TEST REPORT

FCC PART 15 SUBPART C
RSS-216 ISSUE 2

Test report

On Behalf of

Orient Link Limited

For

Wireless Charger

Model No.: 5502267(SW0042-BK), 5502269(SW0042-WE)

FCC ID: 2AIMJ-SW0042

IC ID: 21538-SW0042

Prepared for :	**Orient Link Limited** **9/F, 1063 King's Road, Quarry Bay, Hong Kong, China**
Prepared By :	**Shenzhen HUAK Testing Technology Co., Ltd.** **1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China**
Date of Test:	**Jan. 08, 2019 to Jan. 15, 2019**
Date of Report:	**Jan. 15, 2019**
Report Number:	**HK1901140089E**

TEST RESULT CERTIFICATION

Applicant's name .....:	Orient Link Limited
Address .....:	9/F, 1063 King's Road, Quarry Bay, Hong Kong, China
Manufacture's Name.....:	Sweda (Shen Zhen) Electronics Company Limited
Address .....:	Block C, Lian Tang Chun Wei Ind. Bldg., Lian Tang, ShenZhen, PRC. Postal Code=518004
Factory's Name .....:	Sweda (Shen Zhen) Electronics Company Limited
Address .....:	Block C, Lian Tang Chun Wei Ind. Bldg., Lian Tang, ShenZhen, PRC. Postal Code=518004
Product description	
Trade Mark:	SWAROVSKI
Product name.....:	Wireless Charger
Model and/or type reference .:	5502267(SW0042-BK), 5502269(SW0042-WE)
Model Difference	All the same except for the model name and appearance color
Standards.....:	FCC Rules and Regulations Part 15 Subpart C Section 15.207, 15.209, 15.203 RSS-216 issue 2 ANSI C63.10: 2013

Date of Test .....:	
Date (s) of performance of tests .....:	Jan. 08, 2019 to Jan. 15, 2019
Date of Issue .....:	Jan. 15, 2019
Test Result .....:	**Pass**

Testing Engineer : Gary Qian

(Gary Qian)

Technical Manager : Eden Hu

(Eden Hu)

Authorized Signatory : Jason Zhou

(Jason Zhou)

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1. TEST SUMMARY

1.1 TEST PROCEDURES AND RESULTS

RULES	DESCRIPTION OF TEST	RESULT
FCC §15.203 RSS-Gen 6.7	Antenna Requirement	Compliant
FCC §15.209 RSS-Gen 8.9 ICES-001 issue 4	Radiated Emission	Compliant
FCC §15.215 RSS-Gen 6.8	Bandwidth	Compliant
FCC §15.207 RSS-Gen 8.8 ICES-001 issue 4	Conducted Emission	Compliant

1.2 TEST FACILITY

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

Address : 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

IC Registration No.: 21210

FCC Registration No.: CN1229

Test Firm Registration Number : 616276

1.3 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

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Operation Frequency	123.4kHz
Maximum field strength	53.54dBuV/m(Peak)@3m
Number of channels	1
Antenna Designation	Integrated Antenna (Met 15.203 Antenna requirement)
Hardware Version	sweda-v9
Software Version	V1.0
Power Supply	DC 5V or DC 9V

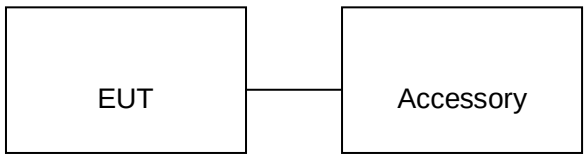
2.2 OPERATION OF EUT DURING TESTING

NO.	TEST MODE DESCRIPTION
1	Wireless charging Mode(Full load)
2	Wireless charging Mode(half load)
3	Wireless charging Mode(Null load)

Note:
1. The mode 1 was the worst case and only the data of the worst case record in this report.

2.3 DESCRIPTION OF TEST SETUP

Configure :



Item	Equipment	Model No.	ID or Specification	Remark
1	Adapter	RP-PC007	DC 5V3A or DC 9V/2A	Accessory
2	Wireless Load	N/A	10W	Support

2.4 MEASUREMENT INSTRUMENTS LIST

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	R&S	ENV216	HKE-002	Dec. 27, 2018	1 Year
2.	Receiver	R&S	ESCI 7	HKE-010	Dec. 27, 2018	1 Year
3.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 27, 2018	1 Year
4.	Preamplifier	Schwarzbeck	BBV 9743	HKE-006	Dec. 27, 2018	1 Year
5.	EMI Test Receiver	Rohde & Schwarz	ESCI 7	HKE-010	Dec. 27, 2018	1 Year
6.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	HKE-012	Dec. 27, 2018	1 Year
7.	Loop Antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Dec. 27, 2018	1 Year
8.	EMI Test Software EZ-EMC	Tonscend	JS1120-B Version	HKE-083	Dec. 27, 2018	N/A
9.	Shielded room	Shiel Hong	4*3*3	HKE-039	Dec. 27, 2018	3 Year

3. RADIATED EMISSION

3.1TEST LIMIT

Standard FCC 15.209 and RSS-GEN

Frequency (MHz)	Distance Meters	Field Strengths Limit	
		μV/m	dB(μV)/m
0.009 ~ 0.490	300	2400/F(kHz)	---
0.490 ~ 1.705	30	24000/F(kHz)	---
1.705 ~ 30	30	30	---
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	Other:74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	
Remark： (1) Emission level dBμV = 20 log Emission level μV/m (2) The smaller limit shall apply at the cross point between two frequency bands. (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.			

The electric field radiated emissions within 0.009 – 1000 MHz shall comply with the Class B limits for group 2 equipment, as set out in the CISPR 11.

0.009-30MHz

Frequency range MHz	**Limits at 3 m distance** **Quasi-peak** dB(μA/m)
0,009 – 0,070	69
0,070 – 0,148 5	69 Decreasing linearly with logarithm of frequency to 39
0,148 5 – 4,0	39 Decreasing linearly with logarithm of frequency to 3
4,0 – 30	3
The limits of this table apply to induction cooking appliances intended for commercial use and those for domestic use with a diagonal diameter of more than 1,6 m. The measurements are performed at 3 m distance with a 0,6 m loop antenna as described in 4.2.1 of CISPR 16-1-4. The antenna shall be vertically installed, with the lower edge of the loop at 1 m height above the floor.	

30MHz-1000MHz

Frequency range MHz	Limits for a measuring distance D in m				
	Electric field				Magnetic field
	D = 10 m		D = 3 m [b]		D = 3 m
	Quasi-peak	Average [a]	Quasi-peak	Average [a]	Quasi-peak
	dB(μV/m)		dB(μV/m)		dB(μA/m)
0,15 – 30	–	–	–	–	39 Decreasing linearly with the logarithm of frequency to 3
30 – 80,872	30	25	40	35	–
80,872 – 81,848	50	45	60	55	–
81,848 – 134,786	30	25	40	35	–
134,786 – 136,414	50	45	60	55	–
136,414 – 230	30	25	40	35	–
230 – 1 000	37	32	47	42	–

On a test site, class B equipment can be measured at a nominal distance of 3 m or 10 m. A measuring distance less than 10 m is allowed only for equipment which complies with the definition given in 3.10.

At the transition frequency, the more stringent limit should apply.

[a] The average limits apply to magnetron driven equipment only. If magnetron driven equipment exceeds the quasi-peak limit at certain frequencies, then the measurement shall be repeated at these frequencies with the average detector, and the average limits specified in this table apply.

[b] The limits specified for the 3 m separation distance apply only to small equipment meeting the size criterion defined in 3.10.

3.2. MEASUREMENT PROCEDURE

1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

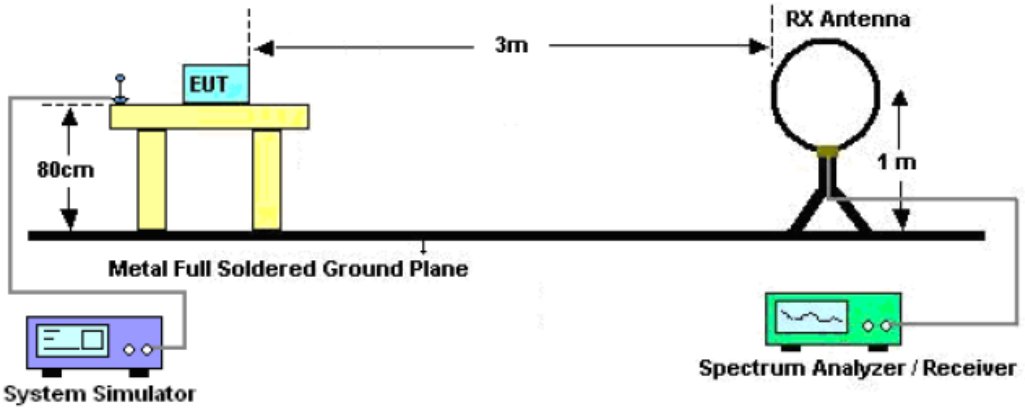
The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

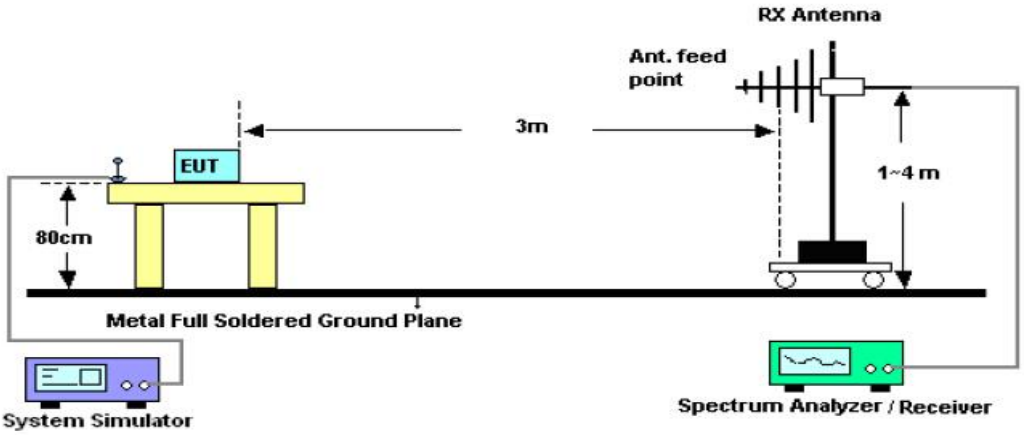
Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

3.3. TEST SETUP

Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



3.4. TEST RESULT

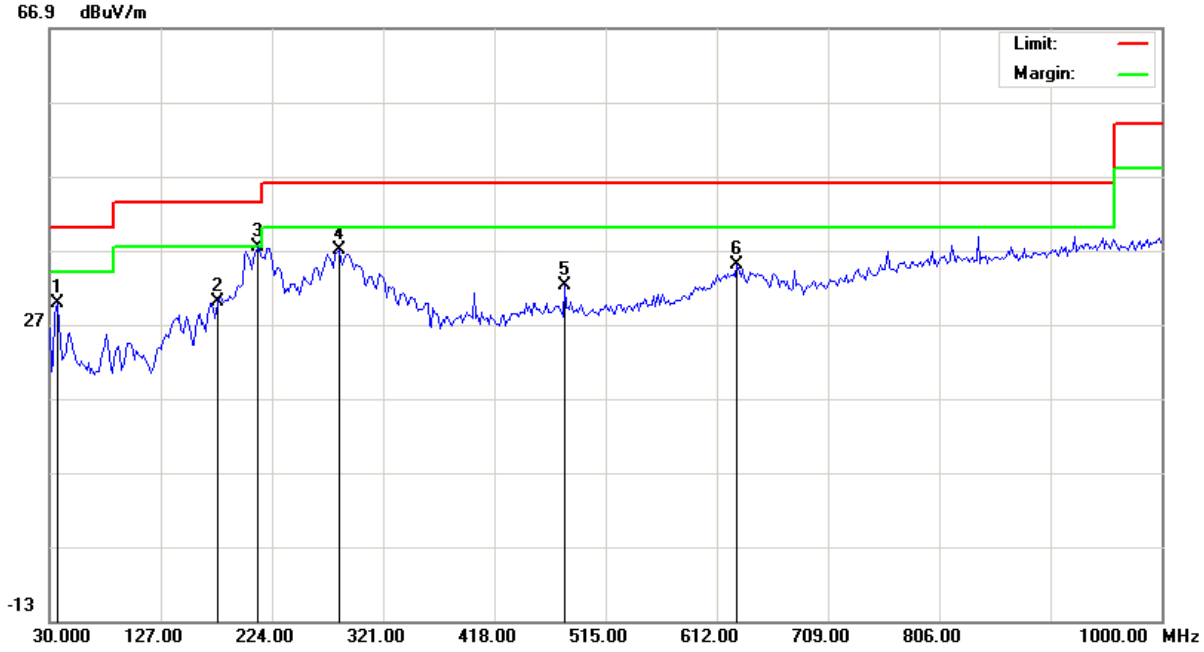
RADIATED EMISSION BELOW 30MHZ

Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) Peak	Limit dB(uV/m) Average	Margin dB	Pass/Fail
0.1234	Face	43.14	10.4	53.54	105.78	52.24	Pass
0.1234	Side	36.55	10.4	46.95	105.78	58.83	Pass

Note: No other emissions found between lowest internal used/generated frequencies to 30MHz. The peak level of the emission is less than the average limit, so the average level shall be less than the limit without test.

RADIATED EMISSION 30MHz- 1GHZ

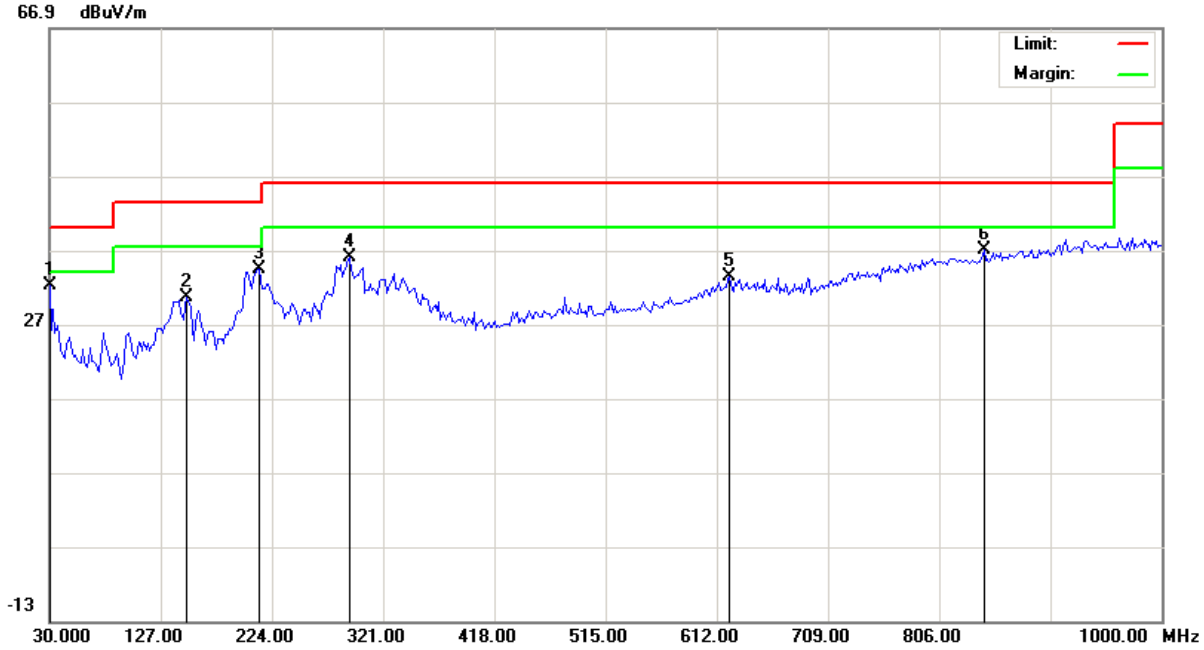
EUT：	Wireless Charger	Model Name. ：	SW0042
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	Normal
Test Mode ：	Mode 1	Polarization：	Horizontal



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		36.4667	9.72	20.06	29.78	40.00	-10.22	peak			
2		177.1167	11.39	18.60	29.99	43.50	-13.51	peak			
3	*	211.0667	19.38	18.07	37.45	43.50	-6.05	peak			
4		282.2000	15.55	21.39	36.94	46.00	-9.06	peak			
5		479.4333	5.50	26.67	32.17	46.00	-13.83	peak			
6		629.7833	5.40	29.67	35.07	46.00	-10.93	peak			

RESULT: PASS

EUT：	Wireless Charger	Model Name. ：	SW0042
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	Normal
Test Mode ：	Mode 1	Polarization：	Vertical



No.	Mk.	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	30.0000	13.70	18.60	32.30	40.00	-7.70	peak			
2		149.6333	10.42	20.26	30.68	43.50	-12.82	peak			
3		212.6833	16.25	18.17	34.42	43.50	-9.08	peak			
4		291.9000	14.72	21.24	35.96	46.00	-10.04	peak			
5		623.3167	3.79	29.57	33.36	46.00	-12.64	peak			
6		844.8000	3.14	33.84	36.98	46.00	-9.02	peak			

RESULT: PASS

Note:

Factor=Antenna Factor + Cable loss, Margin=Result-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

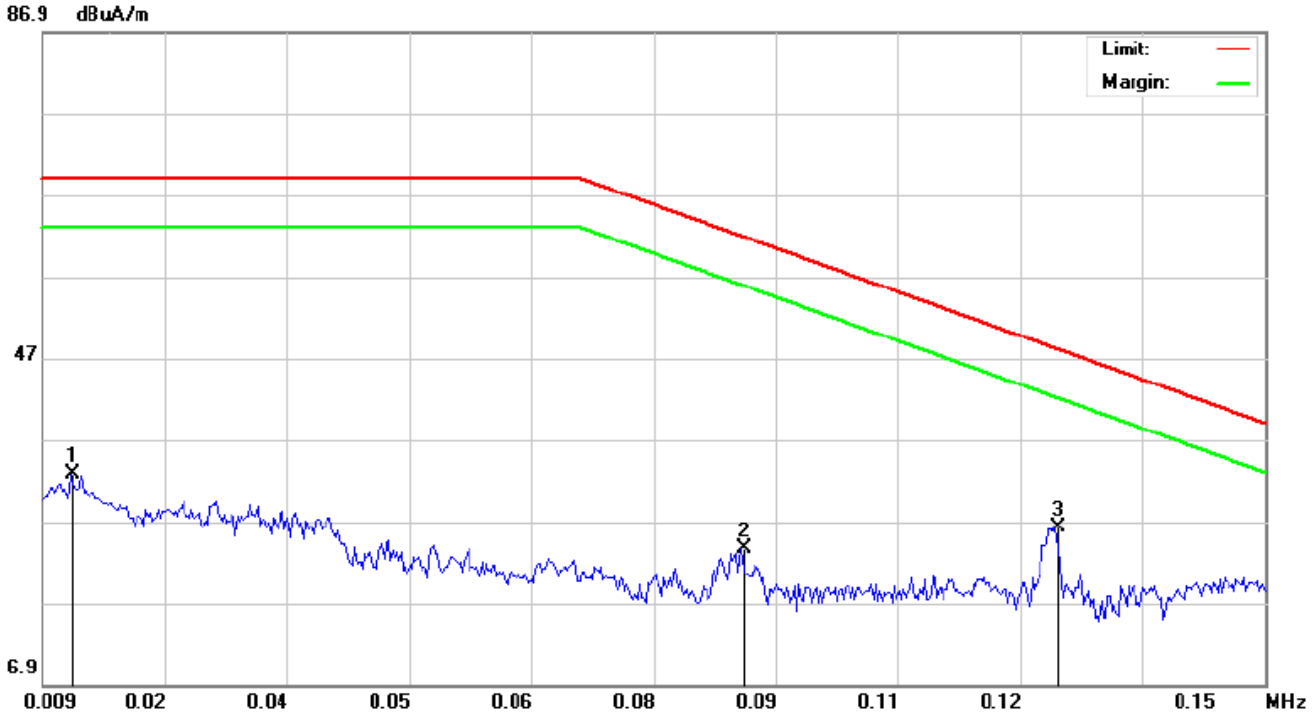
The mode 1 which operate with maximum output power was the worst case and only the data of the worst case record in this report.

ICES-001 of WPT (subassembly of the source)

RADIATED EMISSION BELOW 30MHZ

EUT：	Wireless Charger	Model Name. ：	SW0042
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	Normal
Test Mode ：	Mode 1	Polarization：	Face

0.009-0.1485MHz



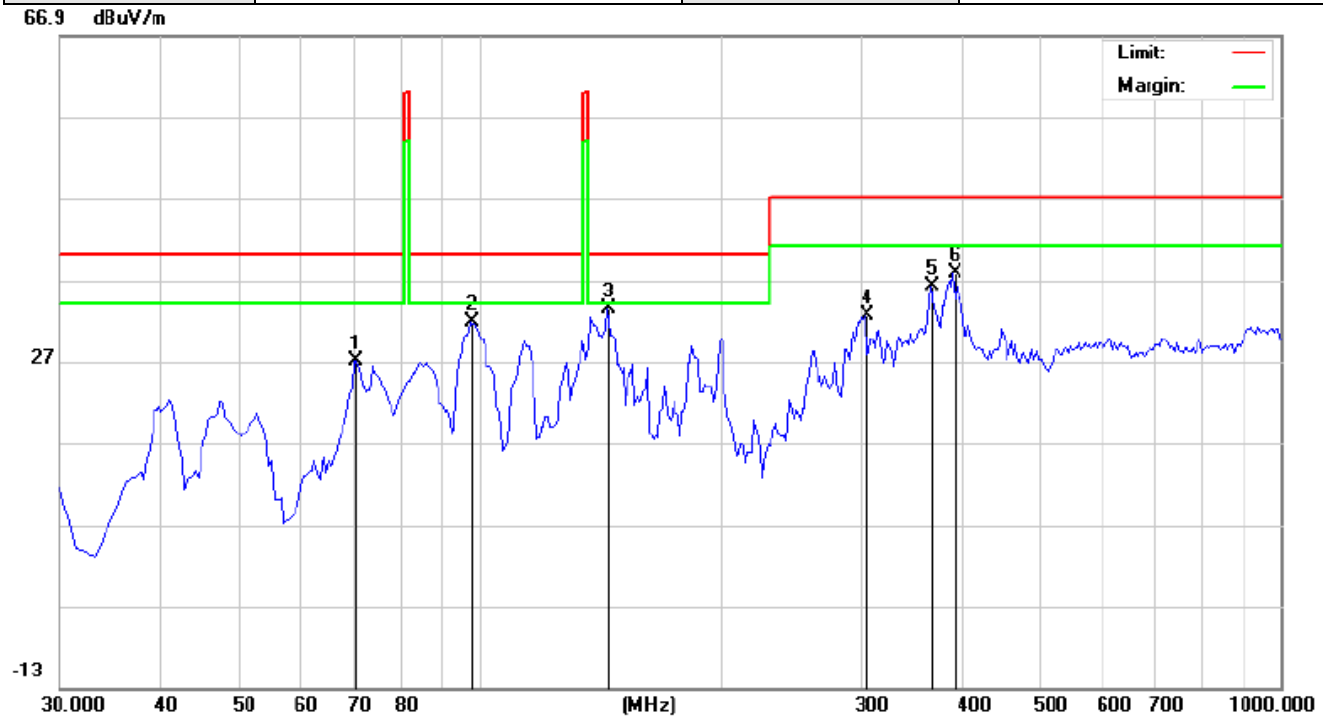
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuA	dB/m	dBuA/m	dBuA/m	dB		cm	degree	
1		0.0123	-6.03	38.83	32.80	69.00	-36.20	peak			
2		0.0887	-2.91	26.60	23.69	61.90	-38.21	peak			
3	*	0.1246	-0.48	26.60	26.12	48.27	-22.15	peak			

0.1485-30MHz

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBuA	dB/m	dBuA/m	dBuA/m	dB		cm	degree	
1		0.1743	-20.72	22.76	2.04	37.24	-35.20	peak			
2		0.5210	-16.82	22.22	5.40	25.28	-19.88	peak			
3		0.7616	-22.32	22.46	0.14	21.13	-20.99	peak			
4		1.5428	-25.05	22.31	-2.74	13.41	-16.15	peak			
5		2.6872	-30.53	21.85	-8.68	7.35	-16.03	peak			
6	*	21.9404	-26.44	21.06	-5.38	3.00	-8.38	peak			

RADIATED EMISSION 30MHz- 1GHZ

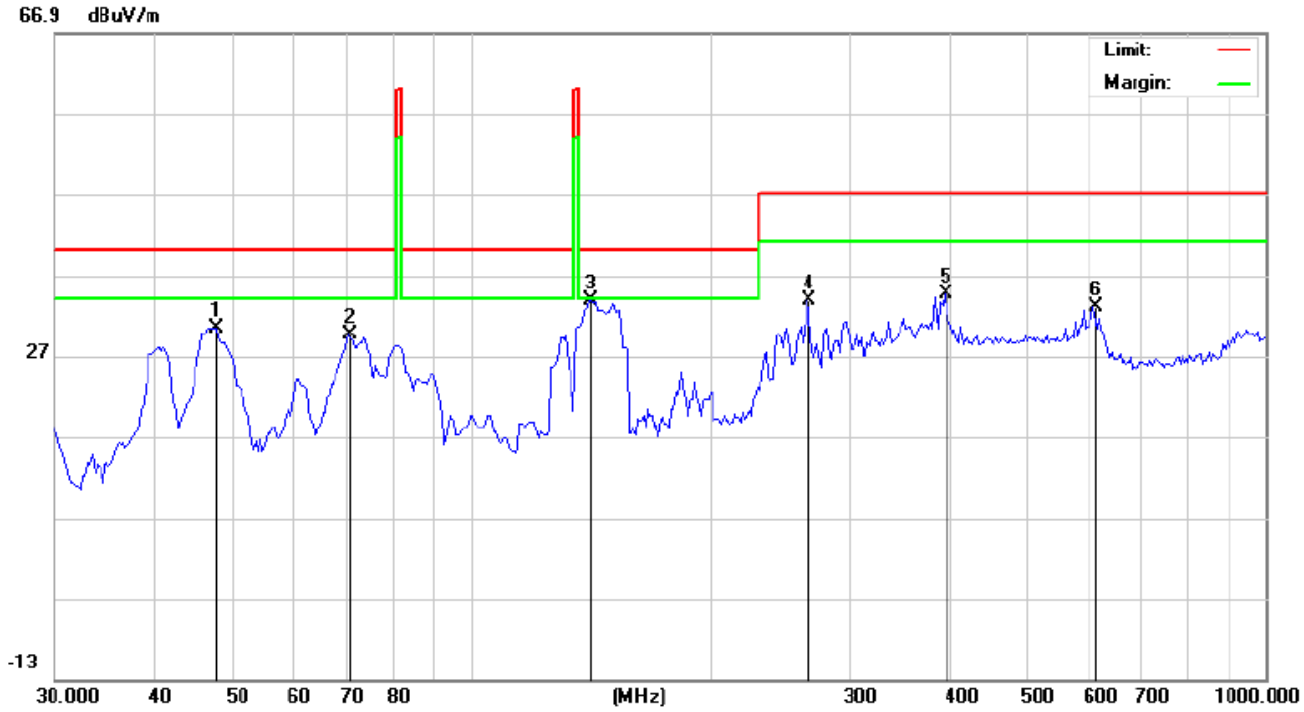
EUT：	Wireless Charger	Model Name. ：	SW0042
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	Normal
Test Mode ：	Mode 1	Polarization：	Horizontal



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dBuV/m	dBuV/m	dBuV/m	dB		cm	degree	
1		70.4167	17.21	9.85	27.06	40.00	-12.94	peak			
2		97.9000	23.46	8.38	31.84	40.00	-8.16	peak			
3	*	144.7829	19.38	14.04	33.42	40.00	-6.58	peak			
4		304.8333	16.88	15.73	32.61	47.00	-14.39	peak			
5		366.2667	17.30	18.85	36.15	47.00	-10.85	peak			
6		390.5167	18.78	19.01	37.79	47.00	-9.21	peak			

RESULT: PASS

EUT：	Wireless Charger	Model Name. ：	SW0042
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	Normal
Test Mode ：	Mode 1	Polarization：	Vertical



No.	Mk.	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dBuV/m	dBuV/m	dBuV/m	dB		cm	degree	
1		47.7832	22.06	8.39	30.45	40.00	-9.55	peak			
2		70.4188	25.39	4.16	29.55	40.00	-10.45	peak			
3	*	141.5500	18.55	15.21	33.76	40.00	-6.24	peak			
4		266.0332	19.35	14.38	33.73	47.00	-13.27	peak			
5		395.3666	15.60	19.04	34.64	47.00	-12.36	peak			
6		610.3831	10.02	22.96	32.98	47.00	-14.02	peak			

RESULT: PASS

Note:

Factor=Antenna Factor + Cable loss, Margin=Result-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

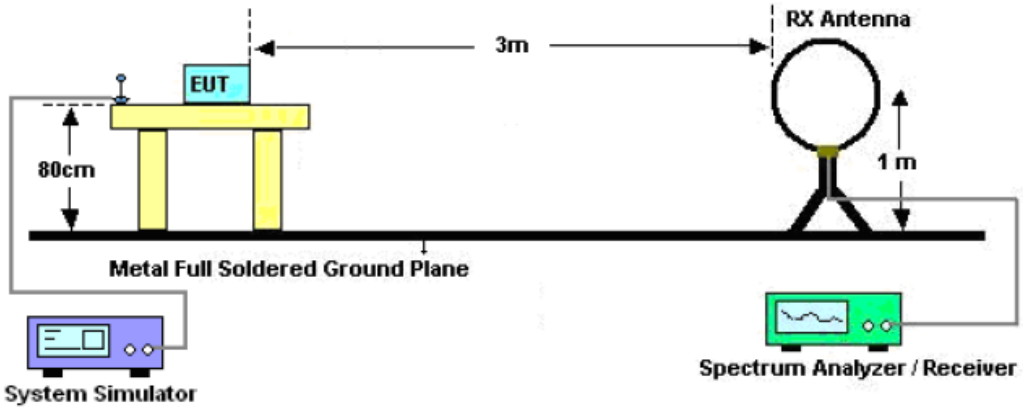
The mode 1 which operate with maximum output power was the worst case and only the data of the worst case record in this report.

4. BANDWIDTH

4.1. MEASUREMENT PROCEDURE

1. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2, Set the EUT Work on operation frequency.
3. Set Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a channel
   The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW; Sweep = auto; Detector function = peak
4. Set SPA Trace 1 Max hold, then View.

4.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

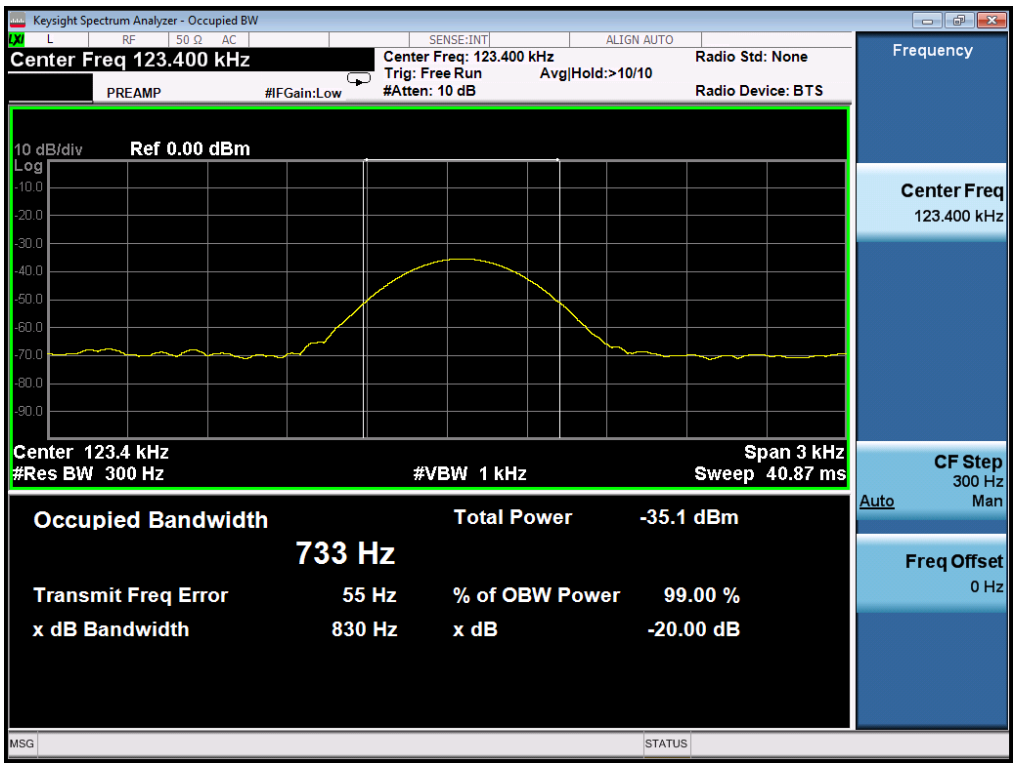


4.3. MEASUREMENT RESULTS

TEST ITEM	BANDWIDTH
TEST MODULATION	FSK

Frequency (KHz)	Test Data (Hz) 99% Bandwidth	Test Data (Hz) -20dB Bandwidth	Criteria
123.4	733	830	PASS

TEST PLOT OF BANDWIDTH



5. LINE CONDUCTED EMISSION TEST

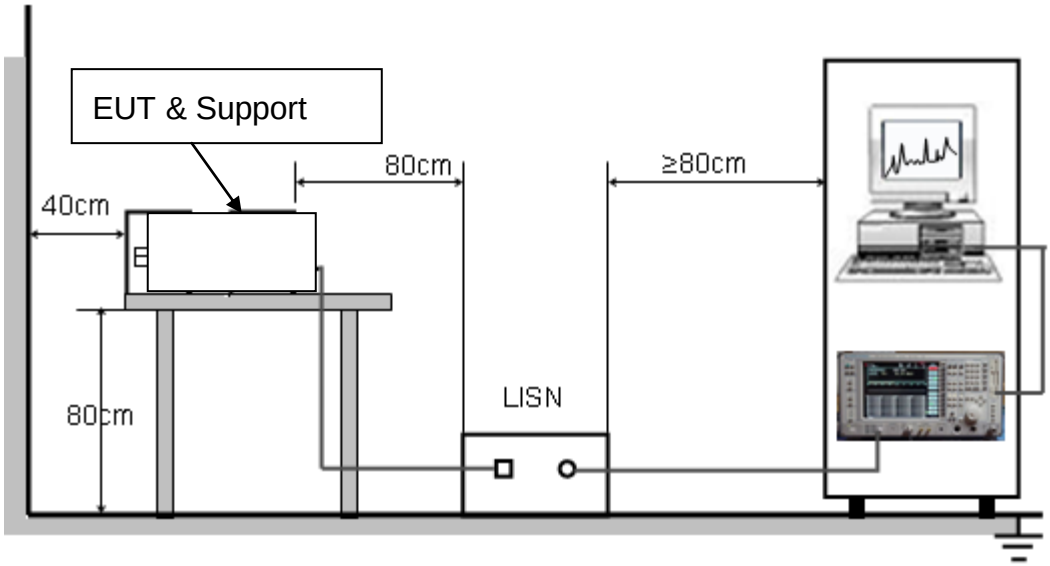
5.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P.(dBuV)	Average(dBuV)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50MHz.

5.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



5.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When 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 and CISPR 11 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10 and CISPR 11.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10 and CISPR 11.
4. All support equipments received AC120V/60Hz power from a LISN, if any.
5. The EUT received charging voltage by adapter which received 120V/60Hzpower by a LISN..
6. The 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.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

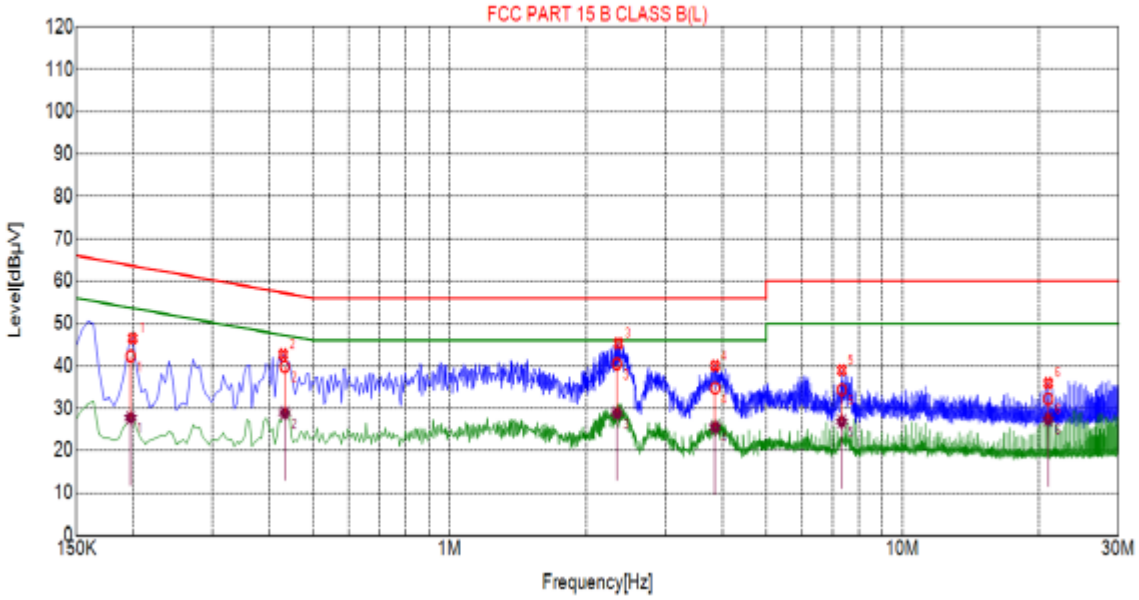
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

5.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

5.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

LINE CONDUCTED EMISSION TEST-L

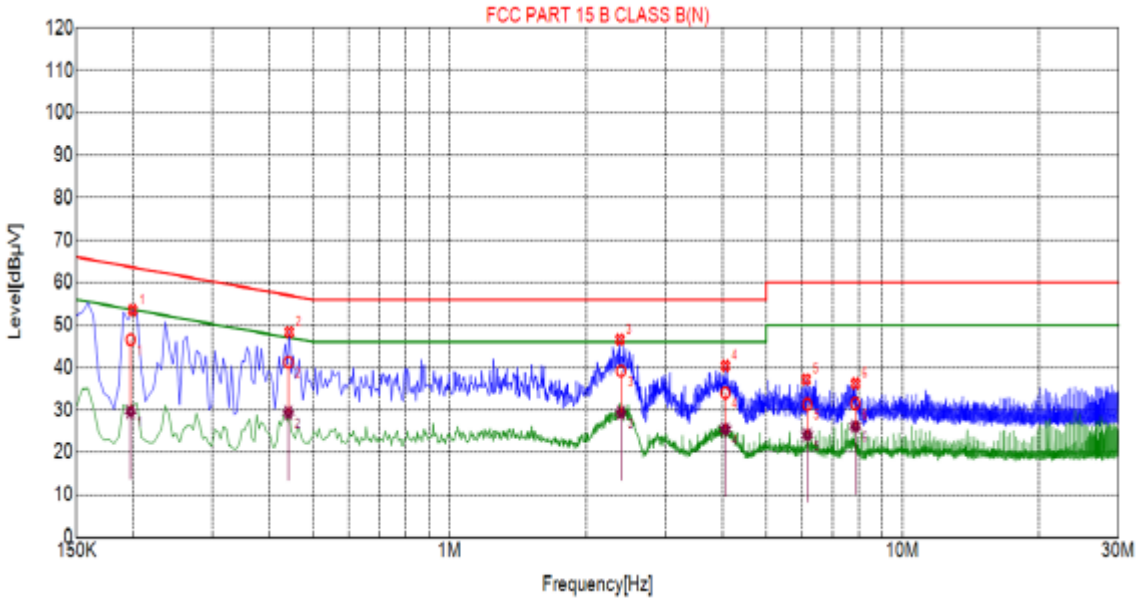


Suspected List						
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.1995	46.53	10.03	63.63	17.10	PK
2	0.4290	42.69	10.05	57.27	14.58	PK
3	2.3595	45.30	10.18	56.00	10.70	PK
4	3.8580	40.06	10.25	56.00	15.94	PK
5	7.3455	38.95	10.18	60.00	21.05	PK
6	20.9850	35.94	10.13	60.00	24.06	PK

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.1975	10.03	42.36	63.71	21.35	27.71	53.71	26.00
2	0.4323	10.05	39.85	57.21	17.36	28.94	47.21	18.27
3	2.3409	10.18	40.46	56.00	15.54	28.92	46.00	17.08
4	3.8576	10.25	34.74	56.00	21.26	25.51	46.00	20.49
5	7.3466	10.18	34.33	60.00	25.67	26.90	50.00	23.10
6	20.9844	10.13	32.19	60.00	27.81	27.39	50.00	22.61

RESULT: PASS

LINE CONDUCTED EMISSION TEST-N



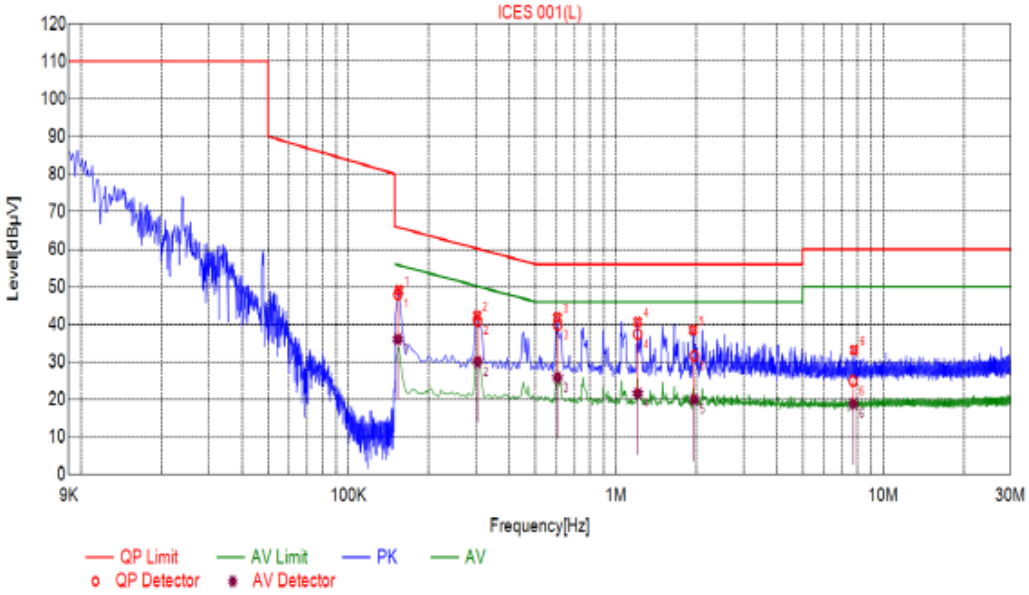
Suspected List						
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.1995	53.53	10.03	63.63	10.10	PK
2	0.4425	48.36	10.05	57.01	8.65	PK
3	2.3775	46.63	10.18	56.00	9.37	PK
4	4.0650	40.39	10.25	56.00	15.61	PK
5	6.1260	37.21	10.23	60.00	22.79	PK
6	7.8810	36.22	10.16	60.00	23.78	PK

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.1975	10.03	46.59	63.71	17.12	29.59	53.71	24.12
2	0.4405	10.05	41.22	57.05	15.83	29.38	47.05	17.67
3	2.3902	10.18	39.18	56.00	16.82	29.38	46.00	16.62
4	4.0622	10.25	33.99	56.00	22.01	25.45	46.00	20.55
5	6.1624	10.23	31.36	60.00	28.64	24.18	50.00	25.82
6	7.8678	10.16	31.54	60.00	28.46	26.16	50.00	23.84

RESULT: PASS

Note: The mode 1 which operate with maximum output power was the worst case and only the data of the worst case record in this report.

ICES-001 of WPT (subassembly of the source)
LINE CONDUCTED EMISSION TEST-L



Suspected List

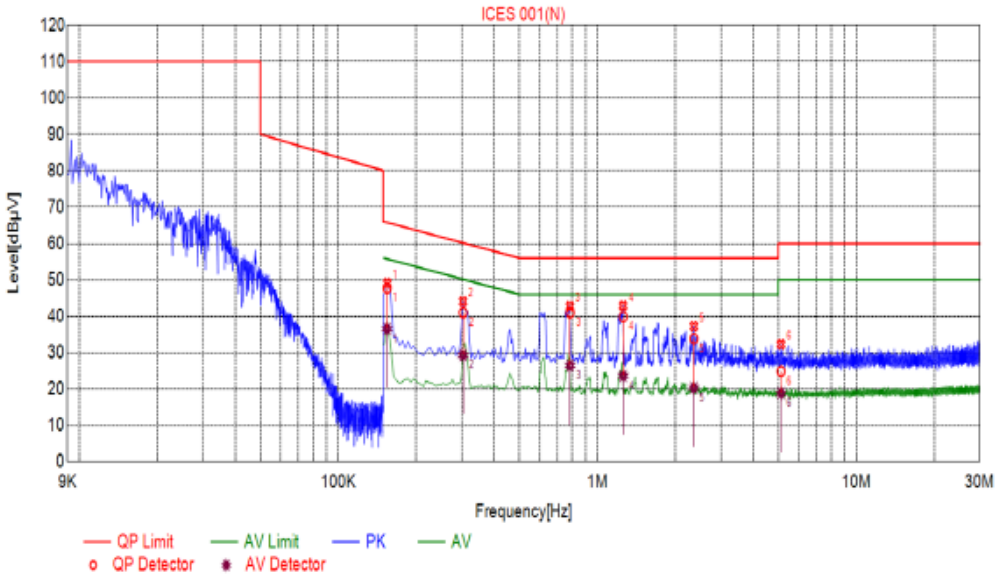
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.1545	49.08	10.03	65.75	16.67	PK
2	0.3030	42.31	10.04	60.16	17.85	PK
3	0.6045	41.81	10.05	56.00	14.19	PK
4	1.2075	40.69	10.09	56.00	15.31	PK
5	1.9455	38.50	10.14	56.00	17.50	PK
6	7.7900	33.12	10.16	60.00	26.88	PK

Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.1530	10.03	47.98	65.84	17.86	36.05	55.84	19.79
2	0.3041	10.05	40.95	60.13	19.18	30.04	50.13	20.09
3	0.6056	10.05	39.73	56.00	16.27	25.76	46.00	20.24
4	1.2077	10.09	37.36	56.00	18.64	21.55	46.00	24.45
5	1.9640	10.14	31.61	56.00	24.39	19.96	46.00	26.04
6	7.7206	10.17	24.93	60.00	35.07	18.78	50.00	31.22

RESULT: PASS

LINE CONDUCTED EMISSION TEST-N



Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.1545	49.12	10.03	65.75	16.63	PK
2	0.3030	44.06	10.04	60.16	16.10	PK
3	0.7845	42.76	10.05	56.00	13.24	PK
4	1.2570	42.88	10.09	56.00	13.12	PK
5	2.3595	37.19	10.18	56.00	18.81	PK
6	5.1170	32.24	10.26	60.00	27.76	PK

Final Data List

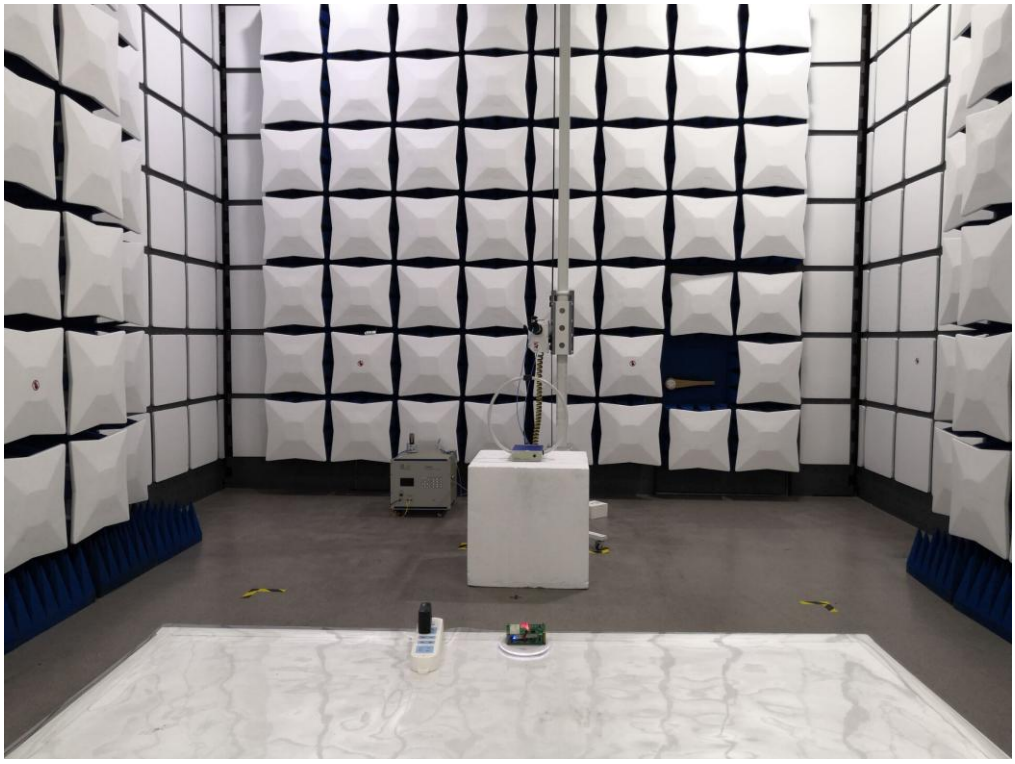
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.1543	10.03	47.68	65.76	18.08	36.52	55.76	19.24
2	0.3033	10.04	41.01	60.15	19.14	29.30	50.15	20.85
3	0.7853	10.05	40.96	56.00	15.04	26.44	46.00	19.56
4	1.2583	10.09	39.82	56.00	16.18	23.58	46.00	22.42
5	2.3597	10.18	33.84	56.00	22.16	20.34	46.00	25.66
6	5.1221	10.26	24.85	60.00	35.15	18.79	50.00	31.21

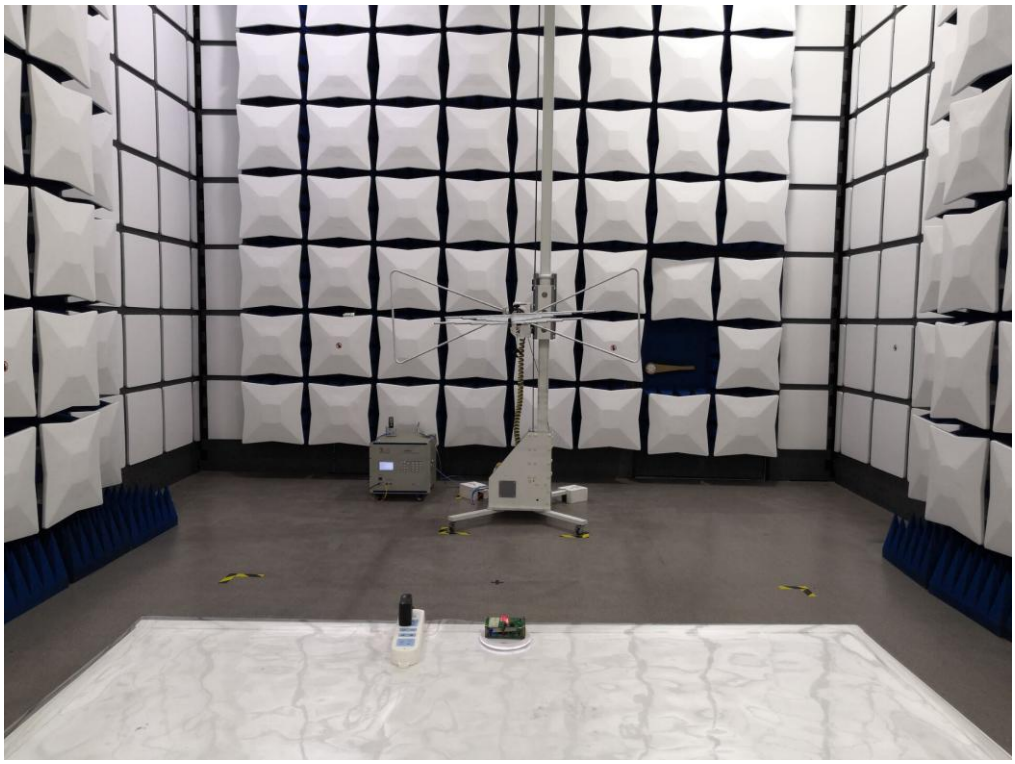
RESULT: PASS

Note: The mode 1 which operate with maximum output power was the worst case and only the data of the worst case record in this report.

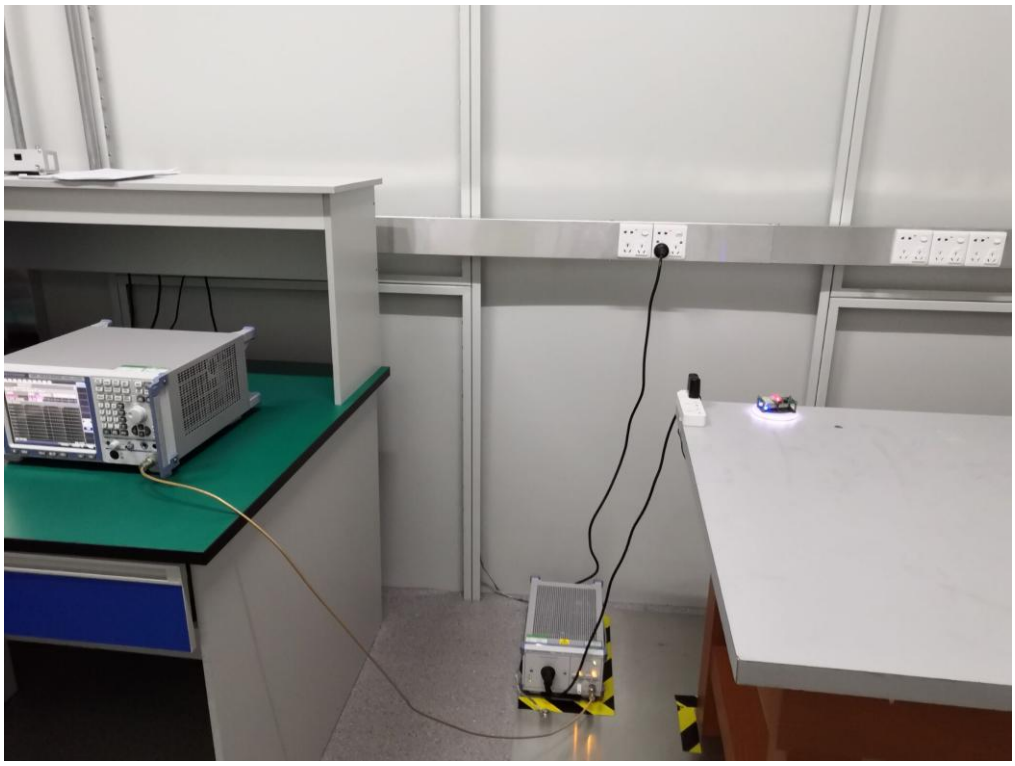
6. PHOTOGRAPH OF TEST

Radiated Emission





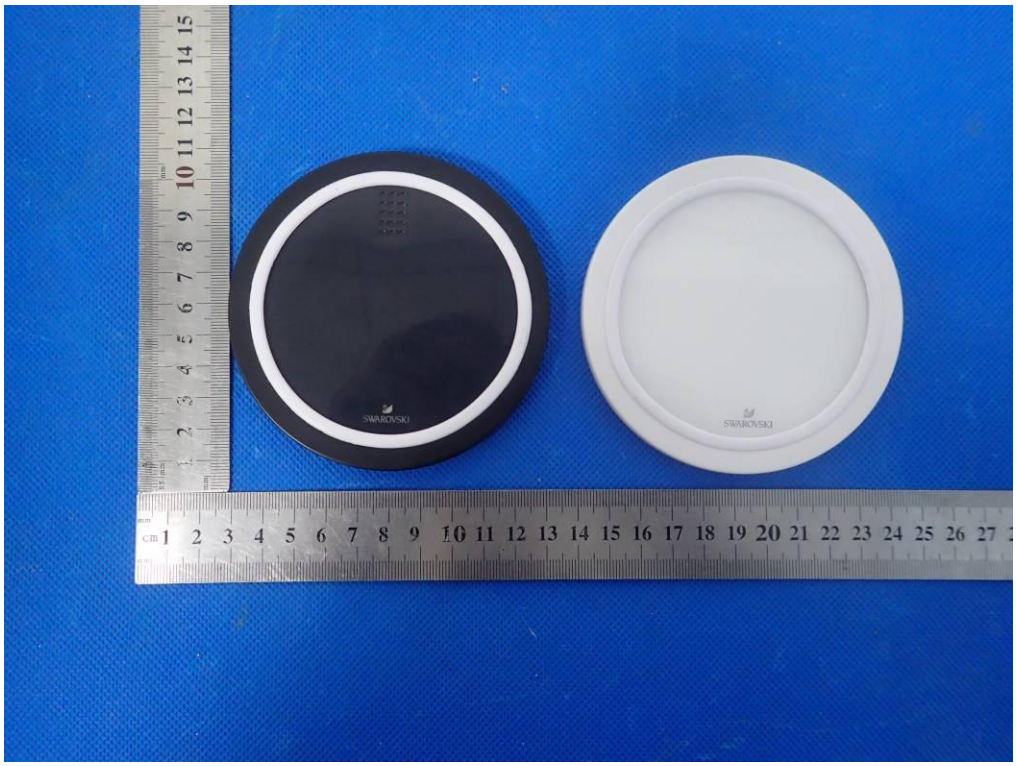
Conducted Emission

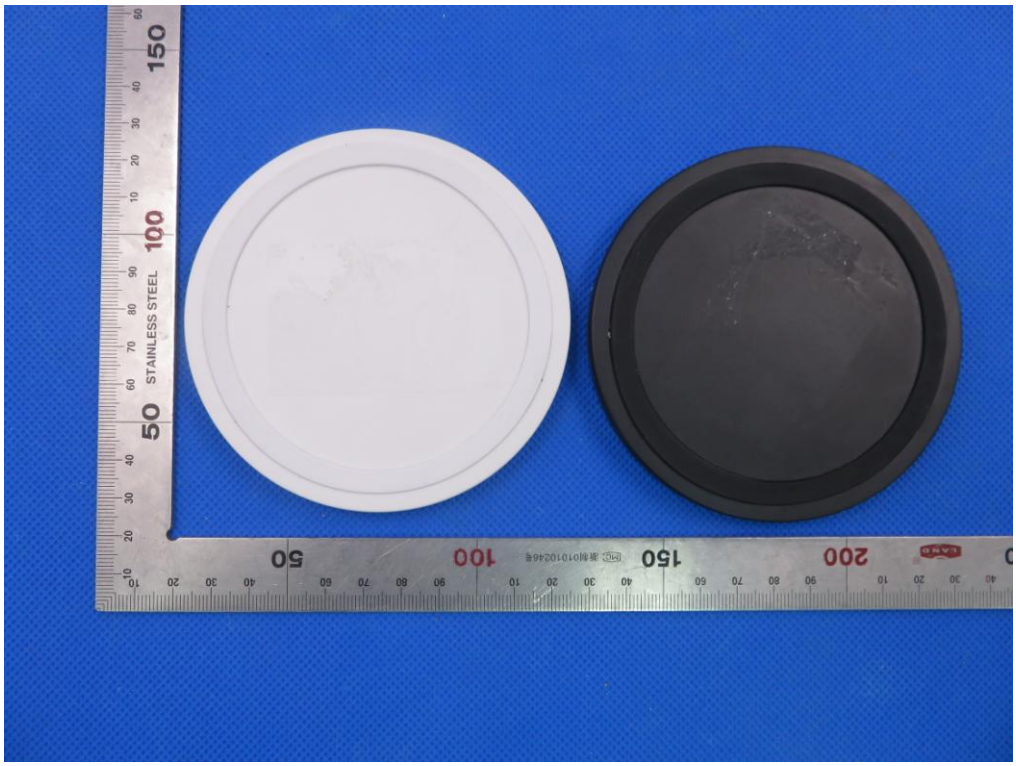


7. PHOTOGRAPHS OF EUT

ALL VIEW OF EUT

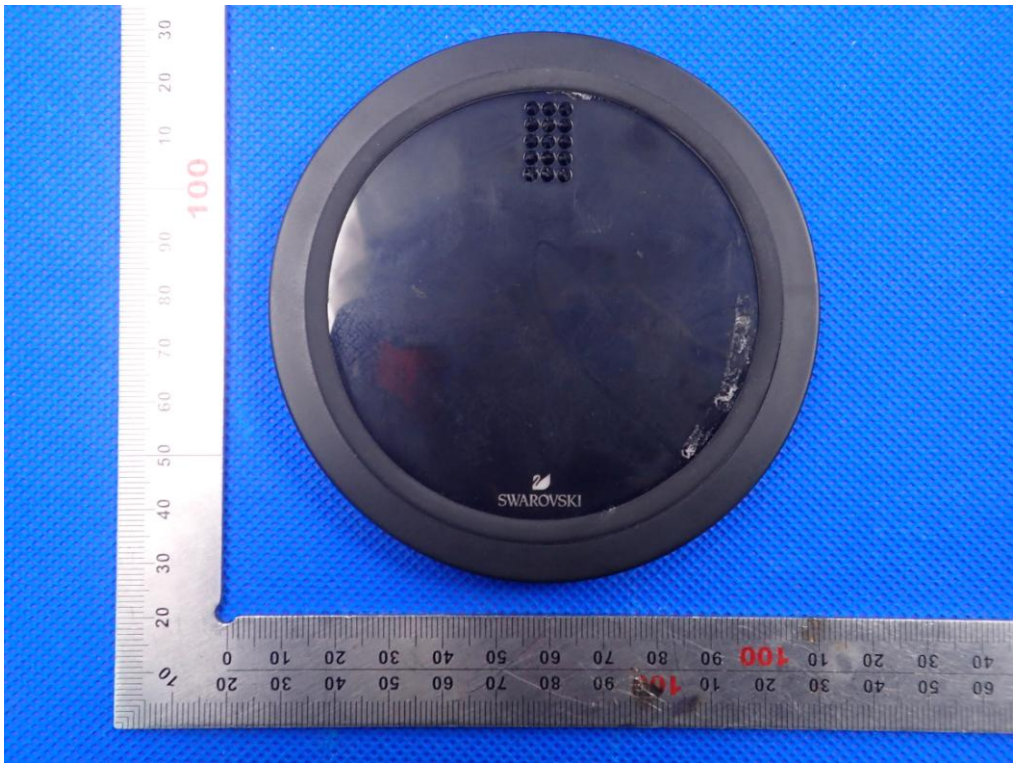
5502267(SW0042-BK), 5502269(SW0042-WE)



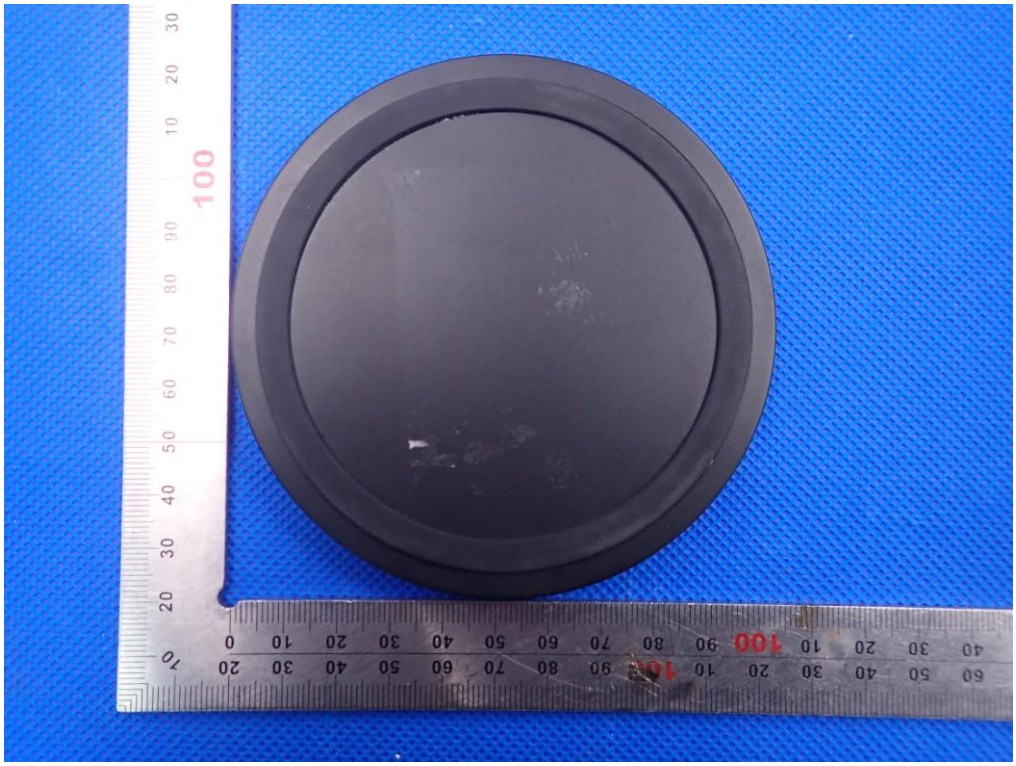


5502267(SW0042-BK)

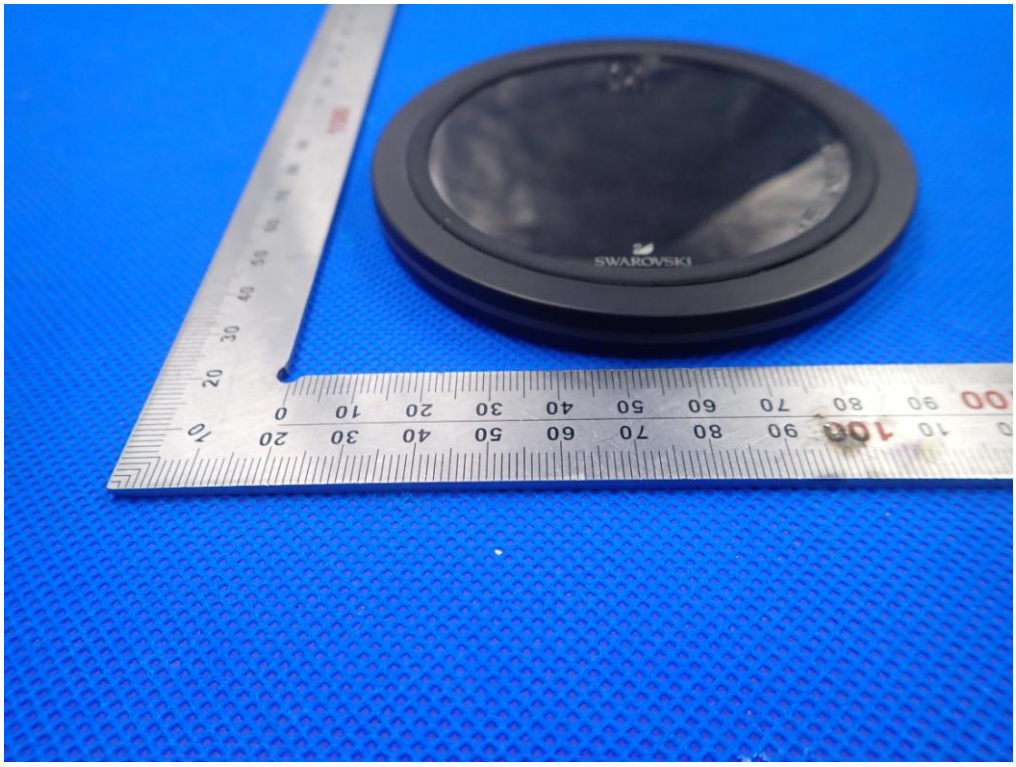
TOP VIEW OF EUT



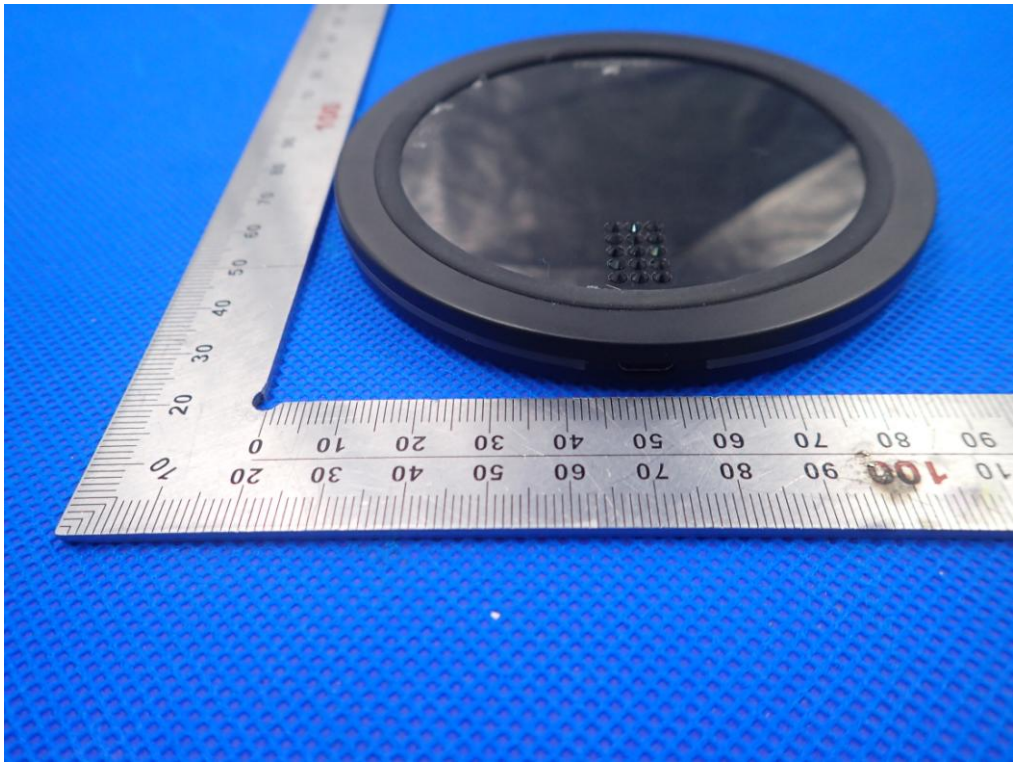
BOTTOM VIEW OF EUT



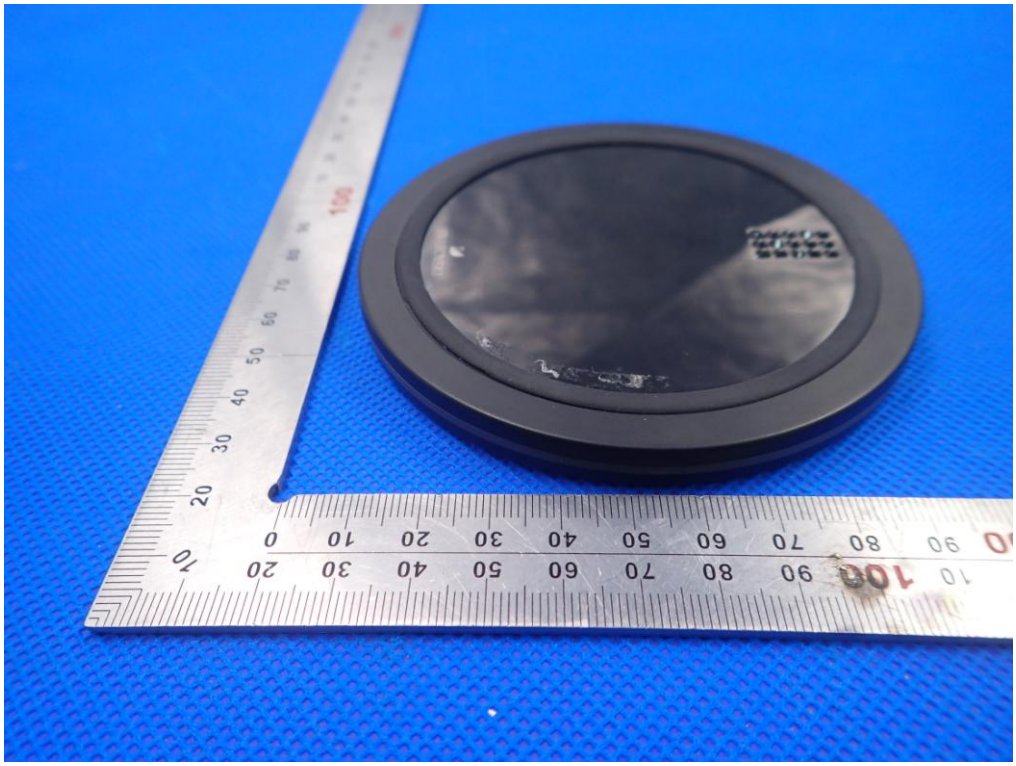
FRONT VIEW OF EUT



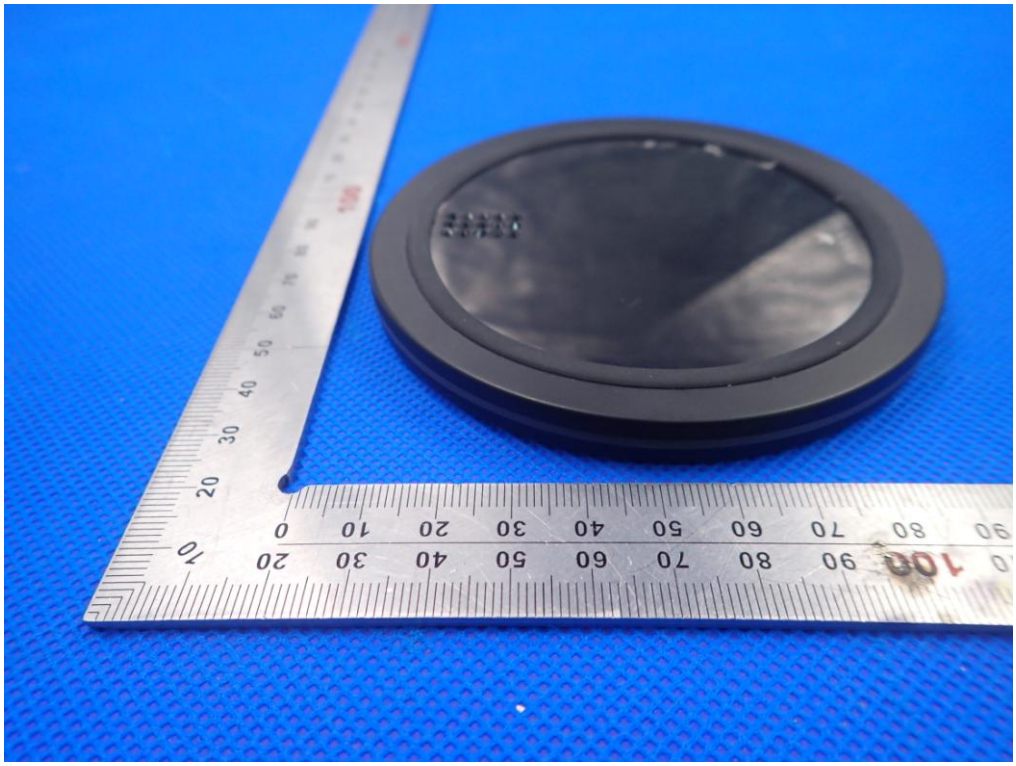
BACK VIEW OF EUT



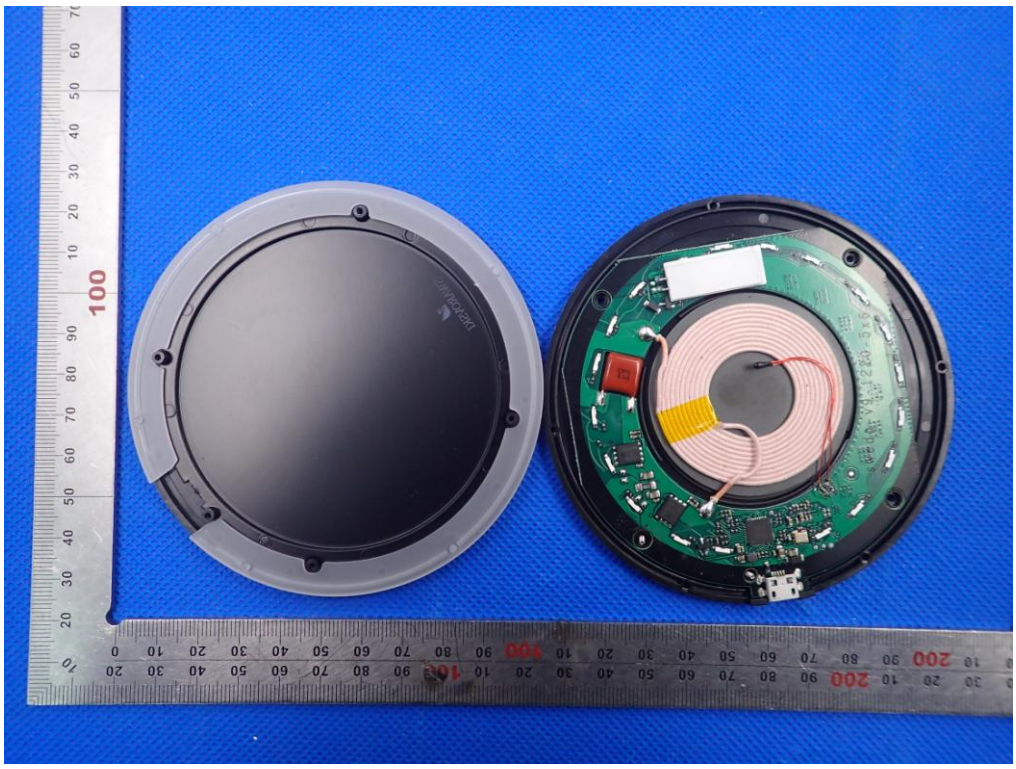
LEFT VIEW OF EUT



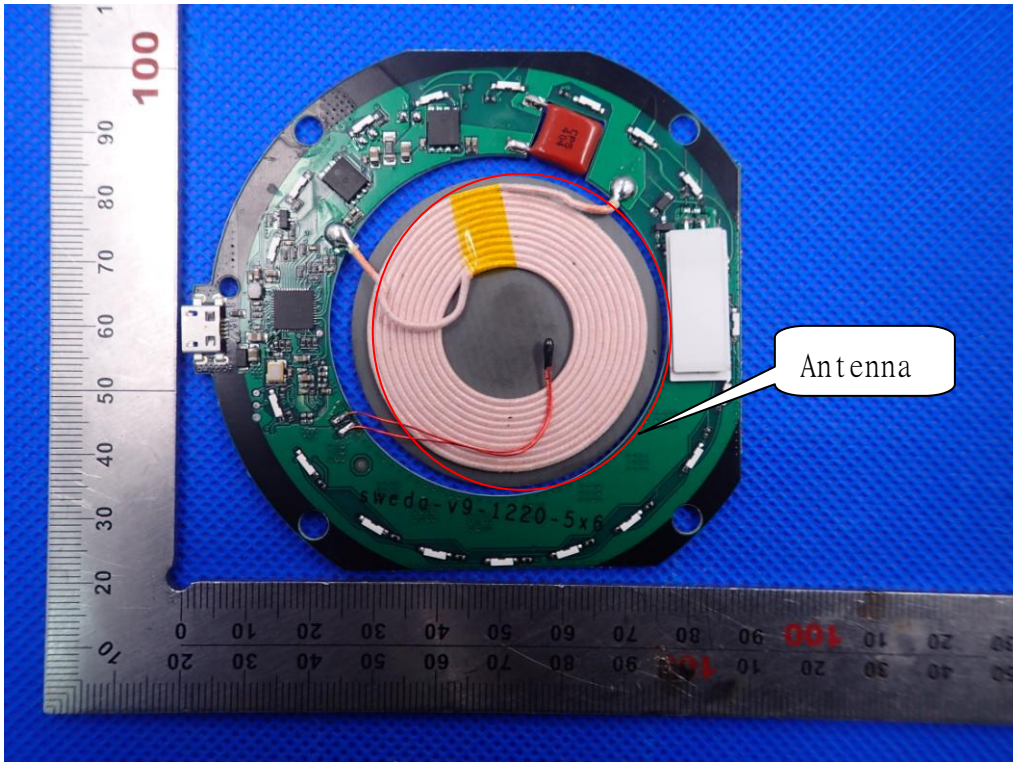
RIGHT VIEW OF EUT



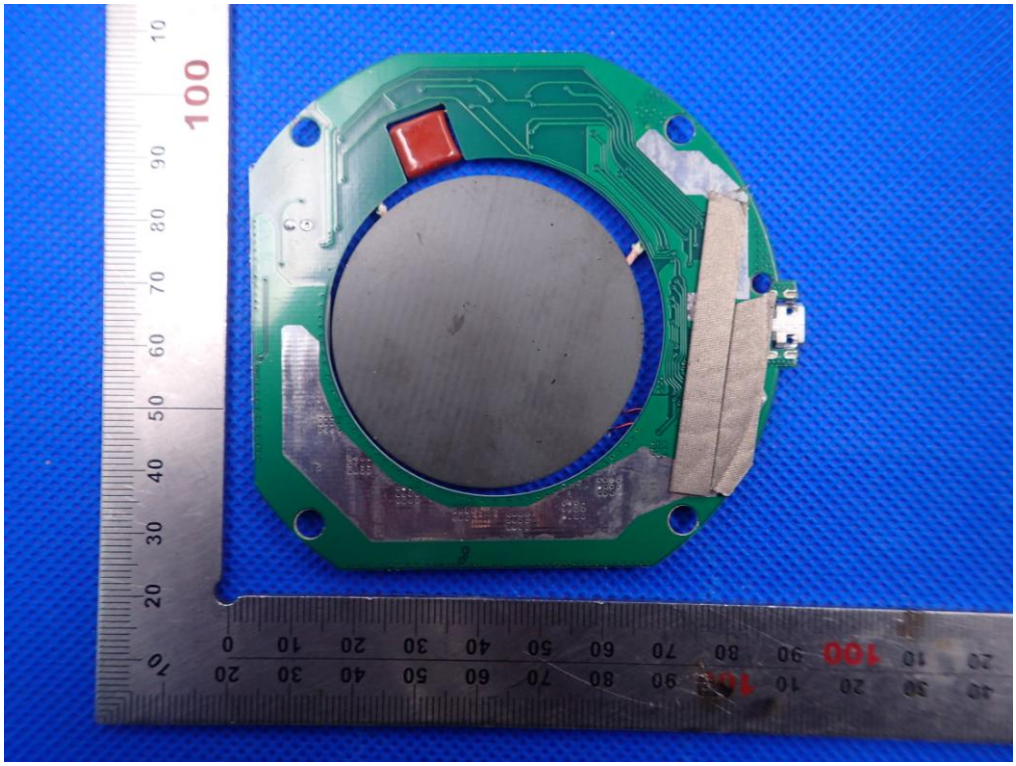
OPEN VIEW-1 OF EUT



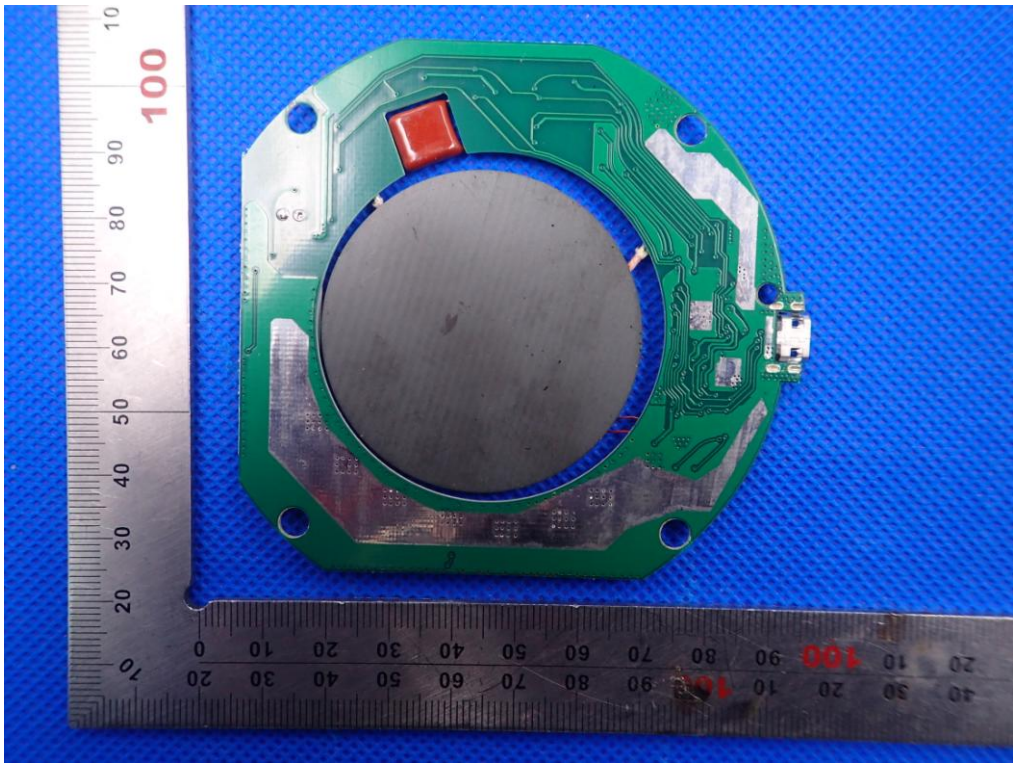
INTERNAL VIEW-1 OF EUT



INTERNAL VIEW-2 OF EUT



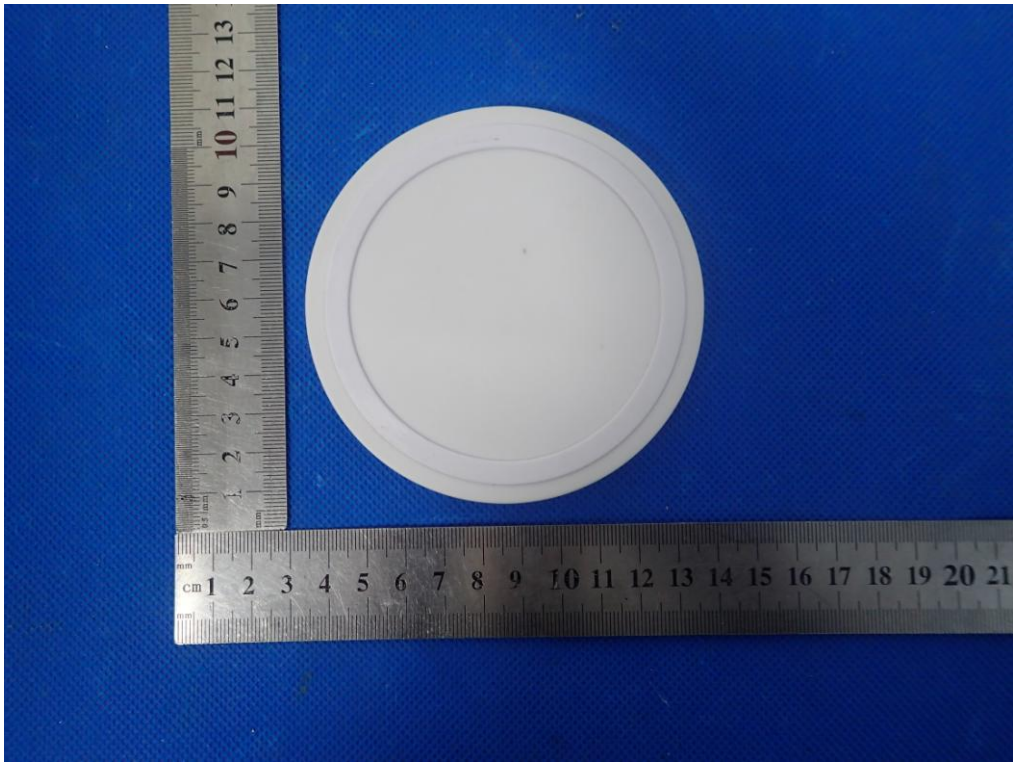
INTERNAL VIEW-3 OF EUT



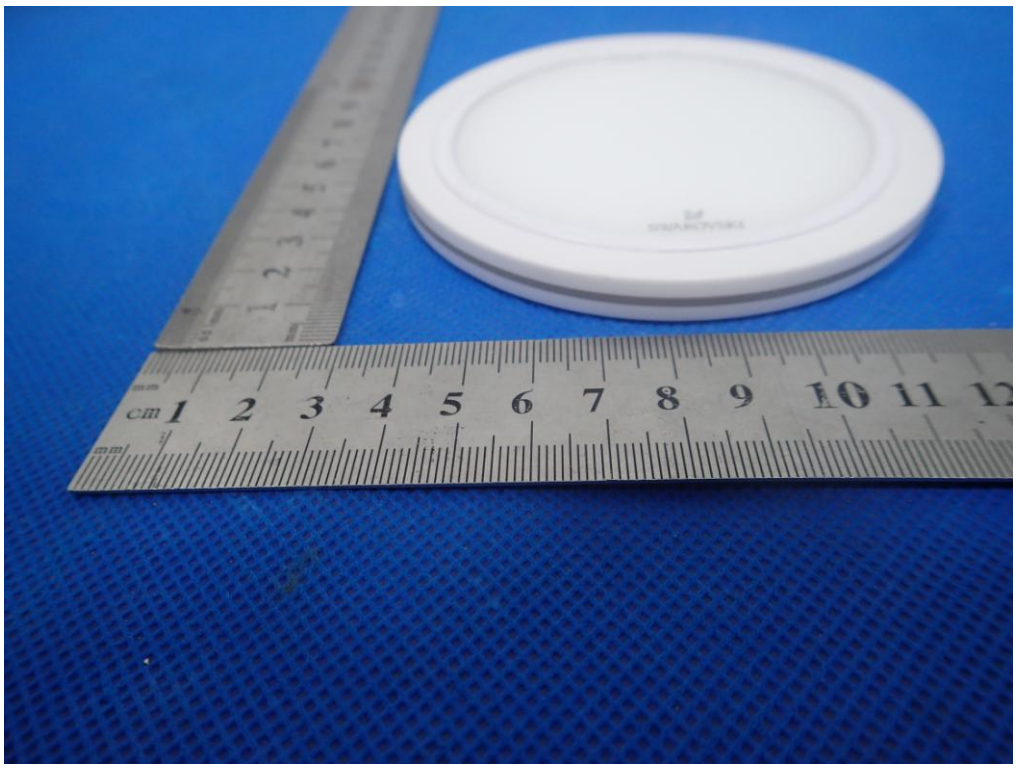
5502269(SW0042-WE)

TOP VIEW OF EUT

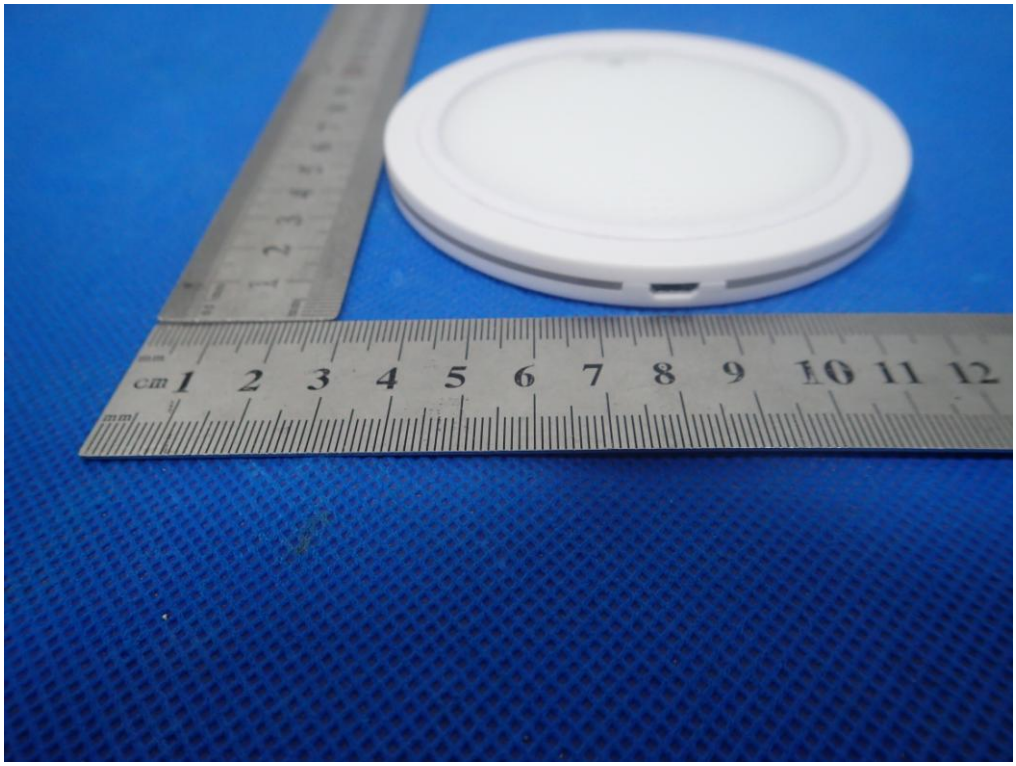
BOTTOM VIEW OF EUT



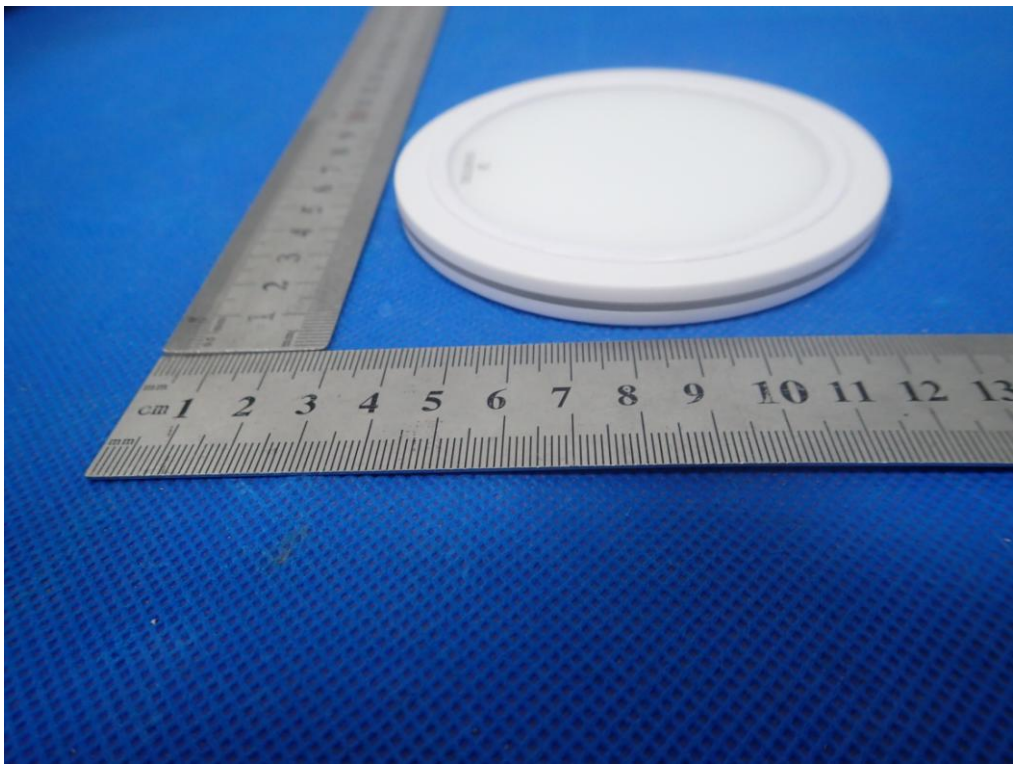
FRONT VIEW OF EUT



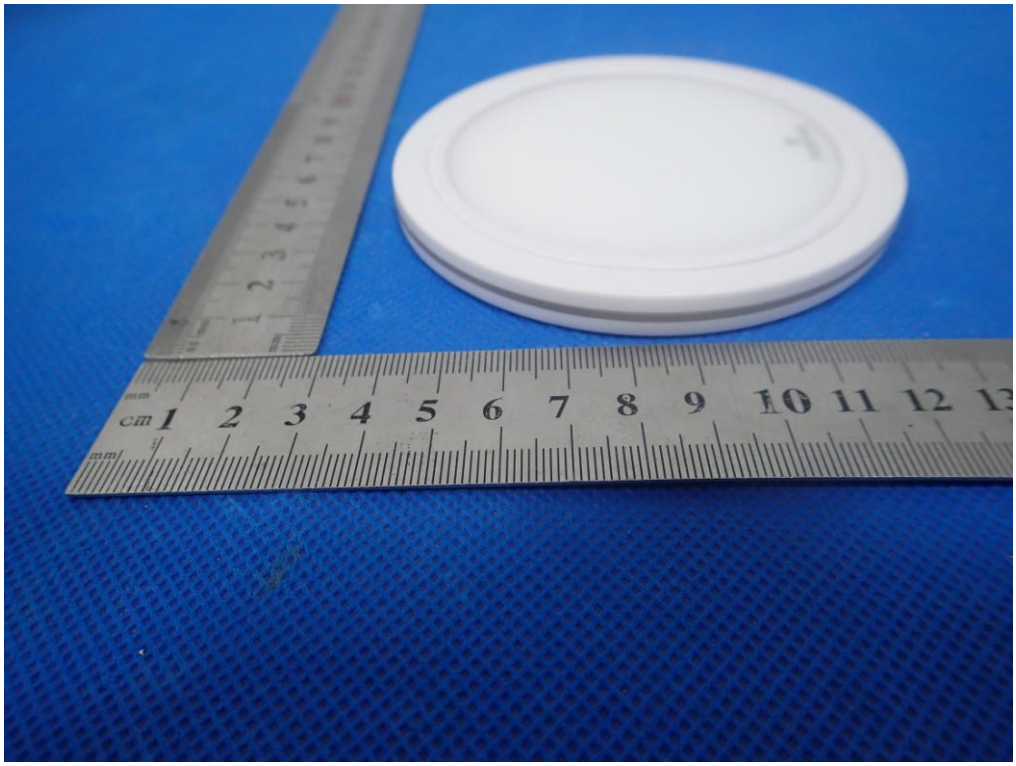
BACK VIEW OF EUT



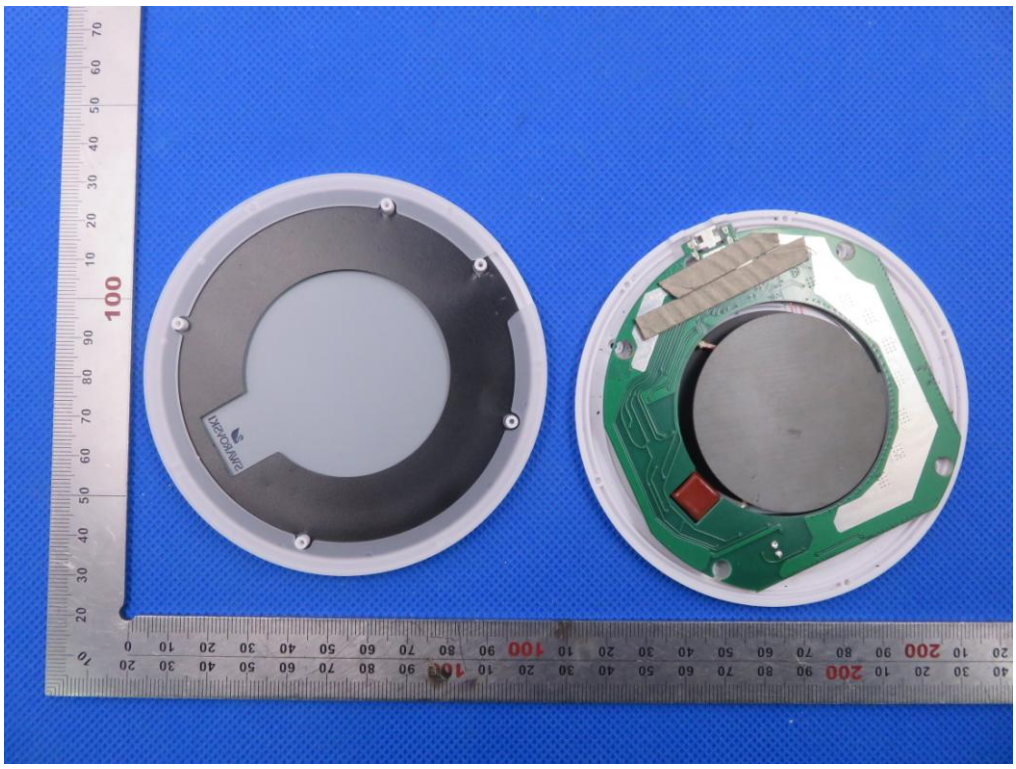
LEFT VIEW OF EUT



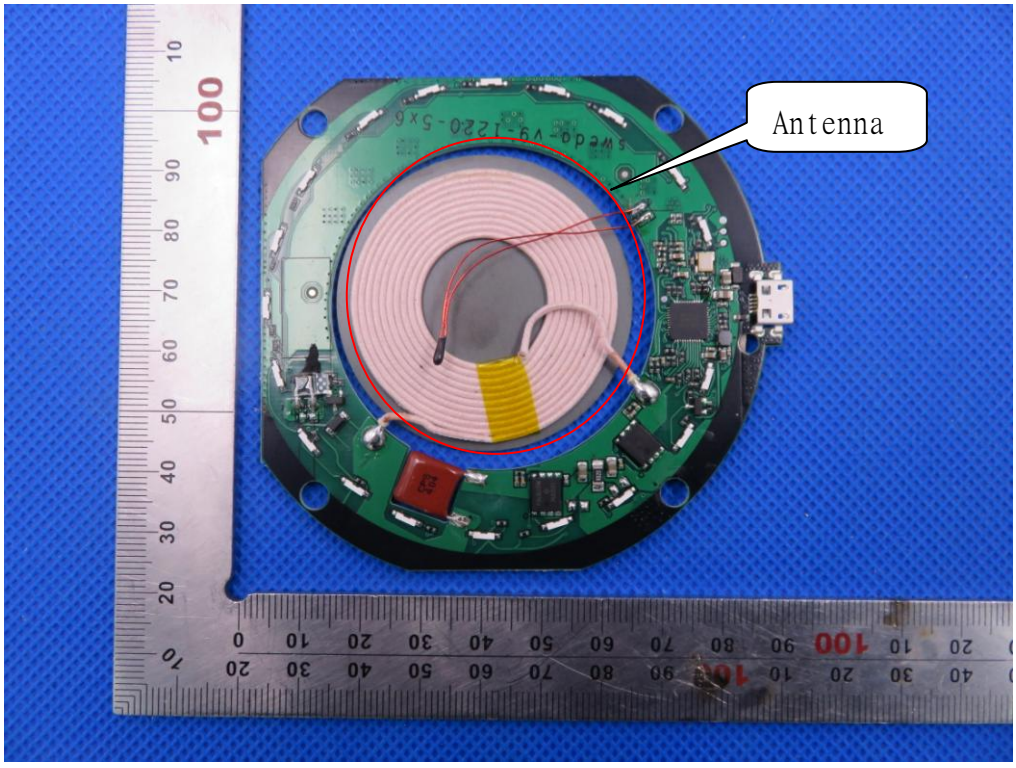
RIGHT VIEW OF EUT



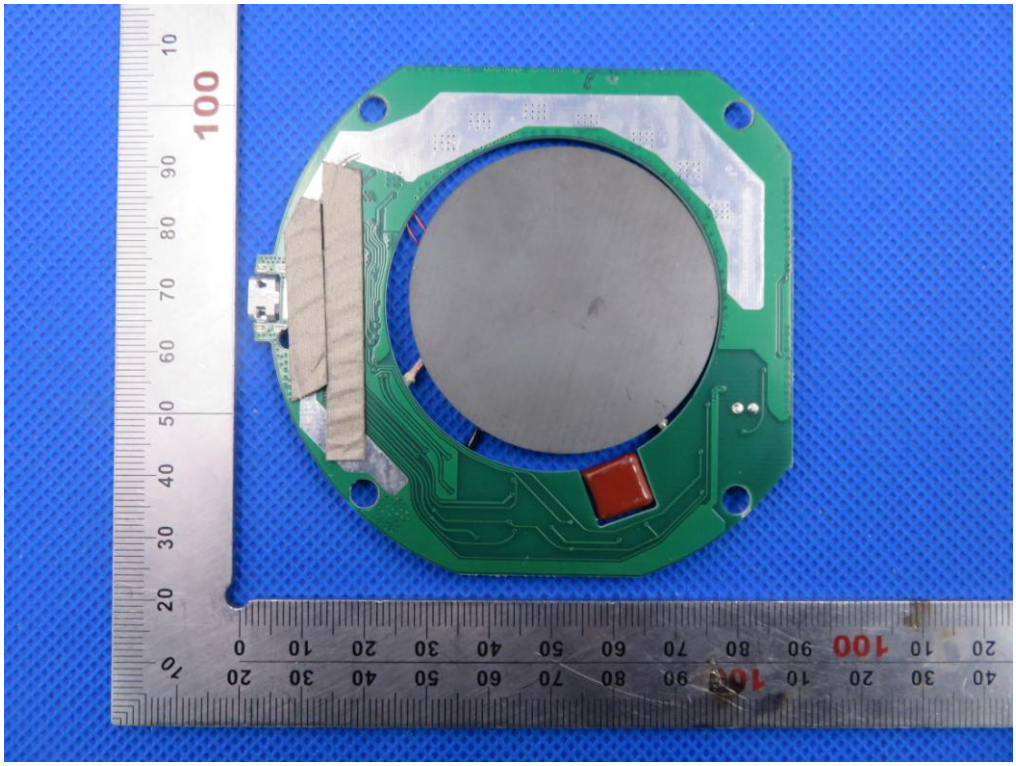
OPEN VIEW-1 OF EUT



INTERNAL VIEW-1 OF EUT



INTERNAL VIEW-2 OF EUT



----END OF REPORT----