





Report No.: TW2104356E File reference No.: 2021-05-14

Applicant: ACCO Brands, Inc

Product: Wireless Dongle

Model No.: M01520-D

Brand Name: Kensington

Test Standards: FCC Part 15.249

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10 &FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: May 14, 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

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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 CNAS. This approval result is accepted by MRA of APLAC.

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

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 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

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Test Report Conclusion

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

11.0

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Photo of Test Setup and EUT View.

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1.0 General Details

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 (755) 83442996 Fax:

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: ACCO Brands, Inc

Address: 1500 Fashion Island Blvd., 3rd Floor, San Mateo, CA 94404, USA

Telephone: 886-2-8797-1618 Fax: 886-2-8797-6616

1.3 Description of EUT

Channel List:

Product: Wireless Dongle Manufacturer: ACCO Brands, Inc

Address: 1500 Fashion Island Blvd., 3rd Floor, San Mateo, CA 94404, USA

Brand Name: Kensington Model Number: M01520-D

Additional Model Name N/A

Hardware Version: HXSC NANO Software Version: M0152-D V2.0 Serial No.: AYYWWA000001 Rating: Input: DC5.0V, 25mA

GFSK Modulation Type:

Operation Frequency: 2405-2475MHz

Channel	1		3	4
Frequency (MHz)	2405	2411	2417	2451
Channel	5	6	7	8
Frequency (MHz)	2457	2463	2469	2475

Antenna Designation PCB antenna with gain -1.66dBi Max (Get from the antenna specification

provided by the applicant)

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1.4 Submitted Sample: 1 Sample

1.5 Test Duration

2021-04-22 to 2021-05-14

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%

Conducted Emissions Uncertainty = 3.6dB

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

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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
LISN	R&S	EZH3-Z5	100294	2020-06-23	2021-06-22
LISN	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	2018-06-25	2021-06-24
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	2021-01-16	2022-01-15
RF Cable	Zhengdi	ZT26-NJ-NJ-8M /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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Technical Details 3.0

3.1 **Summary of test results**

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.207	Conducted Emission Test	PASS	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	PASS	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	PASS	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	PASS	Complies

3.2 **Test Standards**

FCC Part 15 Subpart C, Paragraph 15.249, ANSI C63.4:2014 and ANSI C63.10:2013

4.0 **EUT Modification**

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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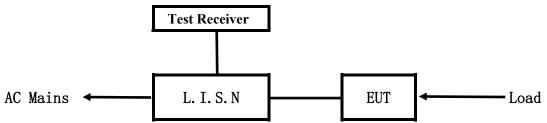
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

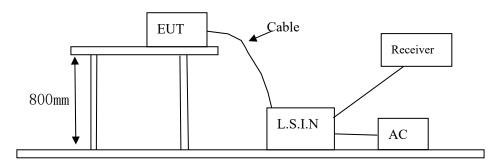


EUT: Equipment Under Test

5.2 Test Method and test Procedure

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

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.

One channels are provided to the EUT

A. EUT

Device	Device Manufacturer		FCC ID	
Wireless Dongle	ACCO Brands, Inc	M01520-D	GV3M01520-D	

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Rating	
PC	ThinkPad	R4	-

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

<u> </u>					
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			
$5.00 \sim 30.00$	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:

Pass

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

EUT Operating Environment

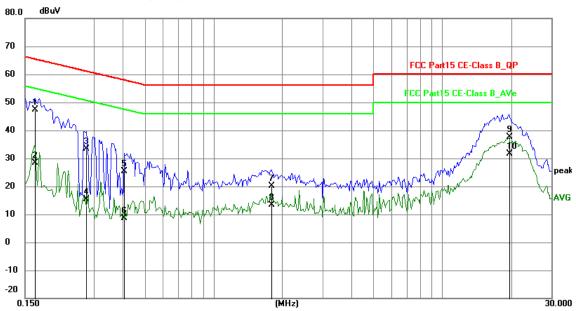
Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep Transmitting

Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1655	37.69	9.77	47.46	65.18	-17.72	QP	Р
2	0.1655	18.49	9.77	28.26	55.18	-26.92	AVG	Р
3	0.2787	23.63	9.76	33.39	60.85	-27.46	QP	Р
4	0.2787	5.53	9.76	15.29	50.85	-35.56	AVG	Р
5	0.4074	15.72	9.76	25.48	57.70	-32.22	QP	Р
6	0.4074	-1.09	9.76	8.67	47.70	-39.03	AVG	Р
7	1.7880	10.37	9.80	20.17	56.00	-35.83	QP	Р
8	1.7880	3.61	9.80	13.41	46.00	-32.59	AVG	Р
9	19.5438	27.04	10.65	37.69	60.00	-22.31	QP	Р
10	19.5438	20.87	10.65	31.52	50.00	-18.48	AVG	Р

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

EUT Operating Environment

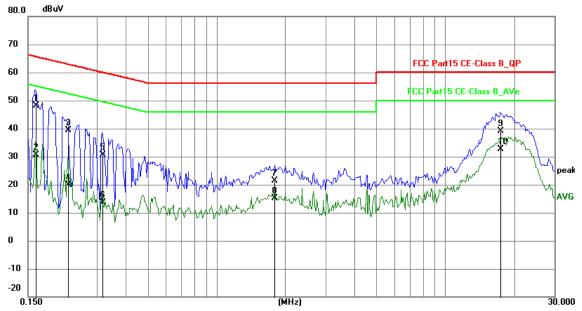
Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep Transmitting

Equipment Level: Class B

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1617	38.35	9.78	48.13	65.38	-17.25	QP	Р
2	0.1617	20.75	9.78	30.53	55.38	-24.85	AVG	Р
3	0.2241	29.60	9.75	39.35	62.67	-23.32	QP	Р
4	0.2241	10.06	9.75	19.81	52.67	-32.86	AVG	Р
5	0.3177	20.87	9.76	30.63	59.77	-29.14	QP	Р
6	0.3177	3.94	9.76	13.70	49.77	-36.07	AVG	Р
7	1.7958	11.61	9.80	21.41	56.00	-34.59	QP	Р
8	1.7958	5.27	9.80	15.07	46.00	-30.93	AVG	Р
9	17.4573	28.63	10.53	39.16	60.00	-20.84	QP	Р
10	17.4573	22.12	10.53	32.65	50.00	-17.35	AVG	Р

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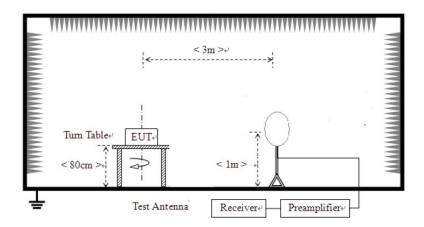


6 Radiated Emission Test

- 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. All readings are above 1 GHz, peak values with a resolution bandwidth of 10MHz. 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) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz

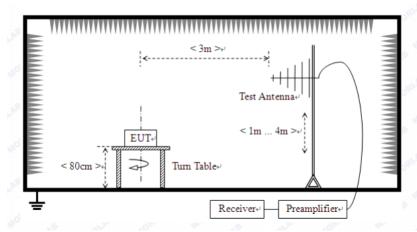


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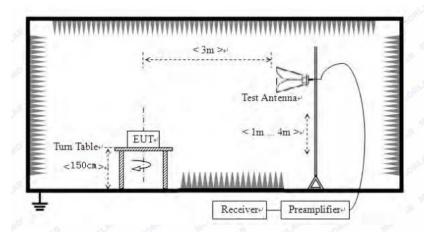
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For radiated emissions from 30MHz to1GHz



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.

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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:

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency	Field Stre	eld Strength of Fundamental (3m)			Field Strength of Harmonics (3m)		
(MHz)	mV/m	dBuV/m		uV/m	dBuV/m		
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)	

Note:

- 1. RF Field Strength (dBuV) = 20 log RF Voltage (uV)
- 2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

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

Note:

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.

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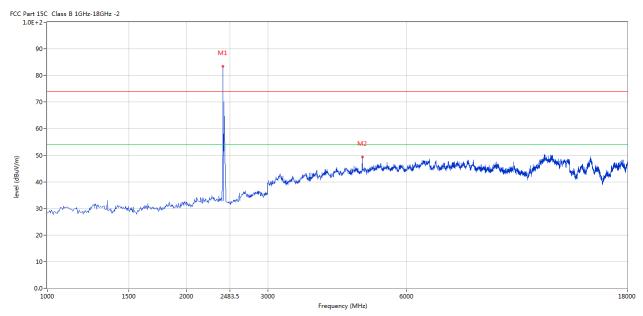


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2405MHz

Horizontal



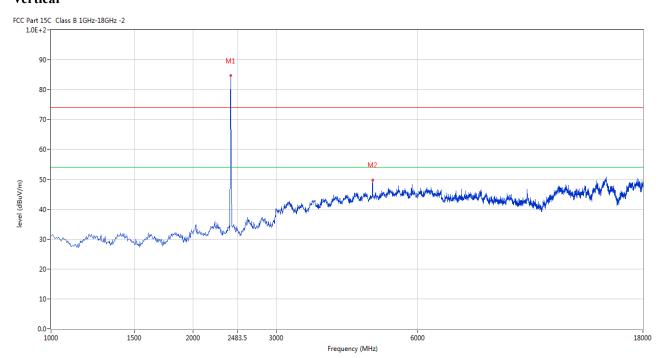
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2404.750	83.47	-3.57	114.0	-30.53	Peak	276.00	100	Horizontal	Pass
2	4812.250	49.35	3.13	74.0	-24.65	Peak	235.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2404.750	84.67	-3.57	114.0	-29.33	Peak	281.00	100	Vertical	Pass
2	4808.000	50.66	3.13	74.0	-23.34	Peak	56.00	100	Vertical	Pass

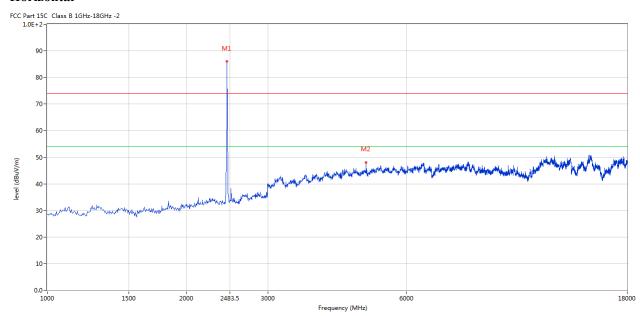
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Please refer to the following test plots for details: Middle Channel-2451MHz

Horizontal



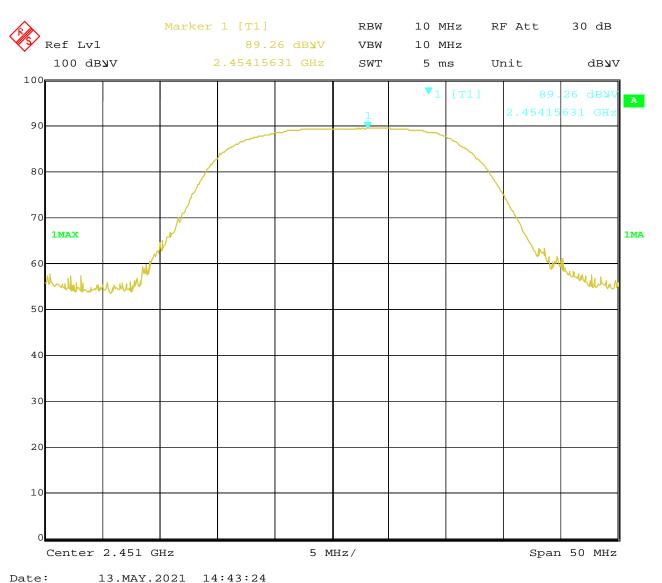
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2450.250	85.69	-3.57	114.0	-28.01	Peak	236.00	100	Horizontal	Pass
2	4901.500	48.05	3.22	74.0	-25.95	Peak	77.00	100	Horizontal	Pass

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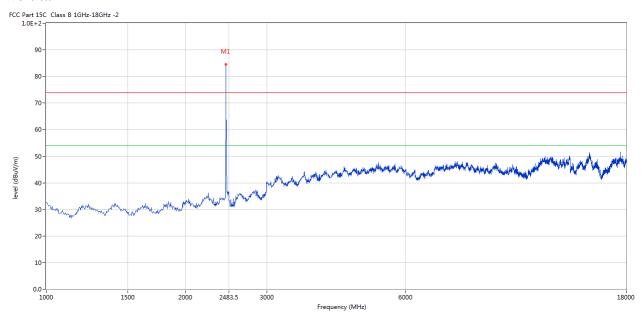
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2450.250	85.63	-3.57	114.0	-28.37	Peak	280.00	100	Vertical	Pass

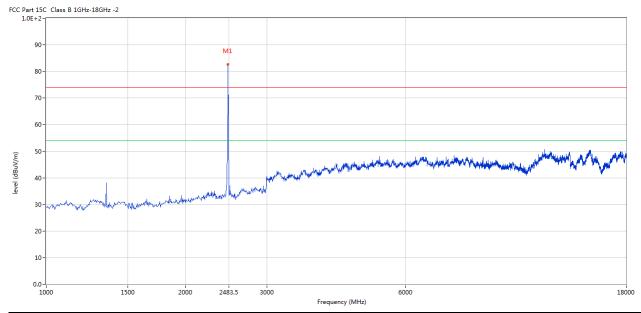
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Please refer to the following test plots for details: High Channel-2475MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2474.750	83.65	-3.57	114.0	-30.35	Peak	46.00	100	Horizontal	Pass

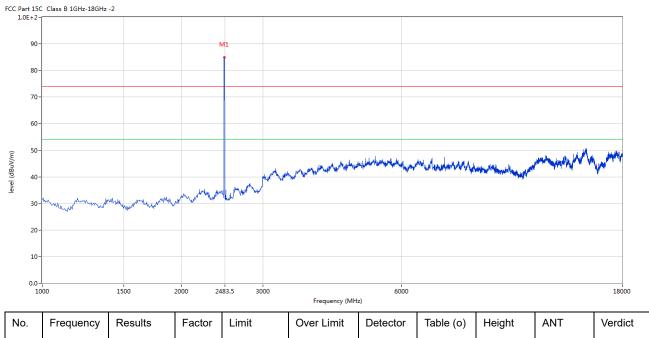
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2475.250	84.93	-3.57	114.0	-29.07	Peak	291.00	100	Vertical	Pass

Note: (2) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

- (3) Margin=Emission-Limits
- (4) According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (5) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, It is only the floor noise. No necessary to take down.
- (6) the measured PK value less than the AV limit.

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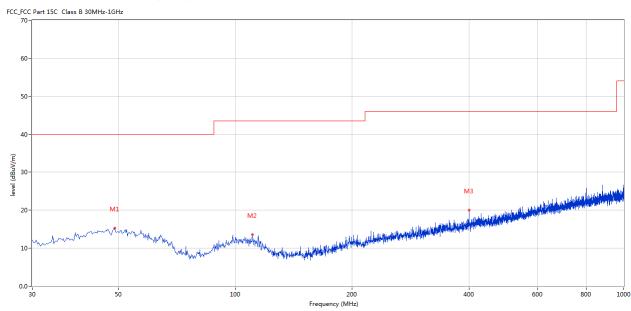


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
-	1	48.910	15.35	-11.21	40.0	-24.65	Peak	18.00	100	Horizontal	Pass
	2	110.732	13.53	-13.64	43.5	-29.97	Peak	53.00	100	Horizontal	Pass
	3	399.963	20.00	-8.57	46.0	-26.00	Peak	321.00	100	Horizontal	Pass

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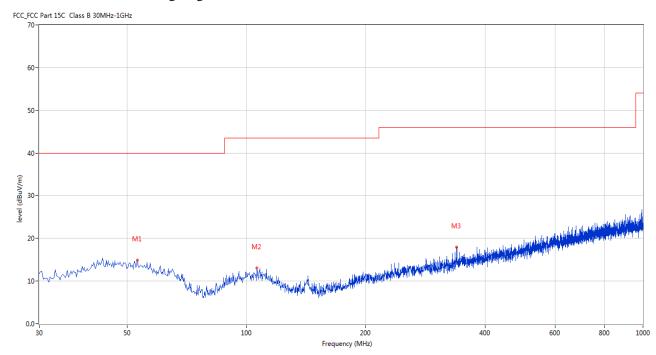


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	53.032	14.89	-11.50	40.0	-25.11	Peak	2.00	100	Vertical	Pass
2	106.126	13.01	-13.32	43.5	-30.49	Peak	73.00	100	Vertical	Pass
3	339.110	17.99	-9.78	46.0	-28.01	Peak	34.00	100	Vertical	Pass

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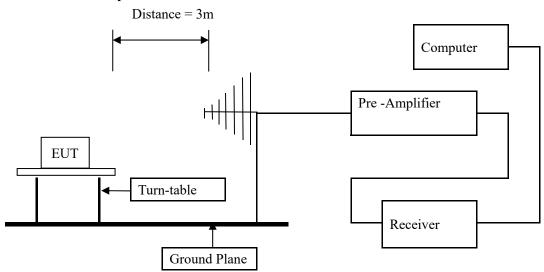


7. Band Edge

7.1 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) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

7. 2 Radiated Test Setup



For the actual test configuration, please refer to the related items – Photos of Testing

7.3 Configuration of The EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

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.

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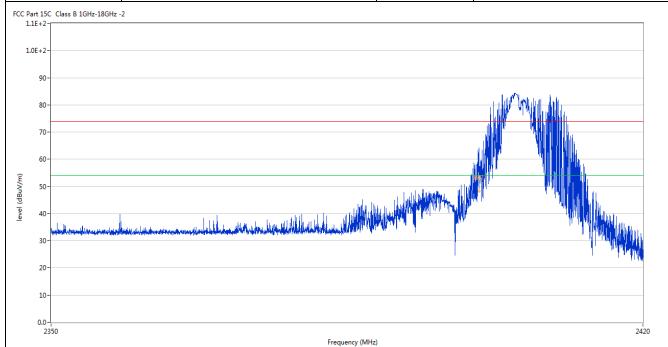
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7.6 Test Result

Product:	Wireless Dongle	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		

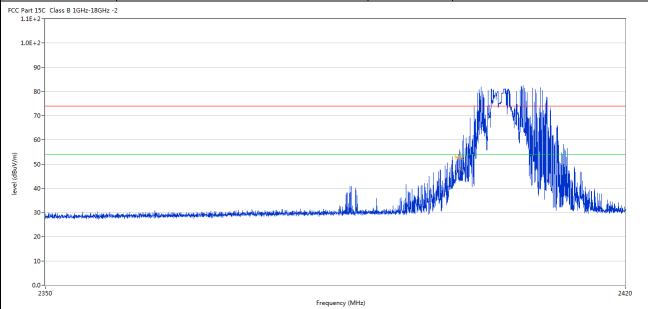


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
2	2400.390	64.13	-3.57	74.0	-9.87	Peak	301.00	100	Horizontal	Pass
2**	2400.390	48.32	-3.57	54.0	-5.68	AV	301.00	100	Horizontal	Pass
3	2390.705	43.14	-3.53	74.0	-30.86	Peak	190.00	100	Horizontal	Pass

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Wireless Dongle	Detector	Vertical
Keeping Transmitting	Test Voltage	DC5.0V
24 deg. C,	Humidity	56% RH
Pass		
	Keeping Transmitting 24 deg. C,	Keeping Transmitting Test Voltage 24 deg. C, Humidity



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
2	2400.022	55.87	-3.57	74.0	-18.13	Peak	274.00	100	Vertical	Pass
2**	2400.022	47.77	-3.57	54.0	-6.23	AV	274.00	100	Vertical	Pass
3	2389.760	35.79	-3.53	74.0	-38.21	Peak	301.00	100	Vertical	Pass

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ŀ	Product:		Wire	less Dongle		Polari	ty		Horizontal		
	Mode	Keeping Transmitting				Test Vol	Test Voltage		DC5.0V		
Tei	mperature		24	4 deg. C,		Humid	lity		56% RH		
Te	est Result:			Pass							
C Part 1:	.5C Class B 1GHz-18GHz 2-r	-2									
90	0-										
				. Ina. Pannika I	Inc. Mic.a.						
80	0-		Challe Co. St. Challen Million.								
70	0-										
	io-										
60	0-				31						
					1411	Hall .					
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	0-	LANGE MARKET						malife maple on the line.	nd delicent state that he we have		
	0-	Laphin Milder					had y he dillocate	سيداوا يوميناو ماومري	on to distribute the state of t		
. 50	o	isanika na hidabah di palibi					Mare Mary India di Albana da	maddilessentherintentim	منة بالمغرب بعود بالأدوب أ	a a ship ta ha	
50 40 30	0						hadiyldaliihaa	maldis mes den estados.	nakaning dipalikan d	n a deb Leiter	
300							handiyyldrilgiihaanin	maddalumenidenindening	مناه بالمغرب معاوية المراكبة ومراكبة	ne sa salah katiki	
30 20 10						2483.5	hadiyddolaibhaa	maldicansilarin den han	na haringan, adap delikalihan, di	2500	
50 40 30 20 10	0			1:	Frequency (MH	z)	Table (c)	maddinentiferentes, imp	and the state of t	1	
30 20 10	0	Results	Factor	Limit	Over Limit		Table (o)	Height	ANT	2500 Verdict	
30 20 10	0		Factor (dB)	Limit (dBuV/m) 74.0		z)	Table (o)	Height (cm)	ANT Horizontal	1	

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	Pr	oduct:		Wire	less Dongle		Detecto	or		Vertical	
	N	Mode		Keeping	g Transmitti	ng	Test Volta	age		DC5.0V	
7	Гет	perature		24 deg. C,			Humidi	ty	56% RH		
-	Test	t Result:			Pass						
	ort 15C DE+2-	Class B 1GHz-18GHz	-2								
	90-										
	80-				July Harmy Later						
	70-				7 7						
	60-				47	77W 7 W (4)					
		50-									
Œ	50-				I						
el (dBuV/m)	50- 40-	differential formation and the conditions of the	um dibibisi dibib		I			iki osa mala sila di ajiyakla sila kisa		والمراجعة	dig ajkohista ninda
level (dBuV/m)	d	المانوانية والمراد ومعموا ومرسانين والمانوانية والمراد	uman dalah d		I			iki an ada da di dinaki na di di	terit kan da sahiri daki daki ang sanda	ndfamilian de fan d	Migh afleshirit period at
level (dBuV/m)	40-	Matrifictures des Atrondotes de Cartes de Ca	um distribution de la constitución				111111111111111111111111111111111111111	ikan dalah di disebigai bela	tyring and hand his defendance due	ndred bend kroptellen (for en like	Migraphologycond-V
level (dBuV/m)	40 - 30 - 20 -	directivity the manest an electrical state of	imtil.php.php.ddl.ph				<u> </u>	ik madanki isidin libik	tyring an Arindalia deleganiya da	ndrige bleed knowleddig o'r fleir wei is k	illing aylanlasin person di il
level (dBuV/m)	30 20 10	dittatistis tuuraandasuudisuudistatut	ummaridakok kalendak				<u>Unille</u> ntemen	ikanada kirinda	ing in e _t and the single in the international state of the international	indrasi dasan di dan pertendidan kengelapan sersa dan	Ally of which more at
level (dBuV/m)	40 - 30 - 20 -	in distribution and an alternative at the second	ummaridado de la composição de la compos			Frequency (MH	2483.5	ikanadeski iziindes	tyring an Arindrija i delegation acceptor	indrasi dan di kenpeladdan ng kenasa ka	2500
NO O	40 - 30 - 20 - 10 - 246	Frequency	Results	Factor	Limit	Frequency (MH	2483.5	Table (o)	Height	ANT	2500 Verdict
	40 - 30 - 20 - 10 - 246	60	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	1	2483.5 z)				

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

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8.0 Antenna Requirement

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a PCB antenna. The antenna gain is -1.66dBi Max. It fulfills the requirement of this section. Test Result: Pass

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Product:	Wi	reless Don	ongle			Test Mode:		Keep transmitting		
Mode	ing Transmitting				Test Voltage		DC5.0V			
emperature [24 deg. C,			Humidity Detector			56% RH		
Test Result:		Pass						P	K	
dB Bandwidth 7.254								-	· -	
\	Delta	1 [T1]		RI	ЗW	100 k	Hz	RF Att	30 dB	
Ref Lvl		-0.	49 dB	VI	ЗW	300 k	Hz			
10 dBm		7.254509	002 MHz	Sī	TV	5 m	S	Unit	dBm	
10						$lacktriangledown_1$	[T1]	-2	1.74 dBm	
								2.4022	5451 GHz	
0			2			<u>^</u> 1	[T1]	_	0.49 dB	
			\	١		∇ 2	[T1]	7.2545	0902 MHz 3.44 dBm	
10			1	Й				2.4046	1924 GHz	
		1		M		< ^ ^	_			
20 -1D1 -23.44	dBm	1	/			\bigvee	7			
	G.D.III	/ W			•		\			
30										
		MN						\		
40		// 						\\\\ a		
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who have									W Vy	
60										
70										
80										
90										
Center 2.4	05 GHz		2 M	Hz/				Spar	n 20 MHz	

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Product:	Wireless Dongle	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	7.375MHz		
Ŕ	Delta 1 [T1]	RBW 100 kHz	z RF Att 30 dB
Ref Lvl	-0.01 di		
10 dBm	7.37474950 M	Hz SWT 5 ms	Unit dBm
10		▼1 [T1] -22.01 dBm
			2.44821443 GHz
0		²	T1] -0.01 dB
		\\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	7.37474950 MHz
-10	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4	T1] -2.76 dBm 2.45061924 GHz
	\(\ldot\)	I My My M	2.43001924 6112
-20 -1D1 -22.7	76 dBm		
1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1MA
-30			
- 40			
-50 Www. Mall M			LI WWW
-60			
-70			
-80			
-90			
Center 2.	.451 GHz	2 MHz/	Span 20 MHz
Date: 13	.MAY.2021 17:58:42		

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Product:	Wire	eless Dong	le		Test Mo	de:	Keep tr	ansmitting	
Mode	Keepin		Test Voltage		DC5.0V				
Temperature	24 deg. C, Pass				Humidity Detector		56% RH PK		
Test Result:									
20dB Bandwidth	7.	.415MHz							
Ŕ	Delta 1	L [T1]		RB	W 100	kHz	RF Att	30 dB	
Ref Lvl		0.	75 dB	VB	W 300	kHz			
10 dBm	7	7.414829	66 MHz	SW'	т 5	ms	Unit	dBm	
10					•	1 [T1]] -2:	2.63 dBm	A
							2.4721	7435 GHz	A
0			7		4	1 [T1]		0.75 dB	
			M		_	7 o [m 1 ·		2966 MHz	
-10			/ Jan	4	,	2 [T1]	2.47463	2.29 dBm 1924 GHz	
			MA	M	MM	\bigwedge	2.17101	1921 0112	
-20 -D1 -22.	29 dBm	₹ 1,				V \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
1 _{max}		/ ///		,					1MA
-30							7		
-40		$\int d$							
- ^		V					V/\/\		
-50	VIV. ~ W V						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	MV4	
-60									
-70									
-80									
-90									
Center 2	.475 GHz		2 M	Hz/			Spar	n 20 MHz	•
Date: 13	3.MAY.2021 18	:25:43							

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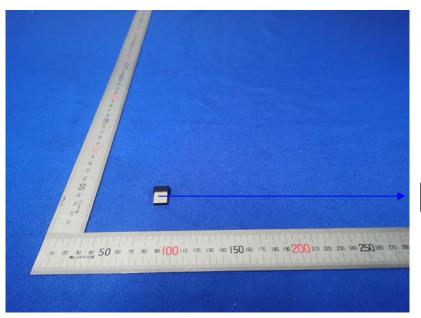


10.0 FCC ID Label

FCC ID: GV3M01520-D

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:



FCC Label Location

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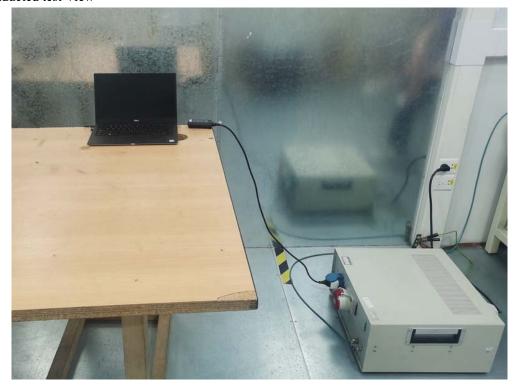
Report No.: TW2104356E

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11.0 Photo of testing

11.1 Conducted test View



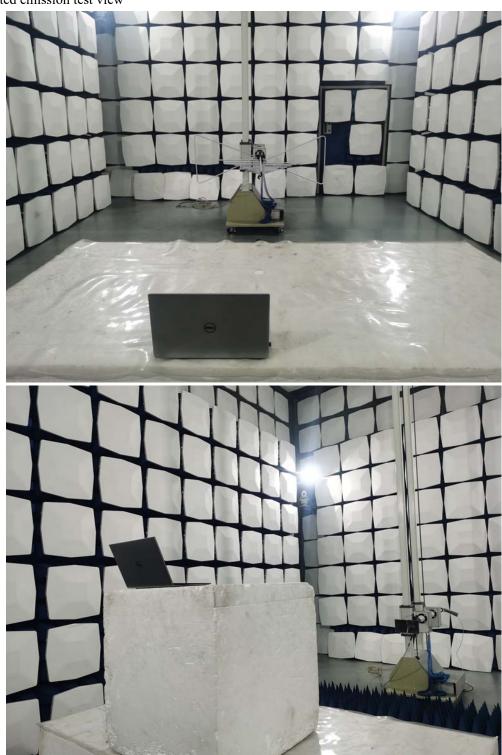
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Radiated emission test view



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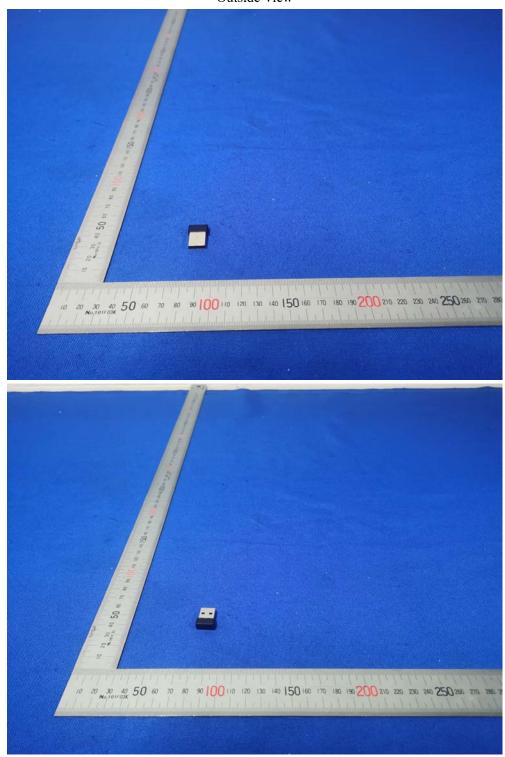
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11.2 Photographs-EUT

Outside View



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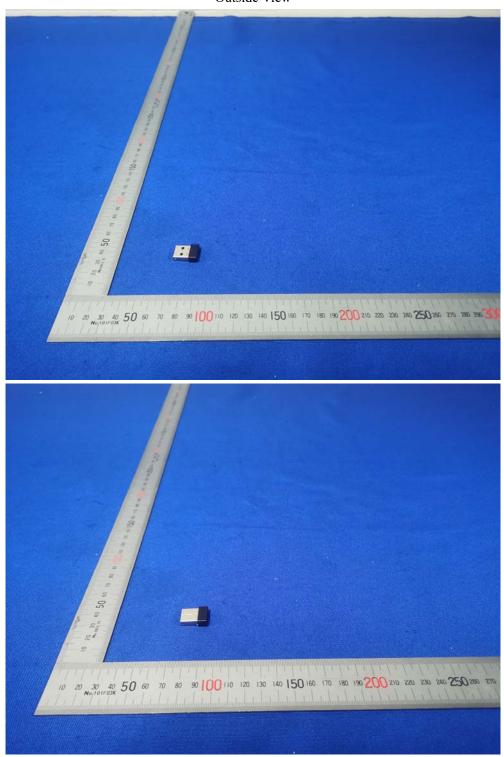
Report No.: TW2104356E

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Photographs – EUT

Outside View



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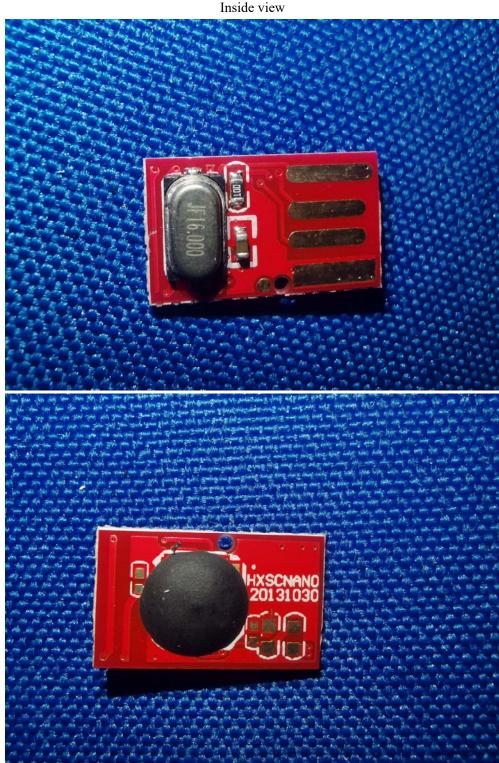
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-- End of the report--

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