



RF MEASUREMENT REPORT

FCC ID: 2ALS8-OP0003

Applicant: Ninebot (Changzhou) Tech Co., Ltd.

Product: Segway USB Receiver

Model No.: R1234

Brand Name: Segway

FCC Classification: Part 15 Low Power Communication Device Transmitter (DXX)

FCC Rule Part(s): Part 15.249

Test Procedure(s): ANSI C63.10 - 2013

Result: Complies

Received Date: 2023-06-27

Test Date: 2023-09-25 ~ 2023-10-12

Reviewed By:

 Vincent Yu

Approved By:

 Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2013. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2306RSU049-U2	V01	Initial Report	2023-10-26	Valid

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1.4. Product Information

Product Name	Segway USB Receiver
Model No.	R1234
EUT Identification No.	20230731Sample#09
SRD Specification	2402 ~ 2480MHz
Antenna Information	Refer to section 1.5
Operating Temperature	-10°C ~ +50°C
Working Voltage	5V DC
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification

Frequency Range	2402 ~ 2480MHz
Channel Number	79
Type of modulation	GFSK
Antenna Type	Onboard PCB Antenna
Antenna Gain	2.88 dBi

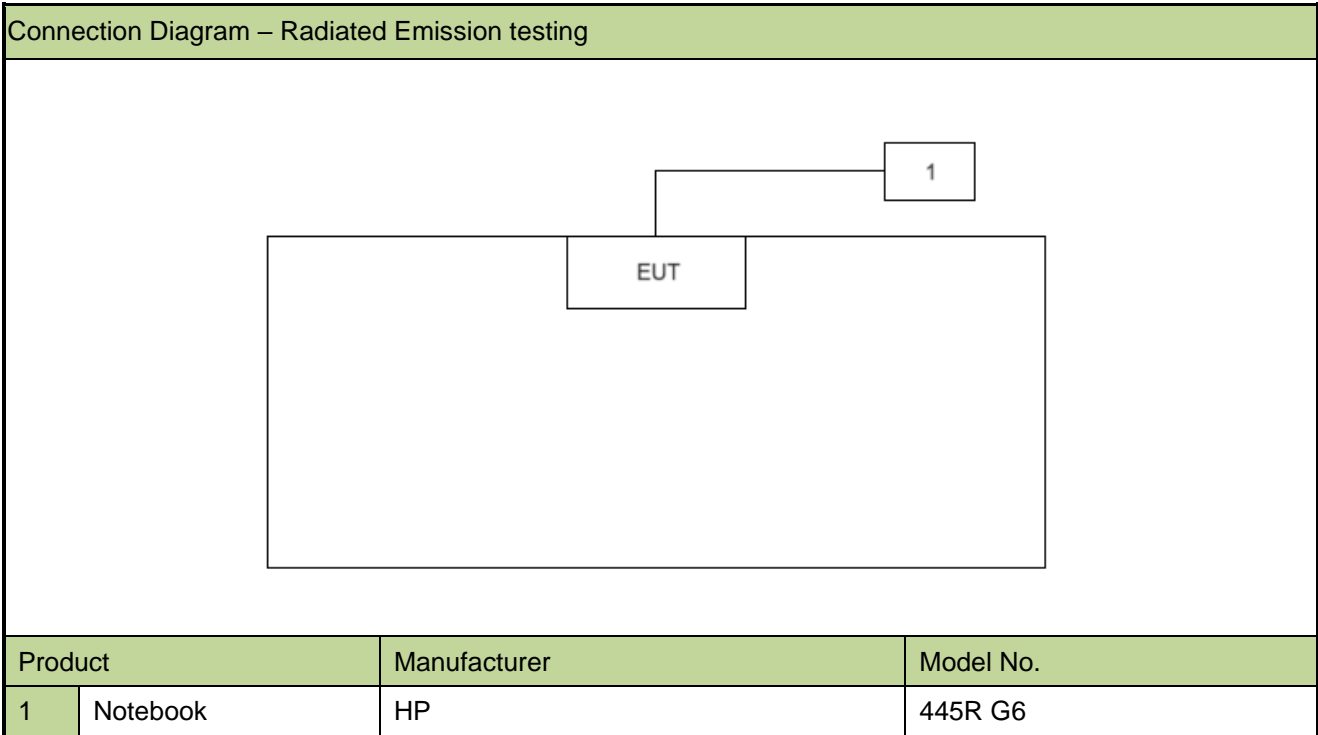
1.6. Working Frequencies

Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2402 MHz	02	2403 MHz	03	2404 MHz
04	2405 MHz	05	2406 MHz	06	2407 MHz
07	2408 MHz	08	2409 MHz	09	2410 MHz
10	2411 MHz	11	2412 MHz	12	2413 MHz
13	2414 MHz	14	2415 MHz	15	2416 MHz
16	2417 MHz	17	2418 MHz	18	2419 MHz
19	2420 MHz	20	2421 MHz	21	2422 MHz
22	2423 MHz	23	2424 MHz	24	2425 MHz
25	2426 MHz	26	2427 MHz	27	2428 MHz
28	2429 MHz	29	2430 MHz	30	2431 MHz
31	2432 MHz	32	2433 MHz	33	2434 MHz
34	2435 MHz	35	2436 MHz	36	2437 MHz
37	2438 MHz	38	2439 MHz	39	2440 MHz
40	2441 MHz	41	2442 MHz	42	2443 MHz
43	2444 MHz	44	2445 MHz	45	2446 MHz
46	2447 MHz	47	2448 MHz	48	2449 MHz
49	2450 MHz	50	2451 MHz	51	2452 MHz
52	2453 MHz	53	2454 MHz	54	2455 MHz
55	2456 MHz	56	2457 MHz	57	2458 MHz
58	2459 MHz	59	2460 MHz	60	2461 MHz
61	2462 MHz	62	2463 MHz	63	2464 MHz
64	2465 MHz	65	2466 MHz	66	2467 MHz
67	2468 MHz	68	2469 MHz	69	2470 MHz
70	2471 MHz	71	2472 MHz	72	2473 MHz
73	2474 MHz	74	2475 MHz	75	2476 MHz
76	2477 MHz	77	2478 MHz	78	2479 MHz
79	2480 MHz	--	--	--	--

2. Test Configuration

2.1. Test System Connection Diagram

This device was tested per the guidance ANSI C63.10:2013 was used to reference the appropriate EUT setup for radiated emissions testing.



2.2. Test Software

The test utility software used during testing was “fcc_test_tool.exe”, and the version was “v2.2”.

2.3. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.249
- ANSI C63.10-2013

2.4. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can 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.”

- The antenna of the device is **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

This unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06598	1 year	2023-11-05	SIP-AC2
Preamplifier	EMCI	EMC051845SE	MRTSUE06601	1 year	2023-11-22	SIP-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE06602	1 year	2023-10-10	SIP-AC2
				1 year	2024-10-09	SIP-AC2
Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2023-11-07	SIP-AC2
EMI Test Receiver	R&S	ESR3	MRTSUE06613	1 year	2024-05-23	SIP-AC2
Thermohygrometer	testo	608-H1	MRTSUE06622	1 year	2023-11-27	SIP-AC2
Thermohygrometer	testo	608-H1	MRTSUE06624	1 year	2023-11-27	SIP-AC2
Preamplifier	EMCI	EMC001330	MRTSUE06643	1 year	2024-01-12	SIP-AC2
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06647	1 year	2024-06-17	SIP-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06648	1 year	2023-10-22	SIP-AC2
Anechoic Chamber	RIKEN	SIP-AC2	MRTSUE06781	1 year	2023-12-22	SIP-AC2
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2024-02-26	SIP-AC2

Software	Version	Function
EMI V3	V 3.0.0	EMI Test Software
Controller_MF 7802BS	1.02	RE Antenna & turntable

5. Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement	
The maximum measurement uncertainty is evaluated as:	
9kHz~150kHz:	3.58dB
150kHz~30MHz:	3.20dB
Radiated Emission	
The maximum measurement uncertainty is evaluated as:	
Coaxial:	9kHz~30MHz: 2.59dB
Coplanar:	9kHz~30MHz: 2.60dB
Horizontal:	30MHz~200MHz: 3.85dB
	200MHz~1GHz: 4.36dB
	1GHz~40GHz: 4.98dB
Vertical:	30MHz~200MHz: 4.06dB
	200MHz~1GHz: 5.28dB
	1GHz~40GHz: 4.91dB
Occupied Bandwidth Measurement	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	
3.2%	

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.215(c)	20dB Bandwidth	Radiated	Pass
15.249; 15.209	Radiated Emission		Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	N/A

Notes:

1. The radiation measurements are performed in X, Y, Z axis positioning. The test results shown in the following sections represent the worst-case emissions.
2. The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
3. "N/A" means that this item is not applicable, and the detail information refer to relevant section.

6.2. 20dB Bandwidth Measurement

6.2.1. Test Limit

20 dB bandwidth of the emission is contained within the 2400 ~ 2483.5MHz.

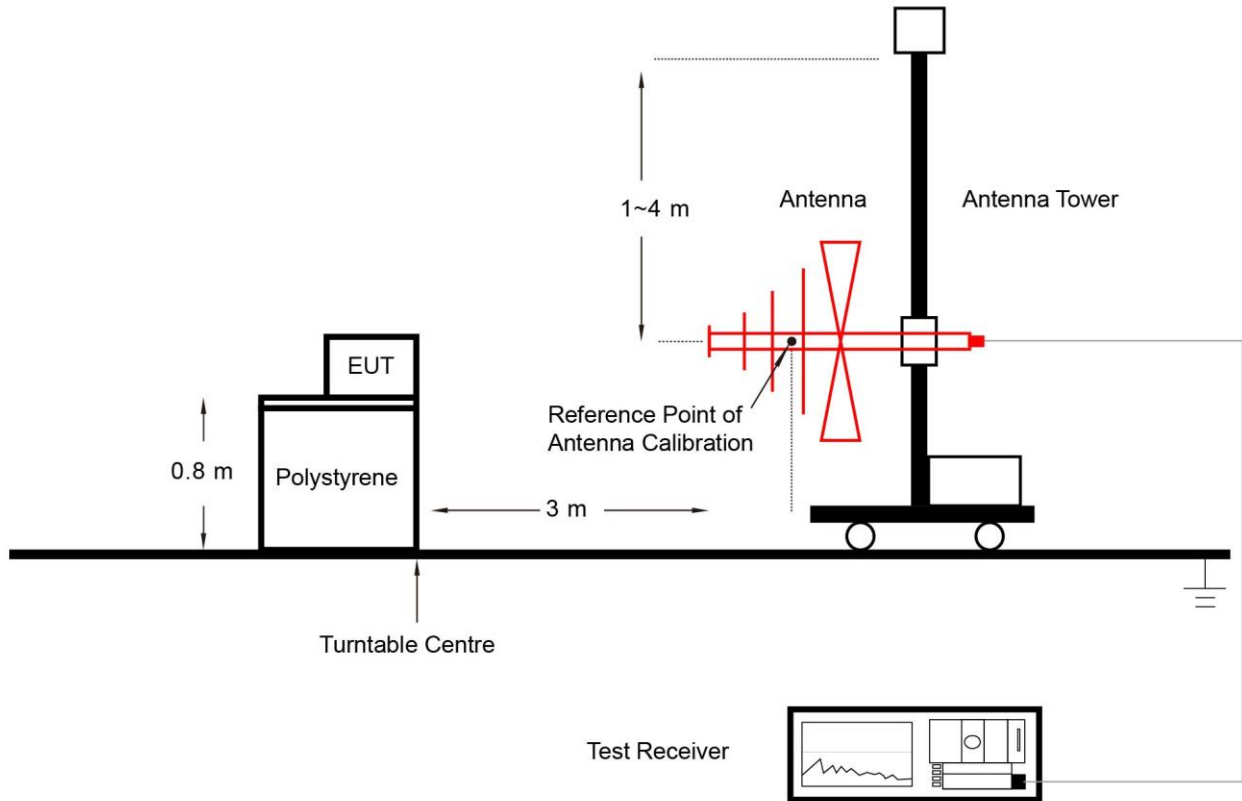
6.2.2. Test Procedure

ANSI C63.10 - 2013 - Section 6.9.2

6.2.3. Test Setting

1. The Spectrum's automatic bandwidth measurement capability was used to perform the 20dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 20$
2. Set RBW = 1% to 5% of the OBW
3. VBW = Approximately three times RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize

6.2.4. Test Setup



6.2.5. Test Result

Refer to Appendix A.1.

6.3. Radiated Emission Measurement

6.3.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.249		
Fundamental Frequency (MHz)	Field Strength of Fundamental (mV/m)	Field Strength of Harmonics (μ V/m)
902 ~ 908	50	500
2400 ~ 2483.5	50	500
5725 ~ 5875	50	500
24000 ~ 24250	250	2500

Note: FCC Part 15.249 (d), Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [μ V/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.3.2. Test Procedure

ANSI C63.10 - 2013 - Section 6.3 (General Requirements)

ANSI C63.10 - 2013 - Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - 2013 - Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - 2013 - Section 6.6 (Standard test method above 1GHz)

6.3.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000MHz	1MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

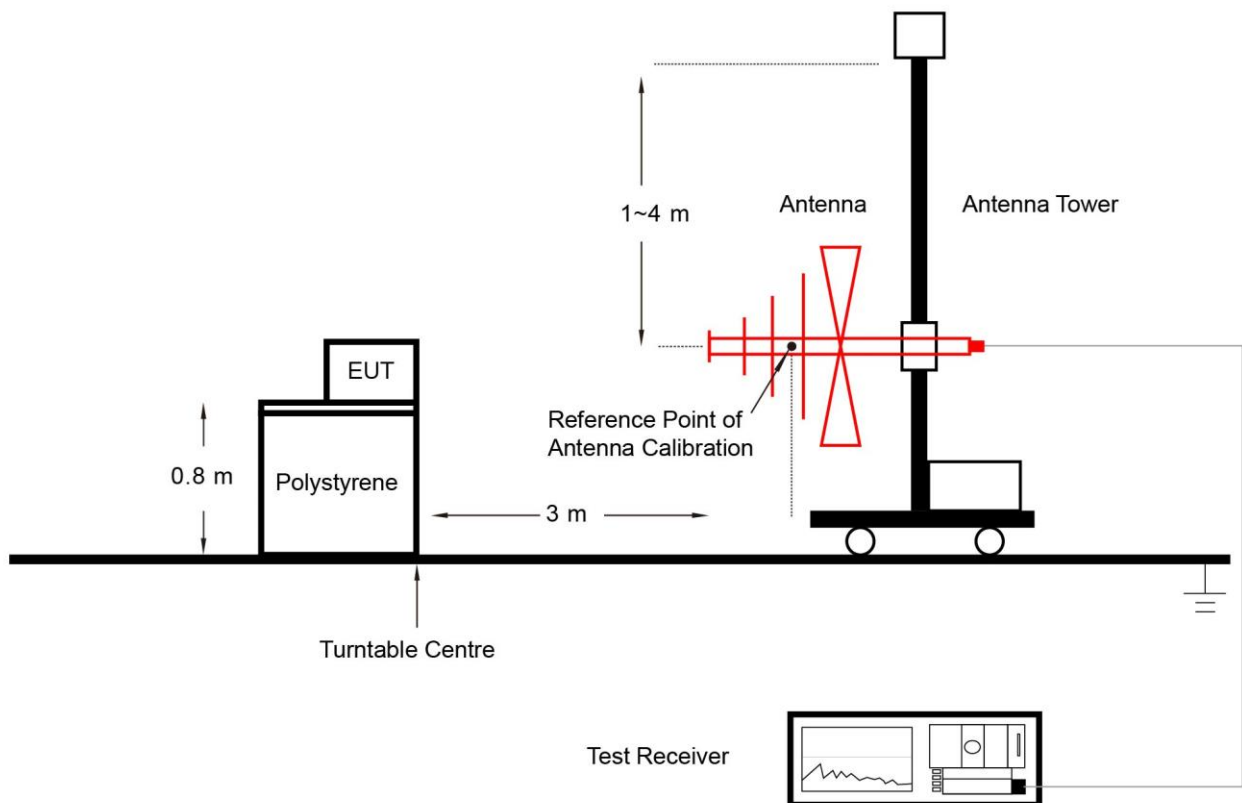
1. Analyzer center frequency was set to the frequency of the radiated emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.

If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.

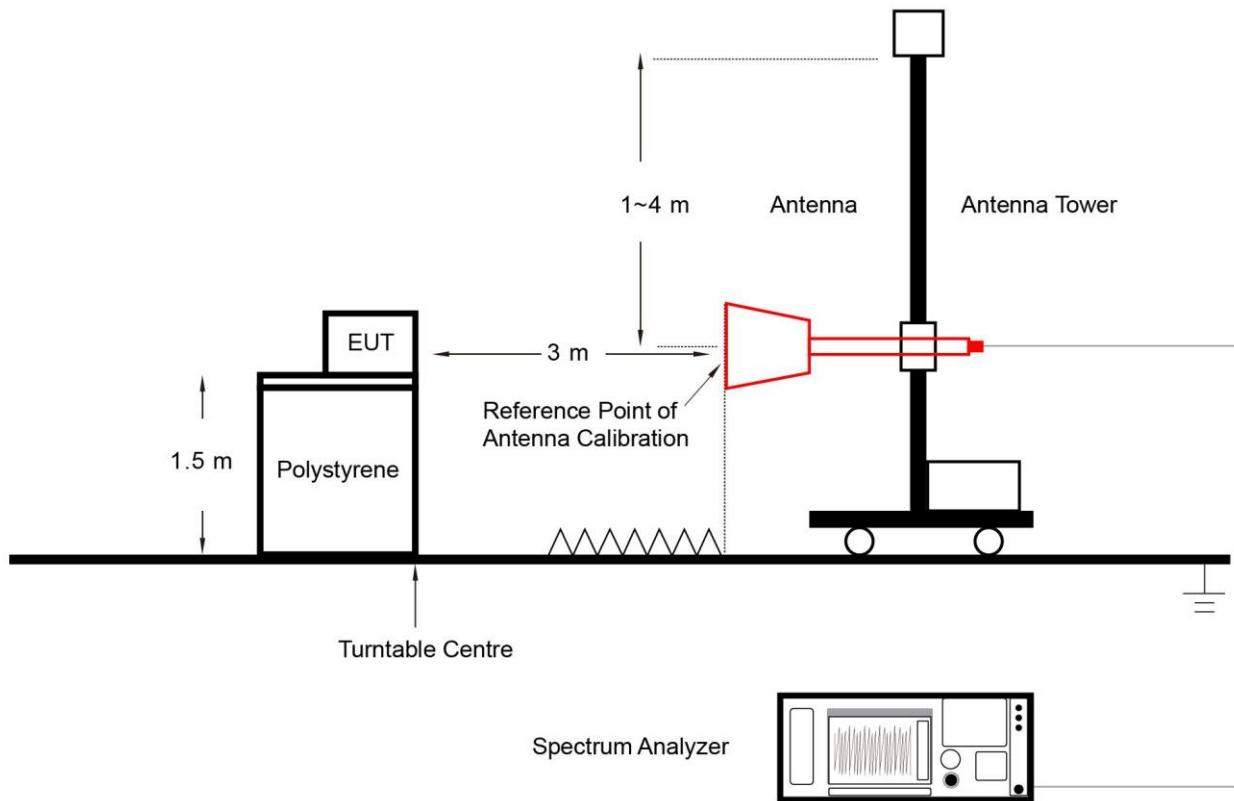
- 4. Detector = Peak
- 5. Sweep time = auto
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

6.3.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.3.5. Test Result

Refer to Appendix A.2.

6.4. AC Conducted Emissions Measurement

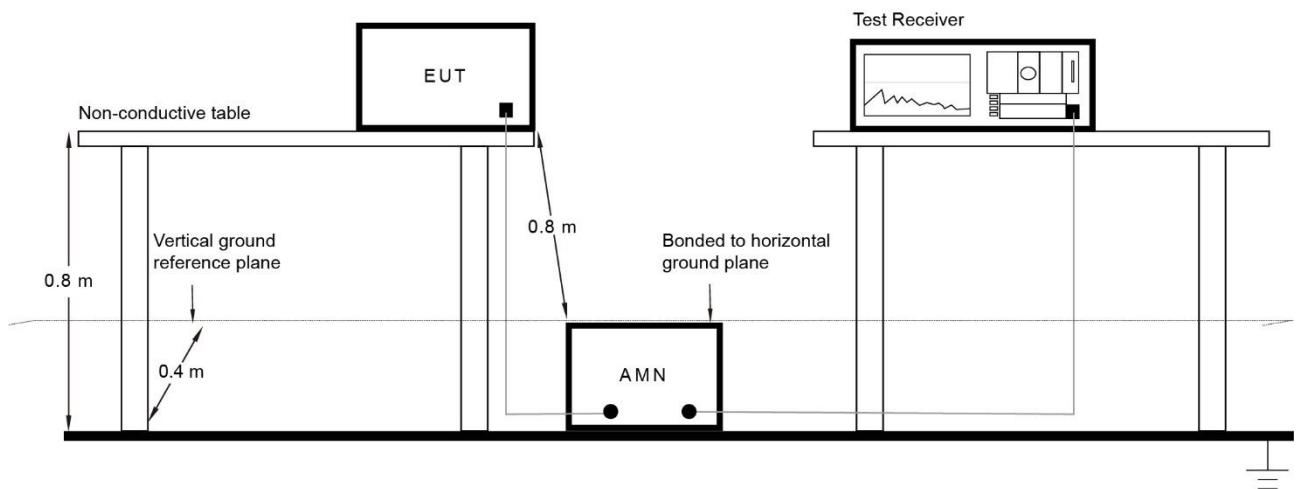
6.4.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	Quasi-peak (dB μ V)	Average (dB μ V)
0.15 ~ 0.50	66 ~ 56	56 ~ 46
0.50 ~ 5.0	56	46
5.0 ~ 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.4.2. Test Setup



6.4.3. Test Result

The EUT is powered by battery, so this item is not applicable.

Appendix A - Test Result

A.1 20dB Bandwidth Test Result

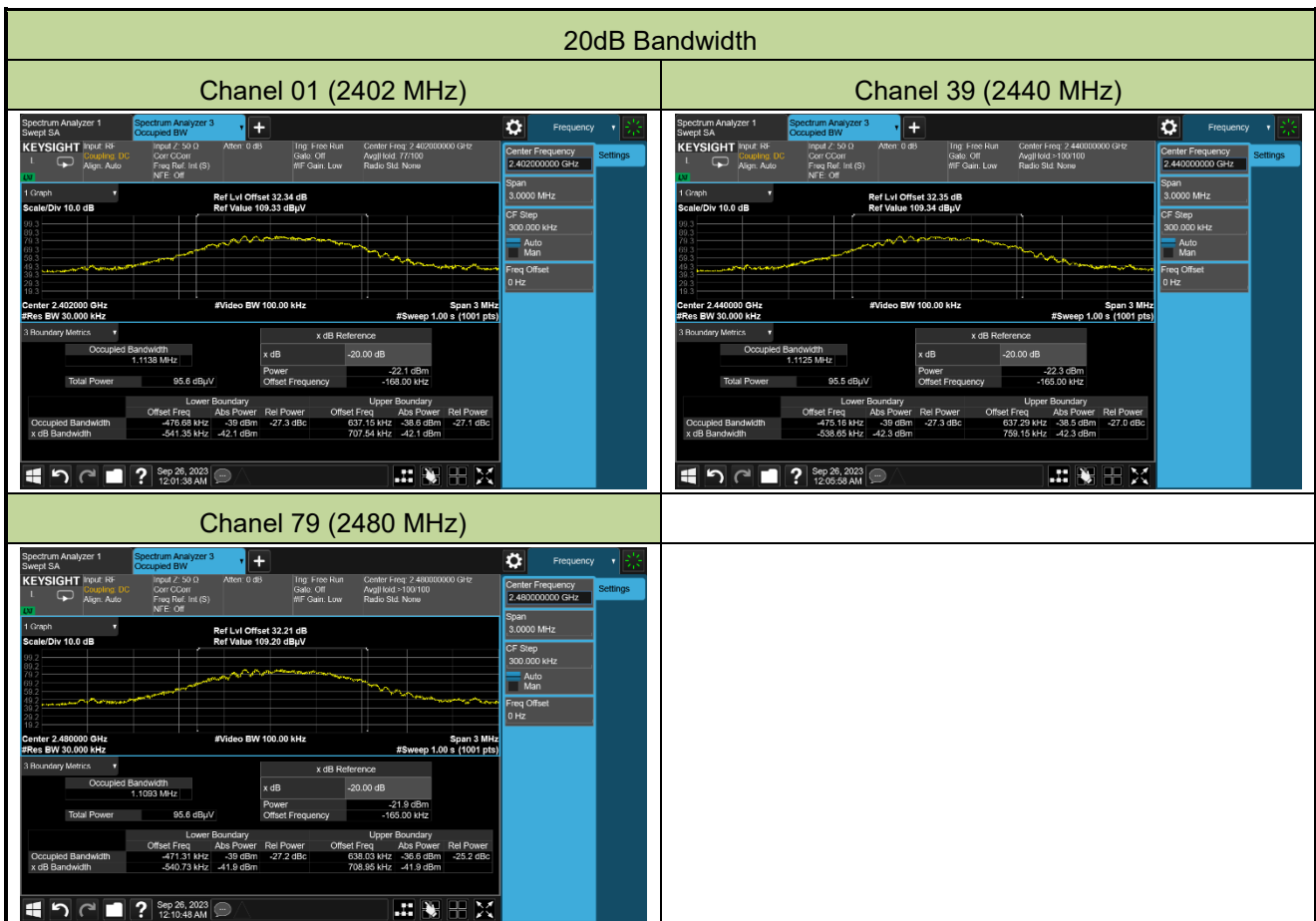
Test Site	SIP-AC2	Test Engineer	Arvin Ding
Test Date	2023-09-26		

Frequency (MHz)	20dB Bandwidth (MHz)	F _L (MHz)	F _H (MHz)	Result
2402	1.24889	2401.45865	2402.70754	Pass
2440	1.29780	2439.46135	2440.75915	Pass
2480	1.24968	2479.45937	2480.70895	Pass

Note: F_L = Center Frequency (MHz) + Lower Boundary Offset Frequency (MHz)

F_H = Center Frequency (MHz) + Upper Boundary Offset Frequency (MHz)

20dB Bandwidth (MHz) = $F_H - F_L$



A.2 Radiated Emission Test Result

Test Site	SIP-AC2	Test Engineer	Arvin Ding
Test Date	2023-09-25 ~ 2023-10-12		
Remark:	Fundamental Radiated Emission		

Frequency (MHz)	Reading Level (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
2402	56.8	32.3	89.1	114.0	-24.9	Peak	Horizontal
	39.9	32.3	72.2	94.0	-21.8	Average	Horizontal
	48.9	32.3	81.2	114.0	-32.8	Peak	Vertical
	30.4	32.3	62.7	94.0	-31.3	Average	Vertical
2440	56.9	32.4	89.3	114.0	-24.7	Peak	Horizontal
	82.7	-13.6	69.1	94.0	-24.9	Average	Horizontal
	48.8	32.4	81.2	114.0	-32.8	Peak	Vertical
	72.6	-13.6	59.0	94.0	-35.0	Average	Vertical
2480	57.3	32.2	89.5	114.0	-24.5	Peak	Horizontal
	40.2	32.2	72.4	94.0	-21.6	Average	Horizontal
	49.6	32.2	81.8	114.0	-32.2	Peak	Vertical
	31.7	32.2	63.9	94.0	-30.1	Average	Vertical

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For 2440MHz, Average Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC2	Test Engineer	Arvin Ding
Test Date	2023-09-25	Test Mode	GFSK
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	3201.5	63.3	-11.6	51.7	74.0	-22.3	Peak	Horizontal
	3201.5	56.1	-11.6	44.5	54.0	-9.4	Average	Horizontal
	14821.0	38.0	11.9	49.9	74.0	-24.1	Peak	Horizontal
	18000.0	36.5	20.4	56.9	74.0	-17.0	Peak	Horizontal
	18000.0	25.1	20.4	45.5	54.0	-8.4	Average	Horizontal
	3201.5	59.5	-11.6	47.9	74.0	-26.1	Peak	Vertical
	3201.5	53.7	-11.6	42.1	54.0	-11.9	Average	Vertical
	14498.0	38.2	11.6	49.8	74.0	-24.2	Peak	Vertical
	18000.0	36.9	20.4	57.3	74.0	-16.7	Peak	Vertical
	18000.0	25.0	20.4	45.4	54.0	-8.5	Average	Vertical
39	3252.5	65.0	-11.6	53.4	74.0	-20.6	Peak	Horizontal
	3252.5	56.2	-11.6	44.6	54.0	-9.4	Average	Horizontal
	14685.0	38.1	11.8	49.9	74.0	-24.1	Peak	Horizontal
	18000.0	37.4	20.4	57.8	74.0	-16.2	Peak	Horizontal
	18000.0	25.9	20.4	46.3	54.0	-7.6	Average	Horizontal
	3252.5	60.1	-11.6	48.5	74.0	-25.4	Peak	Vertical
	3252.5	55.2	-11.6	43.6	54.0	-10.3	Average	Vertical
	14285.5	39.9	10.4	50.3	74.0	-23.7	Peak	Vertical
	17991.5	36.8	20.3	57.1	74.0	-17.0	Peak	Vertical
	17991.5	25.4	20.3	45.7	54.0	-8.4	Average	Vertical
79	3303.5	65.9	-11.8	54.1	74.0	-19.9	Peak	Horizontal
	3303.5	57.6	-11.8	45.8	54.0	-8.2	Average	Horizontal
	14617.0	38.3	11.8	50.1	74.0	-23.9	Peak	Horizontal
	17991.5	36.3	20.3	56.6	74.0	-17.4	Peak	Horizontal
	17991.5	25.0	20.3	45.3	54.0	-8.7	Average	Horizontal
	3303.5	59.2	-11.8	47.4	74.0	-26.6	Peak	Vertical
	3303.5	54.7	-11.8	42.9	54.0	-11.1	Average	Vertical
	14676.5	38.0	11.6	49.6	74.0	-24.4	Peak	Vertical

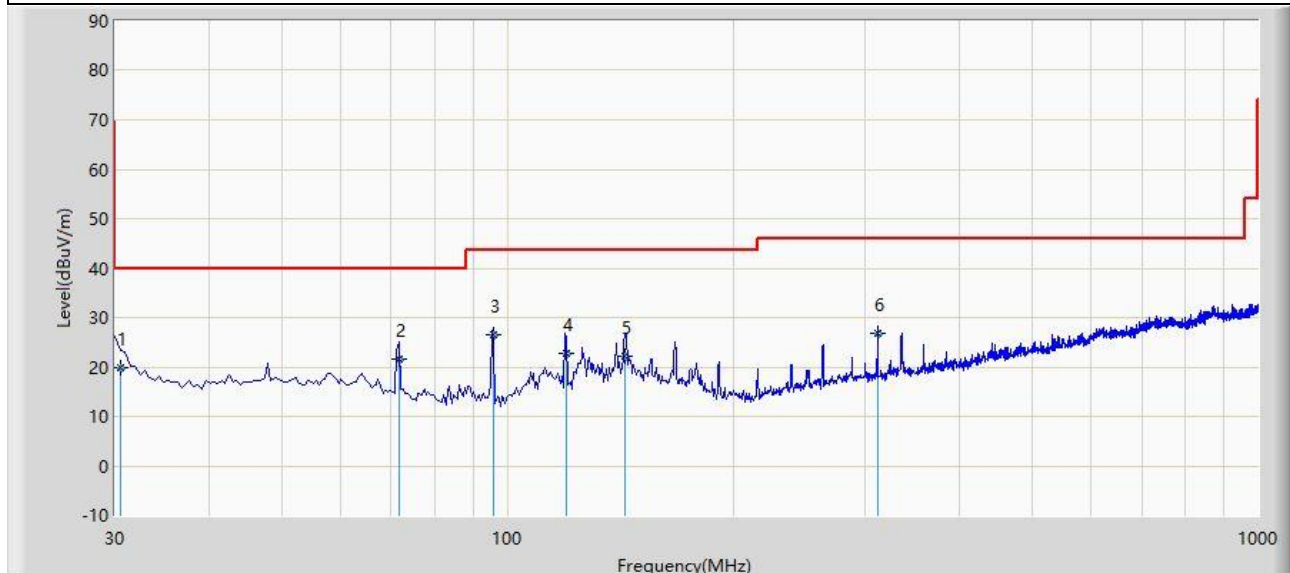
	18000.0	36.6	20.4	57.0	74.0	-17.0	Peak	Vertical
	18000.0	25.0	20.4	45.4	54.0	-8.6	Average	Vertical

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Result of Radiated Emission below 1GHz:

Site: SIP-AC2	Test Date: 2023-09-27
Limit: FCC_Part15.249_RSE(3m)	Engineer: Arvin Ding
Probe: VULB 9168_00998_25-2000MHz	Polarity: Horizontal
EUT: Segway USB Receiver	Power: By Computer
Test Mode: Transmit by SRD at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		30.481	19.866	2.900	-20.134	40.000	16.966	QP
2		71.740	21.495	5.600	-18.505	40.000	15.895	QP
3	*	95.639	26.381	13.400	-17.119	43.500	12.981	QP
4		119.677	22.781	6.900	-20.719	43.500	15.881	QP
5		143.604	22.280	4.300	-21.220	43.500	17.979	QP
6		311.785	26.780	7.700	-19.220	46.000	19.080	QP

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m).

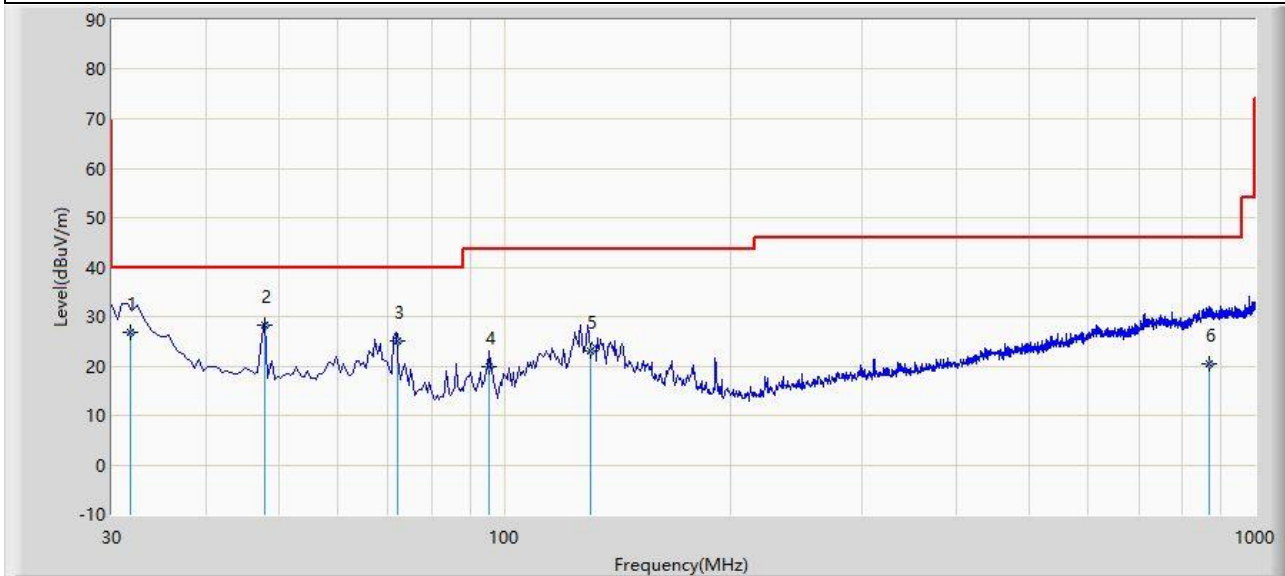
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

Site: SIP-AC2	Test Date: 2023-09-27
Limit: FCC_Part15.249_RSE(3m)	Engineer: Arvin Ding
Probe: VULB 9168_00998_25-2000MHz	Polarity: Vertical
EUT: Segway USB Receiver	Power: By Computer
Test Mode: Transmit by SRD at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		31.700	26.704	9.800	-13.296	40.000	16.904	QP
2	*	47.992	28.271	9.800	-11.729	40.000	18.471	QP
3		71.982	25.051	9.200	-14.949	40.000	15.851	QP
4		95.622	19.779	6.800	-23.721	43.500	12.979	QP
5		130.006	23.139	6.200	-20.361	43.500	16.939	QP
6		868.994	20.372	-9.900	-25.628	46.000	30.272	QP

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

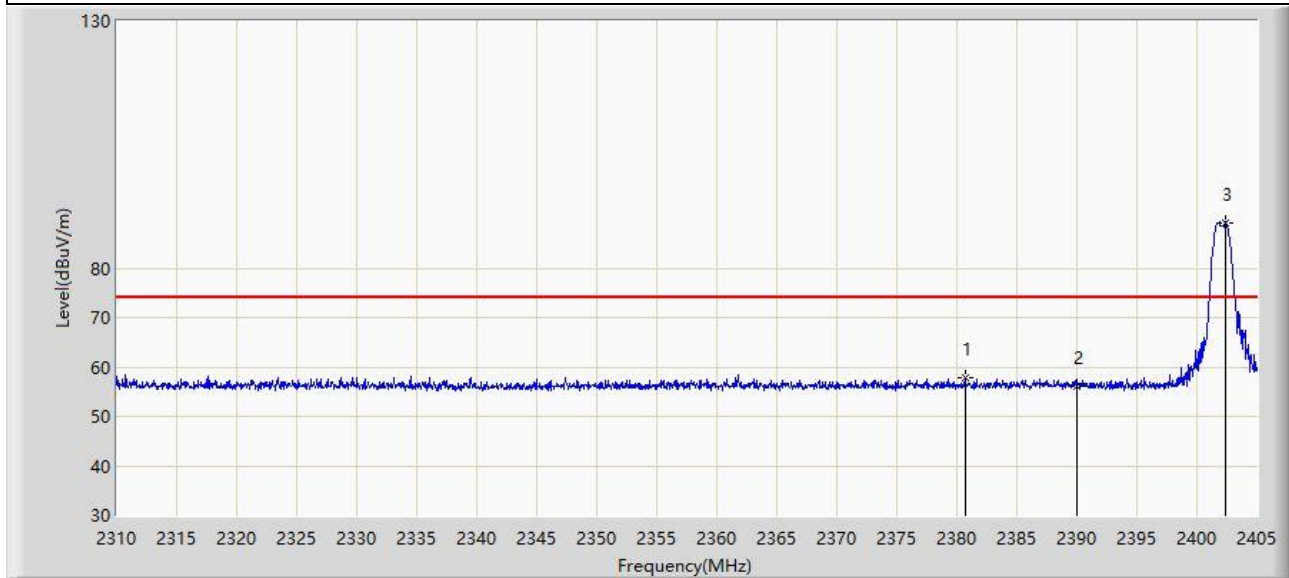
Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

Note 5: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

Radiated Restricted Band Edge Test Result

Site: SIP-AC2	Test Date: 2023-09-25
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Segway USB Receiver	Power: By Computer
Test Mode: Transmit by SRD at 2402MHz	



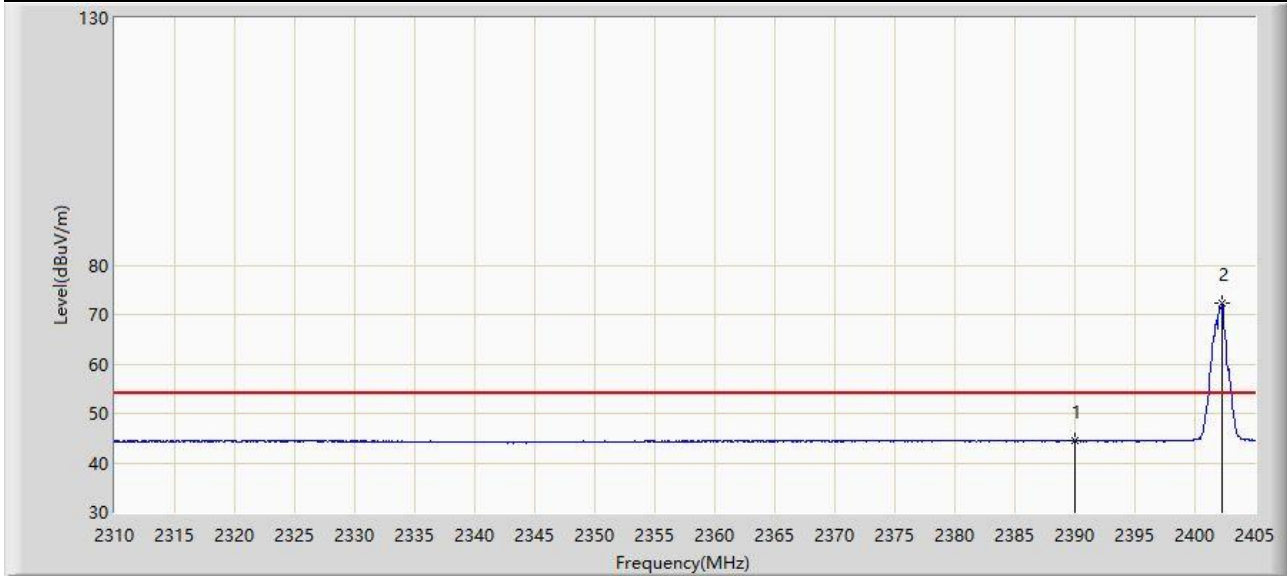
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2380.680	57.686	25.251	-16.314	74.000	32.436	PK
2		2390.000	56.032	23.649	-17.968	74.000	32.382	PK
3		2402.435	89.192	56.845	N/A	N/A	32.346	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-09-25
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Segway USB Receiver	Power: By Computer
Test Mode: Transmit by SRD at 2402MHz	



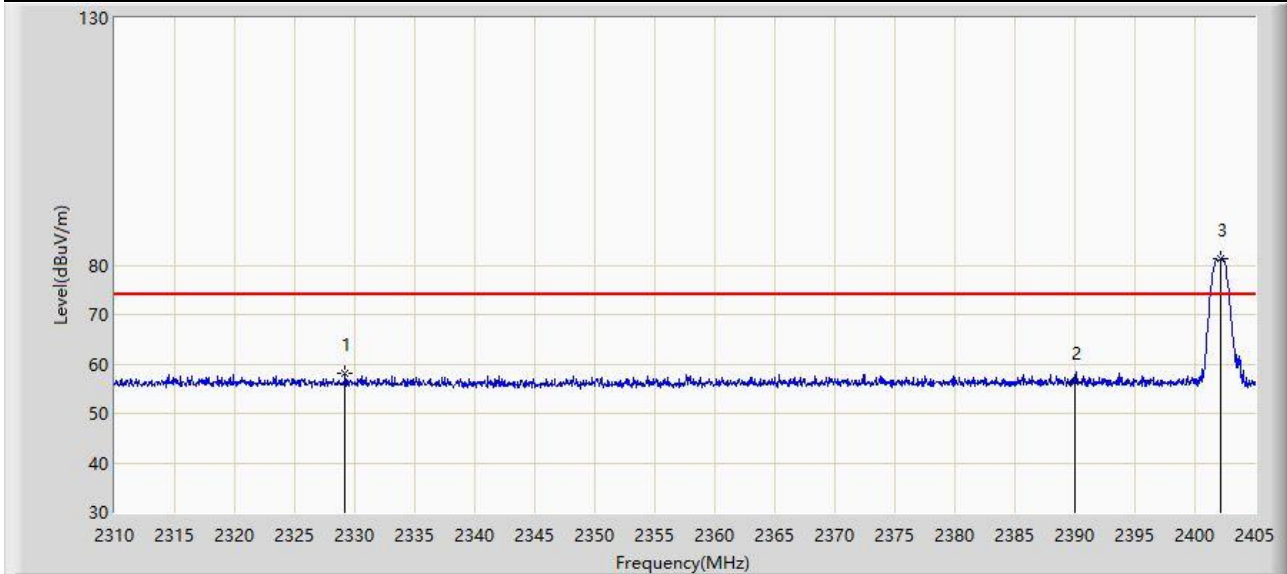
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2390.000	44.453	12.070	-9.547	54.000	32.382	AV
2		2402.292	72.268	39.921	N/A	N/A	32.346	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-09-25
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Segway USB Receiver	Power: By Computer
Test Mode: Transmit by SRD at 2402MHz	



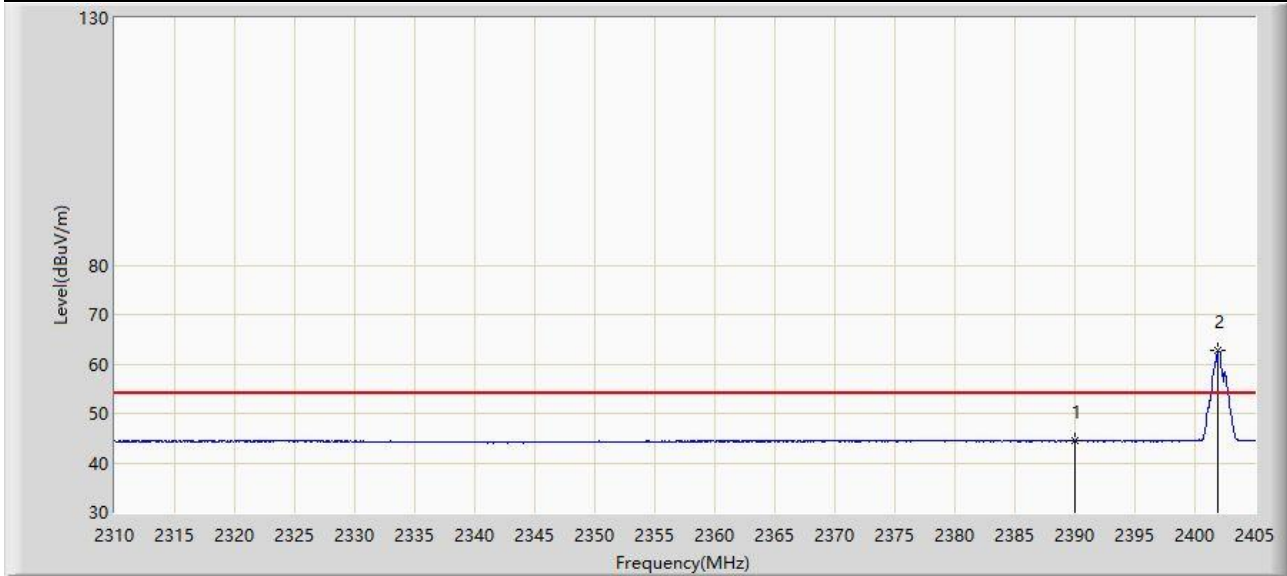
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2329.190	58.063	25.487	-15.937	74.000	32.577	PK
2		2390.000	56.401	24.018	-17.599	74.000	32.382	PK
3		2402.150	81.261	48.914	N/A	N/A	32.347	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-09-25
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Segway USB Receiver	Power: By Computer
Test Mode: Transmit by SRD at 2402MHz	



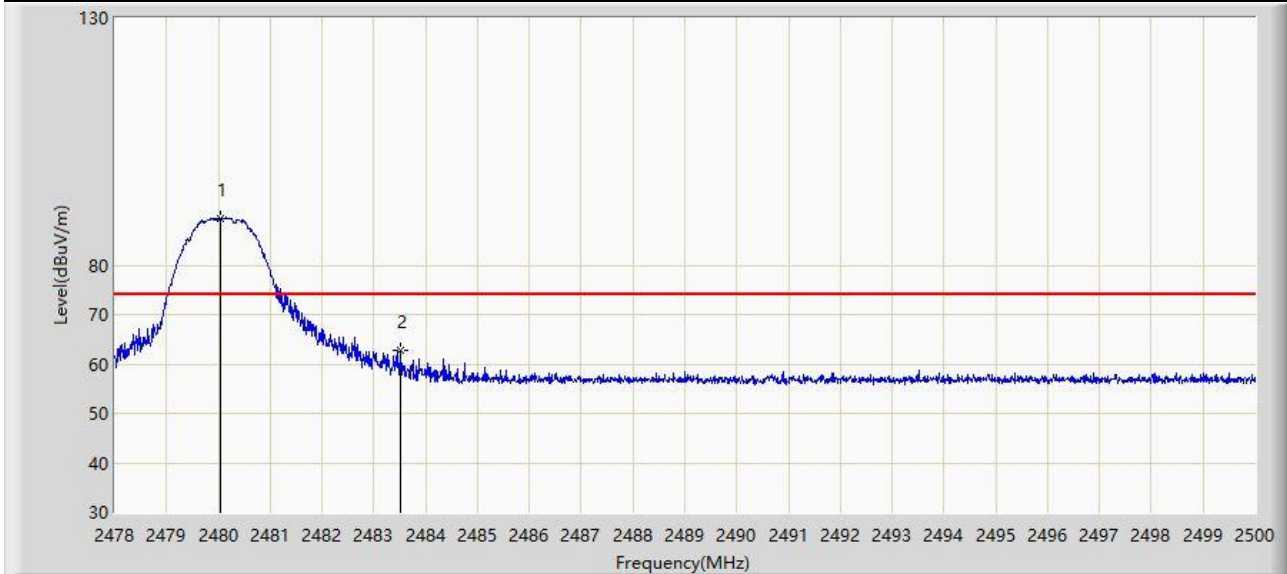
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2390.000	44.372	11.989	-9.628	54.000	32.382	AV
2		2401.960	62.728	30.381	N/A	N/A	32.347	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-09-25
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Segway USB Receiver	Power: By Computer
Test Mode: Transmit by SRD at 2480MHz	



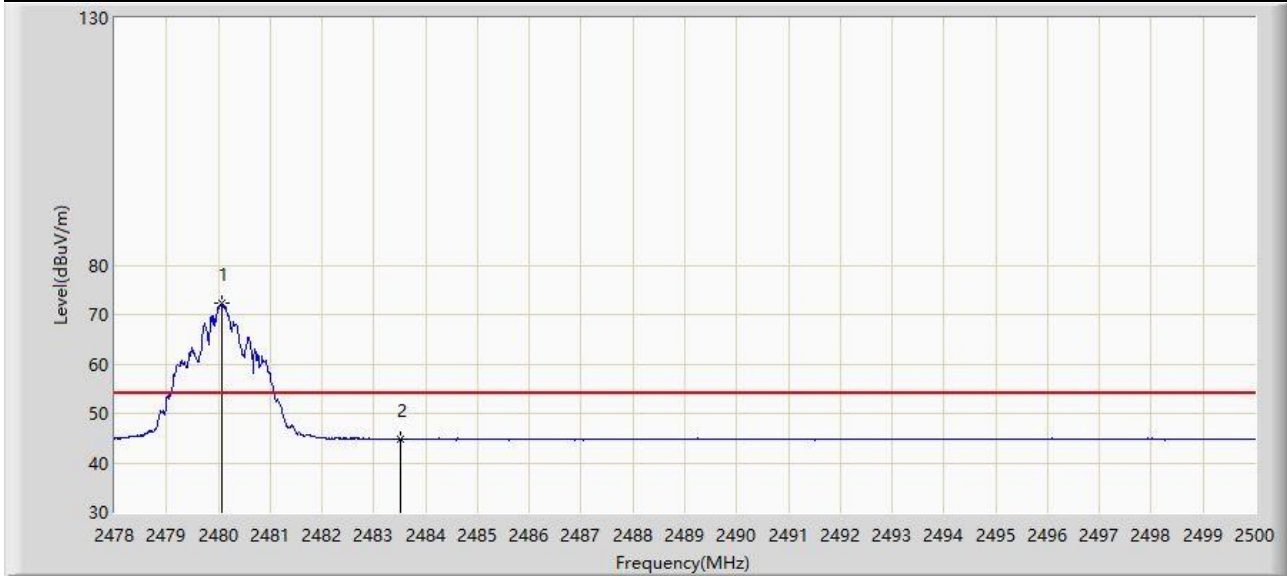
No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		2480.046	89.512	57.301	N/A	N/A	32.212	PK
2	*	2483.500	62.650	30.427	-11.350	74.000	32.222	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-09-25
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Segway USB Receiver	Power: By Computer
Test Mode: Transmit by SRD at 2480MHz	



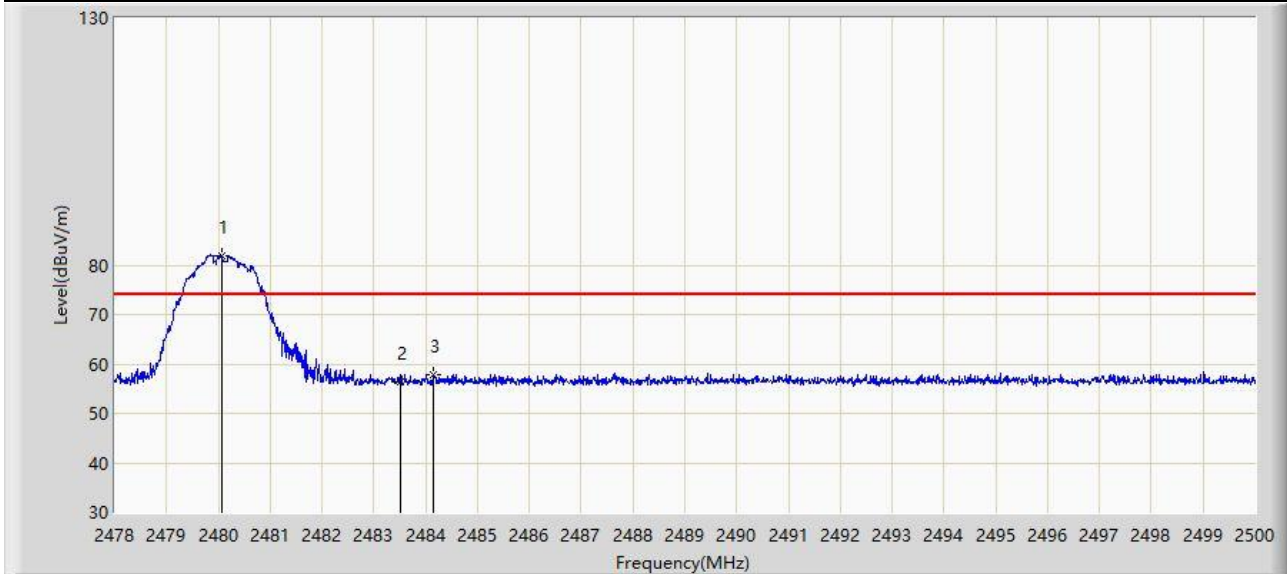
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.079	72.372	40.161	N/A	N/A	32.212	AV
2	*	2483.500	44.838	12.615	-9.162	54.000	32.222	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-09-25
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Segway USB Receiver	Power: By Computer
Test Mode: Transmit by SRD at 2480MHz	



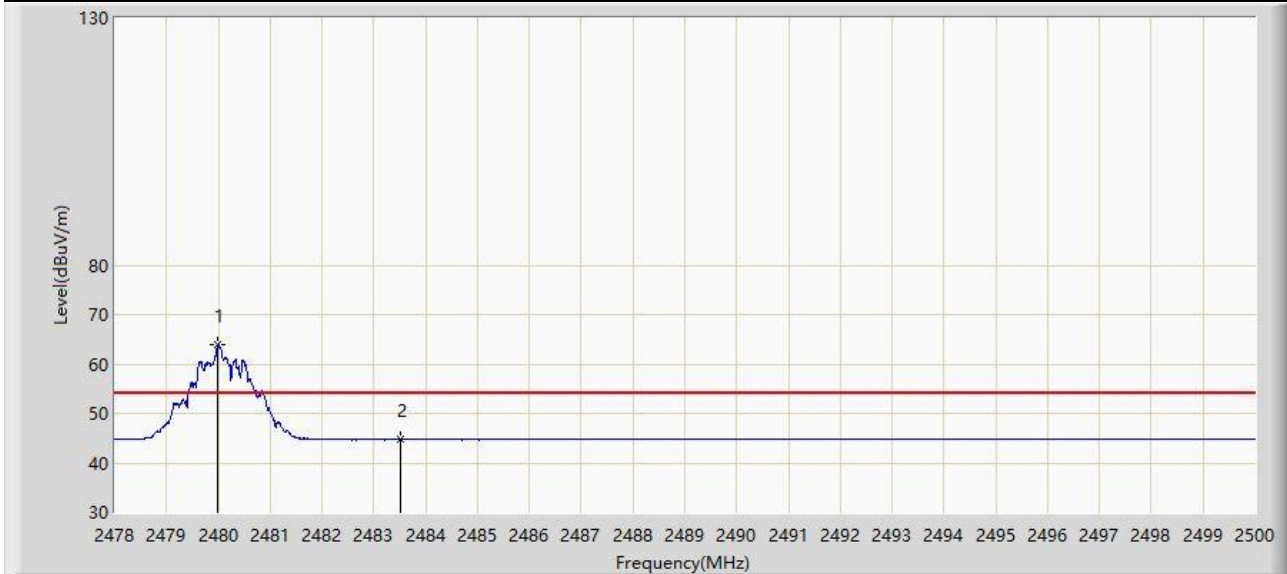
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.057	81.784	49.573	N/A	N/A	32.212	PK
2		2483.500	56.500	24.277	-17.500	74.000	32.222	PK
3	*	2484.149	57.943	25.718	-16.057	74.000	32.225	PK

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: SIP-AC2	Test Date: 2023-09-25
Limit: FCC_2.4G_RE(3m)	Engineer: Arvin Ding
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Segway USB Receiver	Power: By Computer
Test Mode: Transmit by SRD at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		2479.991	63.911	31.700	N/A	N/A	32.212	AV
2	*	2483.500	44.786	12.563	-9.214	54.000	32.222	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Appendix B - Test Setup Photograph

Refer to "2306RSU049-UT" file.

Appendix C - EUT Photograph

Refer to "2306RSU049-UE" file.