

RF MEASUREMENT REPORT

FCC ID: 2ALS8-KS0012
Applicant: Ninebot (Changzhou) Tech Co., Ltd.
Product: Ninebot KickScooter
Model No.: F65U
Brand Name: ninebot
FCC Classification: Digital Transmission System (DTS)
FCC Rule Part(s): Part 15 Subpart C (Section 15.247)
Result: Complies
Test Date: 2022-07-06 ~ 2022-08-03

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
2207RSU002-U1	Rev. 01	Initial Report	2022-08-10	Valid

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1.4. Product Information

Product	Ninebot KickScooter
Model No.	F65U
EUT Identification No.	20220708Sample#06
Bluetooth Version	V5.0
Operating Temperature	-10°C ~ 40°C
Rated Input	100–240 V~, 50–60 Hz, 2.0 A MAX
Remark: 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 under Test

Bluetooth Frequency	2402 ~ 2480MHz
Channel Number	40
Type of modulation	GFSK
Data Rate	1Mbps & 2Mbps
Antenna Type	PCB Antenna
Antenna Gain	0.2 dBi

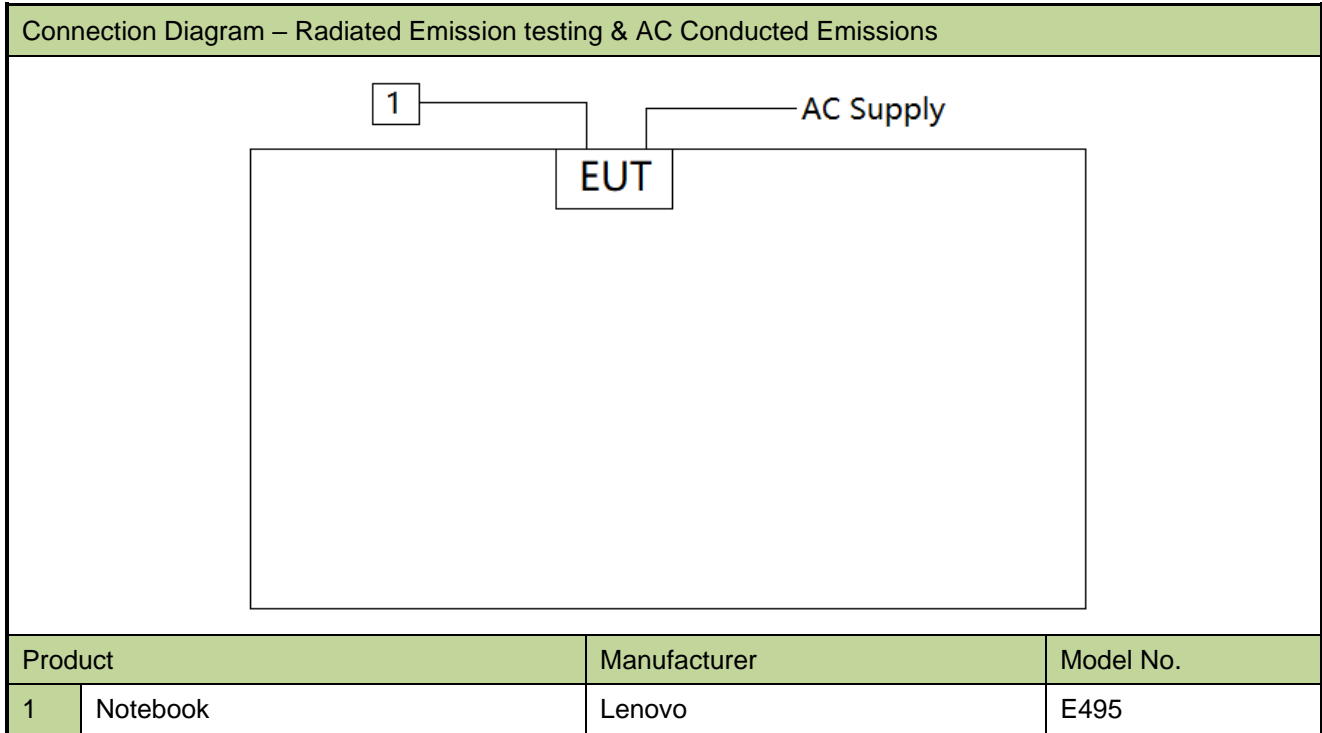
1.6. Working Frequencies

Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2404 MHz	02	2406 MHz
03	2408 MHz	04	2410 MHz	05	2412 MHz
06	2414 MHz	07	2416 MHz	08	2418 MHz
09	2420 MHz	10	2422 MHz	11	2424 MHz
12	2426 MHz	13	2428 MHz	14	2430 MHz
15	2432 MHz	16	2434 MHz	17	2436 MHz
18	2438 MHz	19	2440 MHz	20	2442 MHz
21	2444 MHz	22	2446 MHz	23	2448 MHz
24	2450 MHz	25	2452 MHz	26	2454 MHz
27	2456 MHz	28	2458 MHz	29	2460 MHz
30	2462 MHz	31	2464 MHz	32	2466 MHz
33	2468 MHz	34	2470 MHz	35	2472 MHz
36	2474 MHz	37	2476 MHz	38	2478 MHz
39	2480 MHz	--	--	--	--

2. Test Configuration

2.1. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.



2.2. Test Software

The test utility software used during testing was “RTL8762x_RFTTestTool.exe”, and the version was v1.0.1.7.

2.3. Applied Standards

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

- FCC Part 15.247
- KDB 558074 D01v05r02
- 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:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Anechoic Chamber	RIKEN	SIP-AC1	MRTSUE06554	1 year	2022-12-23	SIP-AC1
Preamplifier	EMCI	EMC051845SE	MRTSUE06600	1 year	2022-11-08	SIP-AC1
Horn Antenna	R&S	HF907	MRTSUE06610	1 year	2022-08-05	SIP-AC1
				1 year	2023-07-13	SIP-AC1
Thermohygrometer	testo	608-H1	MRTSUE06616	1 year	2022-11-02	SIP-AC1
Thermohygrometer	testo	608-H1	MRTSUE06620	1 year	2022-11-28	SIP-AC1
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2023-03-14	SIP-AC1
Signal Analyzer	Keysight	N9010B	MRTSUE07028	1 year	2022-12-09	SIP-AC1
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06599	1 year	2022-10-20	SIP-AC1
Preamplifier	EMCI	EMC184045SE	MRTSUE06602	1 year	2022-10-11	SIP-AC1
Cable	HUBER+SUHNER	SF106	MRTSUE06594	1 year	2022-12-23	SIP-AC1
Cable	HUBER+SUHNER	SF106	MRTSUE06874	1 year	2022-12-23	SIP-AC1
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2022-12-29	SIP-AC2
Thermohygrometer	testo	608-H1	MRTSUE06623	1 year	2022-11-28	SIP-AC2
Thermohygrometer	testo	608-H1	MRTSUE06624	1 year	2022-11-28	SIP-AC2
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06647	1 year	2022-08-05	SIP-AC2
				1 year	2023-07-13	SIP-AC2
Anechoic Chamber	RIKEN	SIP-AC2	MRTSUE06781	1 year	2022-12-23	SIP-AC2
Cable	HUBER+SUHNER	SF106	MRTSUE06522	1 year	2023-05-09	SIP-AC2
Cable	HUBER+SUHNER	SF106	MRTSUE06875	1 year	2022-12-23	SIP-AC2
Horn Antenna	R&S	HF907	MRTSUE06611	1 year	2022-09-12	SIP-AC3
Preamplifier	EMCI	EMC012645SE	MRTSUE06642	1 year	2023-01-13	SIP-AC3
Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2022-09-07	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE06619	1 year	2022-11-02	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE06622	1 year	2022-11-28	SIP-AC3
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	1 year	2022-12-23	SIP-AC3
Two-Line V-Network	R&S	ENV216	MRTSUE06003	1 year	2023-06-01	SIP-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06612	1 year	2023-06-01	SIP-SR2
Thermohygrometer	testo	608-H1	MRTSUE06621	1 year	2022-11-28	SIP-SR2
Shielding Room	MIX-BEP	SIP-SR2	MRTSUE06949	5 years	2024-10-23	SIP-SR2
Cable	HUBER+SUHNER	RG 233/U	MRTSUE06872	1 year	2023-01-02	SIP-SR2
USB Power Sensor	Keysight	U2021XA	MRTSUE06595	1 year	2022-09-07	SIP-TR1
Signal Analyzer	Keysight	N9010B	MRTSUE07036	1 year	2023-03-31	SIP-TR1
Thermohygrometer	testo	Testo 608-H1	MRTSUE11022	1 year	2022-11-02	SIP-TR1
Attenuator	MVE	MVE2213	MRTSUE11101	1 year	2023-06-09	SIP-TR1

Software	Version	Function
EMI Software	V3.0.0	EMI Test Software
Controller_MF 7802BS	1.02	RE Antenna&turntable
Agilent Power Panel	V R03.09.00	Power

5. Decision Rules and 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
Measurement Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 9kHz~150kHz: 3.74dB 150kHz~30MHz: 3.44dB
Radiated Disturbance
Measurement Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): Horizontal: 30MHz~300MHz: 5.04dB 300MHz~1GHz: 4.95dB 1GHz~40GHz: 6.40dB Vertical: 30MHz~300MHz: 5.24dB 300MHz~1GHz: 6.03dB 1GHz~40GHz: 6.40dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.78dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 1.13dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 1.15dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.28%

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.247(a)(2)	6dB Bandwidth	Conducted	Pass
15.247(b)(3)	Output Power		Pass
15.247(e)	Power Spectral Density		Pass
15.247(d)	Band Edge / Out-of-Band Emissions		Pass
15.205 15.209	General Field Strength (Restricted Bands and Radiated Emission)	Radiated	Pass
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass

Remark:

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.

6.2. 6dB Bandwidth Measurement

6.2.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

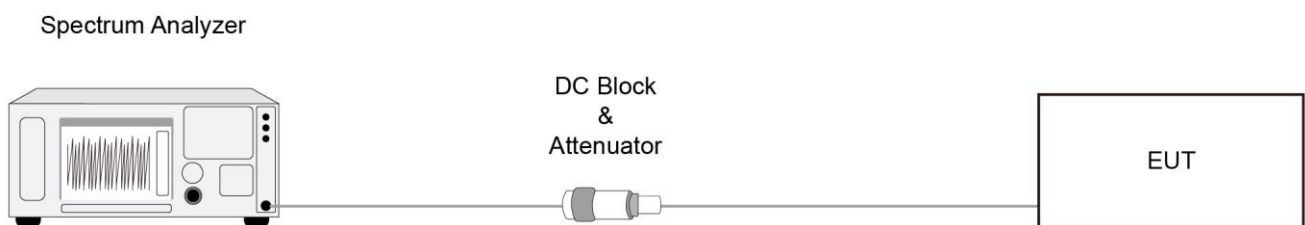
6.2.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.8

6.2.3. Test Setting

1. The Spectrum's automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 6$. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. Set RBW = 100 kHz
3. $VBW \geq 3 \times RBW$
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.2.

6.3. Output Power Measurement

6.3.1. Test Limit

The maximum output power shall be less 1 Watt (30dBm).

The conducted output power limit specified in paragraph FCC Part 15.247(b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs FCC Part 15.247(b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

6.3.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.9.1.3

ANSI C63.10 - 2013 - Section 11.9.2.3.2

6.3.3. Test Setting

Method PKPM1 (Peak Power Measurement of Signals with DTS BW \leq 50MHz)

Peak power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The pulse sensor employs a VBW = 50MHz so this method was only used for signals whose DTS bandwidth was less than or equal to 50MHz.

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.3.4. Test Setup



6.3.5. Test Result

Refer to Appendix A.3.

6.4. Power Spectral Density Measurement

6.4.1. Test Limit

The maximum permissible power spectral density is 8dBm in any 3 kHz band.

The same method of determining the conducted output power shall be used to determine the power spectral density.

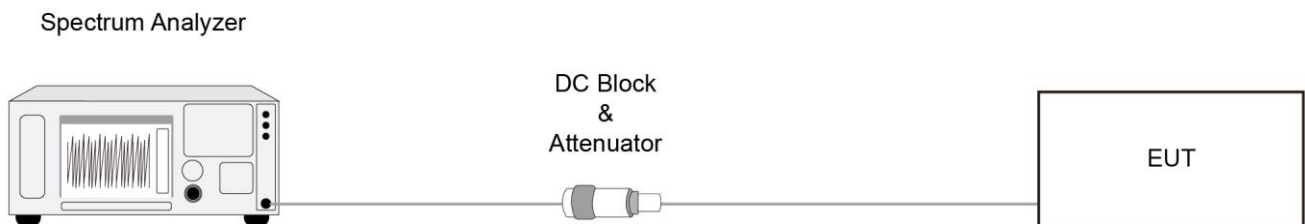
6.4.2. Test Procedure

ANSI C63.10-2013 Section 11.10.2

6.4.3. Test Setting

1. Analyzer was set to the center frequency of the DTS channel under investigation
2. Span = 1.5 times the DTS channel bandwidth
3. RBW = 3kHz
4. VBW = 10kHz
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Trace was allowed to stabilize

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.4.

6.5. Conducted Band Edge and Out-of-Band Emissions Measurement

6.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

6.5.2. Test Procedure

ANSI C63.10-2013 - Section 11.11

6.5.3. Test Setting

Reference level measurement

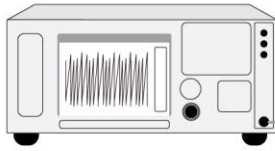
1. Set instrument center frequency to DTS channel center frequency
2. Set the span to ≥ 1.5 times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW $\geq 3 \times$ RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize

Emission level measurement

1. Set the center frequency and span to encompass frequency range to be measured
2. RBW = 100kHz
3. VBW = 300kHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

6.5.4. Test Setup

Spectrum Analyzer



DC Block
&
Attenuator



6.5.5. Test Result

Refer to Appendix A.5.

6.6. Radiated Spurious Emission Measurement

6.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/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

6.6.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.11 & 11.12

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)

6.6.3. 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 spurious 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

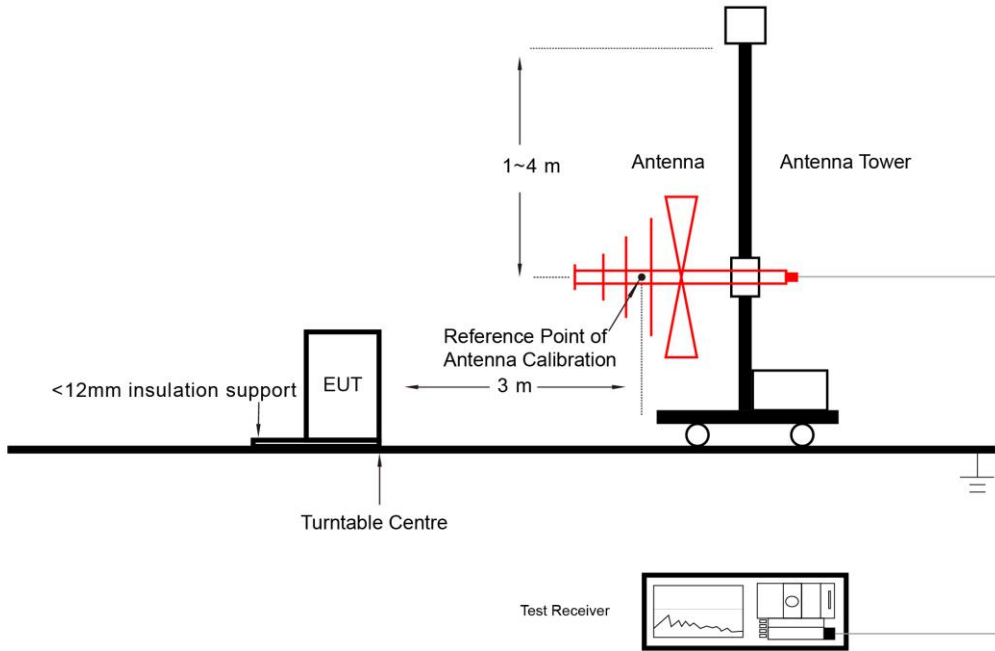
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

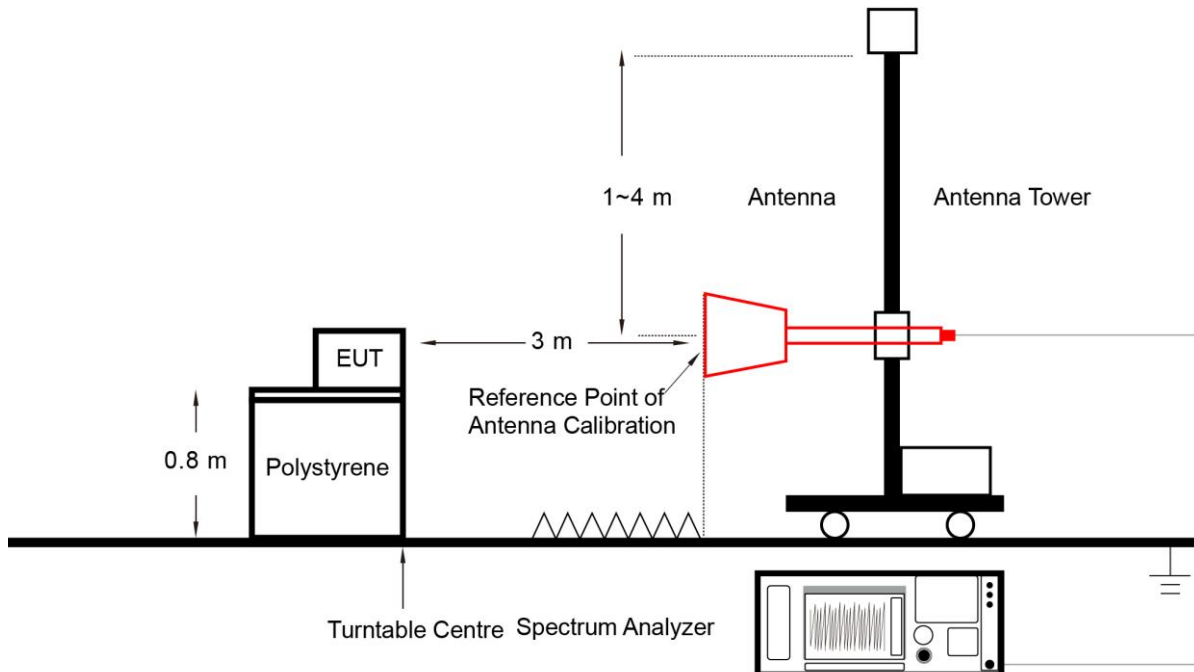
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.6.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.6.5. Test Result

Refer to Appendix A.6.

6.7. Radiated Restricted Band Edge Measurement

6.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/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

6.7.2. Test Procedure

ANSI C63.10-2013 Section 6.3 & 6.6 & 11.13

6.7.3. Test Setting

Peak Field Strength Measurements

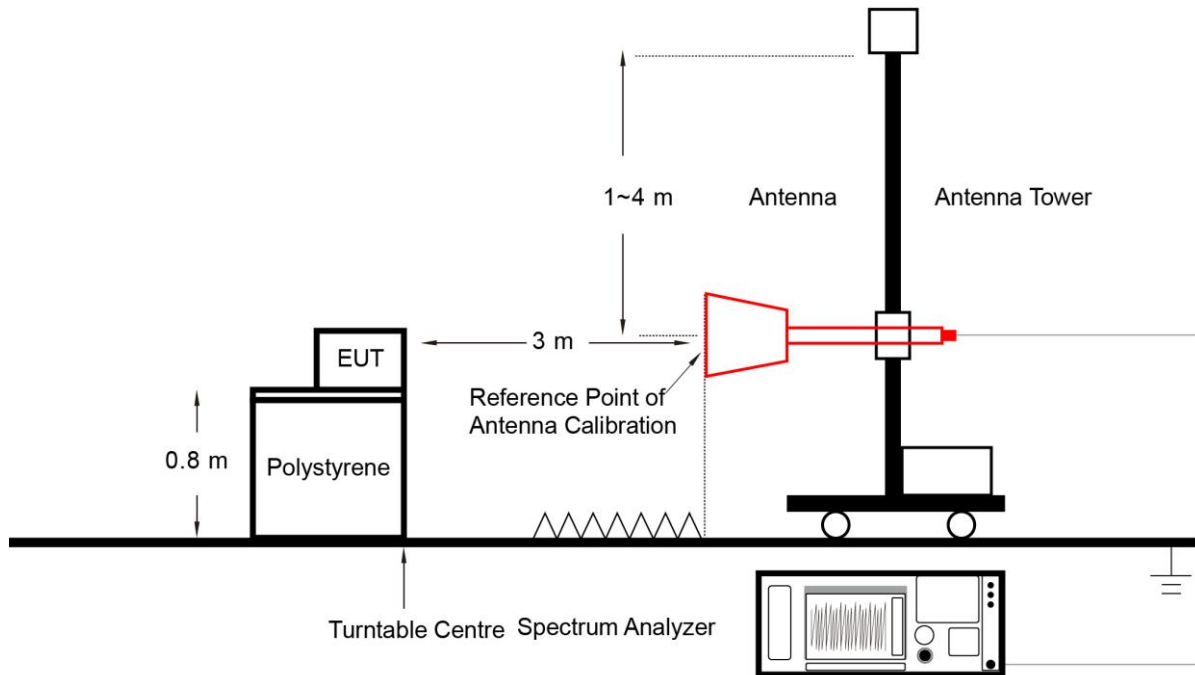
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak

6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

6.7.4. Test Setup



6.7.5. Test Result

Refer to Appendix A.7.

6.8. AC Conducted Emissions Measurement

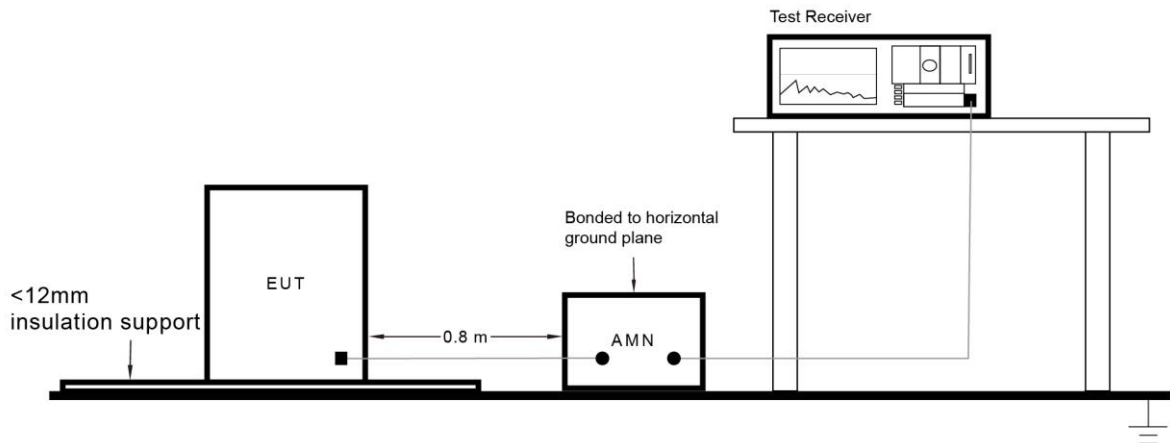
6.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
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.

6.8.2. Test Setup



6.8.3. Test Result

Refer to Appendix A.8.

Appendix A - Test Result

A.1 Duty Cycle Test Result

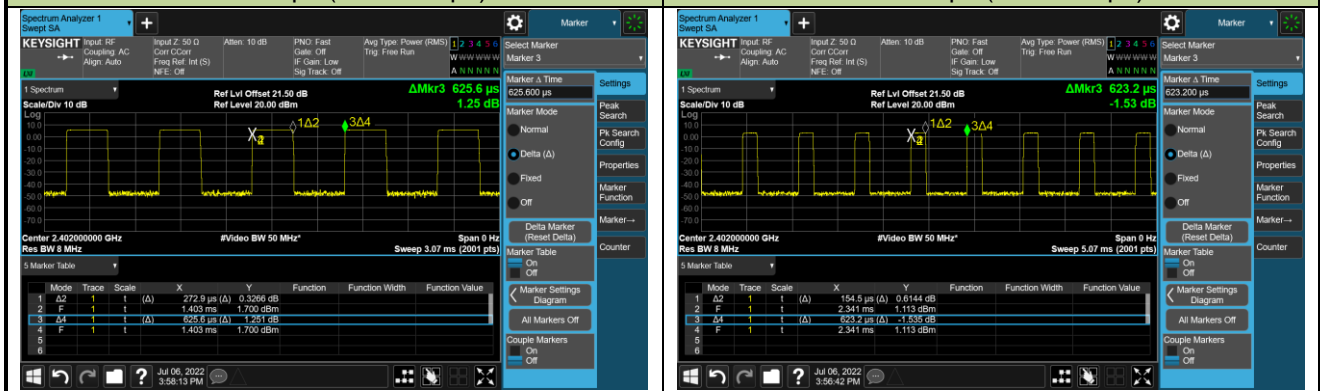
Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2022-07-06		

Test Mode	Duty Cycle
BLE-1Mbps	43.62%
BLE-2Mbps	24.79%

Duty Cycle (T = Transmission Duration)

BLE-1Mbps (T = 272.9 μ s)

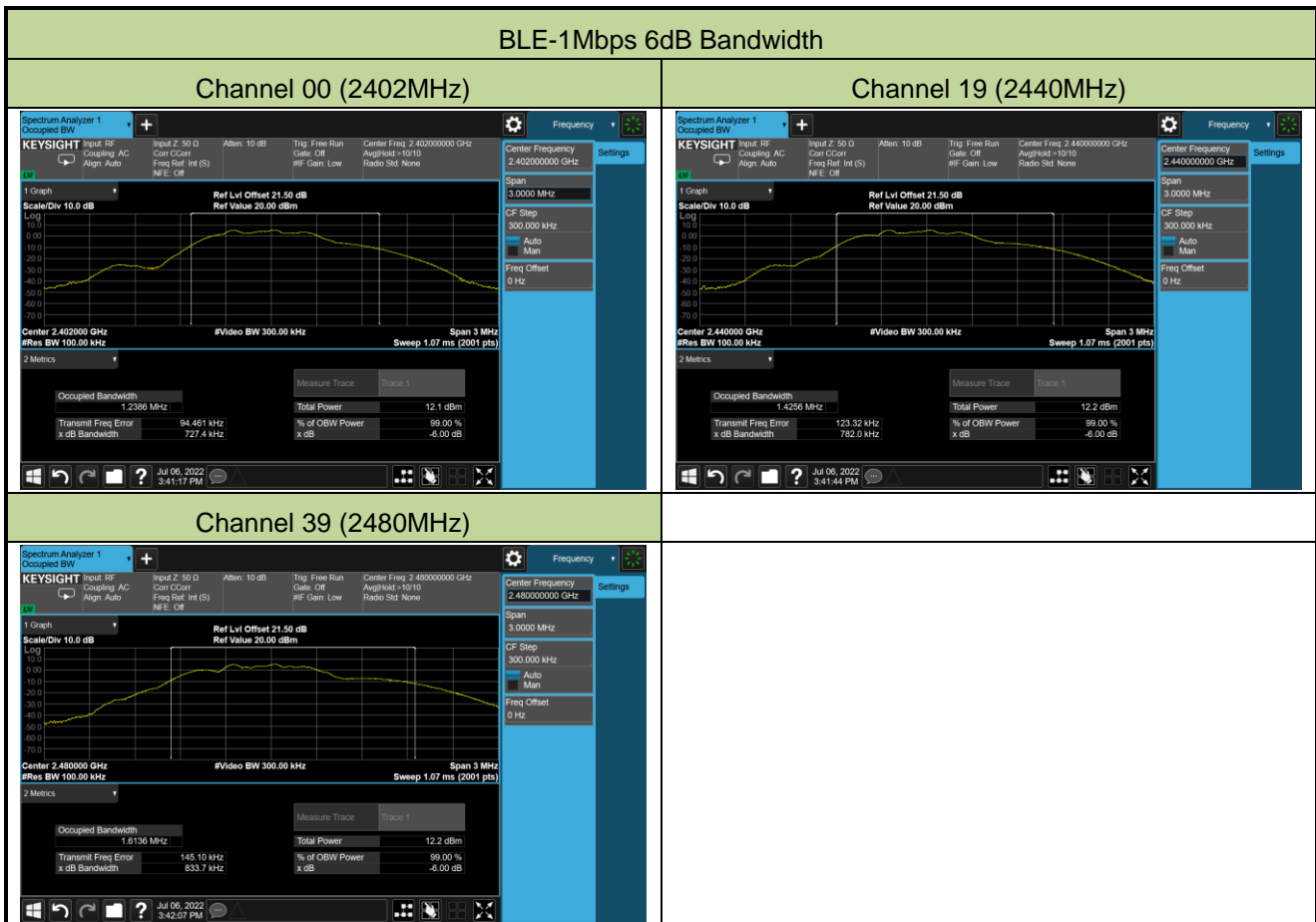
BLE-2Mbps (T = 154.5 μ s)

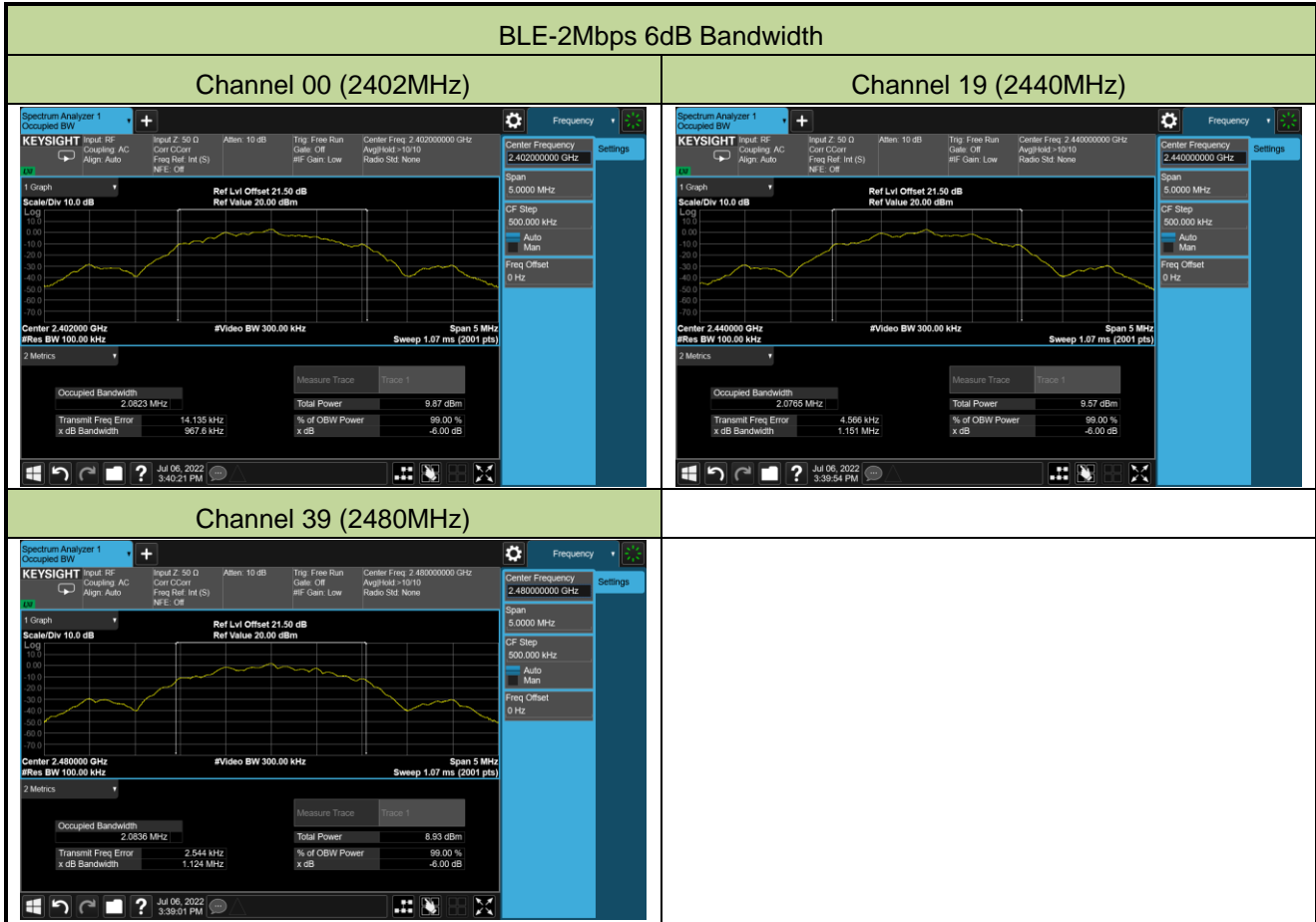


A.2 6dB Bandwidth Test Result

Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2022-07-06		

Test Mode	Data Rate	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
BLE	1Mbps	00	2402	0.727	≥ 0.5
BLE	1Mbps	19	2440	0.782	≥ 0.5
BLE	1Mbps	39	2480	0.834	≥ 0.5
BLE	2Mbps	00	2402	0.968	≥ 0.5
BLE	2Mbps	19	2440	1.151	≥ 0.5
BLE	2Mbps	39	2480	1.124	≥ 0.5





A.3 Output Power Test Result

Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2022-07-06		

Test Result of Peak Output Power

Test Mode	Data Rate	Channel No.	Frequency (MHz)	Peak Power (dBm)	Limit (dBm)	Result
BLE	1Mbps	00	2402	6.11	≤ 30.00	Pass
BLE	1Mbps	19	2440	6.00	≤ 30.00	Pass
BLE	1Mbps	39	2480	5.80	≤ 30.00	Pass
BLE	2Mbps	00	2402	3.88	≤ 30.00	Pass
BLE	2Mbps	19	2440	3.53	≤ 30.00	Pass
BLE	2Mbps	39	2480	2.92	≤ 30.00	Pass

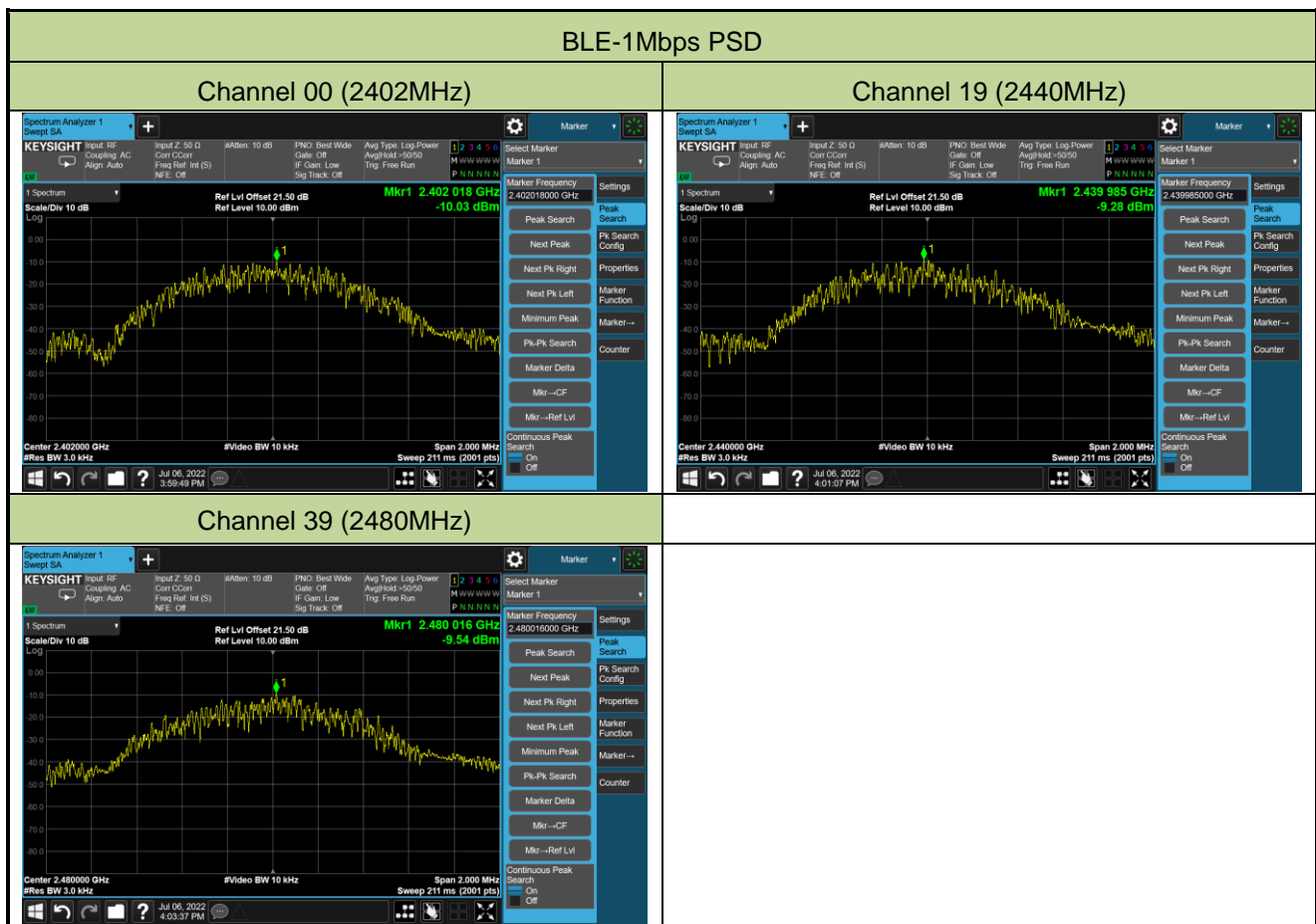
Test Result of Average Output Power (Reporting Only)

Test Mode	Data Rate	Channel No.	Frequency (MHz)	Average Power (dBm)	Limit (dBm)	Result
BLE	1Mbps	00	2402	5.48	≤ 30.00	Pass
BLE	1Mbps	19	2440	5.37	≤ 30.00	Pass
BLE	1Mbps	39	2480	5.10	≤ 30.00	Pass
BLE	2Mbps	00	2402	2.84	≤ 30.00	Pass
BLE	2Mbps	19	2440	2.37	≤ 30.00	Pass
BLE	2Mbps	39	2480	1.65	≤ 30.00	Pass

A.4 Power Spectral Density Test Result

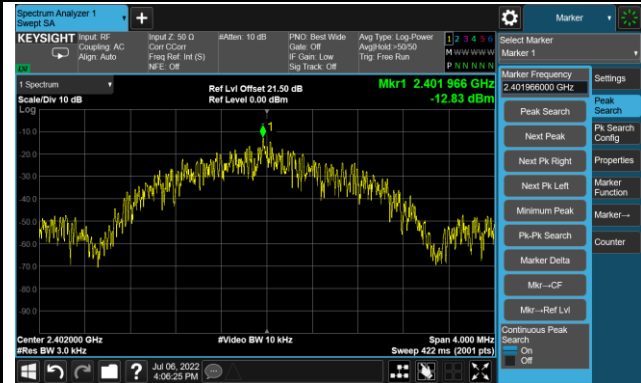
Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2022-07-06		

Test Mode	Data Rate	Channel No.	Frequency (MHz)	PSD Result (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
BLE	1Mbps	00	2402	-10.03	≤ 8.00	Pass
BLE	1Mbps	19	2440	-9.28	≤ 8.00	Pass
BLE	1Mbps	39	2480	-9.54	≤ 8.00	Pass
BLE	2Mbps	00	2402	-12.83	≤ 8.00	Pass
BLE	2Mbps	19	2440	-13.17	≤ 8.00	Pass
BLE	2Mbps	39	2480	-15.02	≤ 8.00	Pass

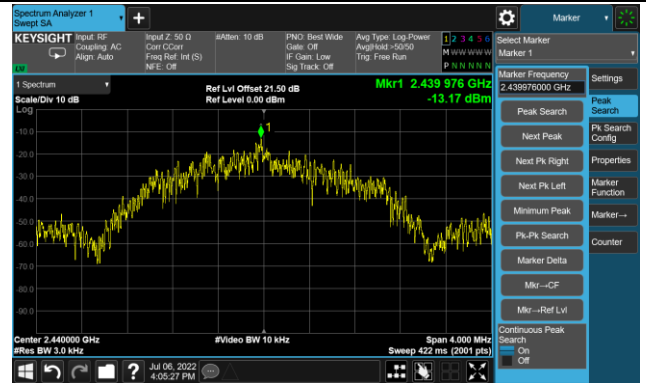


BLE-2Mbps PSD

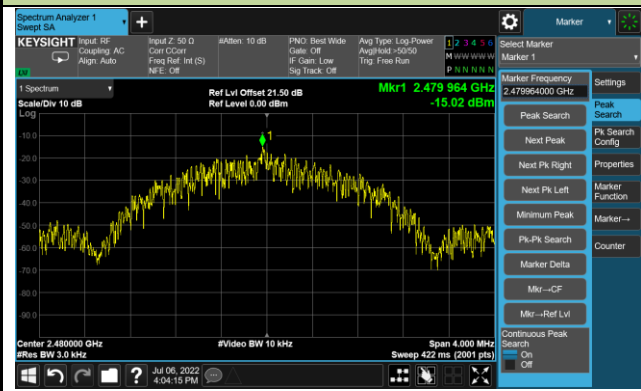
Channel 00 (2402MHz)



Channel 19 (2440MHz)



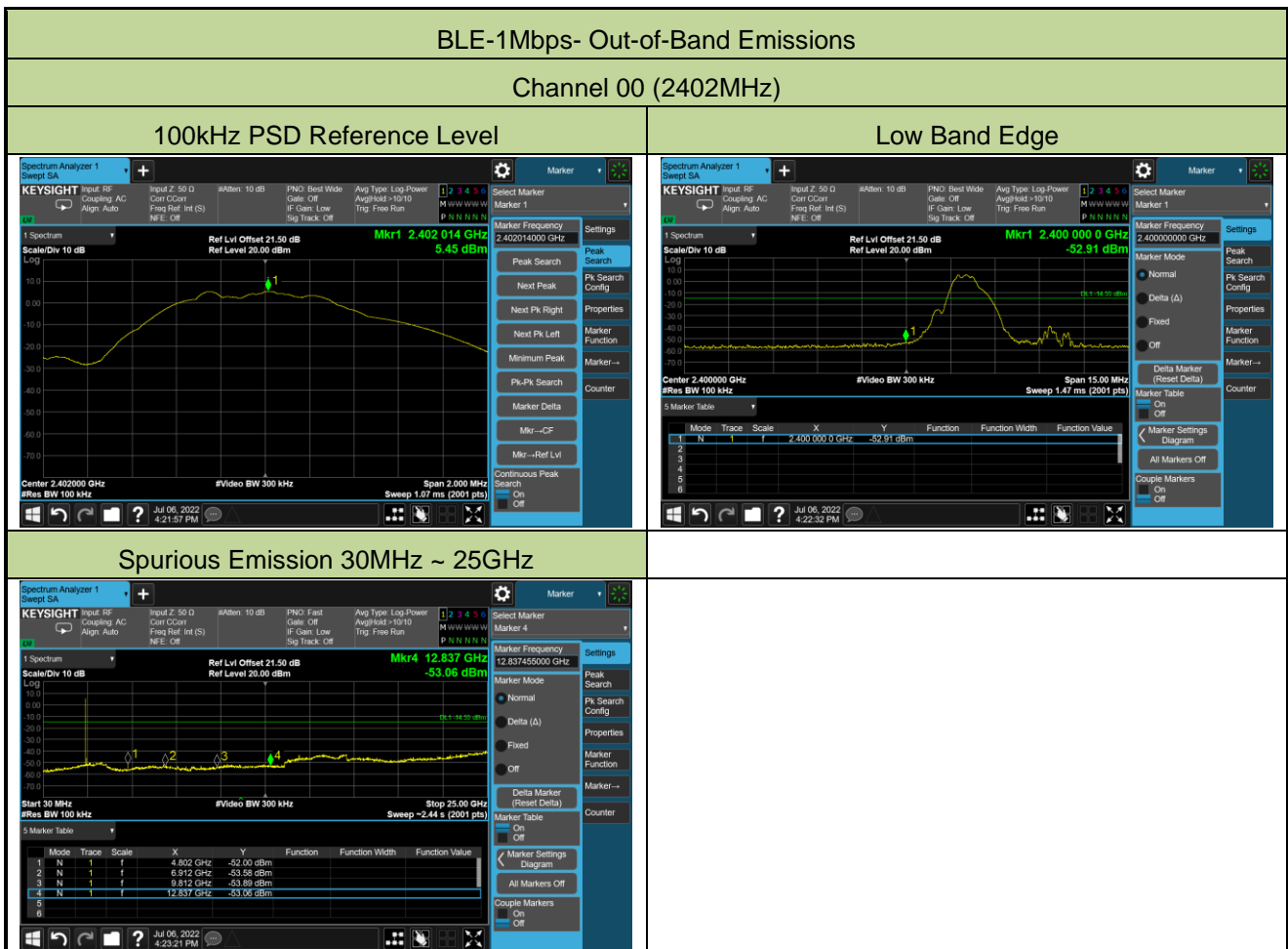
Channel 39 (2480MHz)



A.5 Conducted Band Edge and Out-of-Band Emissions Test Result

Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2022-07-06		

Test Mode	Data Rate / Mbps	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	1	00	2402	20	Pass
BLE	1	19	2440	20	Pass
BLE	1	39	2480	20	Pass
BLE	2	00	2402	20	Pass
BLE	2	19	2440	20	Pass
BLE	2	39	2480	20	Pass

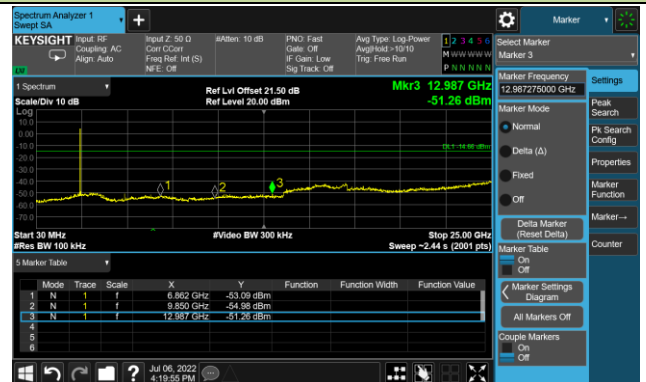


Channel 19 (2440MHz)

100kHz PSD Reference Level

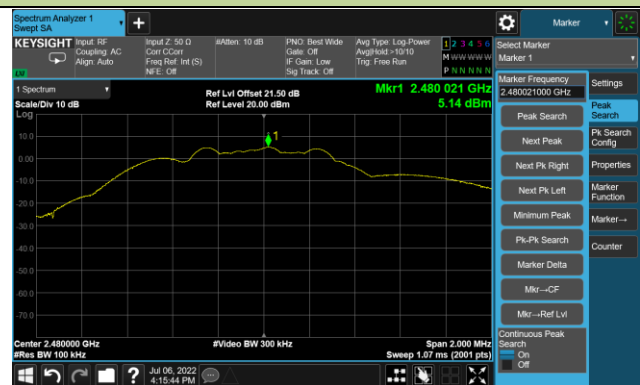


Spurious Emission 30MHz ~ 25GHz

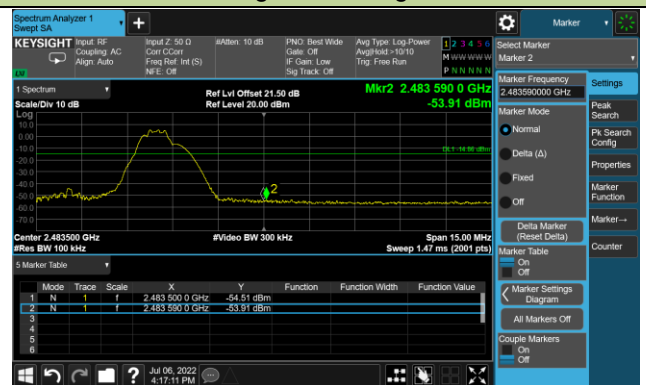


Channel 39 (2480MHz)

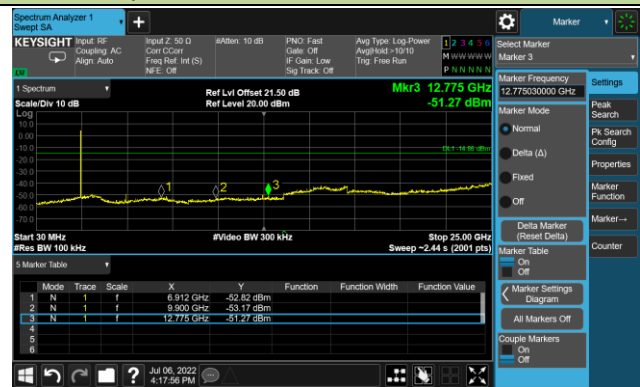
100kHz PSD Reference Level



High Band Edge



Spurious Emission 30MHz ~ 25GHz



BLE-2Mbps- Out-of-Band Emissions

Channel 00 (2402MHz)

100kHz PSD Reference Level



Low Band Edge

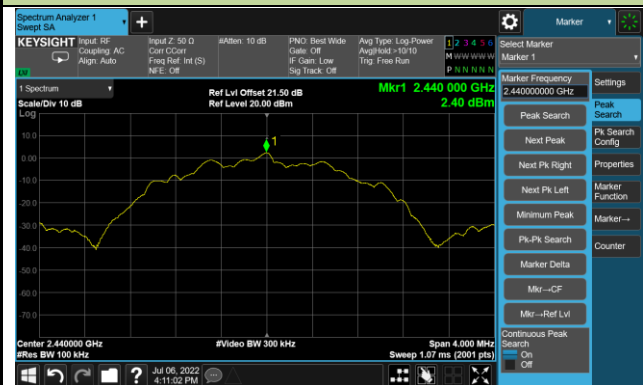


Spurious Emission 30MHz ~ 25GHz



Channel 19 (2440MHz)

100kHz PSD Reference Level



Spurious Emission 30MHz ~ 25GHz



A.6 Radiated Spurious Emission Test Result

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022-07-23	Test Mode:	BLE-1Mbps
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
00	7426.0	47.8	-6.7	41.1	74.0	-32.9	Peak	Horizontal
	8301.5	47.5	-5.0	42.5	74.0	-31.5	Peak	Horizontal
	11931.0	46.1	-2.8	43.3	74.0	-30.7	Peak	Horizontal
	4808.0	53.6	-9.7	43.9	74.0	-30.1	Peak	Vertical
	8216.5	47.1	-4.9	42.2	74.0	-31.8	Peak	Vertical
	11735.5	46.3	-2.7	43.6	74.0	-30.4	Peak	Vertical
19	4884.5	51.0	-9.5	41.5	74.0	-32.5	Peak	Horizontal
	7630.0	48.1	-5.9	42.2	74.0	-31.8	Peak	Horizontal
	12203.0	47.7	-2.5	45.2	74.0	-28.8	Peak	Horizontal
	4884.5	54.0	-9.5	44.5	74.0	-29.5	Peak	Vertical
	8097.5	47.7	-4.9	42.8	74.0	-31.2	Peak	Vertical
	11497.5	46.2	-3.0	43.2	74.0	-30.8	Peak	Vertical
39	4961.0	53.6	-9.3	44.3	74.0	-29.7	Peak	Horizontal
	8165.5	47.6	-5.3	42.3	74.0	-31.7	Peak	Horizontal
	12398.5	47.8	-2.3	45.5	74.0	-28.5	Peak	Horizontal
	4961.0	53.9	-9.3	44.6	74.0	-29.4	Peak	Vertical
	8140.0	47.6	-5.2	42.4	74.0	-31.6	Peak	Vertical
	12398.5	47.9	-2.3	45.6	74.0	-28.4	Peak	Vertical

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

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

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022-07-23	Test Mode:	BLE-2Mbps
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.		

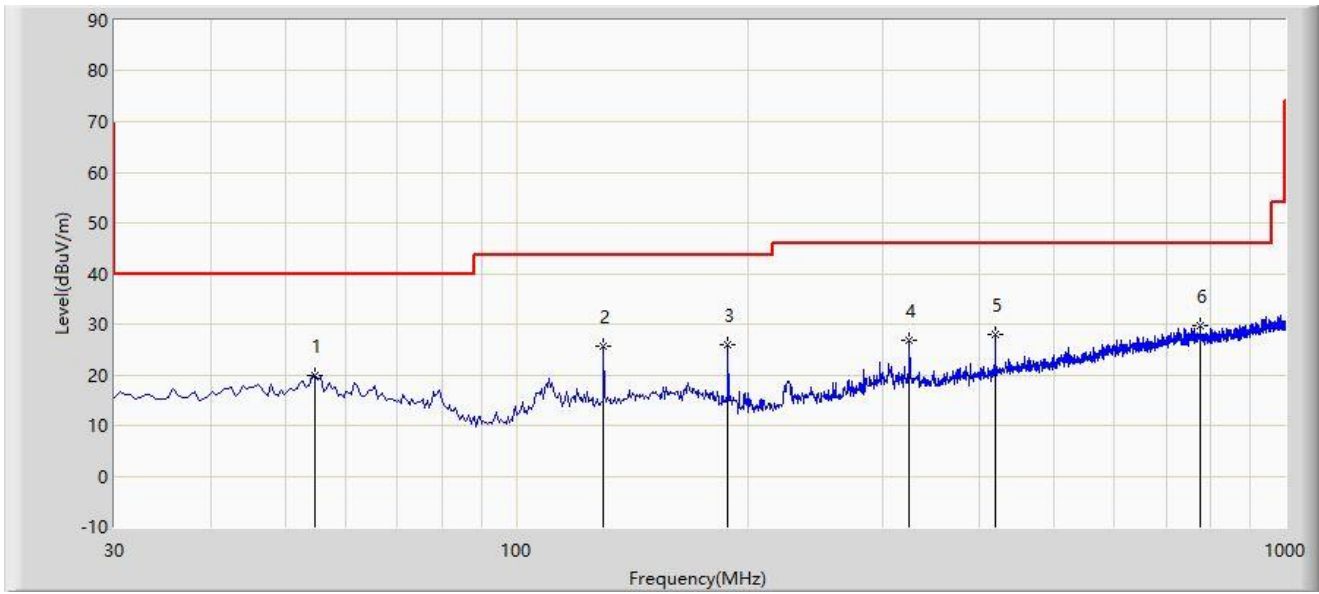
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	7698.0	47.2	-5.4	41.8	74.0	-32.2	Peak	Horizontal
	8429.0	47.5	-5.0	42.5	74.0	-31.5	Peak	Horizontal
	12339.0	45.9	-2.3	43.6	74.0	-30.4	Peak	Horizontal
	4808.0	53.4	-9.7	43.7	74.0	-30.3	Peak	Vertical
	8242.0	48.2	-5.0	43.2	74.0	-30.8	Peak	Vertical
	11752.5	46.2	-3.0	43.2	74.0	-30.8	Peak	Vertical
19	4876.0	52.1	-9.6	42.5	74.0	-31.5	Peak	Horizontal
	7630.0	49.2	-5.9	43.3	74.0	-30.7	Peak	Horizontal
	10979.0	46.4	-3.3	43.1	74.0	-30.9	Peak	Horizontal
	4876.0	53.7	-9.6	44.1	74.0	-29.9	Peak	Vertical
	8284.5	48.0	-5.1	42.9	74.0	-31.1	Peak	Vertical
	11701.5	47.6	-2.7	44.9	74.0	-29.1	Peak	Vertical
39	4961.0	51.9	-9.3	42.6	74.0	-31.4	Peak	Horizontal
	8216.5	47.8	-4.9	42.9	74.0	-31.1	Peak	Horizontal
	11123.5	47.3	-3.3	44.0	74.0	-30.0	Peak	Horizontal
	4961.0	52.4	-9.3	43.1	74.0	-30.9	Peak	Vertical
	8361.0	47.9	-5.2	42.7	74.0	-31.3	Peak	Vertical
	11208.5	47.2	-3.3	43.9	74.0	-30.1	Peak	Vertical

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

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

The Result of Radiated Emission below 1GHz:

Site: SIP-AC2	Test Date: 2022-07-23
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Mero ZHou
Probe: VULB 9168_00999_25-2000MHz	Polarity: Horizontal
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-1Mbps at 2402MHz	



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		54.735	19.858	1.525	-20.142	40.000	18.333	PK
2		129.910	25.590	9.120	-17.910	43.500	16.470	PK
3		188.595	25.928	10.140	-17.572	43.500	15.788	PK
4		324.880	26.808	7.422	-19.192	46.000	19.386	PK
5		419.940	28.010	6.504	-17.990	46.000	21.506	PK
6	*	774.475	29.589	0.808	-16.411	46.000	28.781	PK

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).

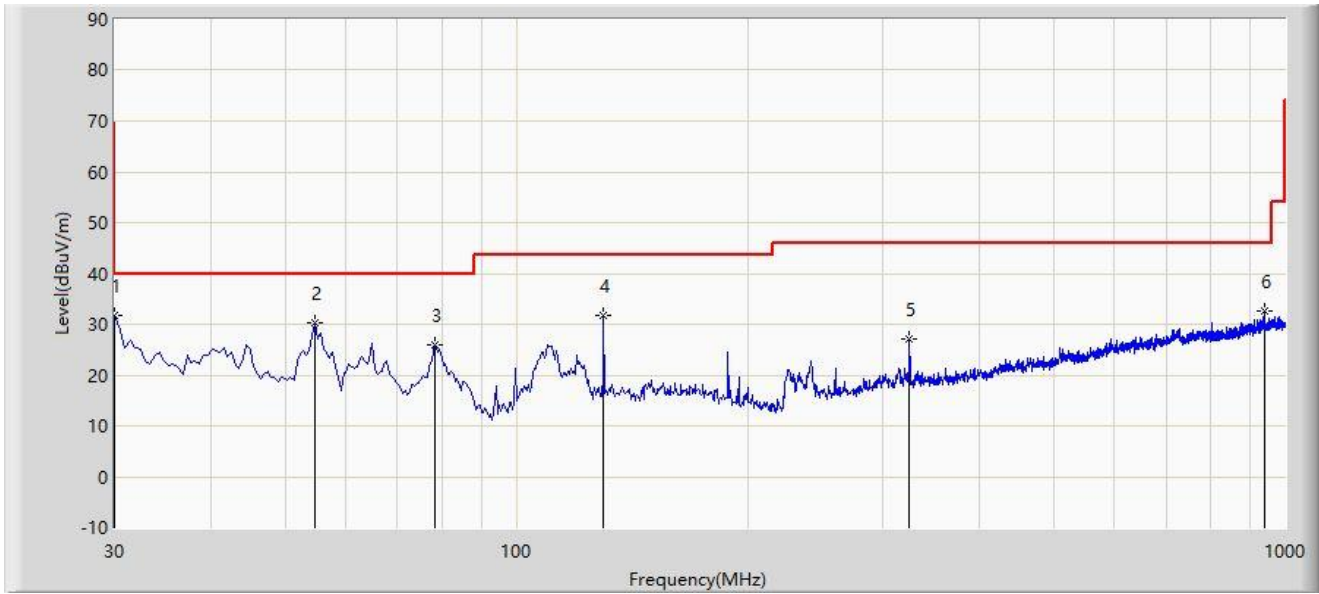
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

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: 2022-07-23
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Mero ZHou
Probe: VULB 9168_00999_25-2000MHz	Polarity: Vertical
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-1Mbps at 2402MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	30.000	31.859	14.926	-8.141	40.000	16.932	PK
2		54.735	30.236	11.903	-9.764	40.000	18.333	PK
3		78.500	26.025	11.150	-13.975	40.000	14.874	PK
4		129.910	31.756	15.286	-11.744	43.500	16.470	PK
5		324.880	27.083	7.697	-18.917	46.000	19.386	PK
6		940.345	32.544	2.069	-13.456	46.000	30.474	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).

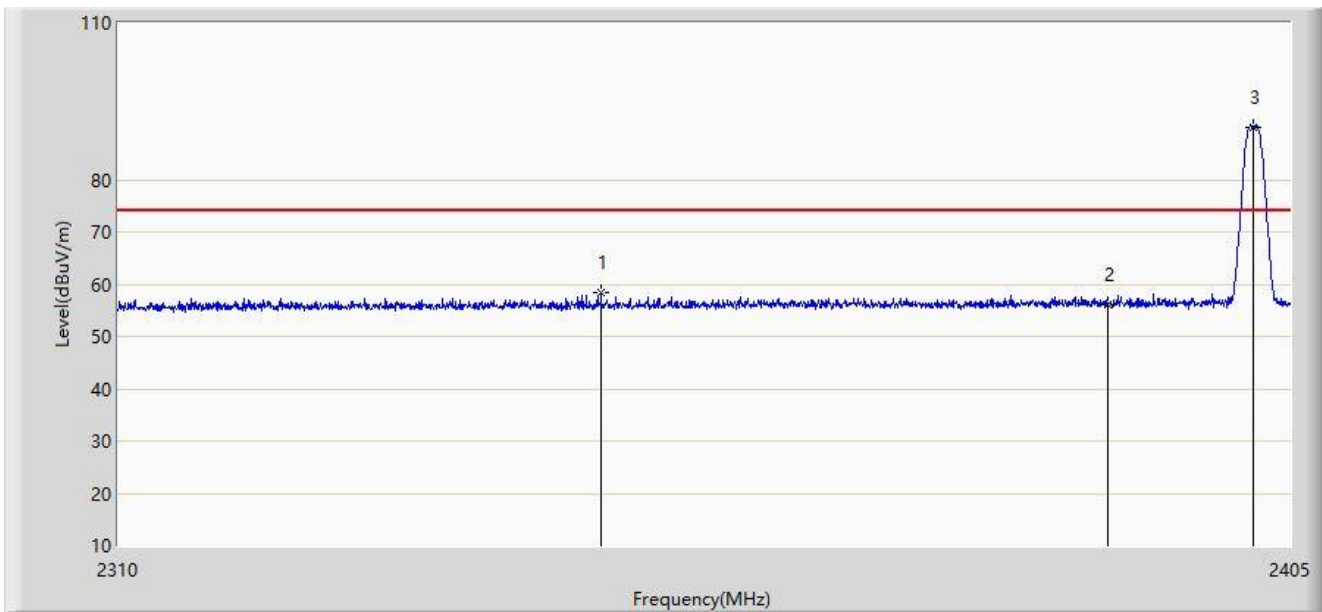
Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

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.

A.7 Radiated Restricted Band Edge Test Result

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-1Mbps at 2402MHz	



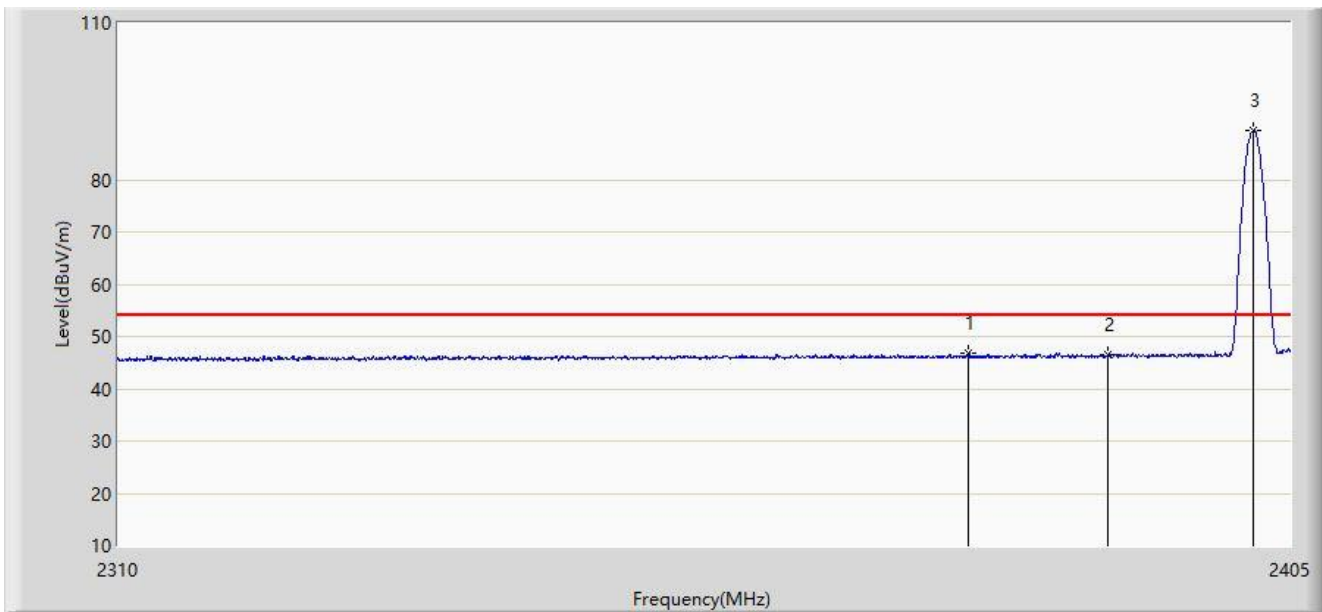
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	2348.712	58.452	26.627	-15.548	74.000	31.825	PK
2		2390.000	56.163	24.224	-17.837	74.000	31.939	PK
3		2401.913	90.098	58.077	N/A	N/A	32.022	PK

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-1Mbps at 2402MHz	



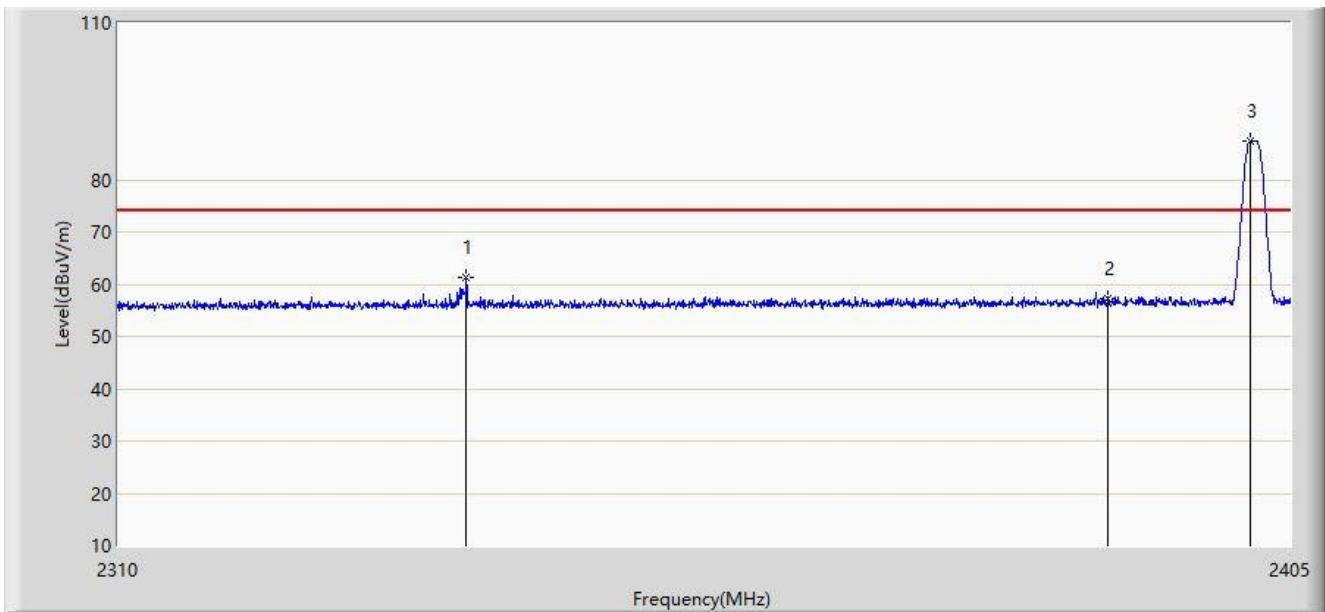
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	2378.590	46.852	14.982	-7.148	54.000	31.870	AV
2		2390.000	46.389	14.450	-7.611	54.000	31.939	AV
3		2401.960	89.500	57.478	N/A	N/A	32.022	AV

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-1Mbps at 2402MHz	



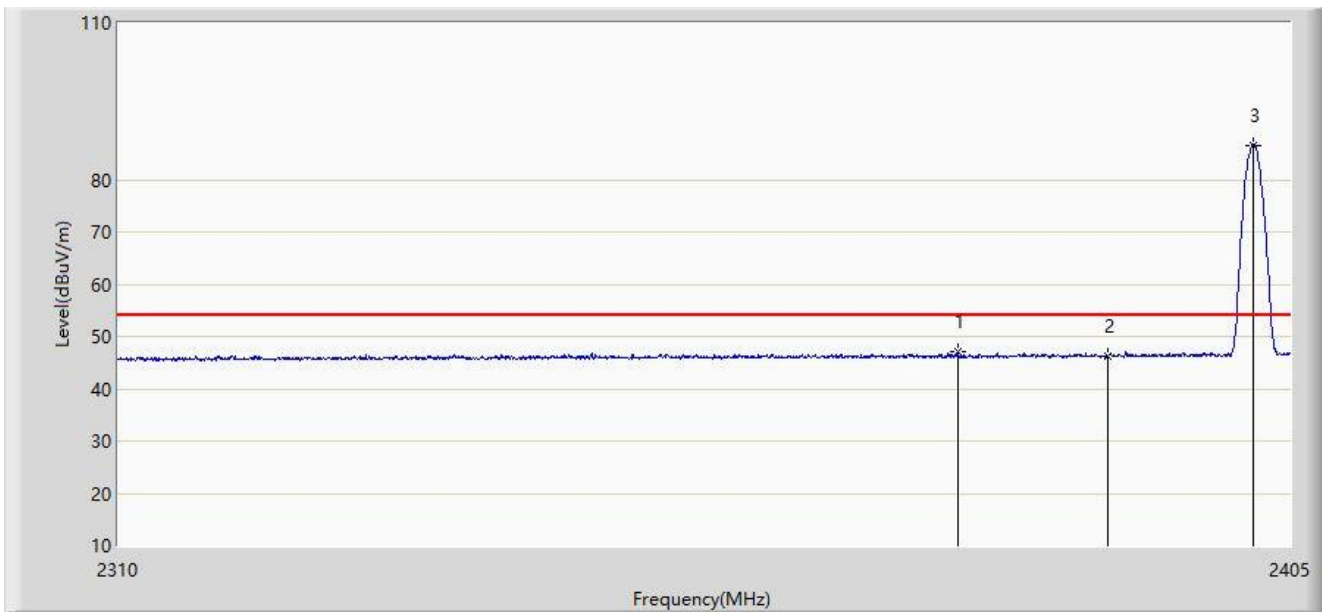
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	2337.835	61.423	29.626	-12.577	74.000	31.797	PK
2		2390.000	57.300	25.361	-16.700	74.000	31.939	PK
3		2401.722	87.534	55.514	N/A	N/A	32.020	PK

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-1Mbps at 2402MHz	



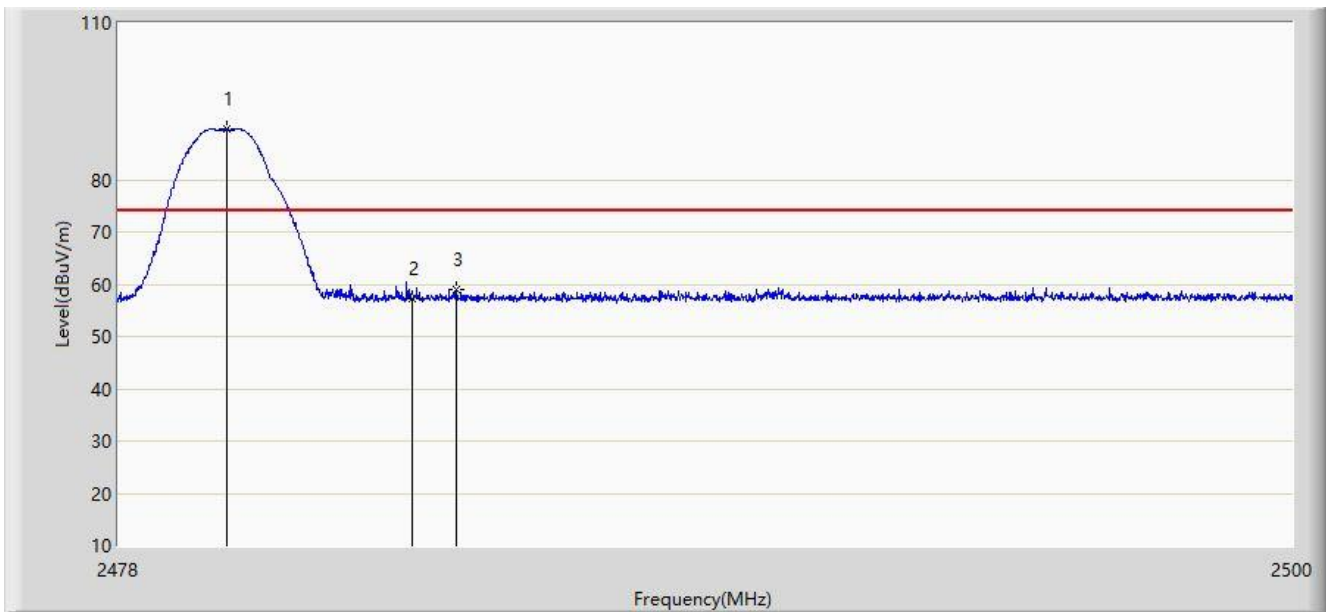
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	2377.687	47.045	15.180	-6.955	54.000	31.865	AV
2		2390.000	46.226	14.287	-7.774	54.000	31.939	AV
3		2401.913	86.593	54.572	N/A	N/A	32.022	AV

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-1Mbps at 2480MHz	



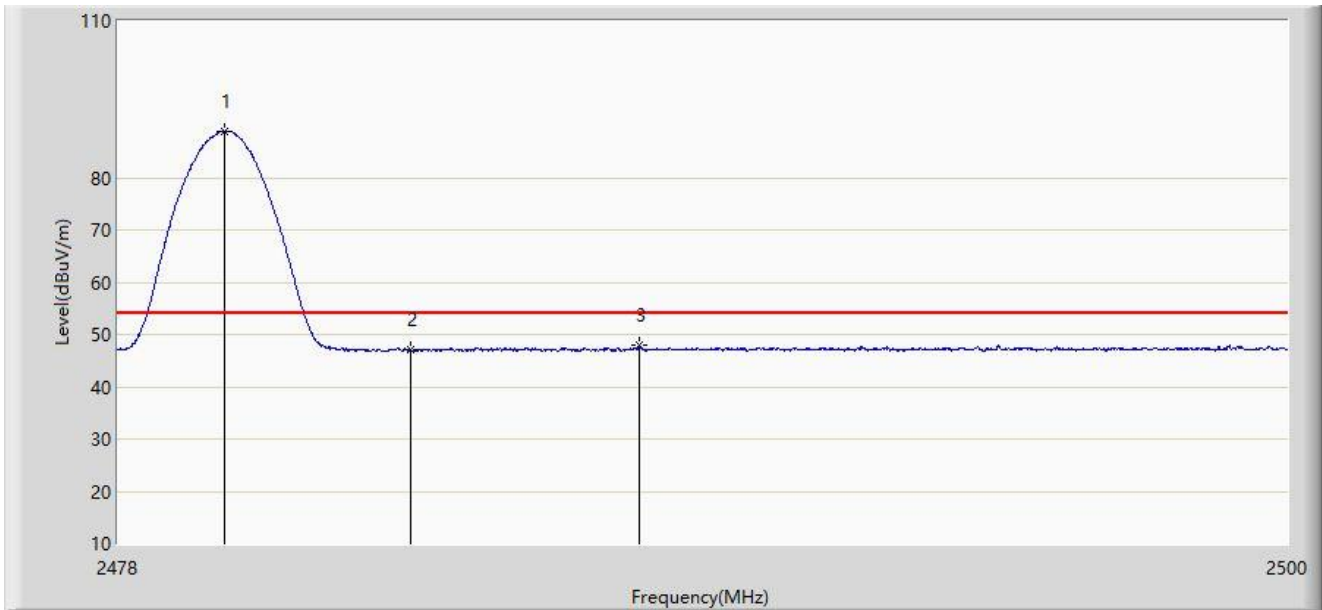
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		2480.035	89.663	57.365	N/A	N/A	32.297	PK
2		2483.500	57.102	24.787	-16.898	74.000	32.315	PK
3	*	2484.314	59.002	26.683	-14.998	74.000	32.320	PK

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-1Mbps at 2480MHz	



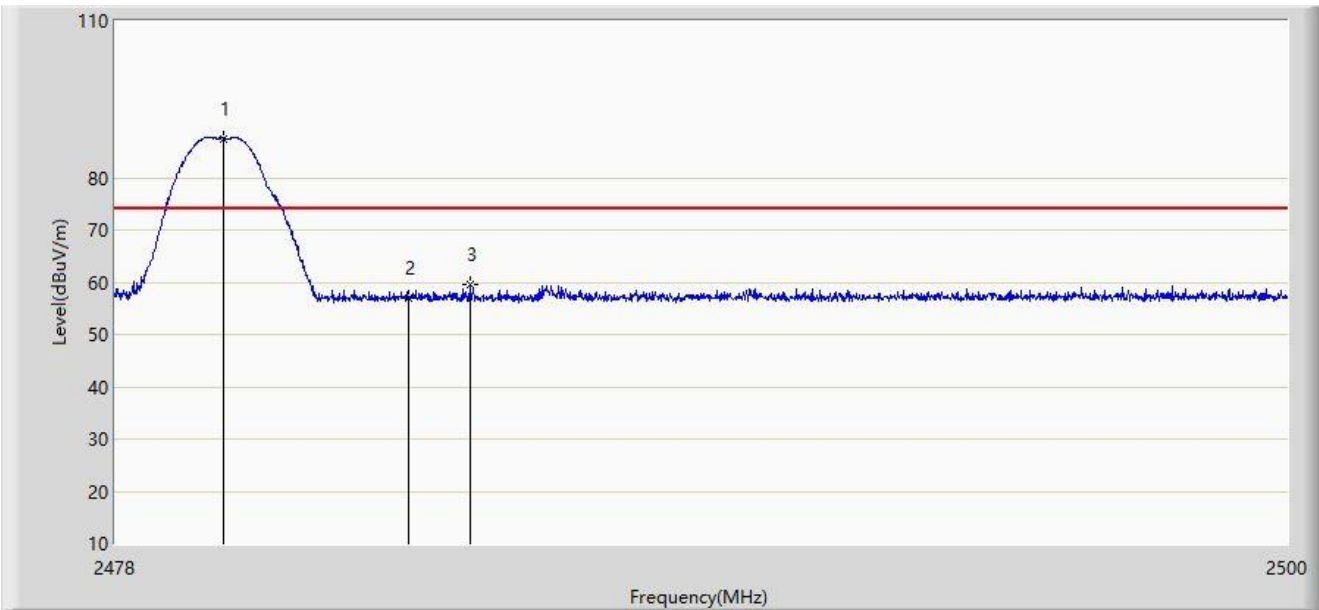
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		2480.002	88.920	56.622	N/A	N/A	32.297	AV
2		2483.500	47.036	14.721	-6.964	54.000	32.315	AV
3	*	2487.779	47.846	15.509	-6.154	54.000	32.337	AV

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-1Mbps at 2480MHz	



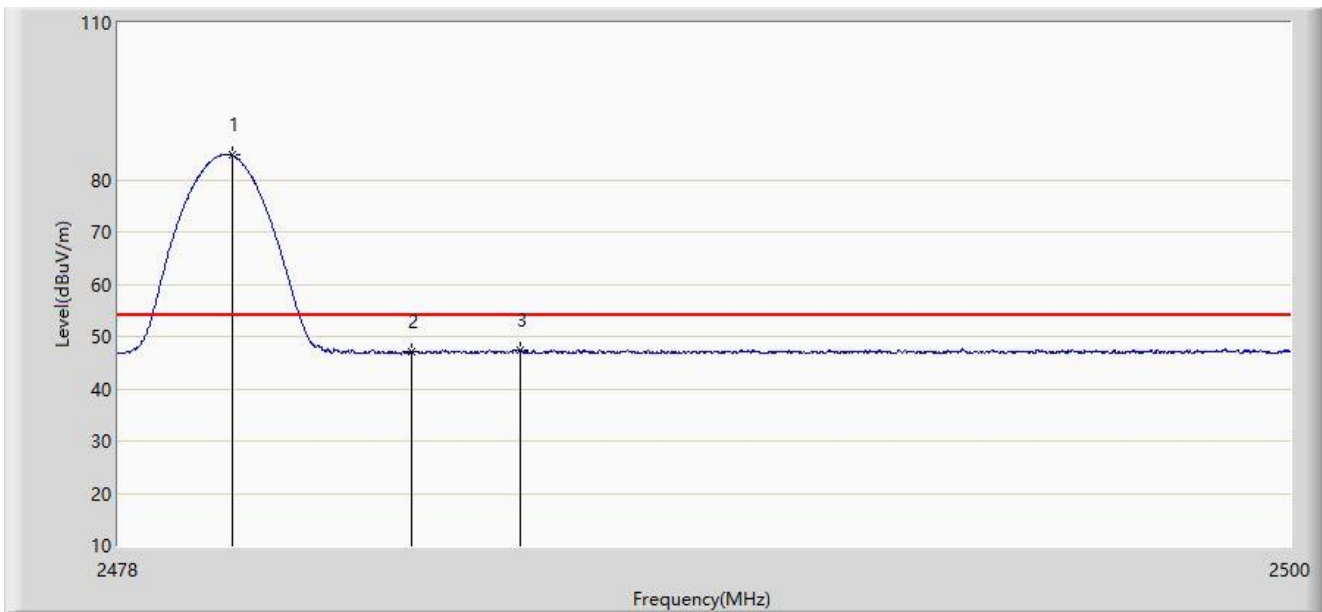
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		2480.035	87.519	55.221	N/A	N/A	32.297	PK
2		2483.500	56.926	24.611	-17.074	74.000	32.315	PK
3	*	2484.644	59.577	27.256	-14.423	74.000	32.321	PK

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-1Mbps at 2480MHz	



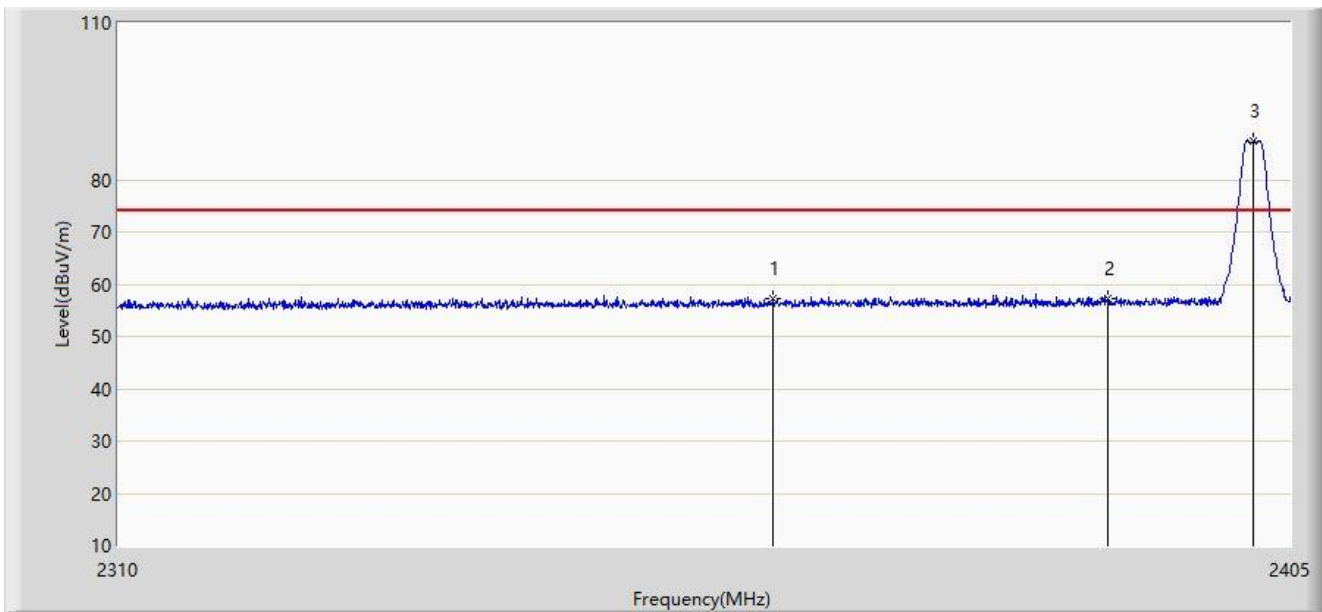
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		2480.134	84.709	52.411	N/A	N/A	32.298	AV
2		2483.500	47.004	14.689	-6.996	54.000	32.315	AV
3	*	2485.524	47.443	15.118	-6.557	54.000	32.325	AV

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-2Mbps at 2402MHz	



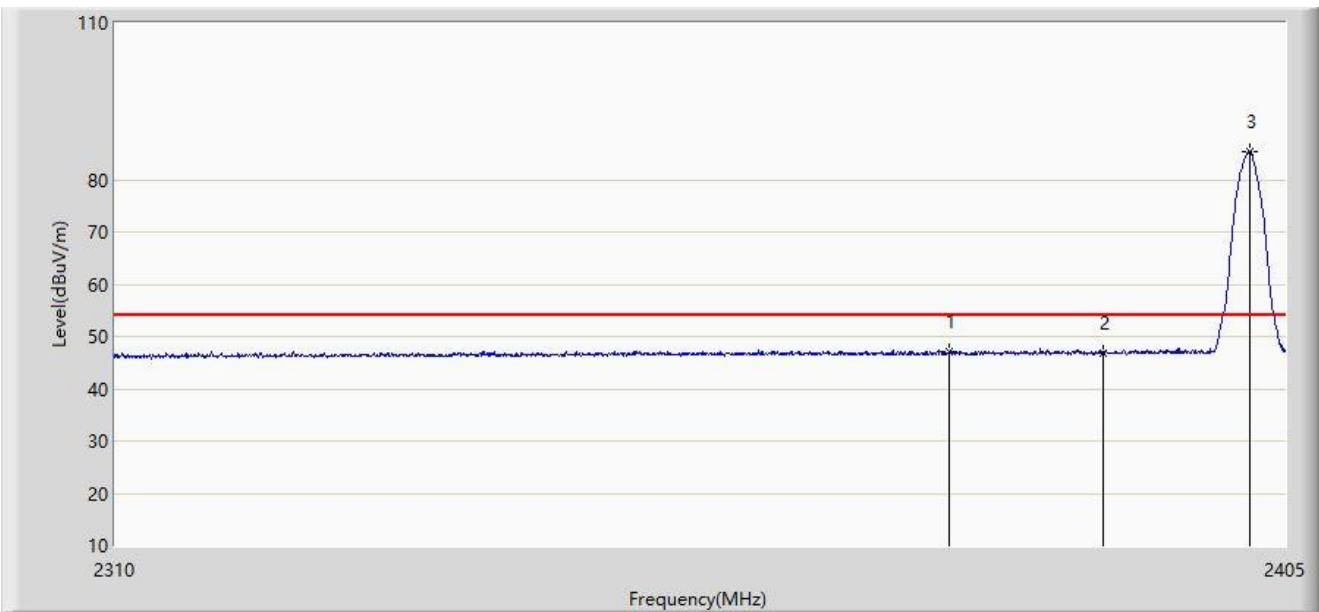
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	2362.677	57.376	25.504	-16.624	74.000	31.872	PK
2		2390.000	57.176	25.237	-16.824	74.000	31.939	PK
3		2401.960	87.504	55.482	N/A	N/A	32.022	PK

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-2Mbps at 2402MHz	



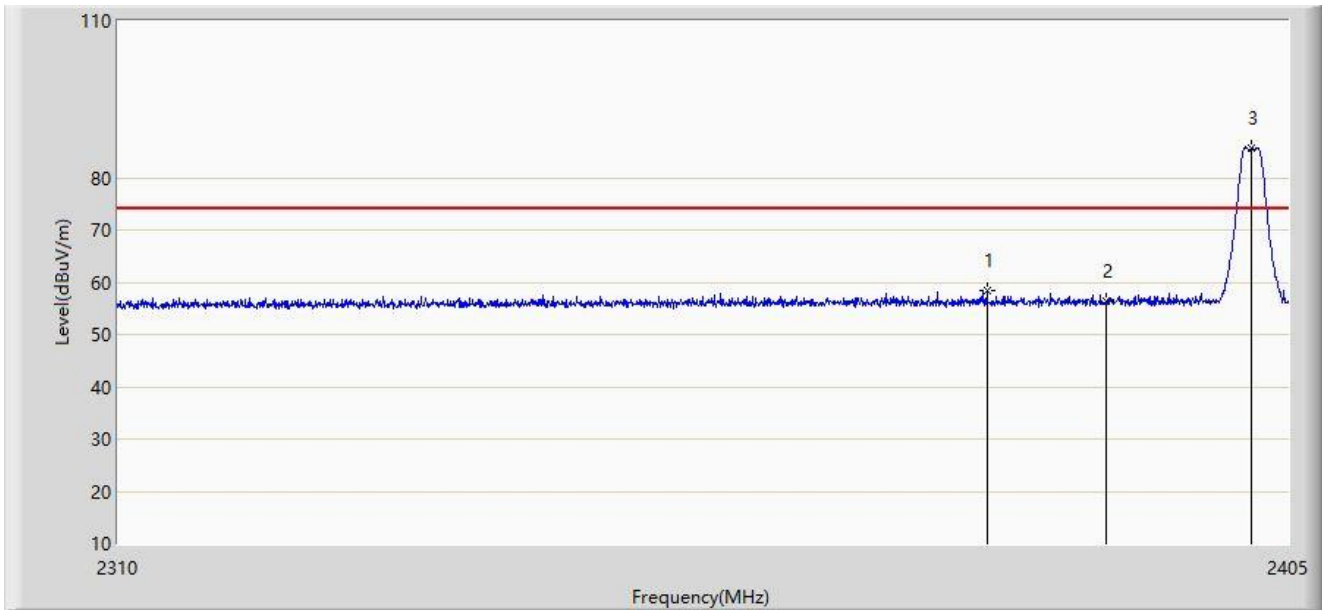
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	2377.403	47.180	15.317	-6.820	54.000	31.863	AV
2		2390.000	46.848	14.909	-7.152	54.000	31.939	AV
3		2402.103	85.332	53.309	N/A	N/A	32.023	AV

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-2Mbps at 2402MHz	



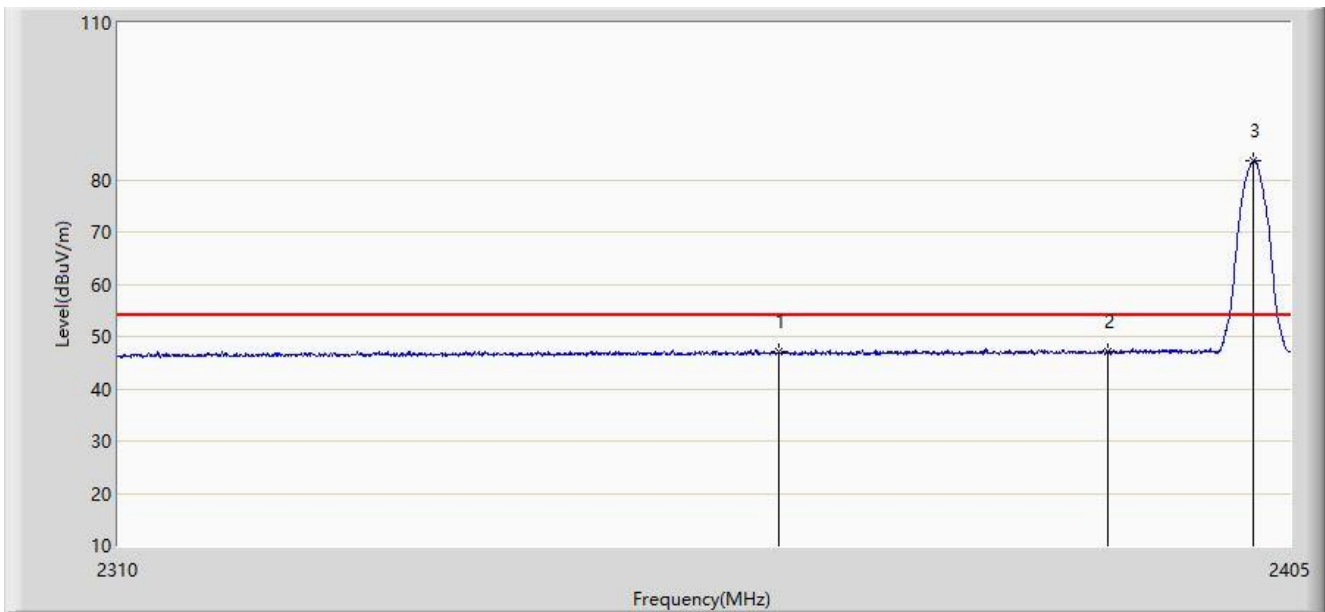
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	2380.205	58.431	26.551	-15.569	74.000	31.880	PK
2		2390.000	56.294	24.355	-17.706	74.000	31.939	PK
3		2401.913	85.686	53.665	N/A	N/A	32.022	PK

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-2Mbps at 2402MHz	



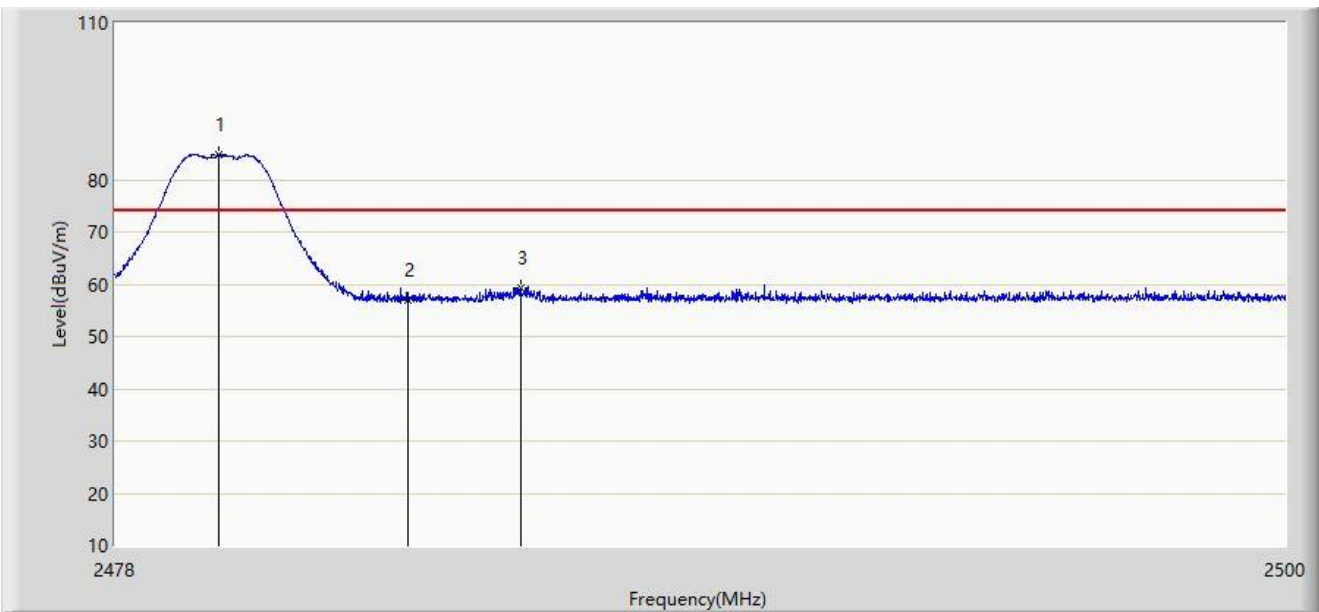
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	2363.105	47.140	15.268	-6.860	54.000	31.871	AV
2		2390.000	47.034	15.095	-6.966	54.000	31.939	AV
3		2401.913	83.479	51.458	N/A	N/A	32.022	AV

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-2Mbps at 2480MHz	



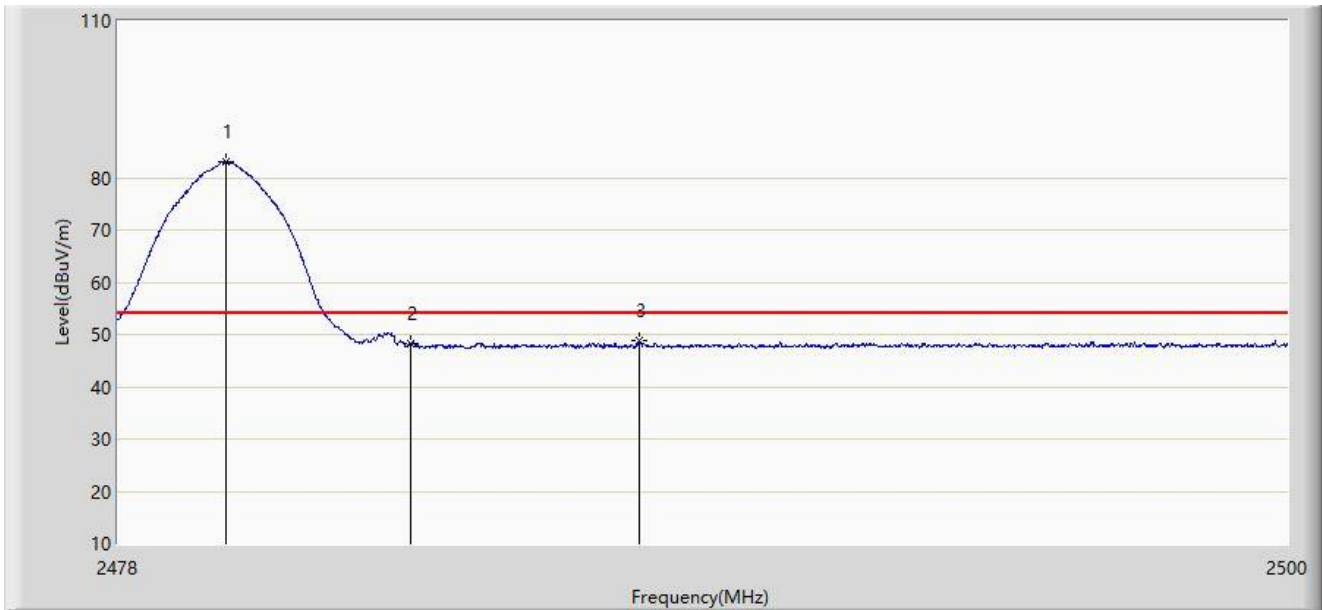
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.936	84.704	52.407	N/A	N/A	32.297	PK
2		2483.500	56.819	24.504	-17.181	74.000	32.315	PK
3	*	2485.601	59.266	26.940	-14.734	74.000	32.326	PK

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-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Horizontal
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-2Mbps at 2480MHz	



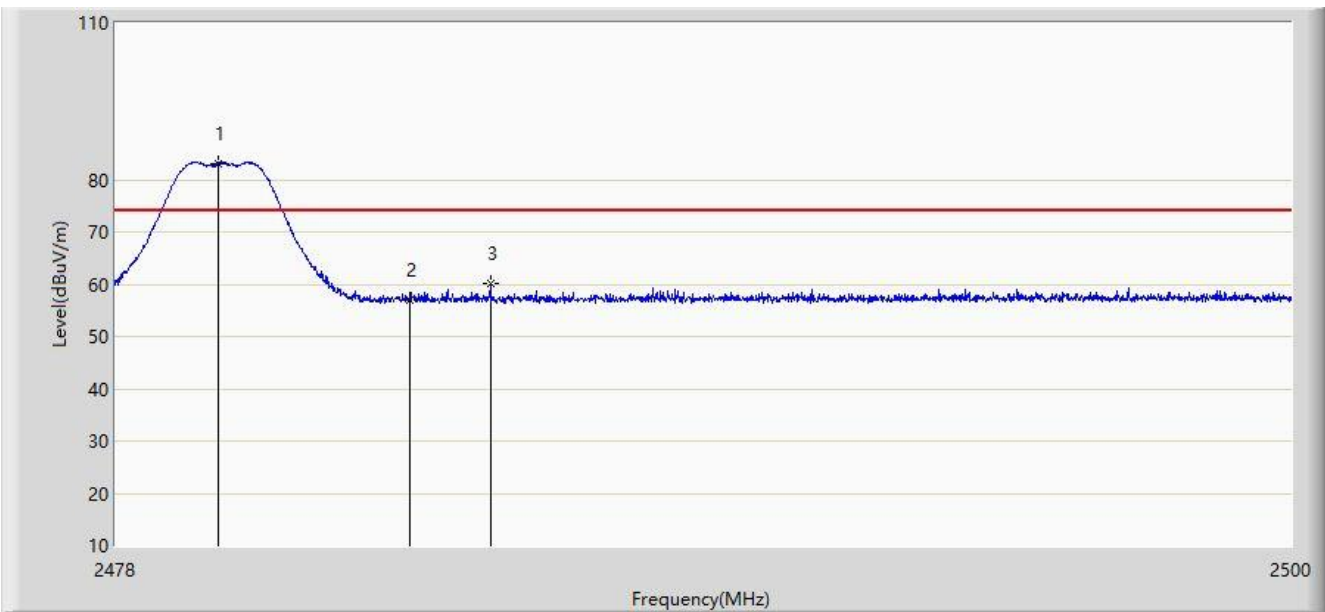
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		2480.035	82.948	50.650	N/A	N/A	32.297	AV
2		2483.500	48.243	15.928	-5.757	54.000	32.315	AV
3	*	2487.779	48.696	16.359	-5.304	54.000	32.337	AV

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-2Mbps at 2480MHz	



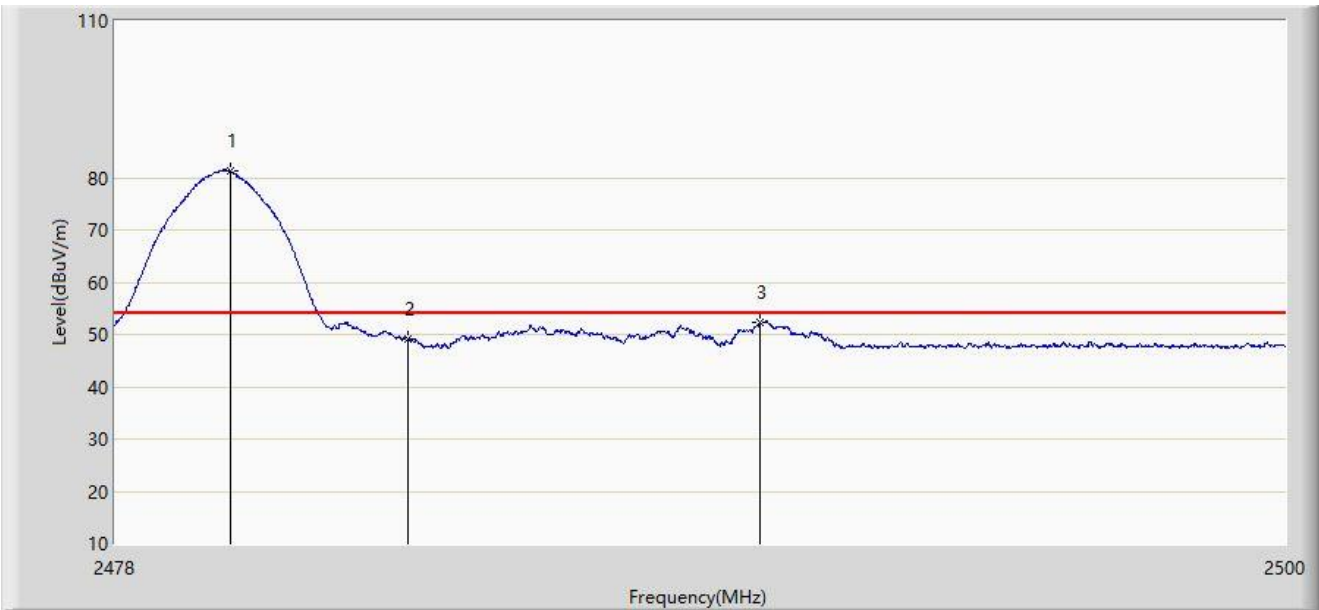
No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1		2479.914	83.171	50.874	N/A	N/A	32.297	PK
2		2483.500	57.096	24.781	-16.904	74.000	32.315	PK
3	*	2484.996	60.099	27.776	-13.901	74.000	32.323	PK

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).

Site: SIP-AC3	Test Date: 2022/08/03
Limit: FCC_Part15_15.209_RE(3m)	Engineer: Arvin
Probe: HF907_102861_1-18GHz	Polarity: Vertical
EUT: Ninebot KickScooter	Power: By Battery
Test Mode: Transmit by BLE-2Mbps 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		2480.167	81.286	48.988	N/A	N/A	32.299	AV
2		2483.500	49.191	16.876	-4.809	54.000	32.315	AV
3	*	2490.111	52.438	20.090	-1.562	54.000	32.349	AV

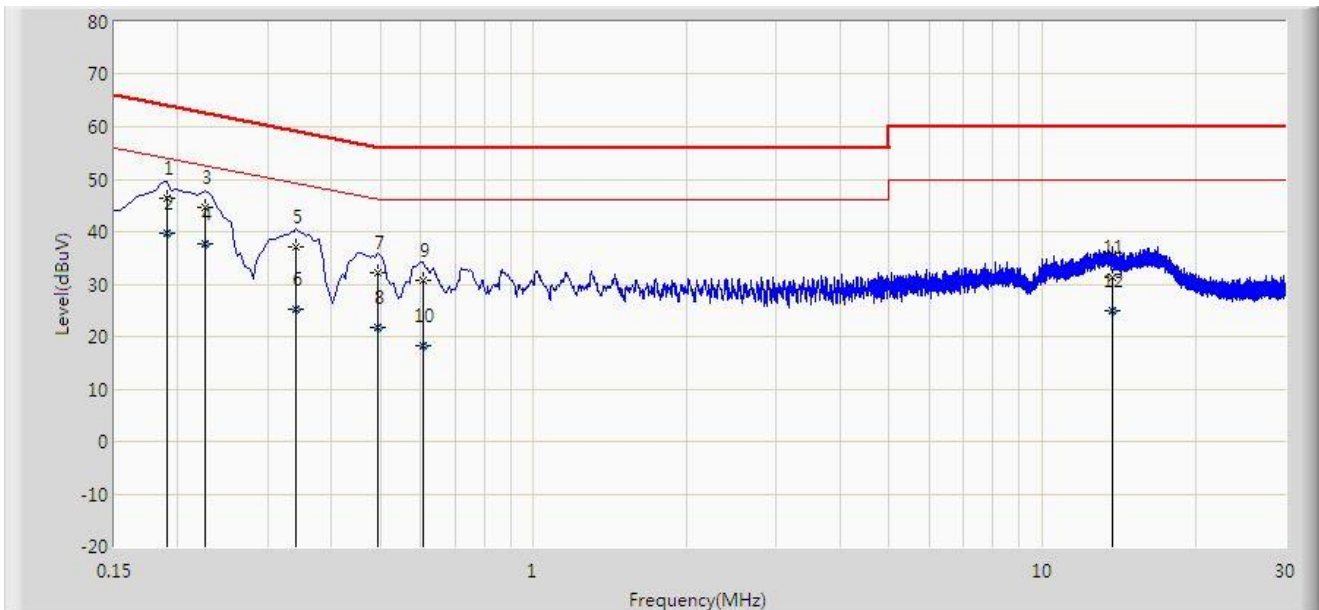
Note 1: " * ", means this data is the worst emission level.

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).

A.8 AC Conducted Emissions Test Result

Site: SIP-SR2	Test Date: 2022/07/26 - 13:50
Temperature: 29°C	Humidity: 47.2%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Miron Ding
Probe: SIP-SR2-ENV216_101684_C	Polarity: Line
EUT: Ninebot KickScooter	Power: AC 120V/60Hz
Test Mode: Transmit by BLE-1Mbps at 2402MHz	



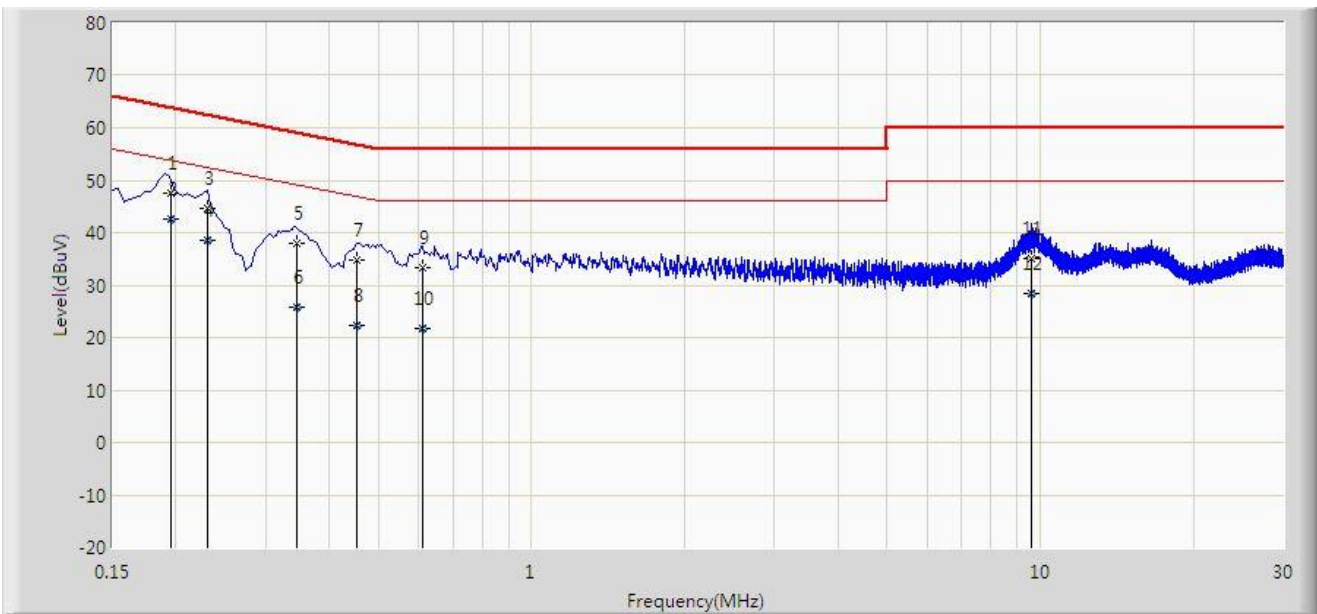
No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.190	46.376	36.721	-17.660	64.037	9.656	QP
2	*	0.190	39.726	30.071	-14.310	54.037	9.656	AV
3		0.226	44.557	34.866	-18.038	62.595	9.691	QP
4		0.226	37.684	27.993	-14.912	52.595	9.691	AV
5		0.342	37.162	27.446	-21.993	59.155	9.716	QP
6		0.342	25.317	15.602	-23.837	49.155	9.716	AV
7		0.494	32.169	22.449	-23.931	56.100	9.720	QP
8		0.494	21.748	12.028	-24.353	46.100	9.720	AV
9		0.606	30.761	21.041	-25.239	56.000	9.720	QP
10		0.606	18.195	8.475	-27.805	46.000	9.720	AV
11		13.706	31.204	21.067	-28.796	60.000	10.137	QP
12		13.706	25.006	14.869	-24.994	50.000	10.137	AV

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

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

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: SIP-SR2	Test Date: 2022/07/26 - 13:57
Temperature: 29°C	Humidity: 47.2%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Miron Ding
Probe: SIP-SR2-ENV216_101684_C	Polarity: Neutral
EUT: Ninebot KickScooter	Power: AC 120V/60Hz
Test Mode: Transmit by BLE-1Mbps at 2402MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.195	47.631	37.979	-16.186	63.817	9.652	QP
2	*	0.195	42.709	33.057	-11.107	53.817	9.652	AV
3		0.230	44.521	34.837	-17.929	62.450	9.684	QP
4		0.230	38.499	28.815	-13.951	52.450	9.684	AV
5		0.346	38.053	28.349	-21.005	59.058	9.704	QP
6		0.346	25.865	16.160	-23.193	49.058	9.704	AV
7		0.454	34.833	25.123	-21.968	56.802	9.710	QP
8		0.454	22.281	12.571	-24.521	46.802	9.710	AV
9		0.610	33.396	23.686	-22.604	56.000	9.710	QP
10		0.610	21.879	12.169	-24.121	46.000	9.710	AV
11		9.586	35.133	25.110	-24.867	60.000	10.023	QP
12		9.586	28.308	18.285	-21.692	50.000	10.023	AV

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

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

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Appendix B - Test Setup Photograph

Refer to "2207RSU002-UT" file.

Appendix C - EUT Photograph

Refer to "2207RSU002-UE" file.

_____ The End _____