

FCC Test Report

Report No.: AGC06323210406FE03

FCC ID : 2AAFMRDA0023
APPLICATION PURPOSE : Class II Equipment
PRODUCT DESIGNATION : Wireless USB dongle
BRAND NAME : CORSAIR, Scuf
MODEL NAME : RDA0023
APPLICANT : Corsair Memory, Inc.
DATE OF ISSUE : Apr. 27, 2021
STANDARD(S) : FCC Part 15 Rules
REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Apr. 27, 2021	Valid	Initial Release

Note:

The original test report Ref. No. SZEM190601530703 dated Jul. 16, 2019, was modified on Apr. 27, 2021 to include the following changes:

- Change the Product Designation;
- Change the Number of channels and change the frequency
- Change the Power supply
- Change the Hardware Version and Software Version
- Antenna Changed
- Add a Brand Name
- For the above described changes, all the EMC and RF tests were considered to be necessary.

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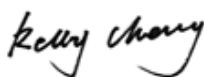
1. VERIFICATION OF COMPLIANCE

Applicant	Corsair Memory, Inc.
Address	47100 Bayside Pkwy, Fremont, CA 94538, USA
Manufacturer	Corsair Memory, Inc.
Address	47100 Bayside Pkwy, Fremont, CA 94538, USA
Factory1	Shenzhen Horn Audio Co., Ltd.
Address1	No.6, 4th Guihua Road, Pingshan District, Shenzhen, Guangdong, P.R. China
Factory2	HORN(VIET NAM)COMPANY LIMITED
Address2	N0.8 & 2 Standard Factory, Land Lot CN1, An Duong Industrial Zone, Hong Phong Commune, An Duong District, Hai Phong City, VietNam
Product Designation	Wireless USB dongle
Brand Name	CORSAIR, Scuf
Test Model	RDA0023
Date of test	Apr. 13, 2021 to Apr. 27, 2021
Deviation	No any deviation from the test method
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-US-BLE/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC part 15.249.

Prepared By



Kelly Cheng
(Project Engineer)

Apr. 27, 2021

Reviewed By



Max Zhang
(Reviewer)

Apr. 27, 2021

Approved By



Forrest Lei
(Authorized Officer)

Apr. 27, 2021

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2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

The EUT is designed as a “Wireless USB dongle”. It is designed by way of utilizing the FSK technology to achieve the system operation.

A major technical description of EUT is described as following

Operation Frequency	2402.21GHz to 2478.21GHz
Maximum field strength	Ant1: 99.03dBuV/m(peak)@3m Ant2: 98.69dBuV/m(peak)@3m
Modulation	FSK
Number of channels	77 Channel
Antenna Designation	Ceramic Antenna (Comply with requirements of the FCC part 15.203)
Antenna Gain	Ant1: 0.16dBi Ant2: 2.35dBi
Hardware Version	V1.5
Software Version	V5.5.102
Power Supply	DC 5V by USB

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2.2. TABLE OF CARRIER FREQUENCIES

Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
01	2402.21	28	2429.21	55	2456.21
02	2403.21	29	2430.21	56	2457.21
03	2404.21	30	2431.21	57	2458.21
04	2405.21	31	2432.21	58	2459.21
05	2406.21	32	2433.21	59	2460.21
06	2407.21	33	2434.21	60	2461.21
07	2408.21	34	2435.21	61	2462.21
08	2409.21	35	2436.21	62	2463.21
09	2410.21	36	2437.21	63	2464.21
10	2411.21	37	2438.21	64	2465.21
11	2412.21	38	2439.21	65	2466.21
12	2413.21	39	2440.21	66	2467.21
13	2414.21	40	2441.21	67	2468.21
14	2415.21	41	2442.21	68	2469.21
15	2416.21	42	2443.21	69	2470.21
16	2417.21	43	2444.21	70	2471.21
17	2418.21	44	2445.21	71	2472.21
18	2419.21	45	2446.21	72	2473.21
19	2420.21	46	2447.21	73	2474.21
20	2421.21	47	2448.21	74	2475.21
21	2422.21	48	2449.21	75	2476.21
22	2423.21	49	2450.21	76	2477.21
23	2424.21	50	2451.21	77	2478.21
24	2425.21	51	2452.21		
25	2426.21	52	2453.21		
26	2427.21	53	2454.21		
27	2428.21	54	2455.21		

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2.3. ANTENNA REQUIREMENT

This intentional radiator is designed with a permanently attached antenna of an antenna to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

For more information of the antenna, please refer to the APPENDIX B: PHOTOGRAPHS OF EUT.

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3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

- Uncertainty of Conducted Emission, $U_c = \pm 3.1$ dB
- Uncertainty of Radiated Emission below 1GHz, $U_c = \pm 4.0$ dB
- Uncertainty of Radiated Emission above 1GHz, $U_c = \pm 4.8$ dB
- Uncertainty of Occupied Channel Bandwidth: $U_c = \pm 2$ %

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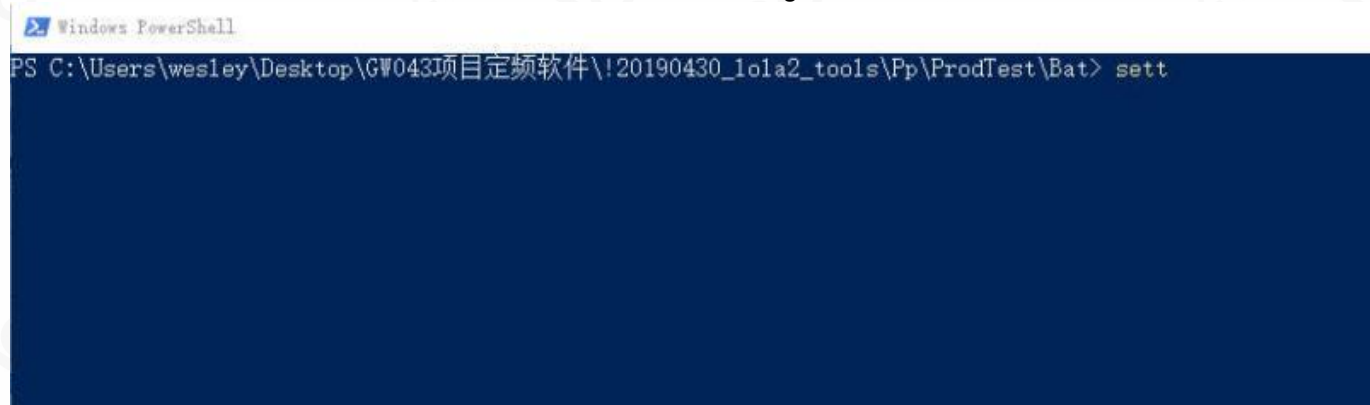
4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX(2402.21MHz)
2	Middle channel TX(2440.21MHz)
3	High channel TX(2478.21MHz)

Note:

1. Only the result of the worst case was recorded in the report, if no other cases.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
3. For Conducted Test method, a temporary antenna connector is provided by the manufacture.
4. The test software is the windows powershell which can transmit command into the individual test modes.

Software Setting



```
Windows PowerShell
PS C:\Users\wesley\Desktop\GW043项目定频软件\!20190430_101a2_tools\Ps\ProdTest\Bat> set
```

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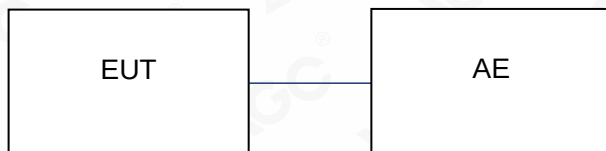
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5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF TESTED SYSTEM

Radiated Emission Configure:



5.2. EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	Wireless USB dongle	RDA0023	2AAFMRDA0023	EUT
2	PC	XIAOMI	N/A	AE
3	Adapter	N/A	N/A	AE

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.249&15.209	Radiated Emission	Compliant
§15.249	Band Edges	Compliant
§15.215	20dB bandwidth	Compliant
§15.207	Conducted Emission	Compliant

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6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Designation Number	CN1259
FCC Test Firm Registration Number	975832
A2LA Cert. No.	5054.02
Description	Attestation of Global Compliance (Shenzhen) Co., Ltd is accredited by A2LA

TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	May 15, 2020	May 14, 2021
LISN	R&S	ESH2-Z5	100086	Jul. 03, 2020	Jul. 02, 2021
Test software	R&S	ES-K1(Ver.V1.71)	N/A	N/A	N/A

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	May 15, 2020	May 14, 2021
EXA Signal Analyzer	Agilent	N9010A	MY53470504	Dec. 07, 2020	Dec. 06, 2021
2.4GHz Filter	EM Electronics	2400-2500MHz	N/A	Mar. 23, 2020	Mar. 22, 2022
Attenuator	ZHINAN	E-002	N/A	Sep. 09, 2019	Sep. 08, 2021
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep. 09, 2019	Sep. 08, 2021
Active loop antenna (9K-30MHz)	ZHINAN	ZN30900C	18051	May 22, 2020	May 21, 2022
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May 17, 2019	May 16, 2021
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Sep. 03, 2020	Sep. 02, 2022
ANTENNA	SCHWARZBECK	VULB9168	494	Jan. 08, 2020	Jan. 07, 2023
Test software	Tonscend	JS32-RE (Ver.2.5)	N/A	N/A	N/A

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7. RADIATED EMISSION

7.1 TEST LIMIT Standard FCC15.249

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
900-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

Standard FCC 15.209

Frequency (MHz)	Distance Meters	Field Strengths Limit	
		μ V/m	dB(μ V)/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(μ V)/m (Peak) 54.0 dB(μ V)/m (Average)	

Remark: (1) Emission level $\text{dB } \mu\text{V} = 20 \log \text{Emission level } \mu\text{V/m}$
(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.

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7.2. 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. For emissions above 1GHz, use minimum resolution bandwidth of 1 MHz. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. 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.

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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
Start ~Stop Frequency	1GHz~26.5GHz RBW 2.4MHz/ VBW 8MHz for Peak, RBW 2.4MHz/10Hz for Average

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

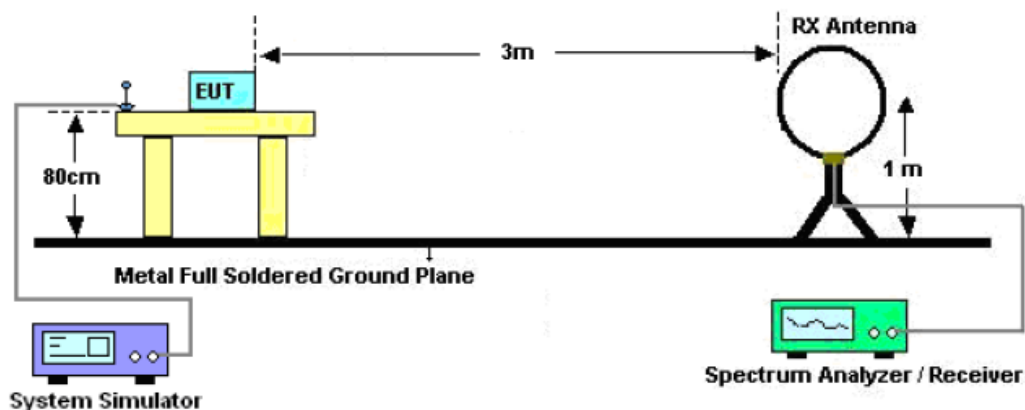
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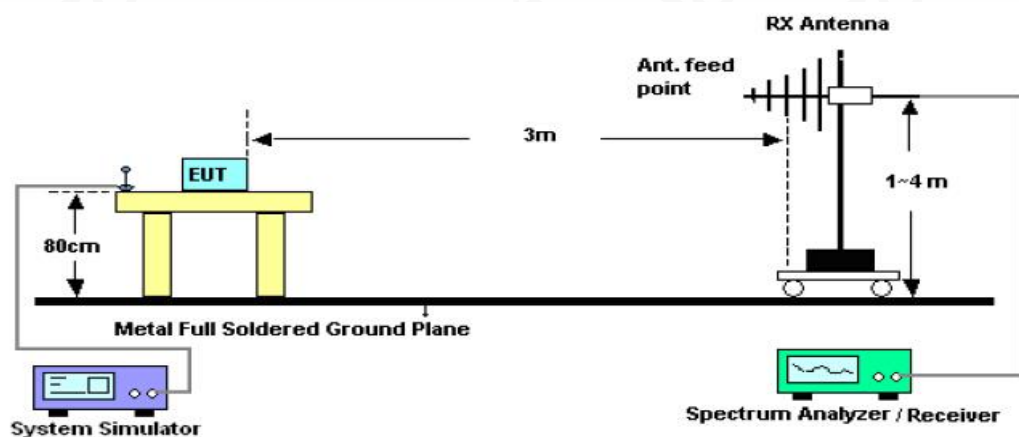


7.3. TEST SETUP

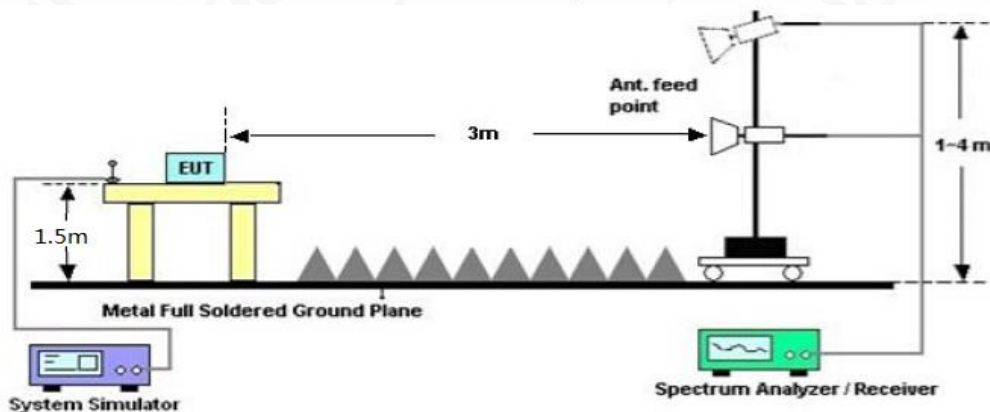
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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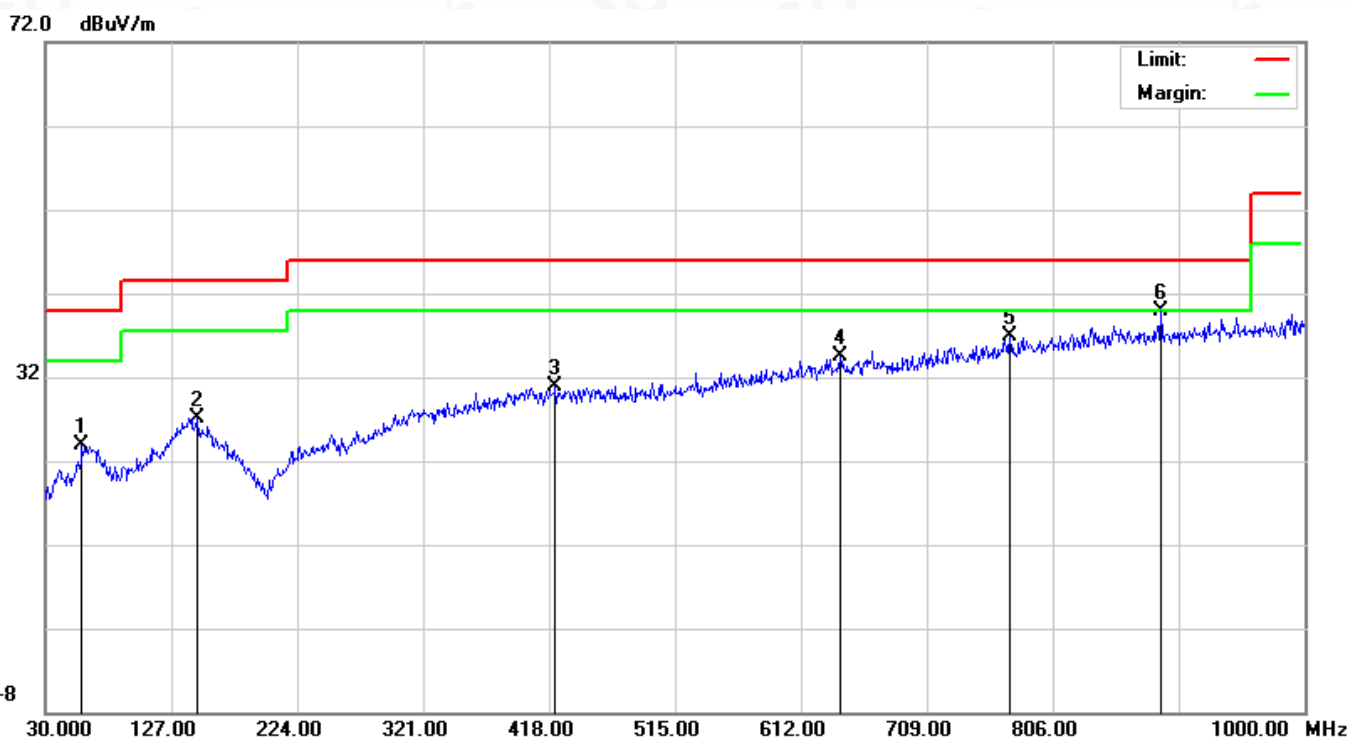


RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION BELOW 1GHZ

EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		58.1300	6.81	17.10	23.91	40.00	-16.09	peak
2		147.3700	6.68	20.48	27.16	43.50	-16.34	peak
3		422.8500	5.84	24.98	30.82	46.00	-15.18	peak
4		642.0700	7.00	27.45	34.45	46.00	-11.55	peak
5		773.0200	7.11	29.80	36.91	46.00	-9.09	peak
6	*	889.4200	8.32	31.56	39.88	46.00	-6.12	peak

RESULT: PASS

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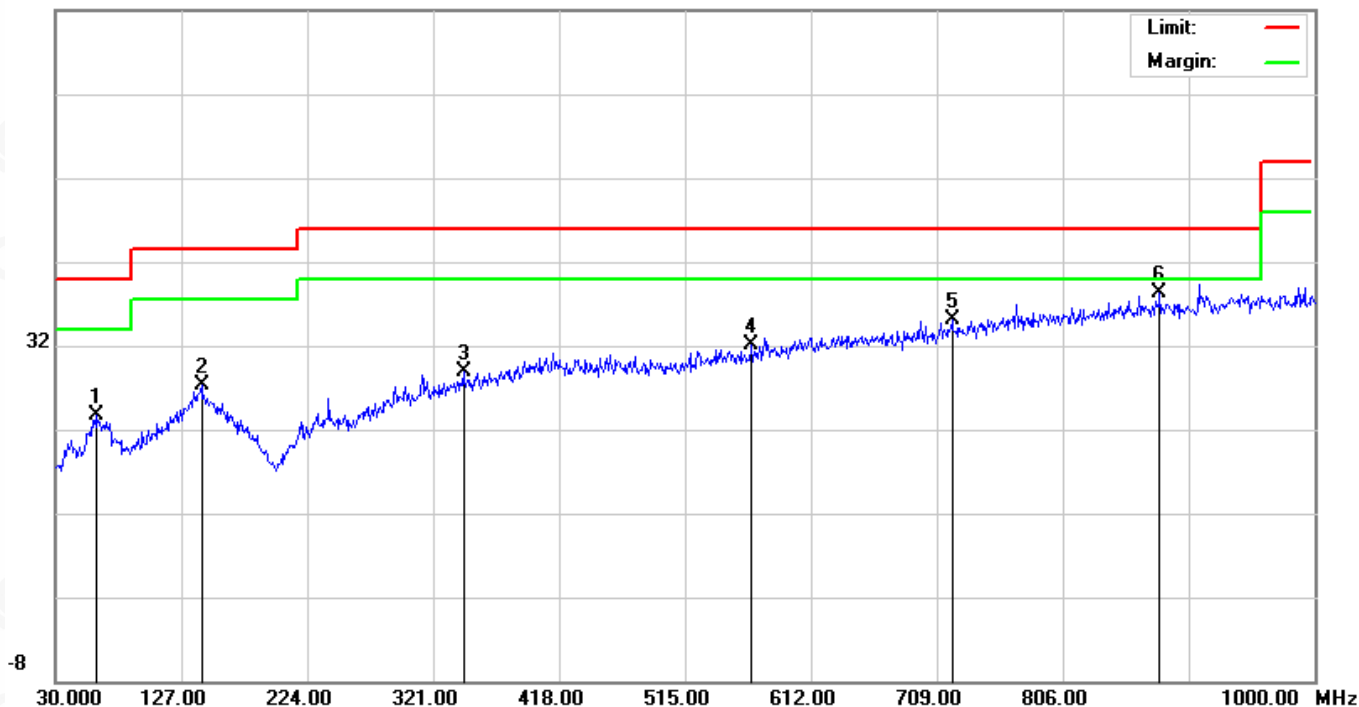
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EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

72.0 dBuV/m



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		61.0400	5.89	17.79	23.68	40.00	-16.32	peak
2		142.5200	6.36	20.97	27.33	43.50	-16.17	peak
3		344.2800	5.85	23.02	28.87	46.00	-17.13	peak
4		566.4099	5.78	26.29	32.07	46.00	-13.93	peak
5		720.6400	6.43	28.62	35.05	46.00	-10.95	peak
6	*	880.6900	6.80	31.45	38.25	46.00	-7.75	peak

RESULT: PASS

Note:

- Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.
- All test modes had been tested. The mode 1 is the worst case and recorded in the report.

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ANTENNA 1

FIELD STRENGTH OF FUNDAMENTAL

EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	DC 5V
Test Modulation	FSK	Polarization	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2402.210	108.44	-9.61	98.83	114.00	-15.17	peak
2402.210	100.15	-9.61	90.54	94.00	-3.46	AVG
2440.210	103.74	-9.61	94.13	114.00	-19.87	peak
2440.210	98.85	-9.61	89.24	94.00	-4.76	AVG
2478.210	108.64	-9.61	99.03	114.00	-14.97	peak
2478.210	98.87	-9.61	89.26	94.00	-4.74	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Wireless USB dongle	Model Name	KA20IC
Temperature	20 °C	Relative Humidity	48%
Pressure	960hPa	Test Voltage	DC 5V
Test Modulation	FSK	Polarization	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2402.210	106.44	-9.61	96.83	114.00	-17.17	peak
2402.210	100.10	-9.61	90.49	94.00	-3.51	AVG
2440.210	103.12	-9.61	93.51	114.00	-20.49	peak
2440.210	98.95	-9.61	89.34	94.00	-4.66	AVG
2478.210	106.66	-9.61	97.05	114.00	-16.96	peak
2478.210	100.56	-9.61	90.95	94.00	-3.05	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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ANTENNA 2

FIELD STRENGTH OF FUNDAMENTAL

EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	DC 5V
Test Modulation	FSK	Polarization	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2402.210	108.24	-9.61	98.63	114.00	-15.37	peak
2402.210	99.91	-9.61	90.30	94.00	-3.70	AVG
2440.210	102.23	-9.61	92.62	114.00	-21.38	peak
2440.210	99.88	-9.61	90.27	94.00	-3.73	AVG
2478.210	108.30	-9.61	98.69	114.00	-15.32	peak
2478.210	100.14	-9.61	90.53	94.00	-3.47	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Wireless USB dongle	Model Name	KA20IC
Temperature	20 °C	Relative Humidity	48%
Pressure	960hPa	Test Voltage	DC 5V
Test Modulation	FSK	Polarization	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
2402.210	106.24	-9.61	96.63	114.00	-17.38	peak
2402.210	100.30	-9.61	90.69	94.00	-3.31	AVG
2440.210	99.23	-9.61	89.62	114.00	-24.38	peak
2440.210	100.34	-9.61	90.73	94.00	-3.27	AVG
2478.210	106.29	-9.61	96.68	114.00	-17.32	peak
2478.210	100.32	-9.61	90.71	94.00	-3.29	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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RADIATED EMISSION ABOVE 1GHZ

EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4804.420	56.97	0.08	57.05	74	-16.95	peak
4804.420	48.15	0.08	48.23	54	-5.77	AVG
7206.630	52.44	2.21	54.65	74	-19.35	peak
7206.630	41.56	2.21	43.77	54	-10.23	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4804.420	56.35	0.08	56.43	74	-17.57	peak
4804.420	48.29	0.08	48.37	54	-5.63	AVG
7206.630	51.83	2.21	54.04	74	-19.96	peak
7206.630	42.64	2.21	44.85	54	-9.15	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4880.420	56.87	0.14	57.01	74	-16.99	peak
4880.420	45.83	0.14	45.97	54	-8.03	AVG
7320.630	51.39	2.36	53.75	74	-20.25	peak
7320.630	41.31	2.36	43.67	54	-10.33	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
4880.420	54.33	0.14	54.47	74	-19.53	peak
4880.420	46.25	0.14	46.39	54	-7.61	AVG
7320.630	50.98	2.36	53.34	74	-20.66	peak
7320.630	41.39	2.36	43.75	54	-10.25	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

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EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4956.420	56.35	0.22	56.57	74	-17.43	peak
4956.420	45.17	0.22	45.39	54	-8.61	AVG
7434.630	51.84	2.64	54.48	74	-19.52	peak
7434.630	40.92	2.64	43.56	54	-10.44	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4956.420	58.16	0.22	58.38	74	-15.62	peak
4956.420	49.14	0.22	49.36	54	-4.64	AVG
7434.630	53.85	2.64	56.49	74	-17.51	peak
7434.630	41.57	2.64	44.21	54	-9.79	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RESULT: PASS

Note:

The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

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

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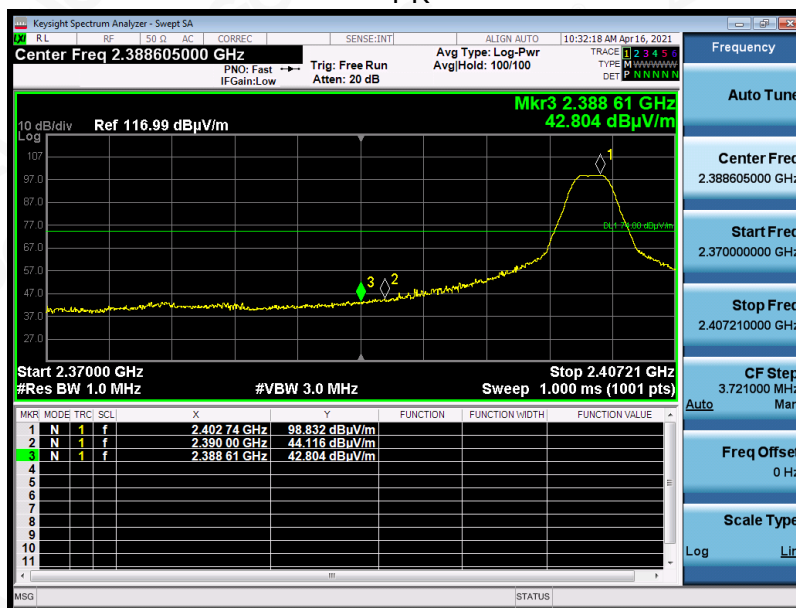


TEST RESULT FOR RESTRICTED BANDS REQUIREMENTS

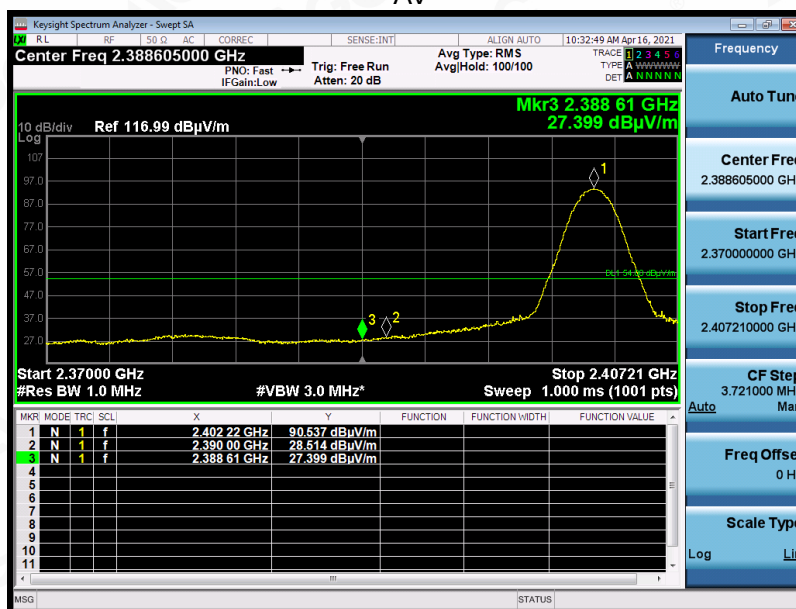
ANTENNA 1

EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

PK



AV



RESULT: PASS

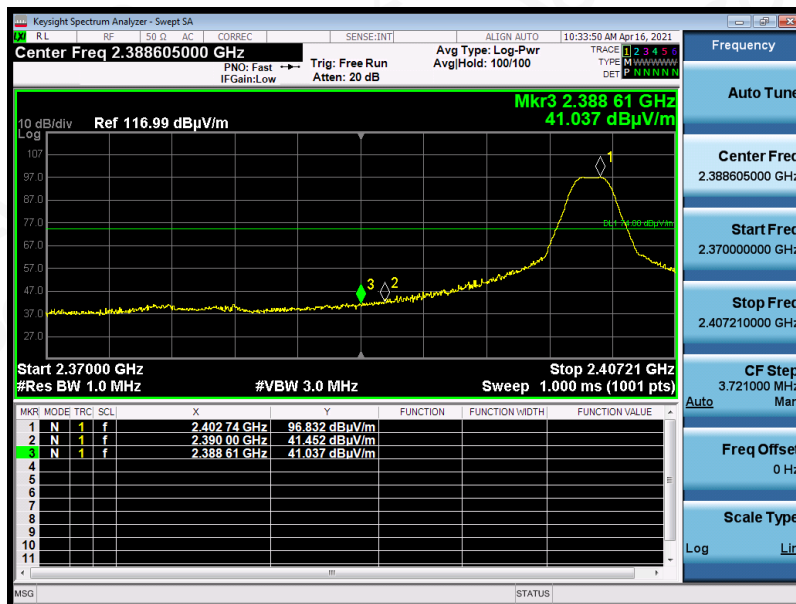
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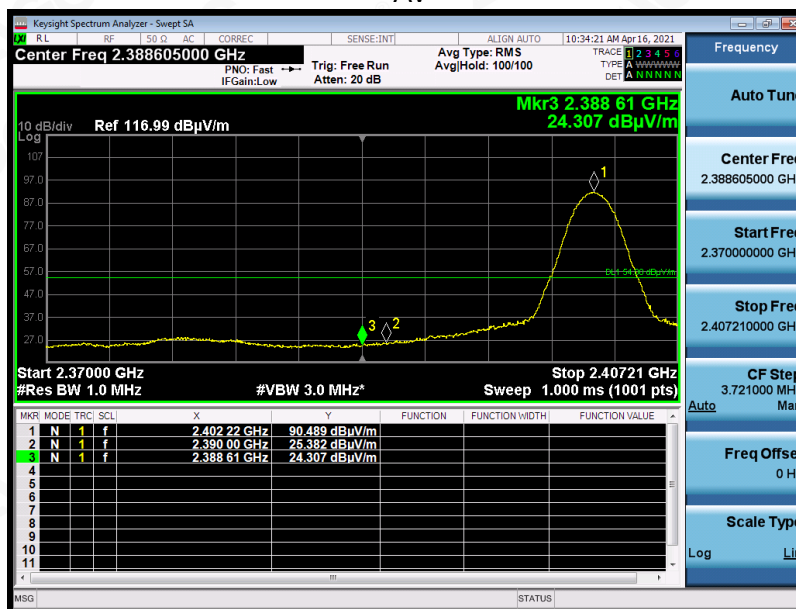


EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

PK



AV



RESULT: PASS

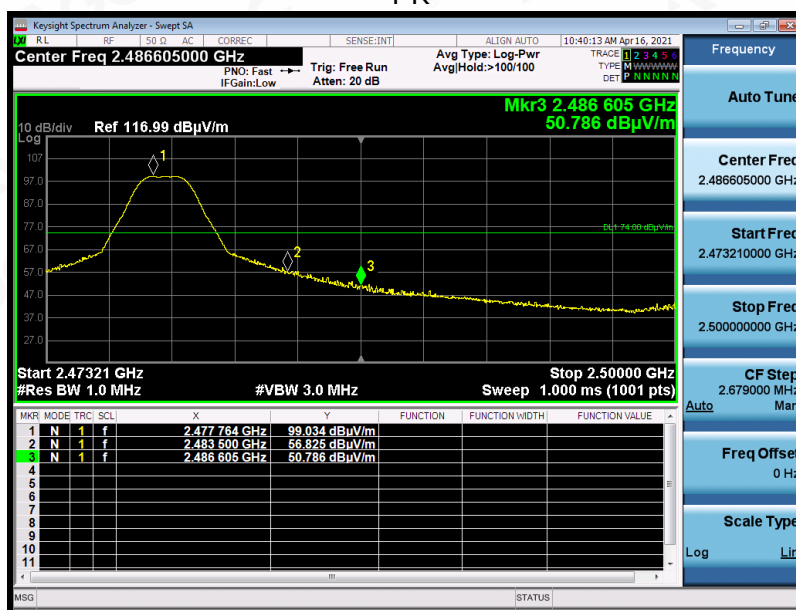
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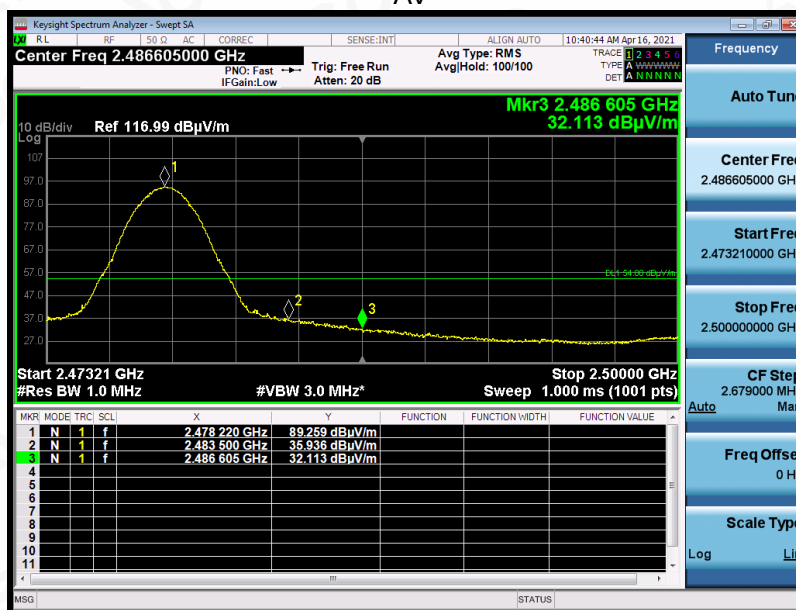


EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

PK



AV



RESULT: PASS

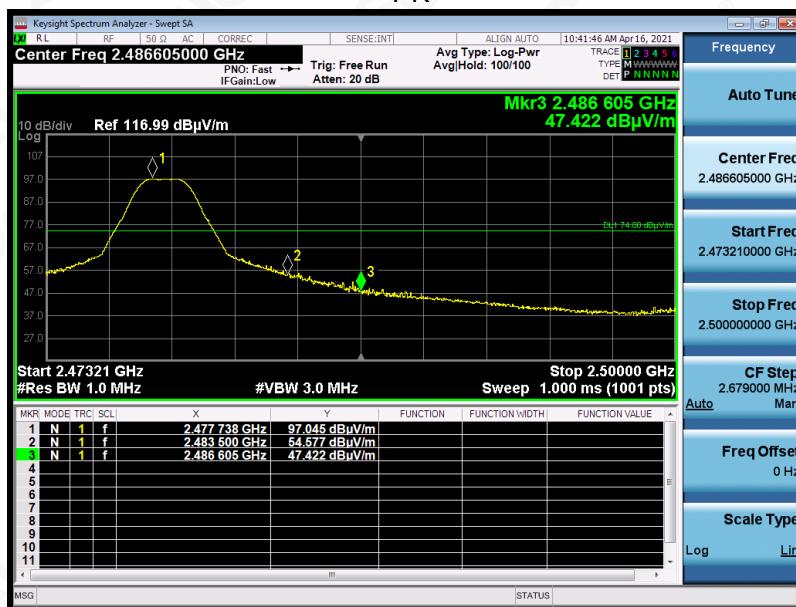
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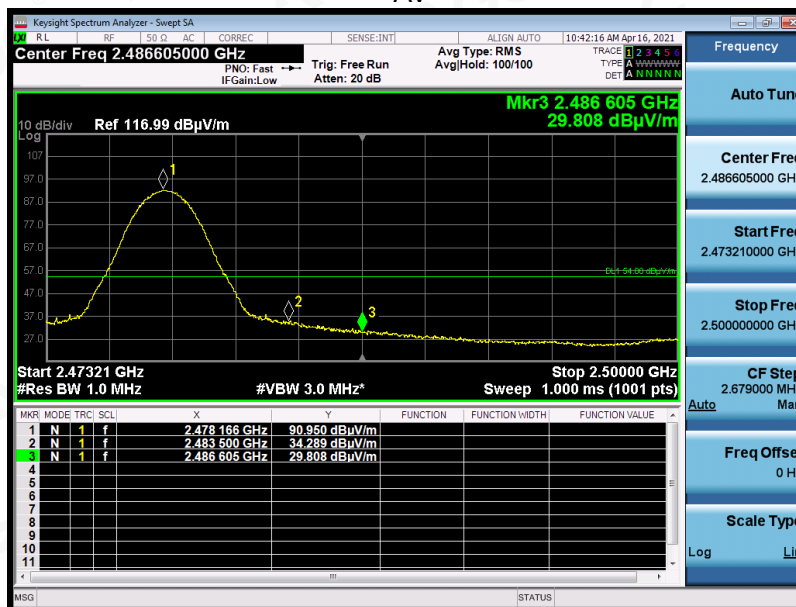


EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

PK



AV



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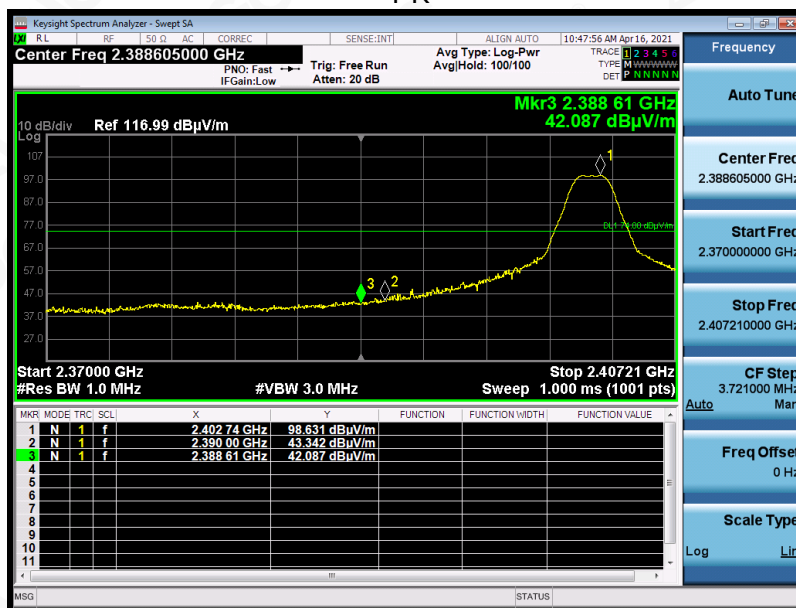


TEST RESULT FOR RESTRICTED BANDS REQUIREMENTS

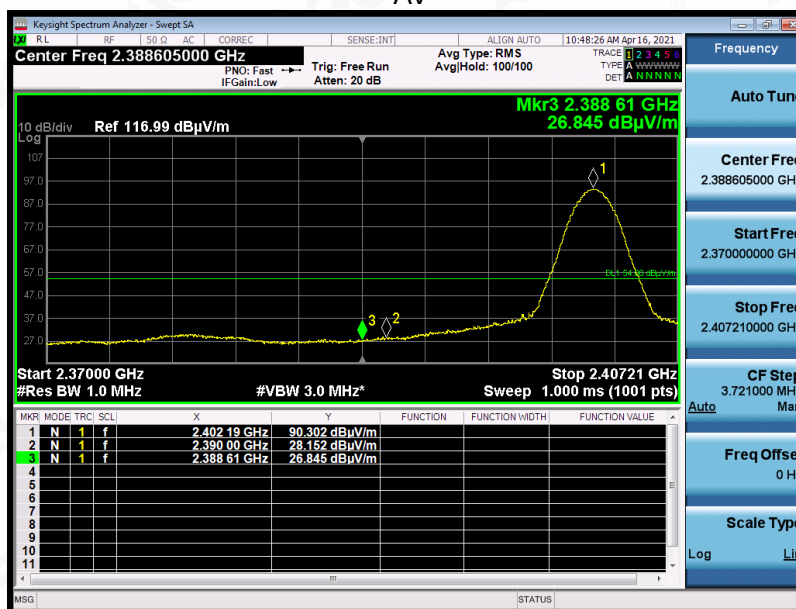
ANTENNA 2

EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

PK



AV



RESULT: PASS

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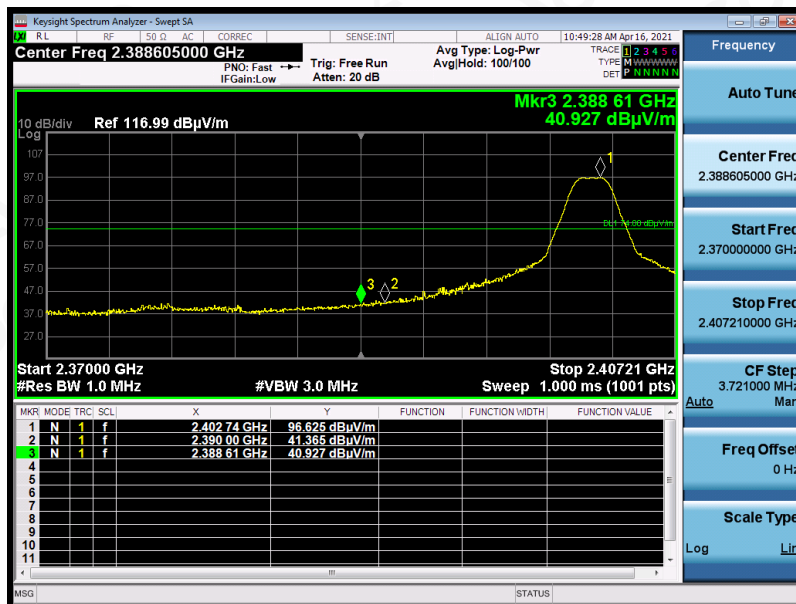
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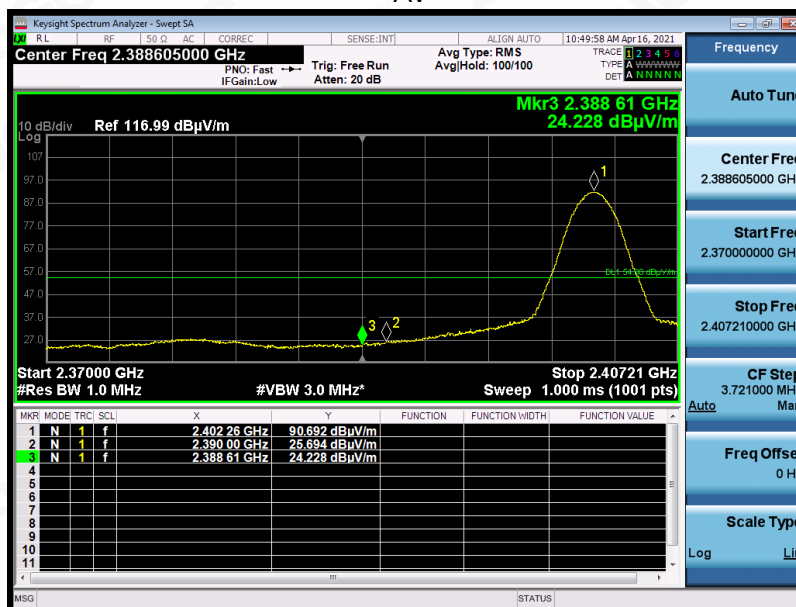


EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

PK



AV



RESULT: PASS

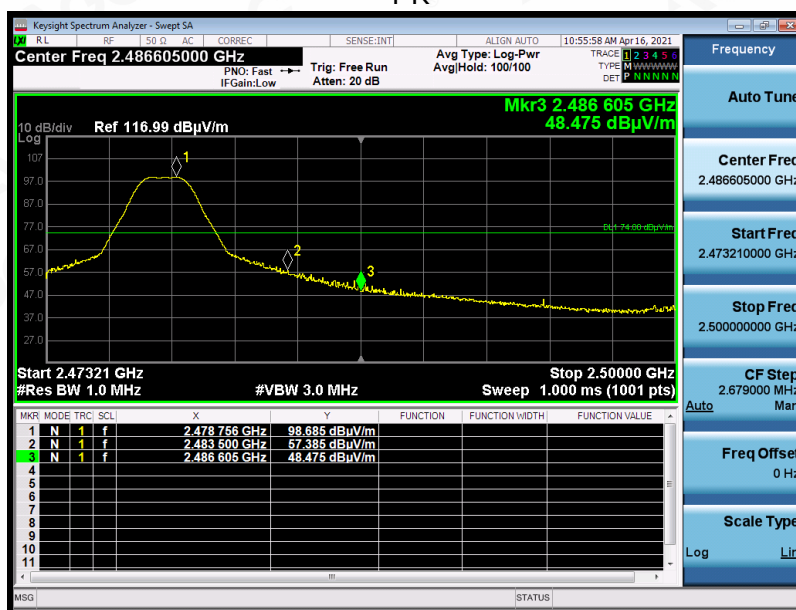
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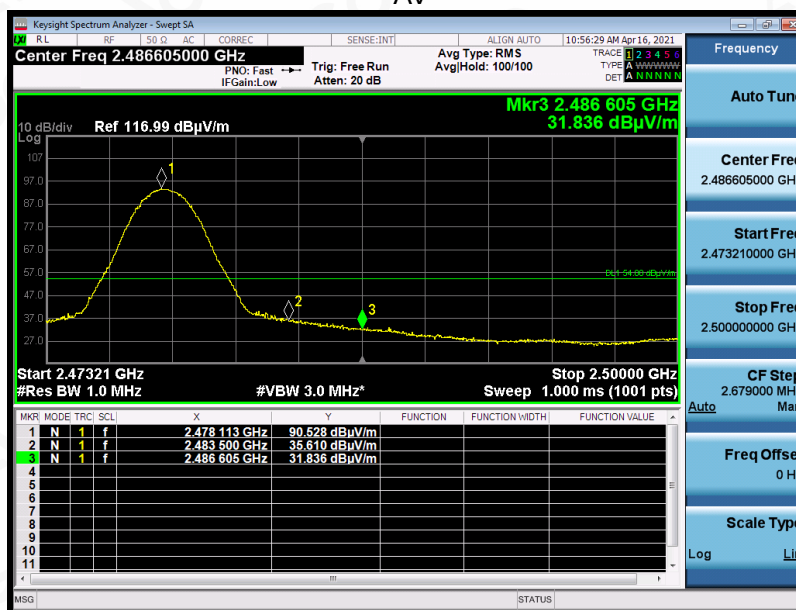


EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

PK



AV



RESULT: PASS

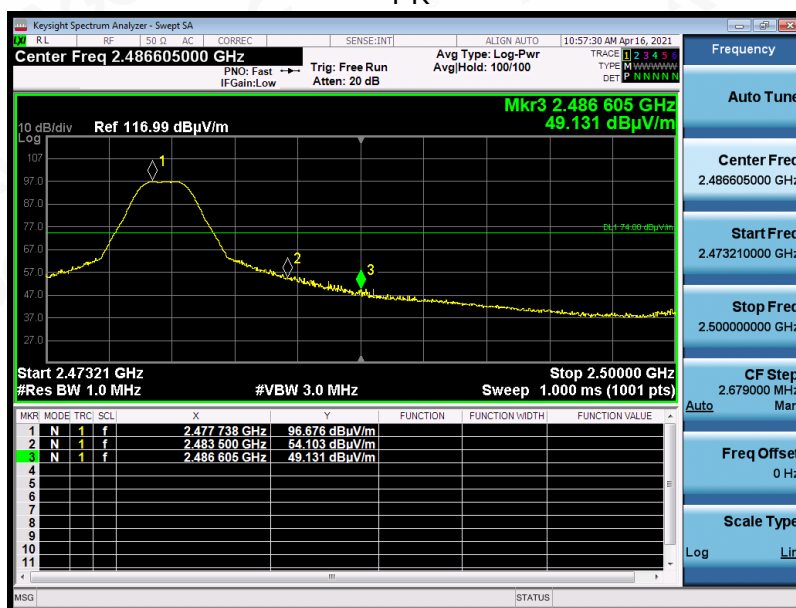
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

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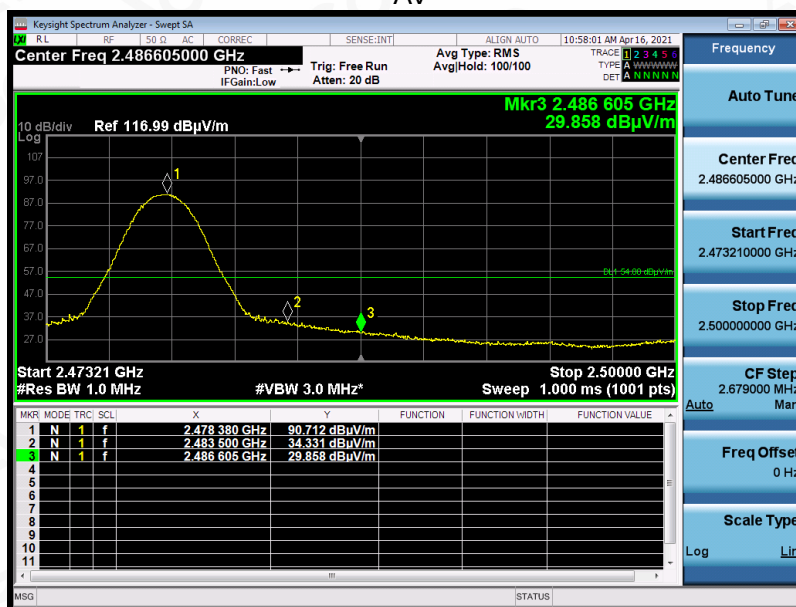


EUT	Wireless USB dongle	Model Name	RDA0023
Temperature	21.8° C	Relative Humidity	58%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

PK



AV



RESULT: PASS

Note: The factor had been edited in the “Input Correction” of the Spectrum Analyzer.

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