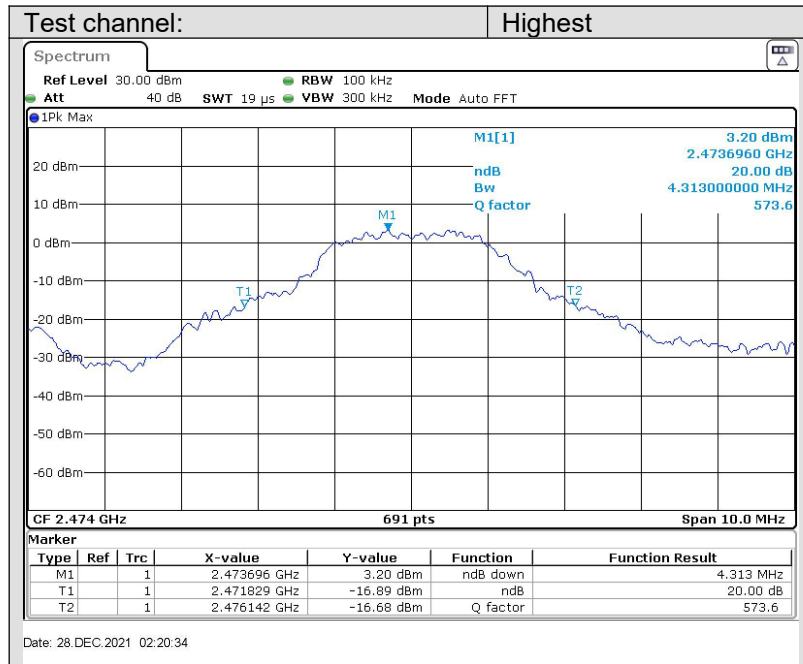
Test Requirement:	47 CFR Part 15C Section 15.215
Test Method:	ANSI C63.10:2013
Test Setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference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

Measurement Data

Test channel	20dB bandwidth (MHz)	Results
Lowest	4.515	Pass
Middle	4.544	Pass
Highest	4.313	Pass

Test plot as follows:





6 Photographs

6.1 Radiated Emission Test Setup

9kHz~30MHz



30MHz~1GHz:



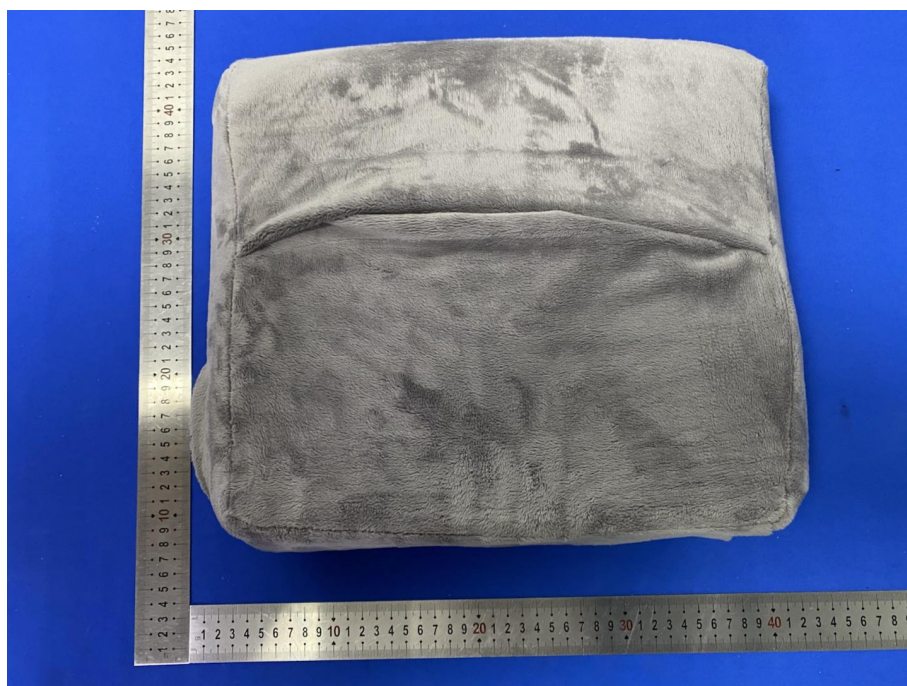
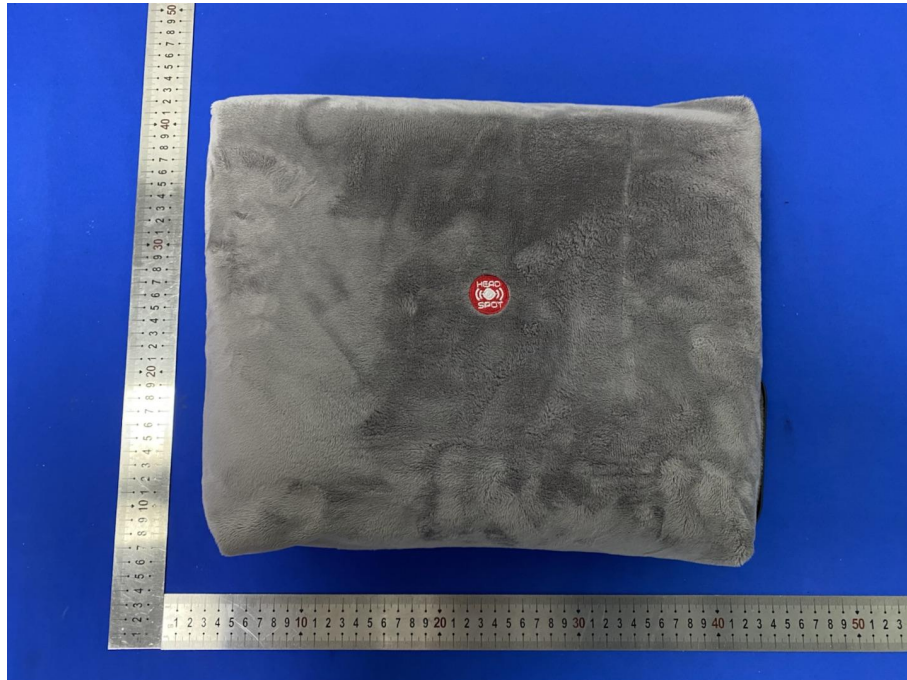
Above 1GHz:

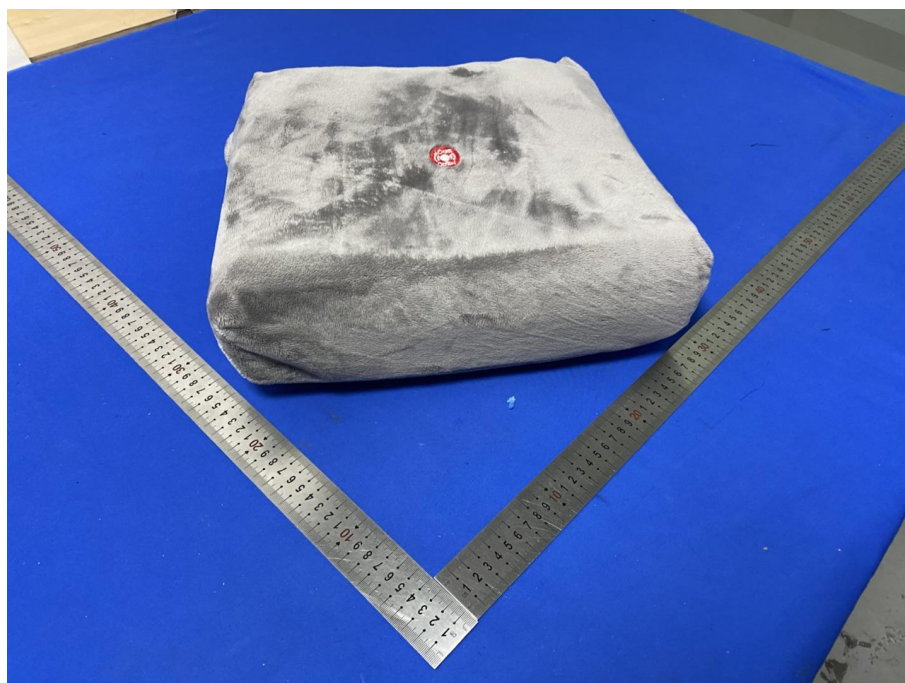


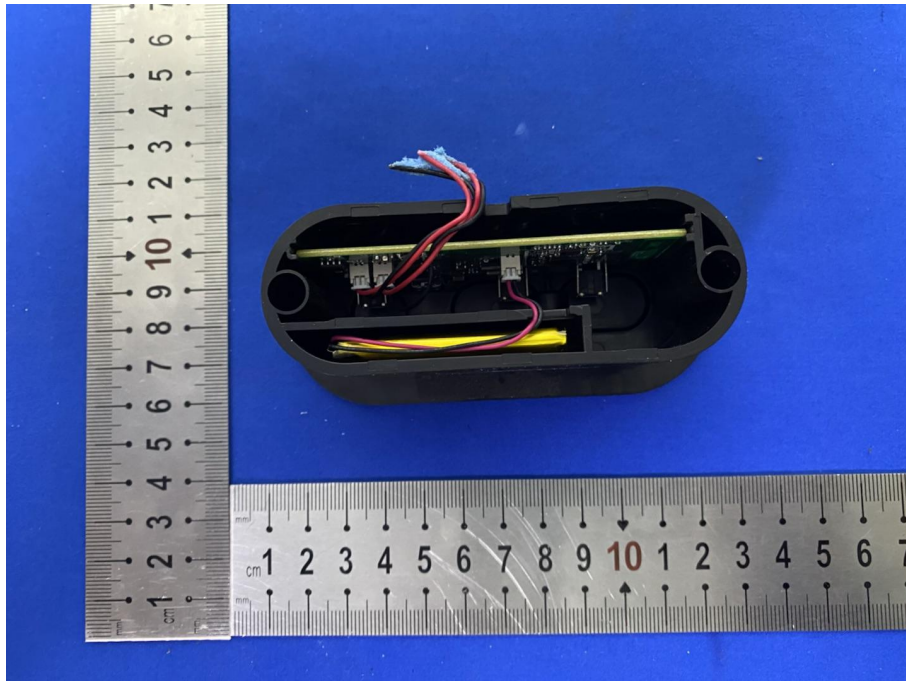
6.2 Conducted Emission Test Setup

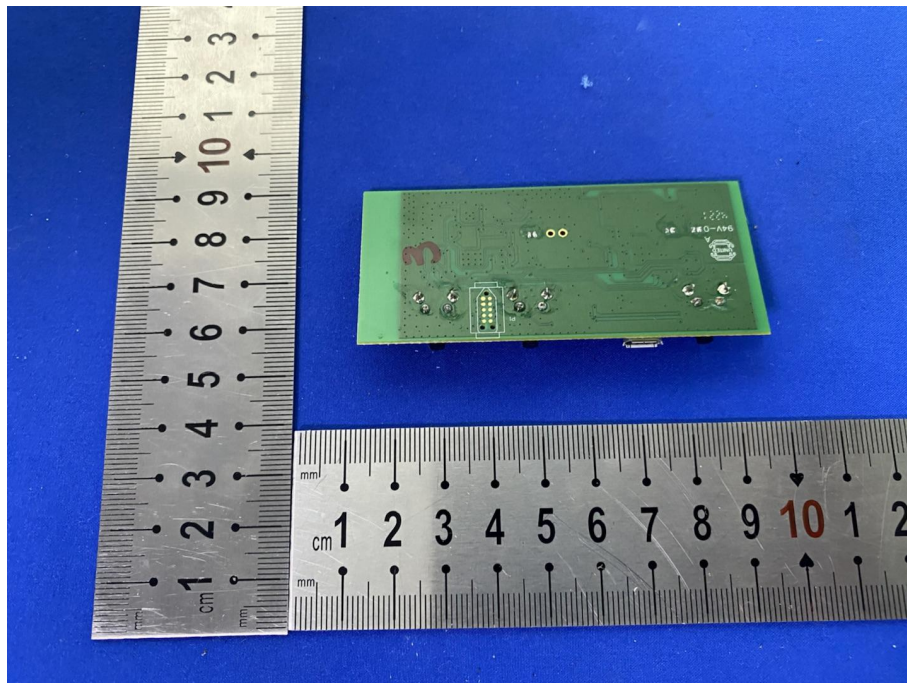
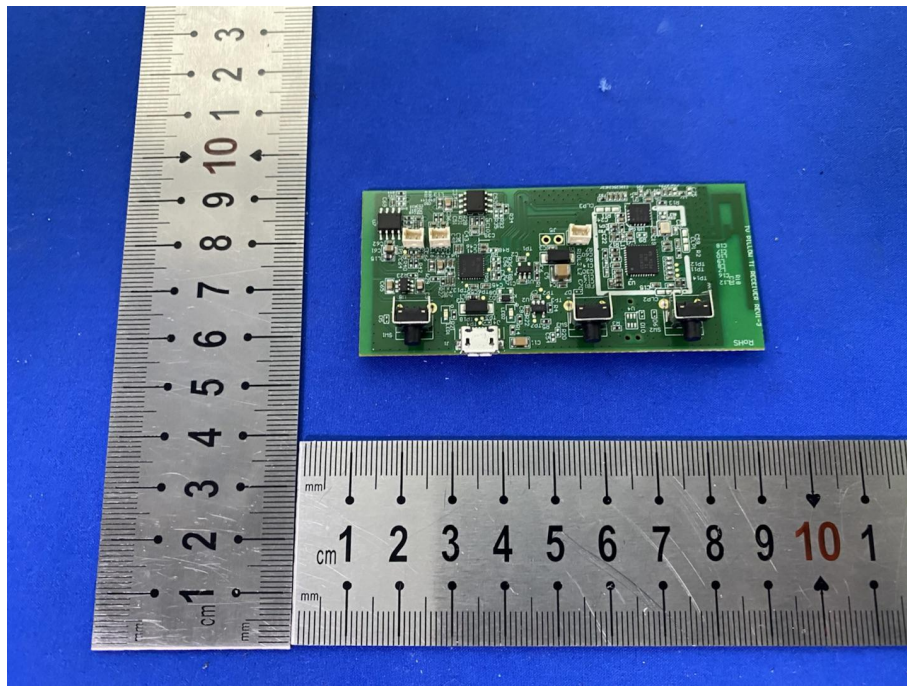


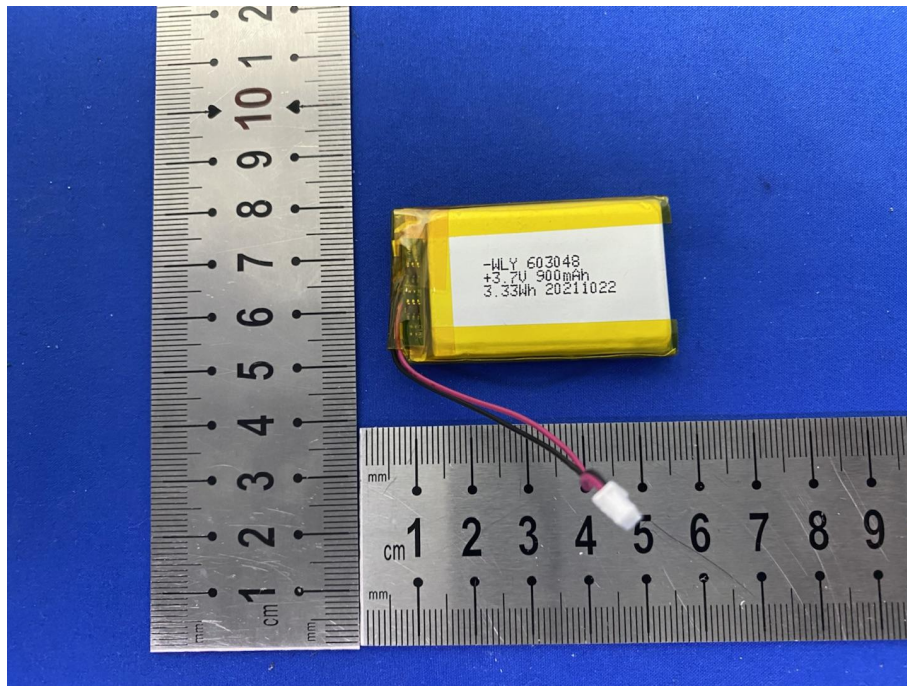
6.3 EUT Constructional Details











*** END OF REPORT ***