



Report No.: TW2103077E
File reference No.: 2021-04-12

Applicant: Hangzhou Roombanker Technology Co., Ltd.

Product: Outdoor temperature and humidity sensor

Model No.: DSBC-060-2

Trademark: N/A

Test Standards: FCC Part 15.247

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10, FCC Part 15.247 for the

evaluation of electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: April 12, 2021

Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com

Report No.: TW2103077E Page 2 of 46

Date: 2021-04-12



Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAL. This approval result is accepted by MRA of APLAC.

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

CNAL-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAL/AC01:2002 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The 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.: 744189.

Industry Canada (IC) —**Registration No.:5205A**

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number: 5013.01

Page 3 of 46

Report No.: TW2103077E

Date: 2021-04-12



Test Report Conclusion

Content

1.0	General Details	4
1.1	Test Lab Details.	4
1.2	Applicant Details	4
1.3	Description of EUT	4
1.4	Submitted Sample	5
1.5	Test Duration.	5
1.6	Test Uncertainty.	5
1.7	Test By	5
2.0	List of Measurement Equipment.	6
3.0	Technical Details	7
3.1	Summary of Test Results	7
3.2	Test Standards.	7
4.0	EUT Modification.	7
5.0	Power Line Conducted Emission Test.	8
5.1	Schematics of the Test.	8
5.2	Test Method and Test Procedure.	8
5.3	Configuration of the EUT	8
5.4	EUT Operating Condition.	9
5.5	Conducted Emission Limit	9
5.6	Test Result.	9
6.0	Radiated Emission test	12
5.1	Test Method and Test Procedure.	12
5.2	Configuration of the EUT	13
5.3	EUT Operation Condition.	13
5.4	Radiated Emission Limit.	13
7.0	6dB Bandwidth Measurement Bandwidth	23
8.0	Maximum Peak Output Power	28
9.0	Power Spectral Density Measurement.	30
10.0	Out of Band Measurement.	35
11.0	Antenna Requirement.	42
12.0	FCC ID Label	43
13.0	Photo of Test Setup and EUT View.	44

Report No.: TW2103077E Page 4 of 46

Date: 2021-04-12



General Details 1.0

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

Site Listed with Federal Communications commission (FCC)

Registration Number:744189 For 3m Anechoic Chamber

Site Listed with Industry Canada of Ottawa, Canada

Registration Number: IC: 5205A For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Hangzhou Roombanker Technology Co., Ltd. Address: A#801 Wantong center, Hangzhou, Zhejiang, China

18757285496 Telephone:

Fax:

Description of EUT

Product: Outdoor temperature and humidity sensor Manufacturer: Hangzhou Roombanker Technology Co., Ltd.

Address: A#801 Wantong center, Hangzhou, Zhejiang, China

Brand Name: N/A Additional Brand Name: N/A

Model Number: DSBC-060-2

Hardware Version: B41100960B

Software Version: V3.0.6 Serial No.: DS2045P100001

Type of Modulation **OQPSK**

Frequency range 2405-2475MHz Frequency Selection By software

Channel Number

Rating: DC3.0V, 1pcs CR2477 button battery

1.4 Submitted Sample: 1 Samples

The report refers only to the sample tested and does not apply to the bulk.

Report No.: TW2103077E Page 5 of 46

Date: 2021-04-12



1.5 Test Duration

2021-02-27 to 2021-04-10

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty = 6.0dB

Occupied Channel Bandwidth Uncertainty = 5%

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

Terry Tang

The sample tested by

Print Name: Terry Tang

Page 6 of 46

Report No.: TW2103077E

Date: 2021-04-12



2.0 Test Equipment								
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date			
ESPI Test Receiver	R&S	ESPI 3	100379	2020-06-23	2021-06-22			
TWO Line-V-NETW	R&S	EZH3-Z5	100294	2020-06-23	2021-06-22			
TWO Line-V-NETW	R&S	EZH3-Z5	100253	2020-06-23	2021-06-22			
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2020-06-23	2021-06-22			
Loop Antenna	EMCO	6507	00078608	2020-06-23	2021-06-22			
Spectrum	R&S	FSIQ26	100292	2020-06-23	2021-06-22			
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2020-06-23	2021-06-22			
Horn Antenna	R&S	BBHA 9120D	9120D-631	2018-07-09	2021-07-08			
Power meter	Anritsu	ML2487A	6K00003613	2020-06-23	2021-06-22			
Power sensor	Anritsu	MA2491A	32263	2020-06-23	2021-06-22			
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2018-07-04	2021-07-03			
9*6*6 Anechoic			N/A	2020-07-06	2021-07-05			
EMI Test Receiver	RS	ESVB	826156/011	2020-06-23	2021-06-22			
EMI Test Receiver	RS	ESH3	860904/006	2020-06-23	2021-06-22			
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2020-06-23	2021-06-22			
Spectrum	HP/Agilent	E4407B	MY50441392	2020-06-23	2021-06-22			
Spectrum	RS	FSP	1164.4391.38	2021-01-17	2022-01-16			
RF Cable	Zhengdi	ZT26-NJ-NJ-8 M/FA		2020-06-23	2021-06-22			
RF Cable	Zhengdi	7m		2020-06-23	2021-06-22			
RF Switch	EM	EMSW18	060391	2020-06-23	2021-06-22			
Pre-Amplifier	Schwarebeck	BBV9743	#218	2020-06-23	2021-06-22			
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2020-06-23	2021-06-22			
LISN	SCHAFFNER	NNB42	00012	2021-01-06	2022-01-05			

2.2 Automation Test Software

For Conducted Emission Test

Name	Version		
EZ-EMC	Ver.EMC-CON 3A1.1		

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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3.0 Technical Details

3.1 Summary of test results

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.207	Conducted Emission Test	N/A	Complies
FCC Part 15 Subpart C Paragraph 15.247(a)(2) Limit	Spectrum bandwidth of a Orthogonal Frequency Division Multiplex System Limit: 6dB bandwidth>500kHz	PASS	Complies
FCC Part 15, Paragraph 15.247(b)	Maximum peak output power Limit: max. 30dBm	PASS	Complies
FCC Part 15, Paragraph 15.109,15.205 & 15.209	Transmitter Radiated Emission Limit: Table 15.209	PASS	Complies
FCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm	PASS	Complies
FCC Part 15, Paragraph 15.247(d)	Out of Band Emission and Restricted Band Radiation Limit: 20dB less than peak value of fundamental frequency Restricted band limit: Table 15.209	PASS	Complies

3.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

Page 8 of 46

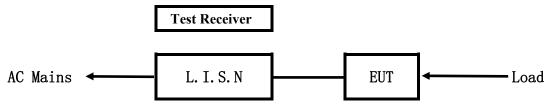
Report No.: TW2103077E

Date: 2021-04-12



5.Power Line Conducted Emission Test

5.1 Schematics of the test

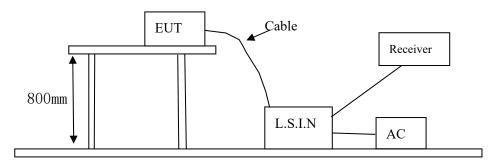


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum From 0.15 MHz to 30MHz was investigated. The LISN used was 50 ohm/50 uH as specified by section 5.1 of ANSI C63.10 -2013.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device		Manufacturer	Model	FCC ID	
Outdoor temp	perature and	Hangzhou Roombanker	DSBC-060-2	2AUXB-DSBC060	
humidity	sensor	Technology Co., Ltd.	D3DC-000-2	ZAUXB-DSBC000	

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Report No.: TW2103077E Page 9 of 46

Date: 2021-04-12



B. Internal Device

Device	Manufacturer	Model	Rating

C. Peripherals

Device	Manufacturer Model		Rating			

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (dB μ V)			
(MHz)	Quasi-peak Level	Average Level		
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*		
$0.50 \sim 5.00$	56.0	46.0		
5.00 ~ 30.00	60.0	50.0		

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

Note: EUT powered by CR2477 battery, this test item not applicable.

Report No.: TW2103077E Page 10 of 46

Date: 2021-04-12

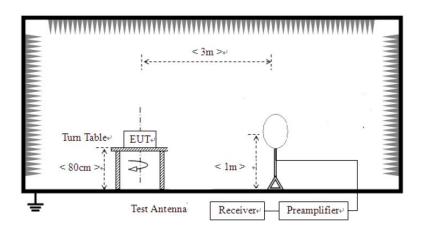


6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No.744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=1MHz VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "QP" in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

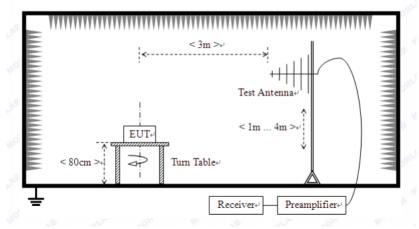
For radiated emissions from 9kHz to 30MHz



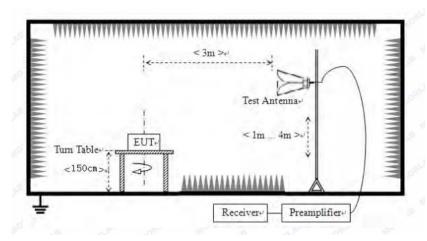
Date: 2021-04-12



For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT

 Same as section 5.3 of this report
- 6.3 EUT Operating Condition
 Same as section 5.4 of this report.
- 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

Report No.: TW2103077E Page 12 of 46

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Frequencies in restricted band are complied to limit on Paragraph 15.209 and 15.109

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
30-88	3	40.0
88-216	3	43.5
216-9 0	3	46.0
Above 960	3	54.0

Note:

Date: 2021-04-12

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2. In the Above Table, the higher limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. New battery was used during tests.
- 5. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

Report No.: TW2103077E Page 13 of 46

Date: 2021-04-12



Test result

General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

100

EUT set Condition: Keep Transmitting

Results: Pass

Test Figure:

FCC_FCC Part 15C Class B 30MHz-1GHz

0.0

70 60 50 40 M1 20

No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	96.671	20.82	-14.02	40.0	-19.18	Peak	15.00	200	Horizontal	Pass
2	151.220	13.80	-16.97	40.0	-26.20	Peak	111.00	200	Horizontal	Pass
3	381.537	35.28	-9.18	47.0	-11.72	Peak	309.00	100	Horizontal	Pass
4	773.319	29.22	-3.26	47.0	-17.78	Peak	7.00	100	Horizontal	Pass

Frequency (MHz)

600

1000

Report No.: TW2103077E Page 14 of 46

Date: 2021-04-12



Test result

General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Transmitting

Results: Pass

Test Figure:

No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)			(cm)		
1	96.671	19.87	-14.02	43.5	-23.63	Peak	309.00	100	Vertical	Pass
2	380.082	26.47	-9.19	46.0	-19.53	Peak	317.00	100	Vertical	Pass
3	580.095	32.20	-5.60	46.0	-13.80	Peak	274.00	100	Vertical	Pass

Page 15 of 46

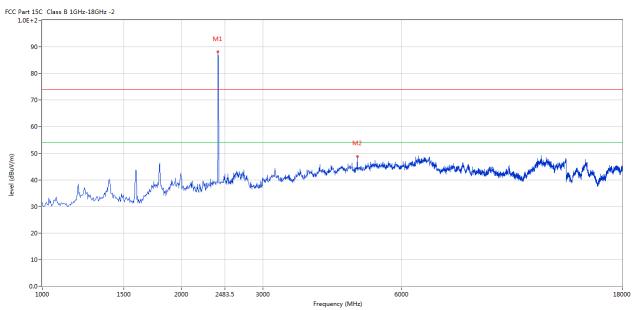
Report No.: TW2103077E

Date: 2021-04-12



Please refer to the following test plots for details:

Low Channel: Vertical



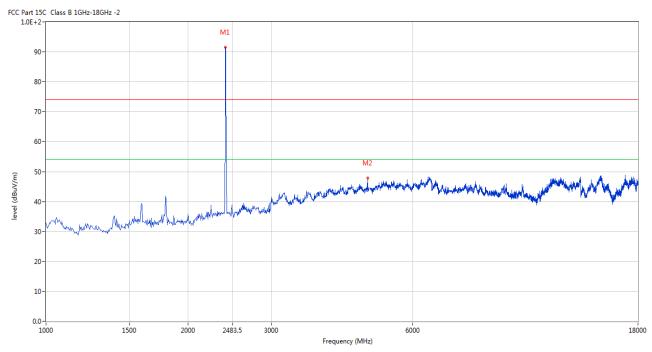
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
2	4808.000	48.72	3.13	74.0	-25.28	Peak	94.00	100	Vertical	Pass

Report No.: TW2103077E Page 16 of 46

Date: 2021-04-12



Low Channel: Horizontal



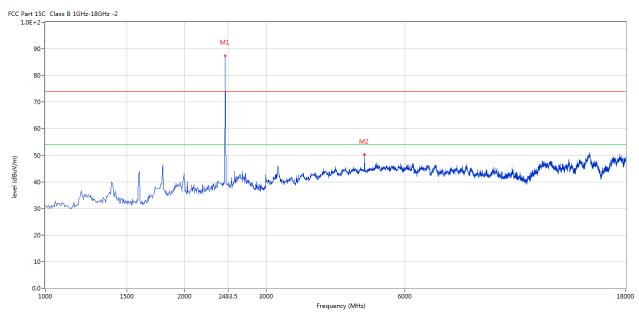
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
2	4808.000	47.77	3.13	74.0	-26.23	Peak	333.00	100	Horizontal	Pass

Report No.: TW2103077E Page 17 of 46

Date: 2021-04-12



Middle Channel: Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
2	4901.500	50.26	3.22	74.0	-23.74	Peak	76.00	100	Vertical	Pass

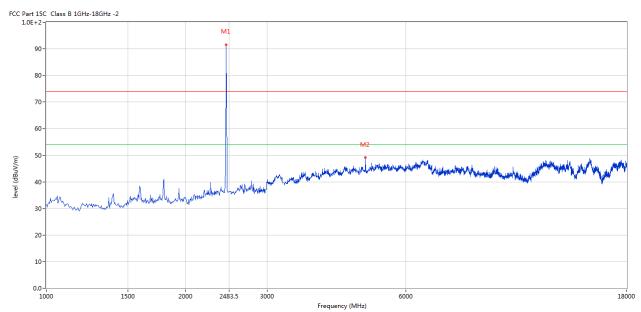
Page 18 of 46

Date: 2021-04-12



Middle Channel: Horizontal

Report No.: TW2103077E



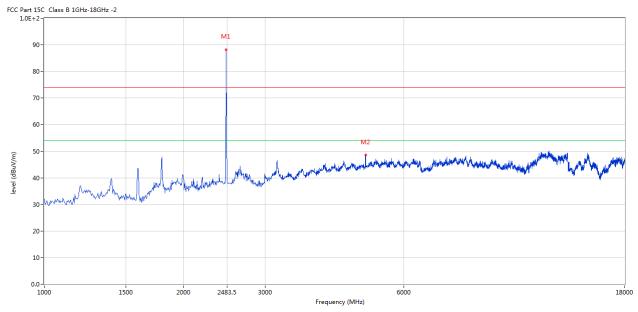
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
2	4897.250	49.09	3.21	74.0	-24.91	Peak	201.00	100	Horizontal	Pass

Report No.: TW2103077E Page 19 of 46

Date: 2021-04-12



High Channel: Vertical



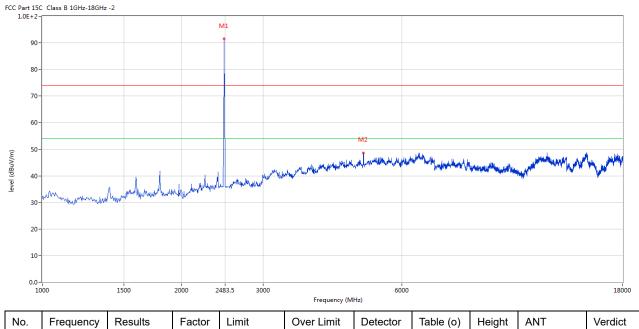
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
2	4952.500	49.52	3.34	74.0	-24.48	Peak	71.00	100	Vertical	Pass

Report No.: TW2103077E Page 20 of 46

Date: 2021-04-12



High Channel: Horizontal



Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
-	2	4948.250	49.49	3.33	74.0	-24.51	Peak	198.00	100	Horizontal	Pass

Note: 1. Result Level = Reading + Factor

- 2. Factor= AF + Cable Loss- Preamp
- 3. Margin = Result– Limit
- 4. For radiated Emissions from 18-25GHz and below 30MHz, it is only the floor noise.
- 5. The peak value less than the AV limit, no necessary to take down the AV measurement result.

Page 21 of 46

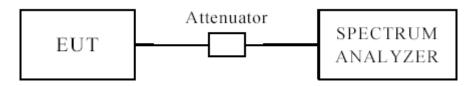
Report No.: TW2103077E

Date: 2021-04-12



7.0 6dB Bandwidth Measurement

7.1 Test Setup



7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

7.3 Test Procedure

- 1. Set resolution bandwidth (RBW) = 100 kHz
- 2. Set the video bandwidth (VBW) \geq 3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.4 Test Result

Report No.: TW2103077E Page 22 of 46

Date: 2021-04-12



6dB BW

uD D II							
EUT		Outdoor tempera	ature and humidity	Mod	el]	DSBC-060-2
		se	nsor				
Mode		Keep Tr	Test Voltage			DC3.0V	
Temperature		24 d	leg. C,	Humi	dity 56% RH		56% RH
Channel	Cha	annel Frequency (MHz)	6 dB Bandwi (kHz)	dth		num Limit MHz)	Pass/ Fail
Low	2405 1673			0.5		Pass	
Middle		2450	1693			0.5	Pass
High		2475	1663			0.5	Pass

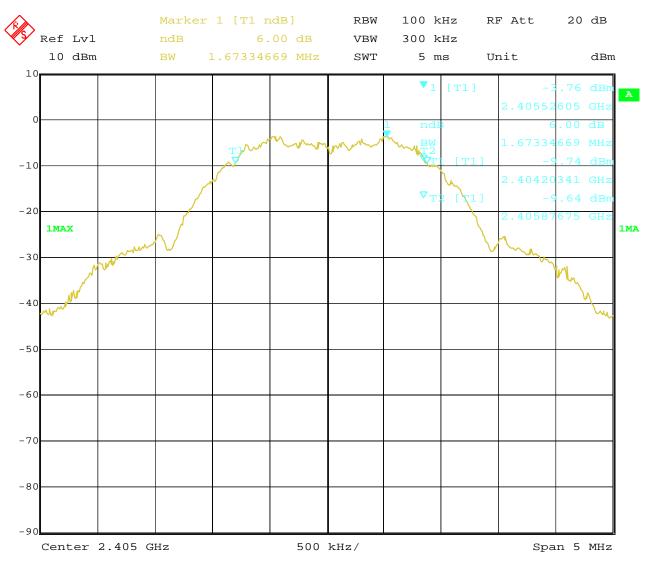
Report No.: TW2103077E Page 23 of 46

Date: 2021-04-12



Test Figure:

1. Condition: Low Channel



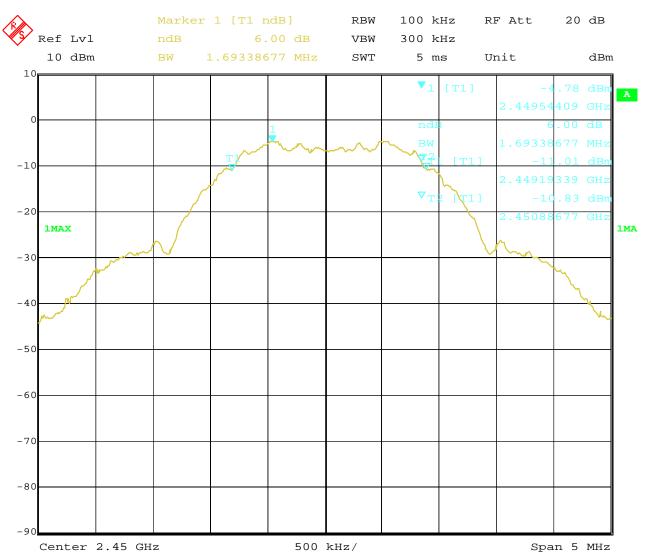
Date: 10.APR.2021 16:43:44

Report No.: TW2103077E Page 24 of 46

Date: 2021-04-12



2. Condition: Middle Channel



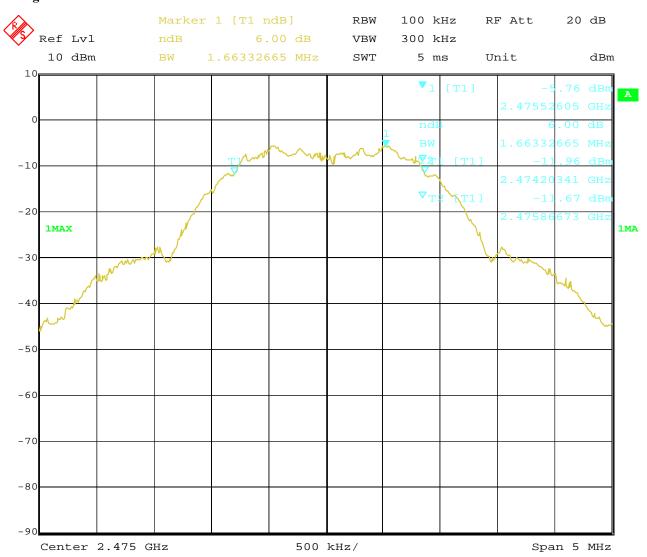
Date: 10.APR.2021 16:36:54

Report No.: TW2103077E Page 25 of 46

Date: 2021-04-12



3. High Channel



Date: 10.APR.2021 16:37:55

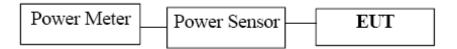
Date: 2021-04-12



Page 26 of 46

8. Maximum Output Power

8.1 Test Setup



8.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

8.3 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: the Peak power were measured.

Report No.: TW2103077E Page 27 of 46

Date: 2021-04-12



8.4Test Results

EUT		Outdoor temper	ature and humidity	Model	DSBC	C-060-2	
		Se	ensor				
Mode		Keep Tı	ransmitting	Test Voltage	DC3.0V		
Temperatu	mperature 24 deg. C,		deg. C,	Humidity	56%	6 RH	
Channel	Cl	nannel Frequency	Max. Power Output (dBm)		Peak Power Limit	Pass/ Fail	
Chamer		(MHz)	Peak		(dBm)		
Low		2405	5.2	2	30	Pass	
Middle		2450	4.3	9	30	Pass	
High		2475	4.0	8	30	Pass	

Note: 1. the result basic equation calculation as follow:

Max. Power Output = Power Reading + Cable loss + Attenuator

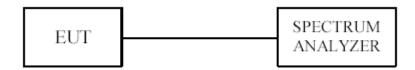
Report No.: TW2103077E Page 28 of 46

Date: 2021-04-12



9. Power Spectral Density Measurement

9.1 Test Setup



9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm/3kHz.

9.3 Test Procedure

- 1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
- 2. Set the RBW = 10 kHz.
- 3. Set the VBW \geq 30 kHz.
- 4. Set the span to 1.5 times the DTS channel bandwidth.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
- 11. The resulting peak PSD level must be $\leq 8 \text{ dBm/3kHz}$.

Report No.: TW2103077E Page 29 of 46

Date: 2021-04-12



9.4Test Result

EUT			oor temperat		Mod	el	Ι	OSBC-060-2
Mode	Mode		Keep Transmitting			Test Voltage		DC3.0V
Temperati	Temperature		24 deg. C,		Humidity			56% RH
Channel	Re	Power rading	Cable Loss (dB)	Final Power Spectral Density (dBm/10kHz)		Maxir Lim (dBm/3	nit	Pass/ Fail
_								_
Low	-1	2.05	0.2	-1	1.85	8		Pass
Middle	Middle -12.95		0.2	-12	2.75	8		Pass
High	-1	4.16	0.2	-13	3.96	8		Pass

Note: The result basic equation calculation as follow:

Peak Power Output = Peak Power Reading + Cable loss

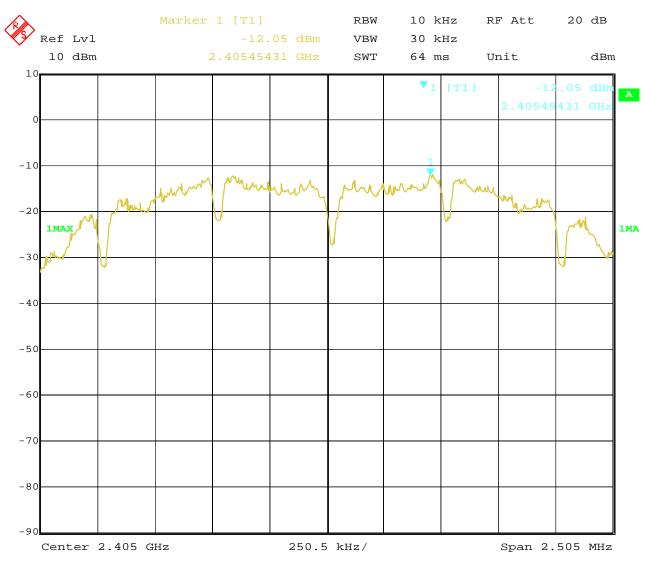
Report No.: TW2103077E Page 30 of 46

Date: 2021-04-12



Test Figure:

1. Condition: Low Channel

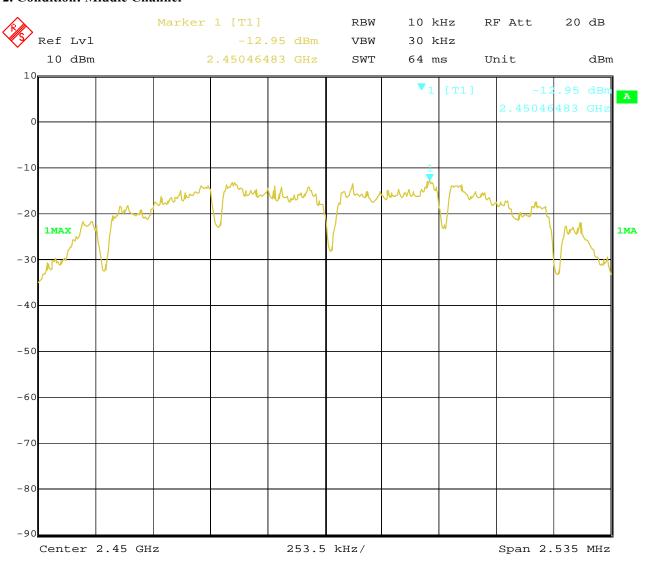


Date: 10.APR.2021 16:44:27

Report No.: TW2103077E Page 31 of 46 Date: 2021-04-12



2. Condition: Middle Channel



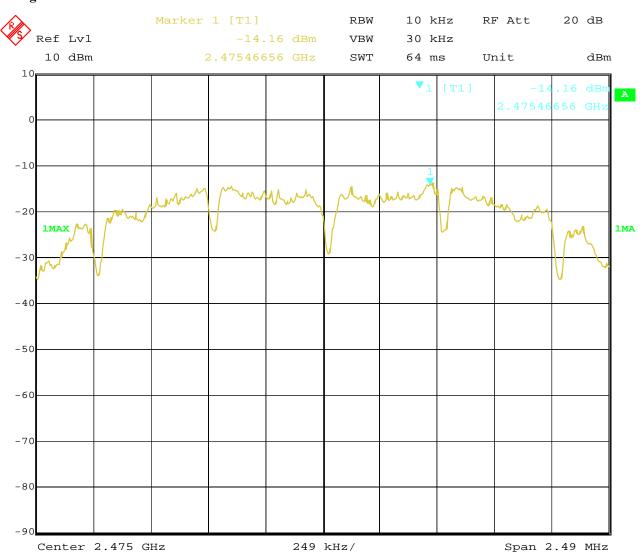
10.APR.2021 16:40:48 Date:

Report No.: TW2103077E Page 32 of 46

Date: 2021-04-12



3. High Channel



Date: 10.APR.2021 16:42:45

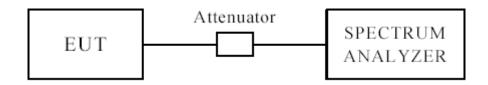
Date: 2021-04-12



Page 33 of 46

10 Out of Band Measurement

10.1 Test Setup for band edge



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

10.2 Limits of Out of Band Emissions Measurement

- 1. Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
- 2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

10.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of Radiated emission test. (Peak values with RBW=1MHz, VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector)

For bandage test, the spectrum set as follows: RBW=100 kHz, VBW=300 kHz. A conducted measurement used

10.4 Test Result

Please see next pages

Note: 1. For band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule.

2. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

Report No.: TW2103077E Page 34 of 46

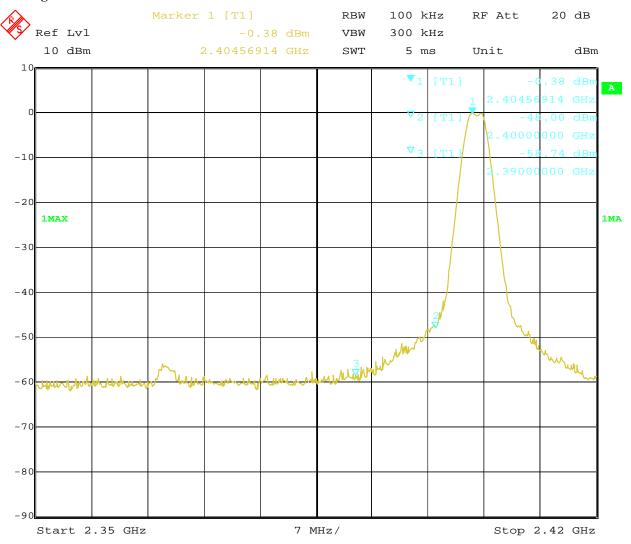
Date: 2021-04-12



10.4 Band-edge Measurement

EUT	Outdoor temperature and	Model	DSBC-060-2
	humidity sensor		
Mode	Keep Transmitting	Test Voltage	DC3.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 10.APR.2021 16:45:20

Report No.: TW2103077E Page 35 of 46

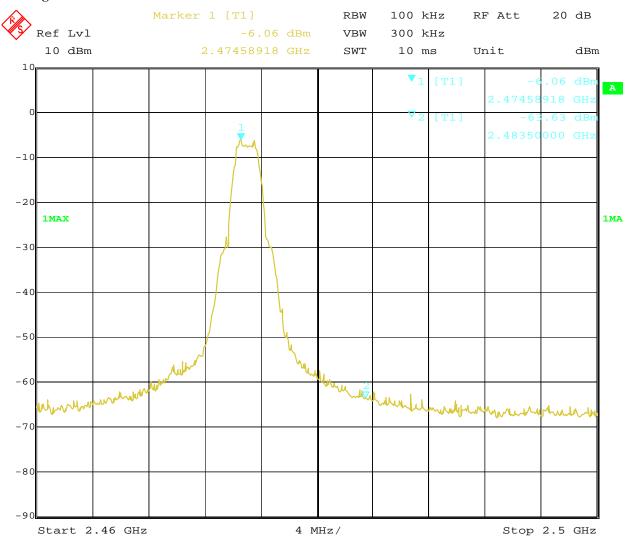
Date: 2021-04-12



10.4 Band-edge Measurement

EUT	Outdoor temperature and humidity	Model	DSBC-060-2
	sensor		
Mode	Keeping Transmitting	Test Voltage	DC3.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 10.APR.2021 16:39:39

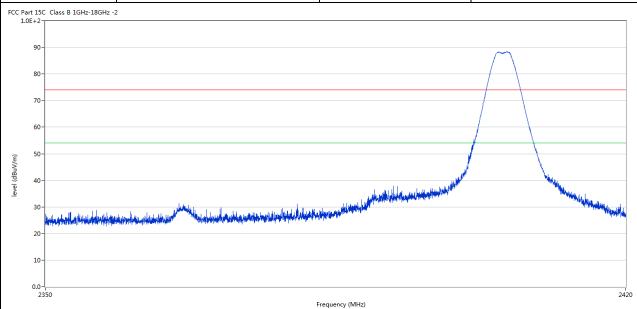
Report No.: TW2103077E Page 36 of 46

Date: 2021-04-12



10.4 Restrict Band Measurement

EUT	Outdoor temperature and	Model	DSBC-060-2
	humidity sensor		
Mode	Keep Transmitting	Test Voltage	DC3.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
2	2399.613	38.21	-3.57	74.0	-35.79	Peak	86.00	100	Vertical	Pass
3	2389.427	28.46	-3.53	74.0	-45.54	Peak	100.00	100	Vertical	Pass

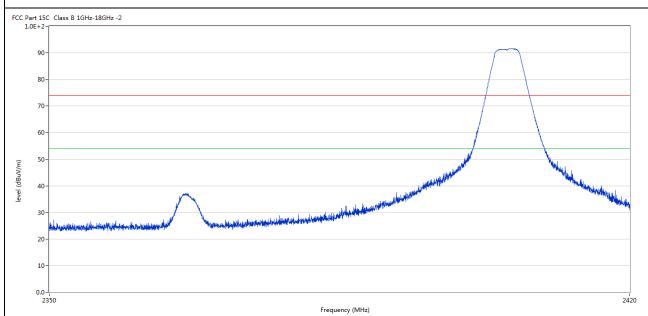
Report No.: TW2103077E Page 37 of 46

Date: 2021-04-12



10.4 Restrict Band Measurement

EUT	Outdoor temperature and	Model	DSBC-060-2		
	humidity sensor				
Mode	Keep Transmitting	Test Voltage	DC3.0V		
Temperature	24 deg. C,	Humidity	56% RH		
Test Result:	Pass				



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
2	2399.507	40.45	-3.57	74.0	-33.55	Peak	333.00	100	Horizontal	Pass
3	2389.655	30.23	-3.53	74.0	-43.77	Peak	329.00	100	Horizontal	Pass

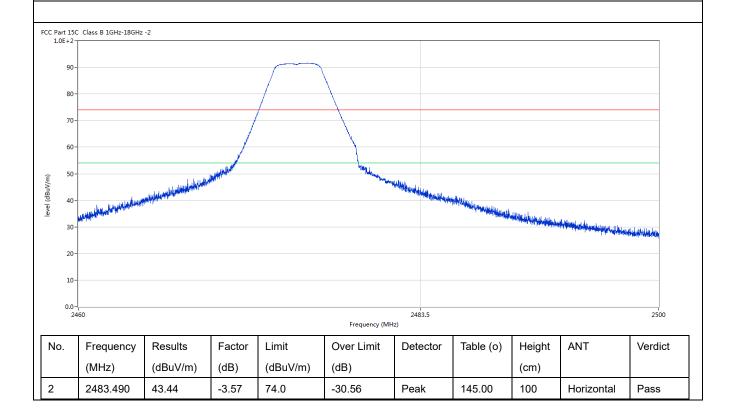
Report No.: TW2103077E Page 38 of 46

Date: 2021-04-12



10.4 Restrict Band Measurement

EUT	Outdoor temperature and	Model	DSBC-060-2		
	humidity sensor				
Mode	Keep Transmitting	Test Voltage	DC3.0V		
Temperature	24 deg. C,	Humidity	56% RH		
Test Result:	Pass				



Report No.: TW2103077E Page 39 of 46

Date: 2021-04-12

2483.460

41.20



10.4 Restrict Band Measurement

0.4	Restrict B	and Measure	ement								
	EUT	Outdo	oor temp	erature and		Mod	del		I	OSBC-060)-2
		h	numidity	sensor							
	Mode	Ke	eep Tran	smitting		Test Vo	oltag	ge		DC3.0V	7
Ten	nperature		24 deg	g. C,		Humi	idity	,		56% RH	[
Tes	st Result:		Pas	s							
CC Part 15 1.0E+2	C Class B 1GHz-18GHz	-2									
90			\								
80											
70											
60	60-										
- 50:	50- 40- 30-				Mary Long Mary Land						
BuV/m											
P) 40	المام المام من المام	harding life water from				harpalanda da d					
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10-											
10											
0.0	- - 460				Frequency (MH	2483.5 z)					2500
No.	Frequency	Results	Factor	Limit	Over Limit	Detect	tor	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)				(cm)		

191.00

100

Vertical

Pass

Peak

Note: The peak value less than the AV limit, no necessary to take down the AV measurement result.

-32.80

-3.57

74.0

Report No.: TW2103077E Page 40 of 46

Date: 2021-04-12



11.0 Antenna Requirement

11.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 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.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the mount in dB that the directional gain of the antenna exceeds 6 dBi.

11.2 Antenna Connected construction

PCB antennas used. The gain of the antennas is 2.0dBi. (Declared by the applicant)

Report No.: TW2103077E Page 41 of 46

Date: 2021-04-12

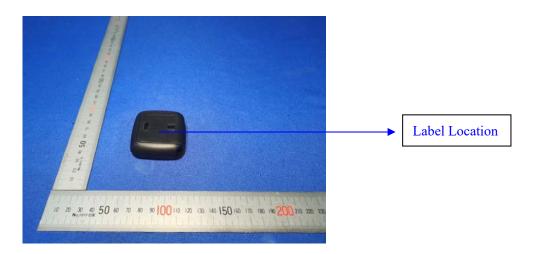


12.0 FCC ID Label

FCC ID: 2AUXB-DSBC060

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:

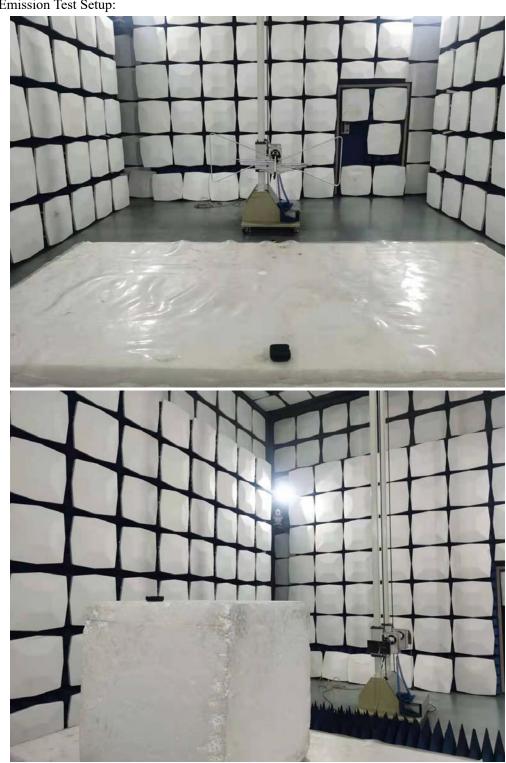


Date: 2021-04-12



13.0 Photo of testing

Radiated Emission Test Setup:



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Photographs – EUT

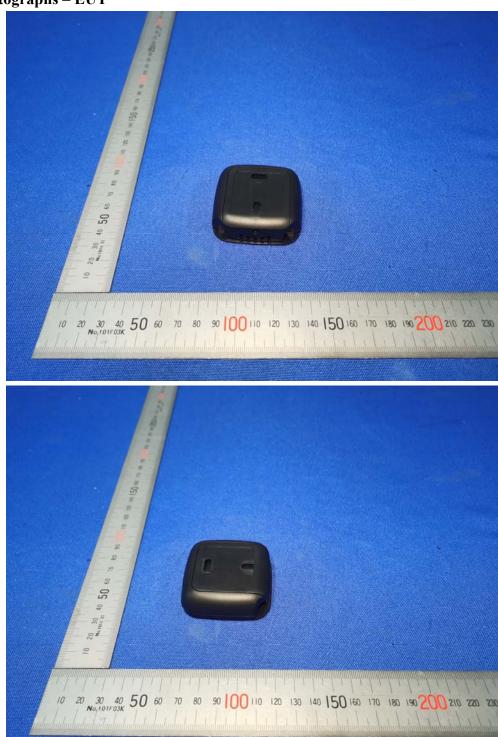




Date: 2021-04-12



Photographs – EUT



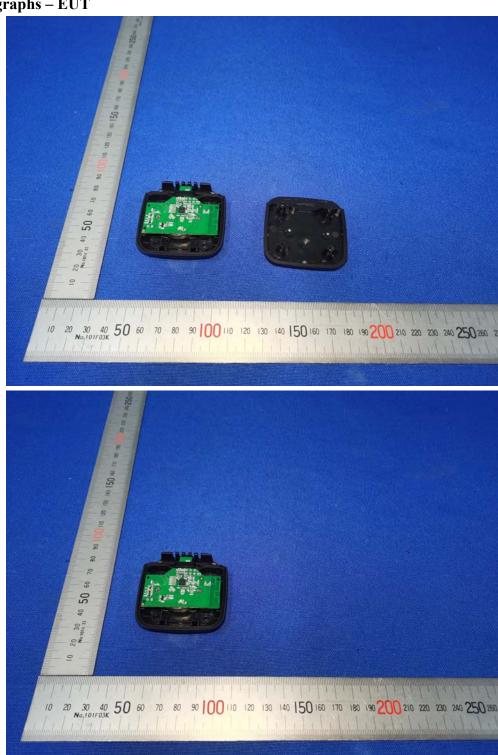
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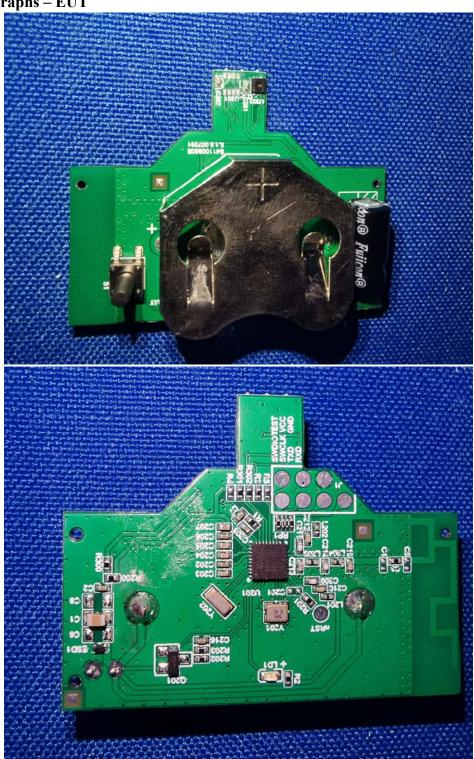
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