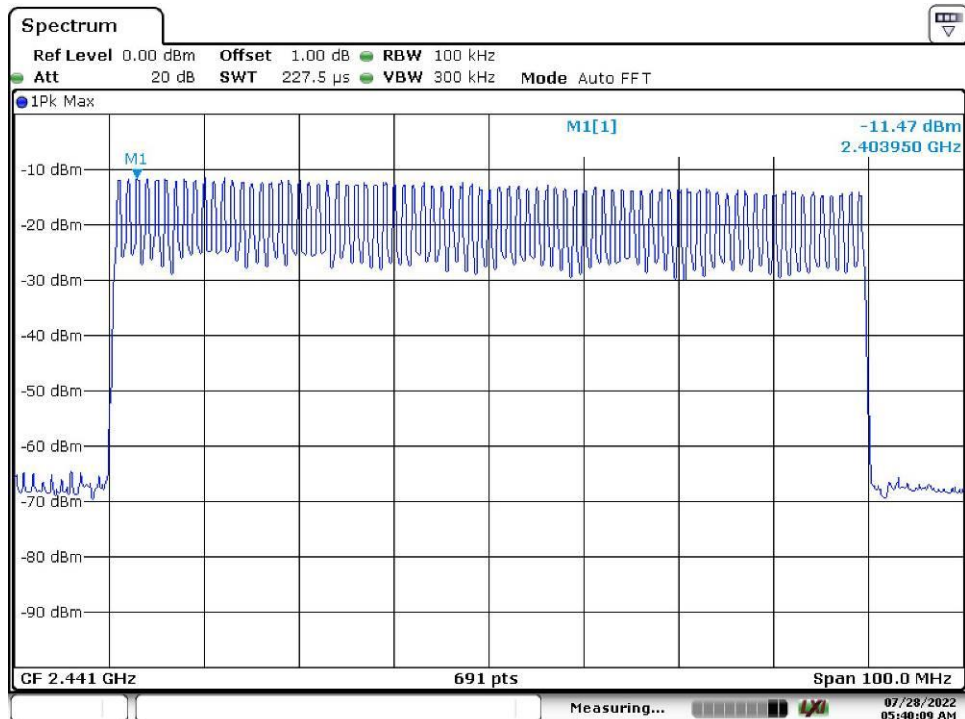
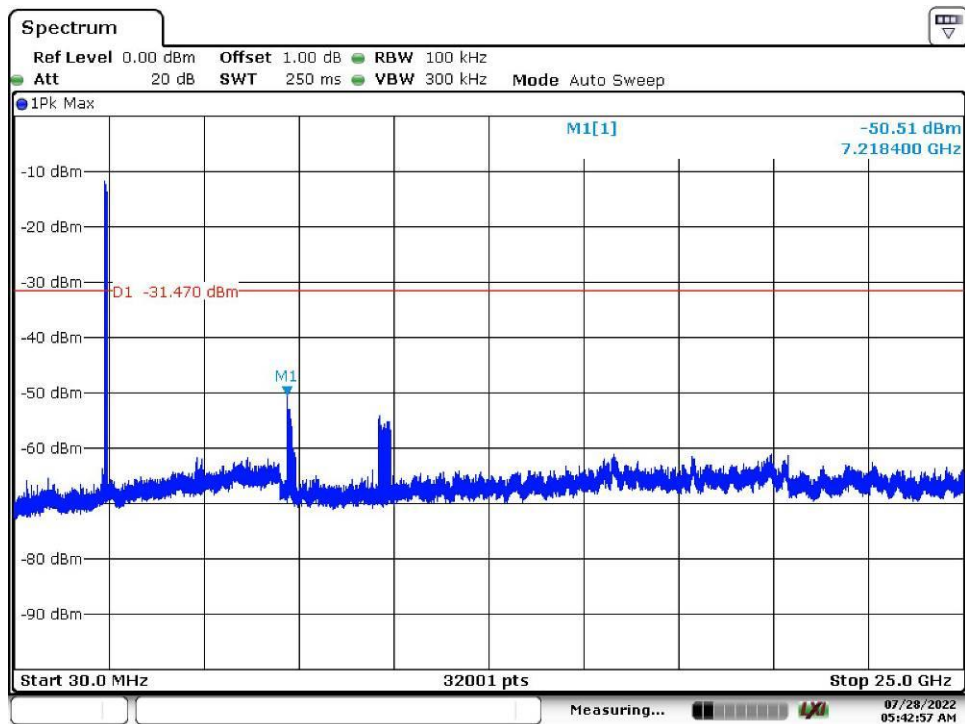


Hopping Mode

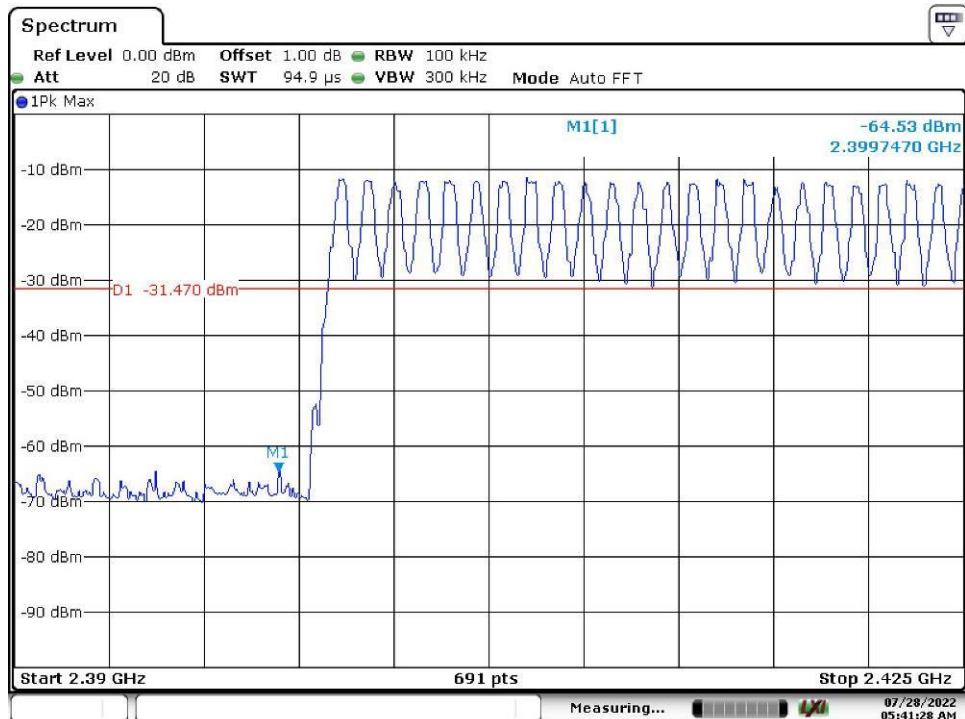


Date: 28.JUL.2022 05:40:09



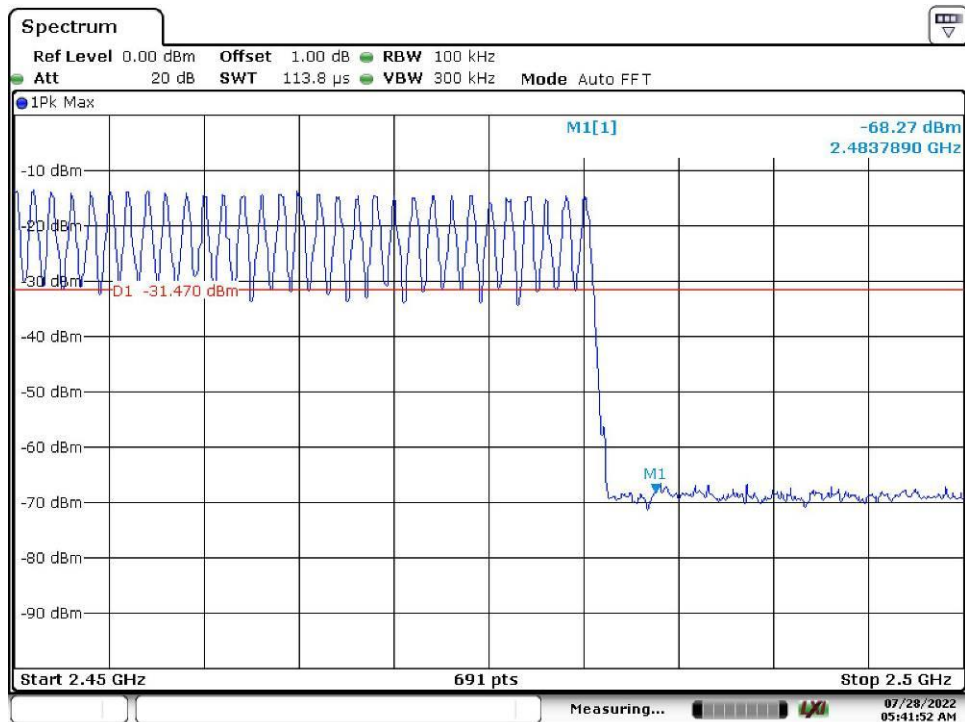
Date: 28.JUL.2022 05:42:58

Band Edge, Hopping Mode, Low Channel



Date: 28.JUL.2022 05:41:29

Band Edge, Hopping Mode, High Channel



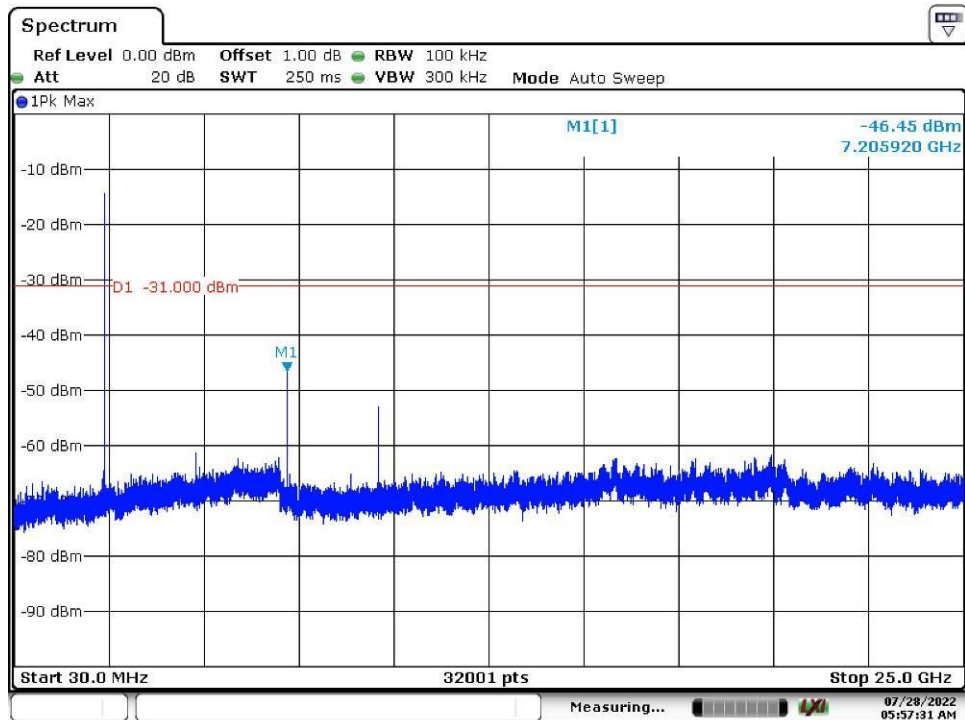
Date: 28.JUL.2022 05:41:52

EDR mode (8DPSK)

Low Channel



Date: 28.JUL.2022 05:56:38

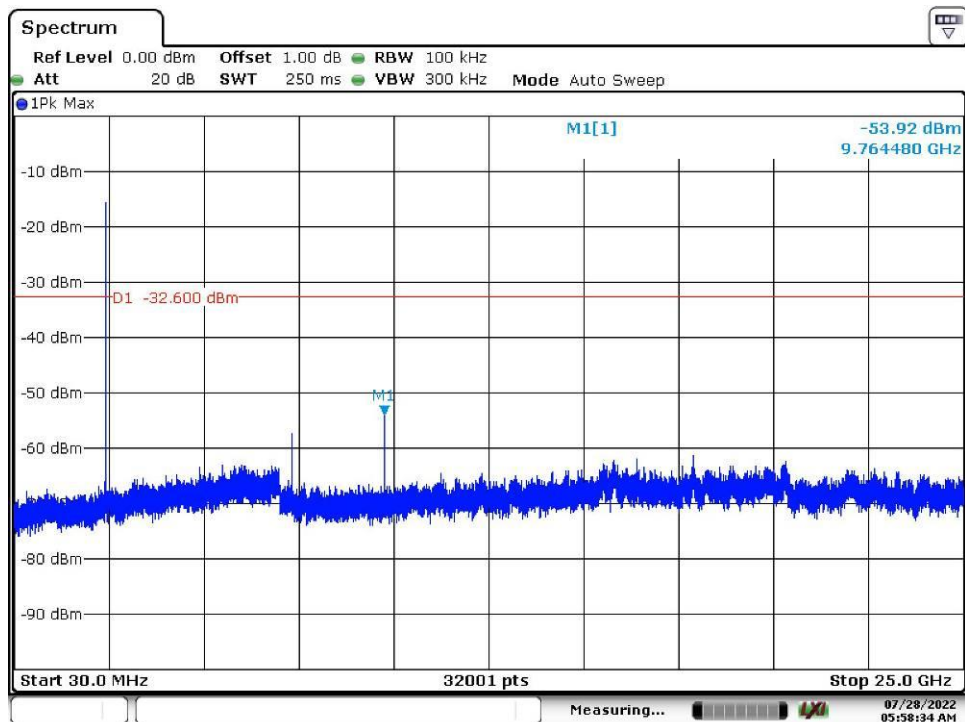


Date: 28.JUL.2022 05:57:31

Middle Channel



Date: 28.JUL.2022 05:58:10

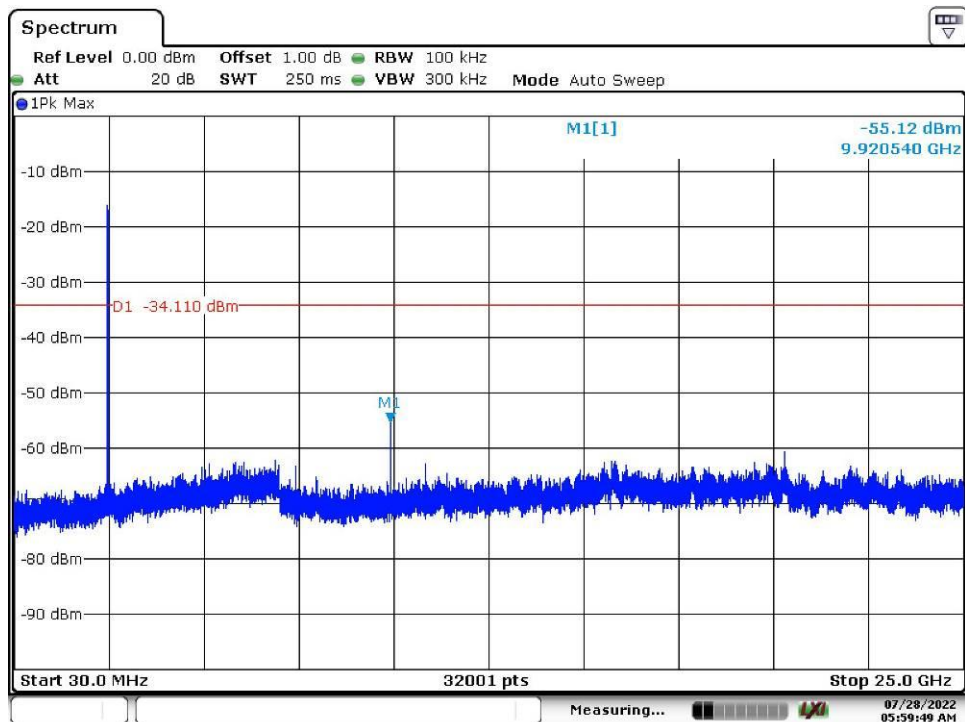


Date: 28.JUL.2022 05:58:34

High Channel

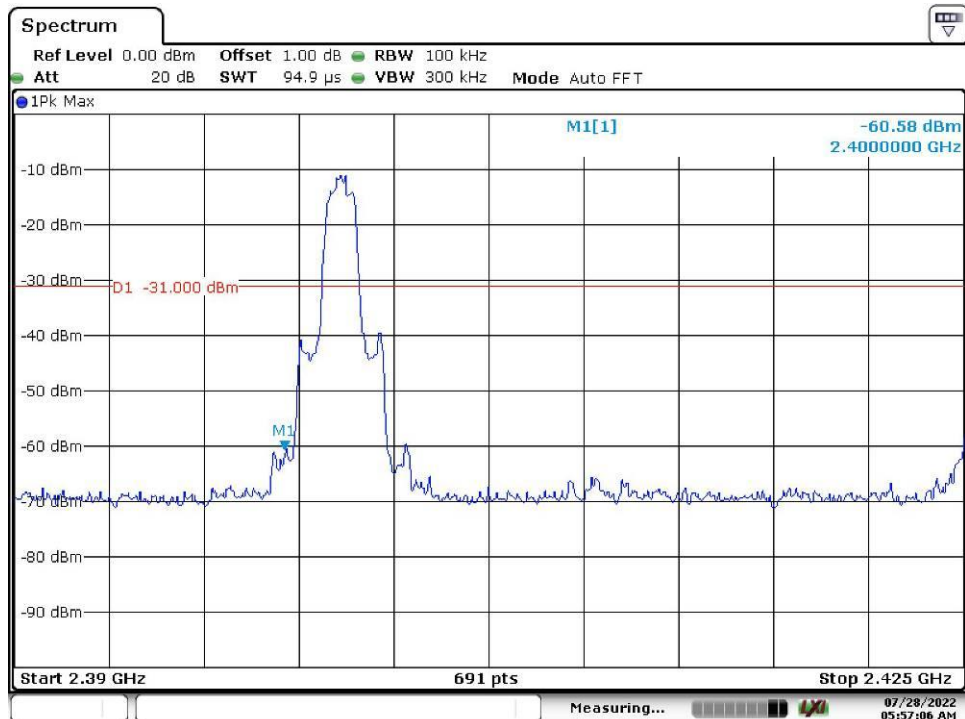


Date: 28.JUL.2022 05:59:05



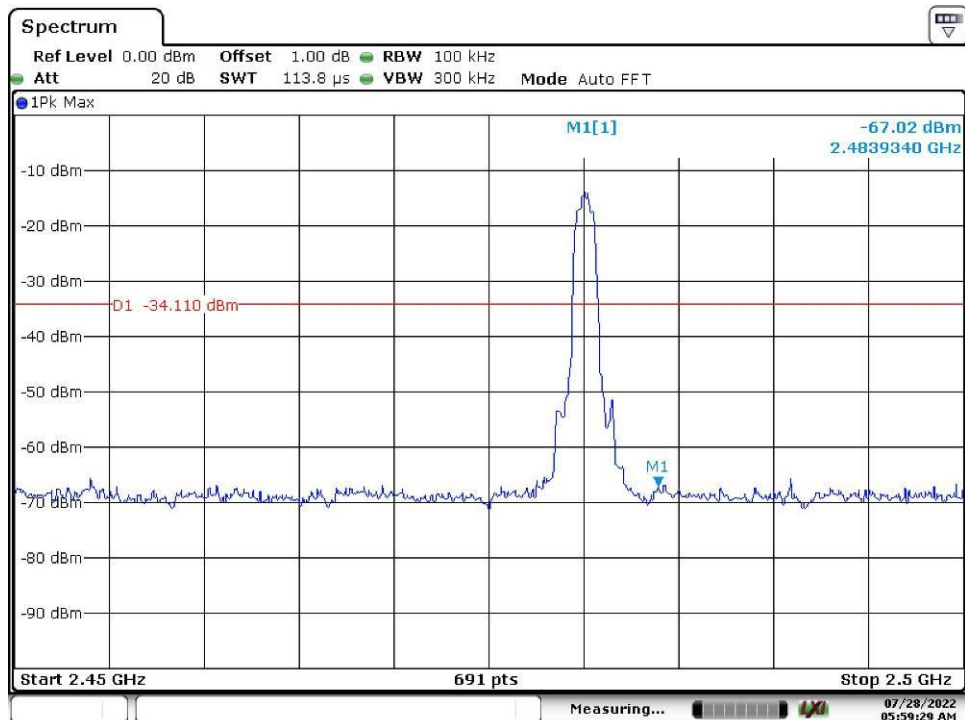
Date: 28.JUL.2022 05:59:49

Band Edge, Low Channel



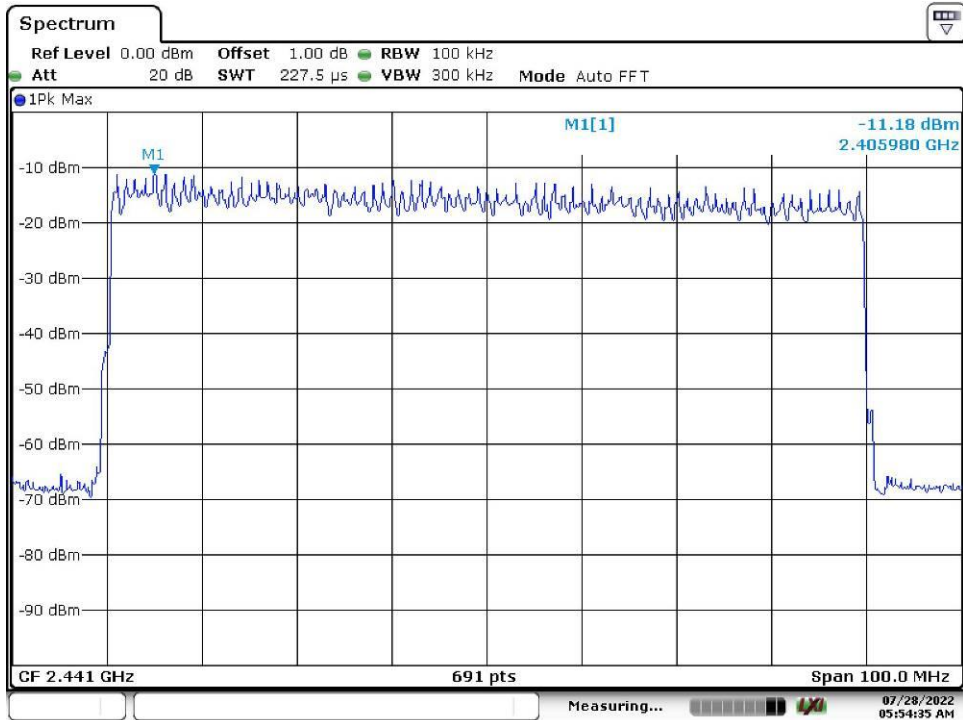
Date: 28.JUL.2022 05:57:07

Band Edge, High Channel

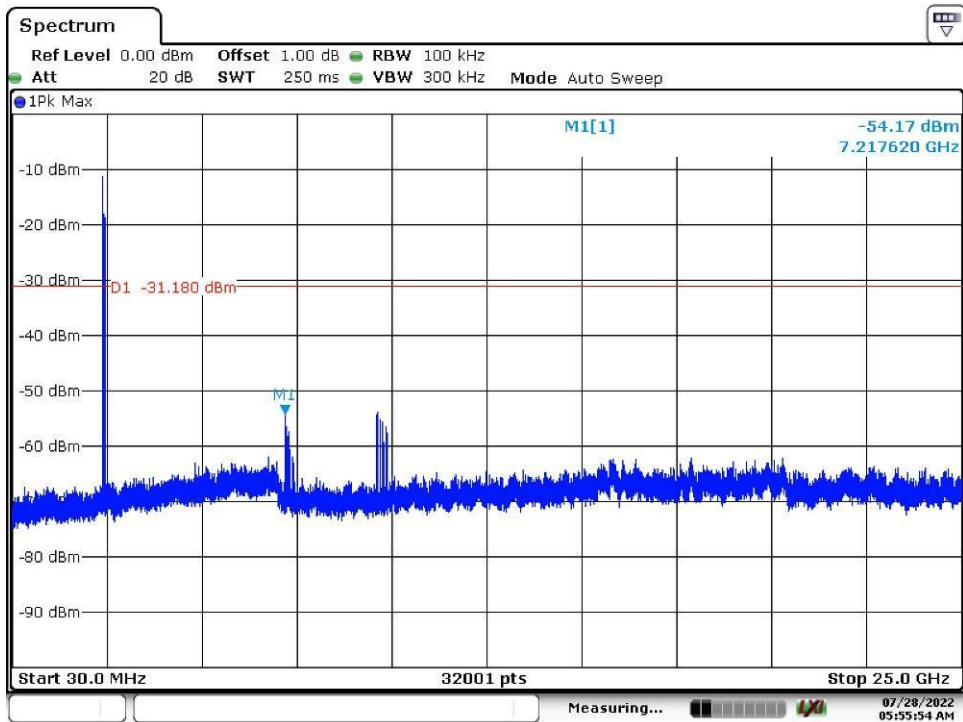


Date: 28.JUL.2022 05:59:30

Hopping Mode

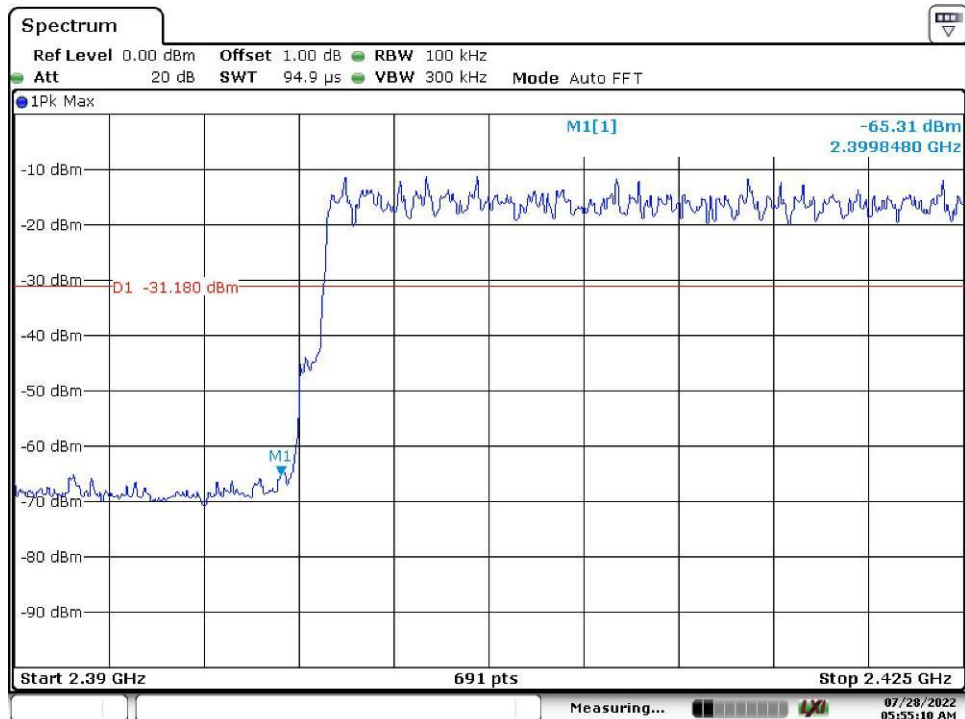


Date: 28.JUL.2022 05:54:35



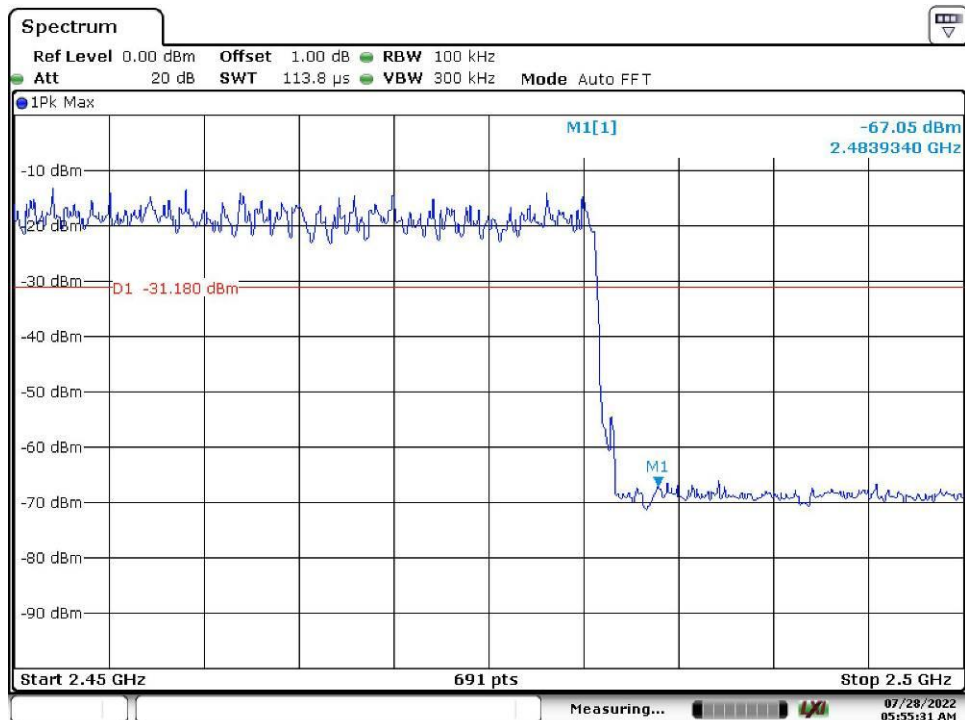
Date: 28.JUL.2022 05:55:54

Band Edge, Hopping Mode, Low Channel



Date: 28.JUL.2022 05:55:10

Band Edge, Hopping Mode, High Channel



Date: 28.JUL.2022 05:55:31



Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

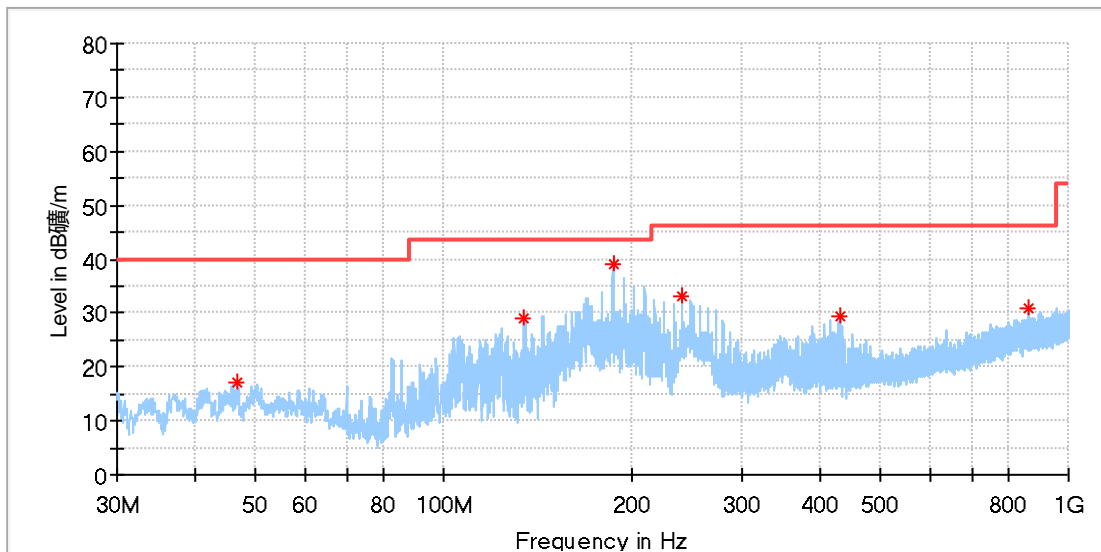
### Appendix B.7: Test Results of Radiated Spurious Emissions

Note: This testing was carried out on different modulations, but only the worst case (GFSK) was presented in this report.

30MHz - 1GHz

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

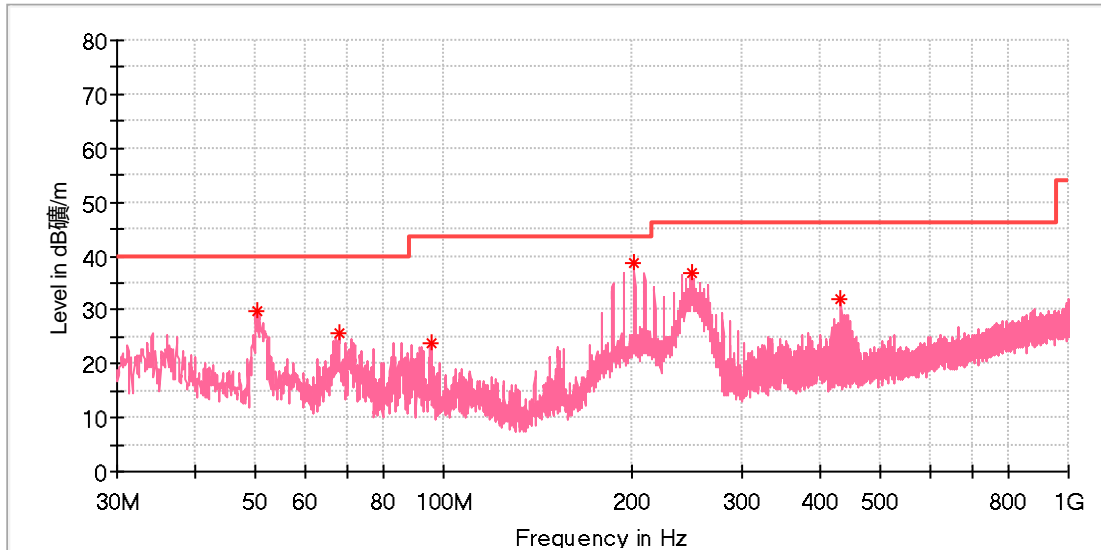


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.878000	17.00	40.00	23.00	100.0	H	294.0	-18.5
134.081000	28.86	43.50	14.64	100.0	H	21.0	-22.0
186.509500	39.21	43.50	4.29	100.0	H	21.0	-19.9
241.023500	33.20	46.00	12.80	100.0	H	30.0	-17.7
431.143500	29.21	46.00	16.79	100.0	H	67.0	-13.3
862.017500	30.95	46.00	15.05	100.0	H	294.0	-5.3

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical Freqs

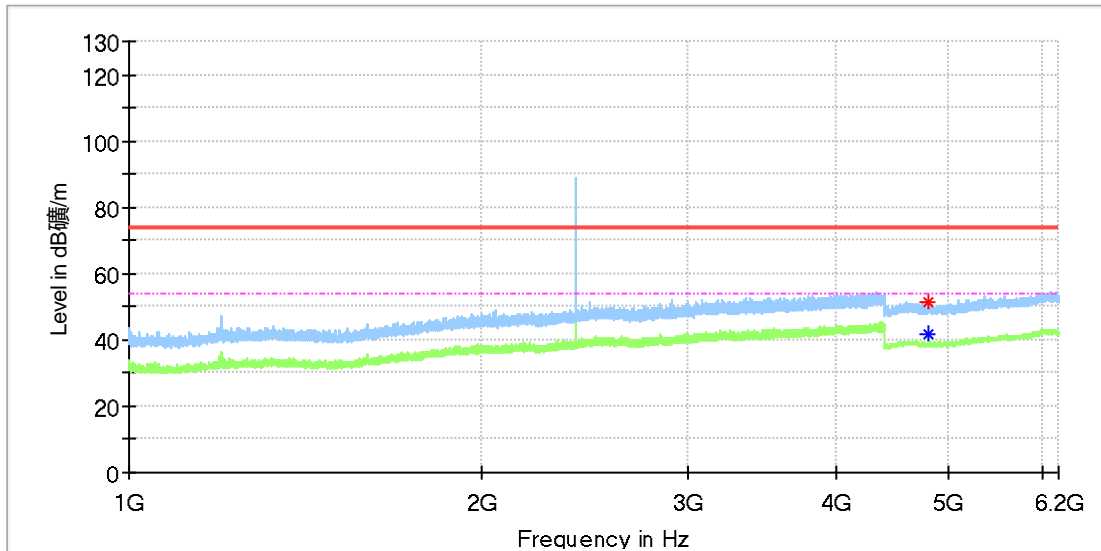
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.370000	29.95	40.00	10.05	100.0	V	6.0	-18.3
68.072500	25.64	40.00	14.36	100.0	V	249.0	-21.2
95.572000	23.93	43.50	19.57	100.0	V	296.0	-19.7
202.029500	38.64	43.50	4.86	100.0	V	106.0	-18.9
248.735000	37.00	46.00	9.00	100.0	V	126.0	-17.4
432.550000	31.92	46.00	14.08	100.0	V	0.0	-13.3

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

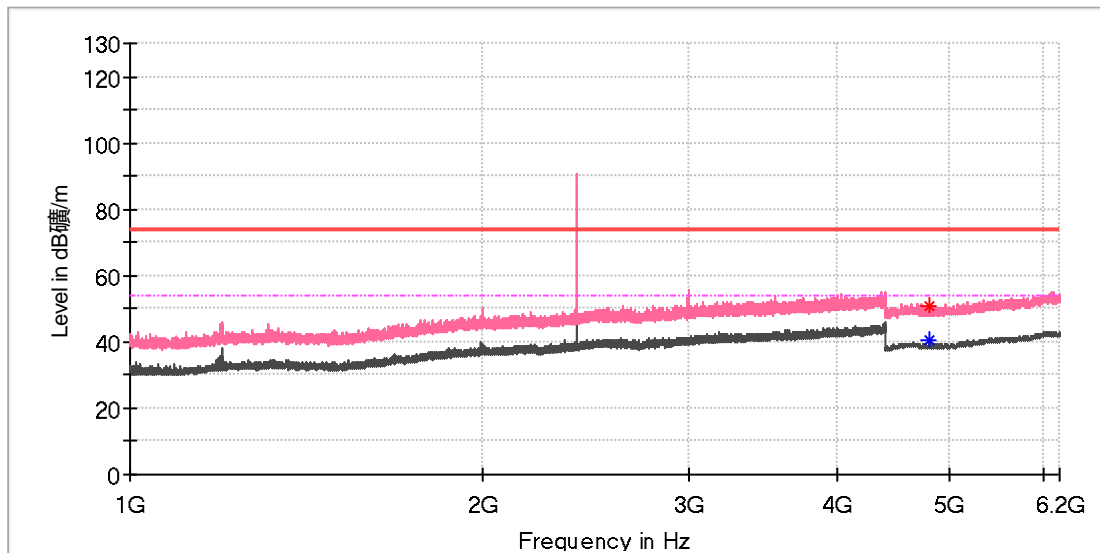


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	41.97	54.00	12.03	150.0	H	197.0	11.8
4811.000000	51.39	---	74.00	22.61	150.0	H	190.0	11.8

## EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

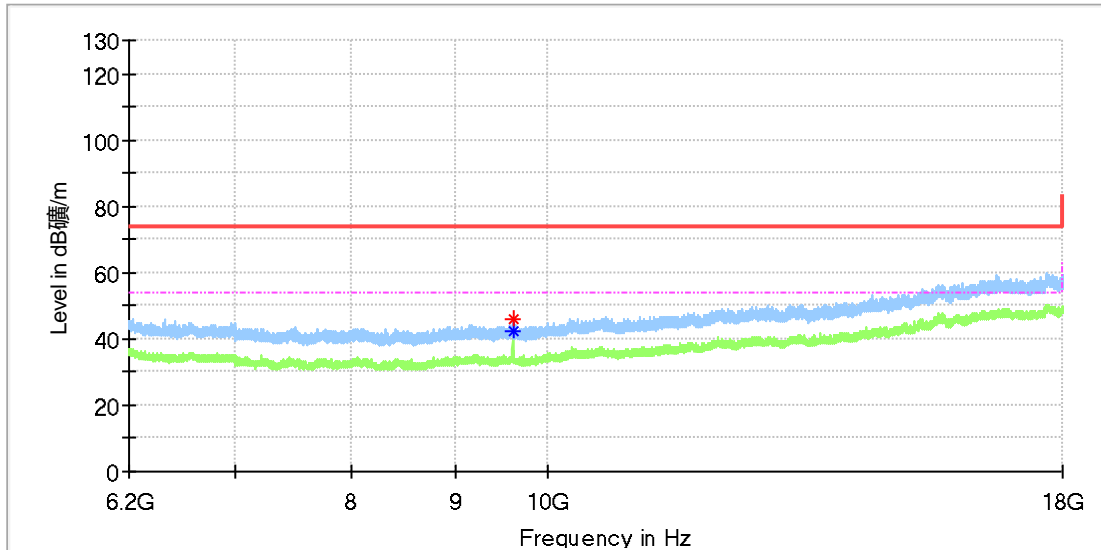


## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	40.34	54.00	13.66	150.0	V	313.0	11.8
4808.000000	50.59	---	74.00	23.41	150.0	V	119.0	11.8

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_Low channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

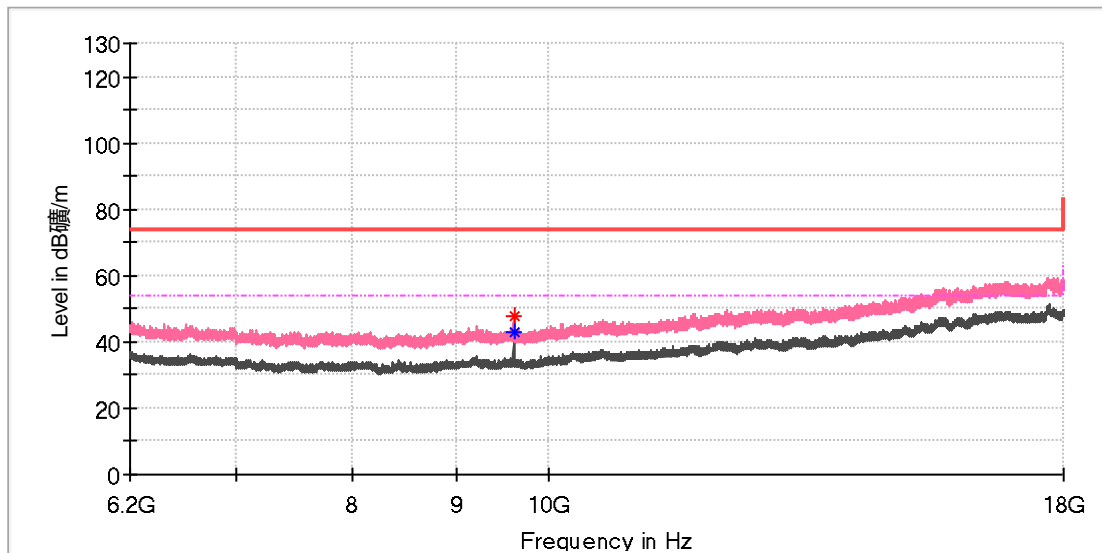


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9608.233333	46.20	---	74.00	27.80	150.0	H	306.0	10.4
9608.233333	---	42.61	54.00	11.39	150.0	H	306.0	10.4

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_Low channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

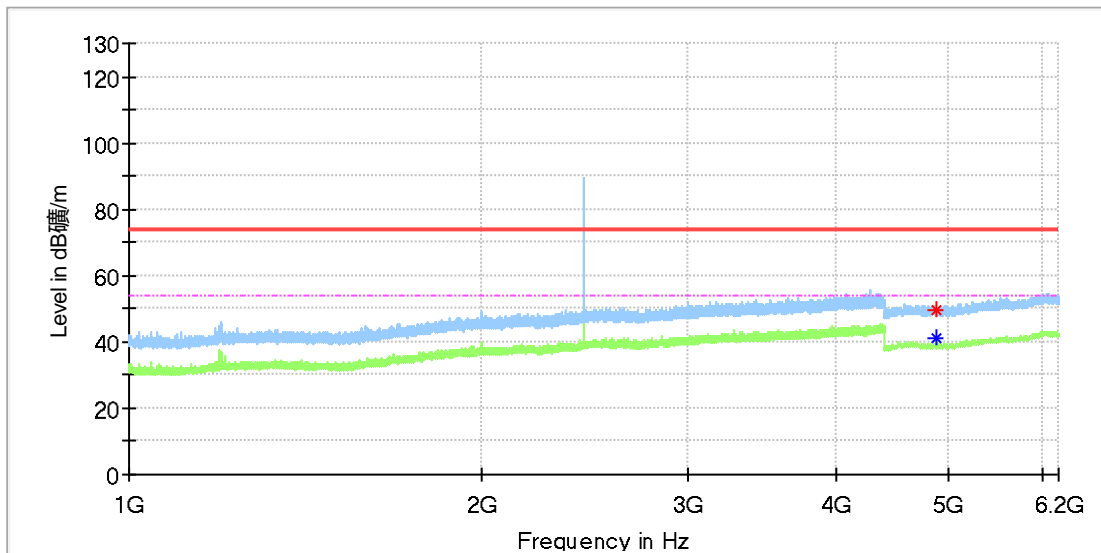


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9608.233333	47.56	---	74.00	26.44	150.0	V	195.0	10.4
9608.233333	---	42.91	54.00	11.09	150.0	V	195.0	10.4

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_Mid channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

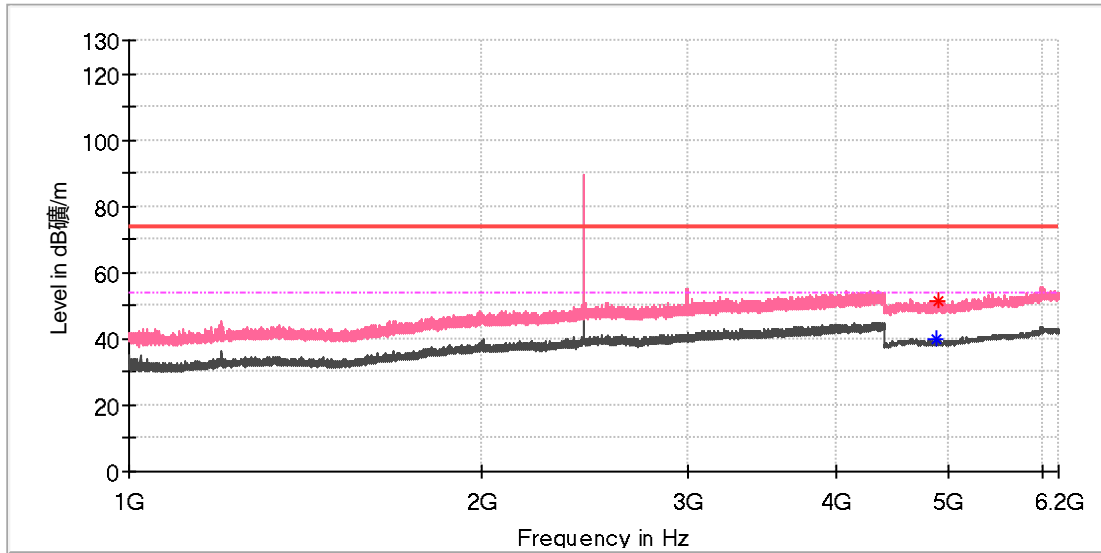


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.500000	49.58	---	74.00	24.42	150.0	H	204.0	11.8
4882.000000	---	41.04	54.00	12.97	150.0	H	227.0	11.8

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_Mid channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



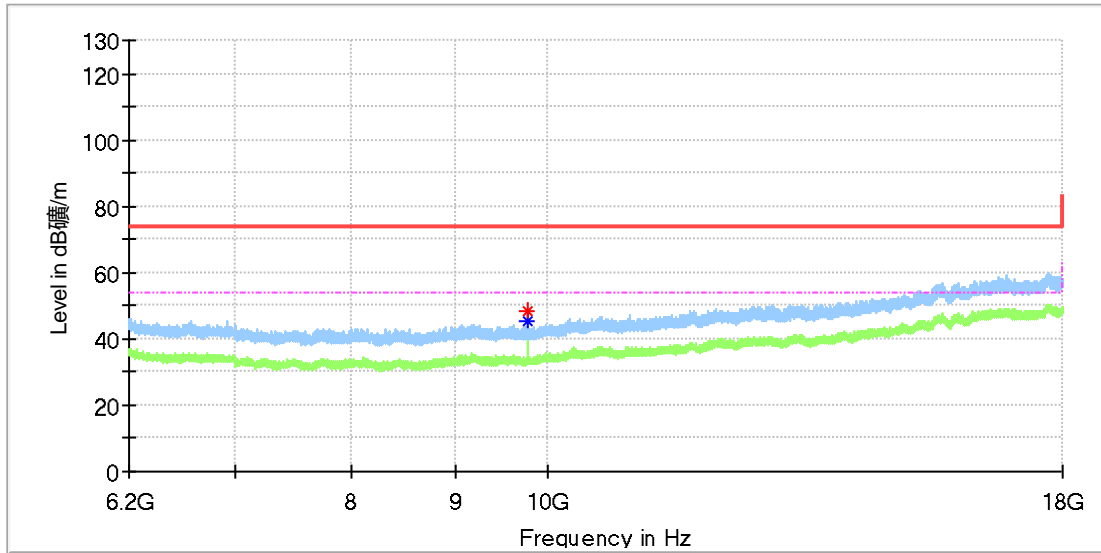
### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.000000	---	39.65	54.00	14.35	150.0	V	313.0	11.8
4893.000000	51.41	---	74.00	22.59	150.0	V	286.0	11.8



### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_Mid channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

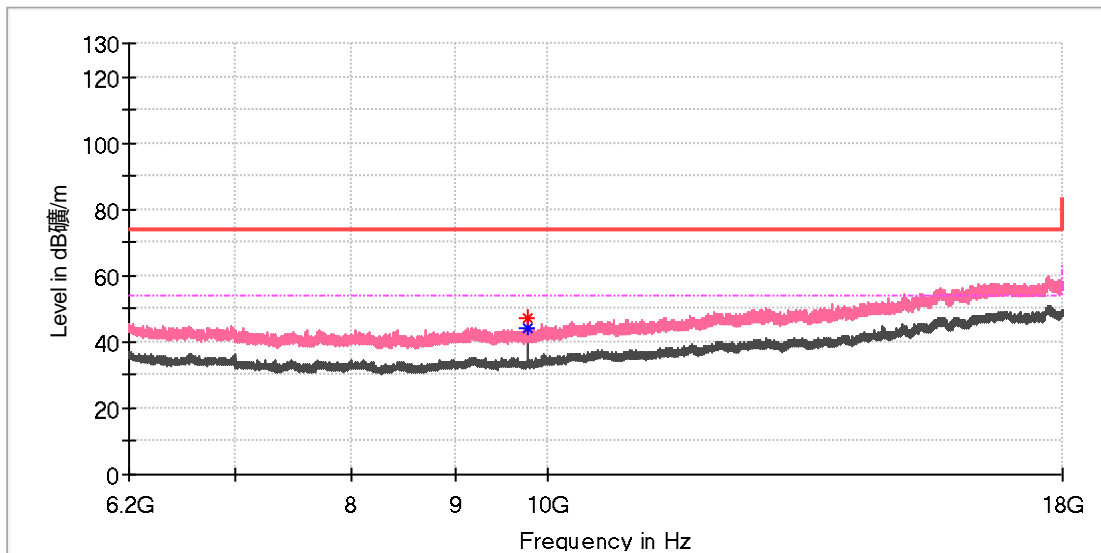


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9764.091667	48.25	---	74.00	25.75	150.0	H	40.0	10.4
9764.091667	---	45.20	54.00	8.80	150.0	H	40.0	10.4

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_Mid channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

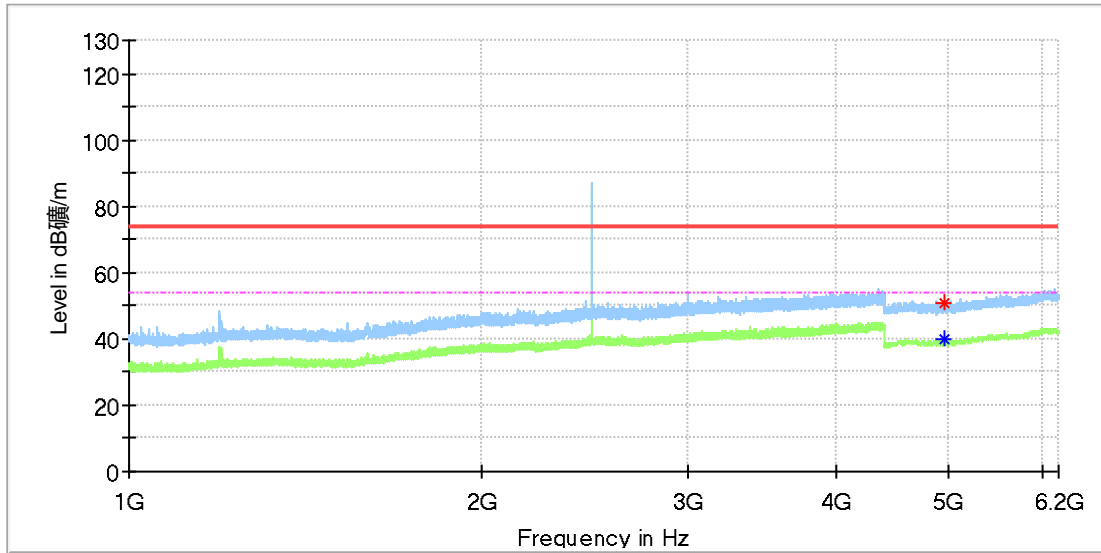


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9764.091667	46.95	---	74.00	27.05	150.0	V	48.0	10.4
9764.091667	---	43.98	54.00	10.02	150.0	V	48.0	10.4

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

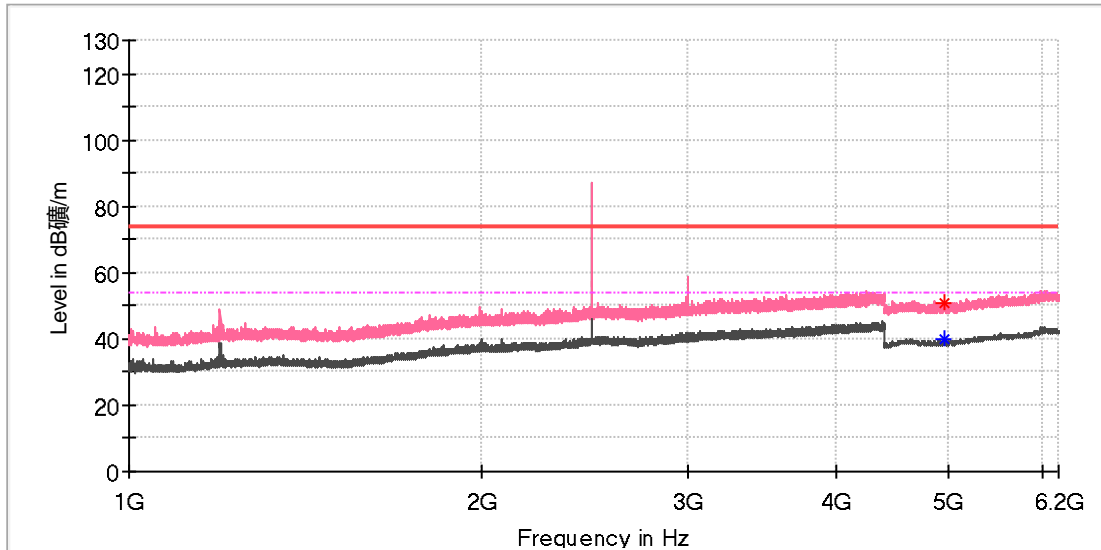


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4950.500000	50.68	---	74.00	23.32	150.0	H	359.0	11.8
4960.000000	---	40.11	54.00	13.89	150.0	H	182.0	11.8

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

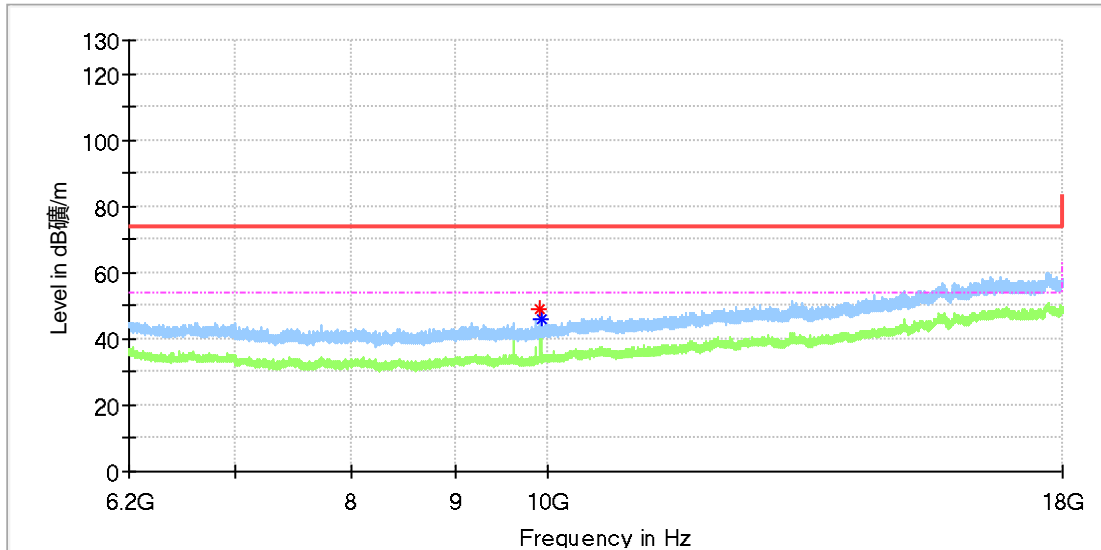


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4955.500000	50.57	---	74.00	23.43	150.0	V	115.0	11.8
4960.000000	---	40.10	54.00	13.90	150.0	V	159.0	11.8

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

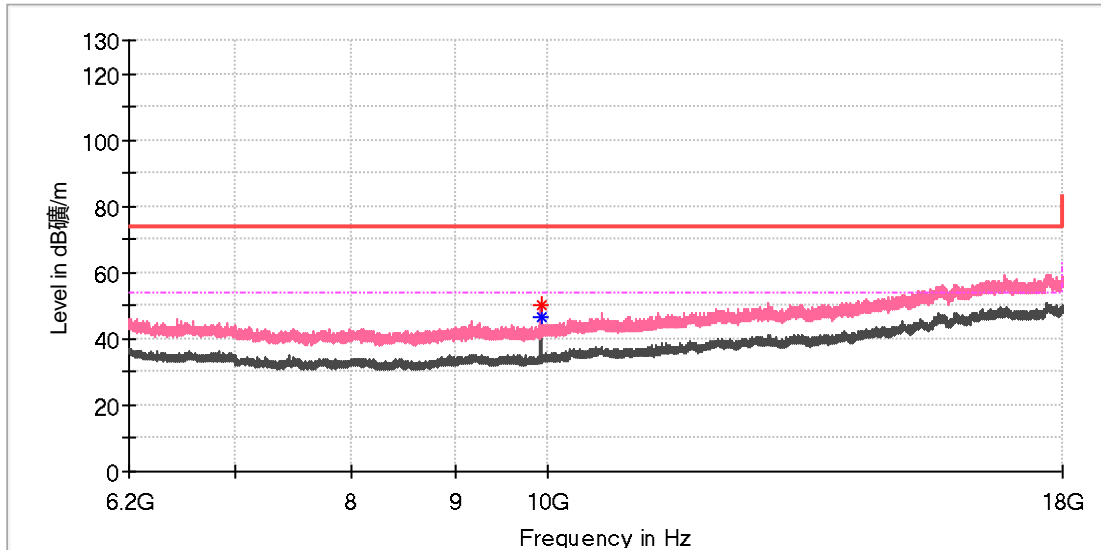


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9919.950000	49.26	---	74.00	24.74	150.0	H	29.0	10.8
9920.441667	---	46.04	54.00	7.96	150.0	H	29.0	10.8

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



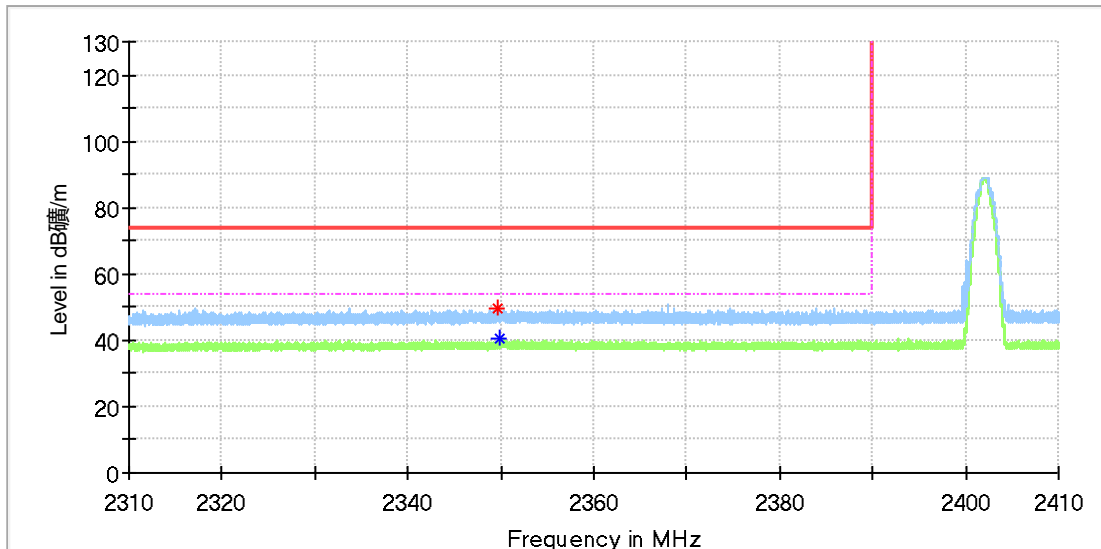
### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9920.441667	50.09	---	74.00	23.91	150.0	V	33.0	10.8
9920.441667	---	46.52	54.00	7.48	150.0	V	33.0	10.8

## Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_Low channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

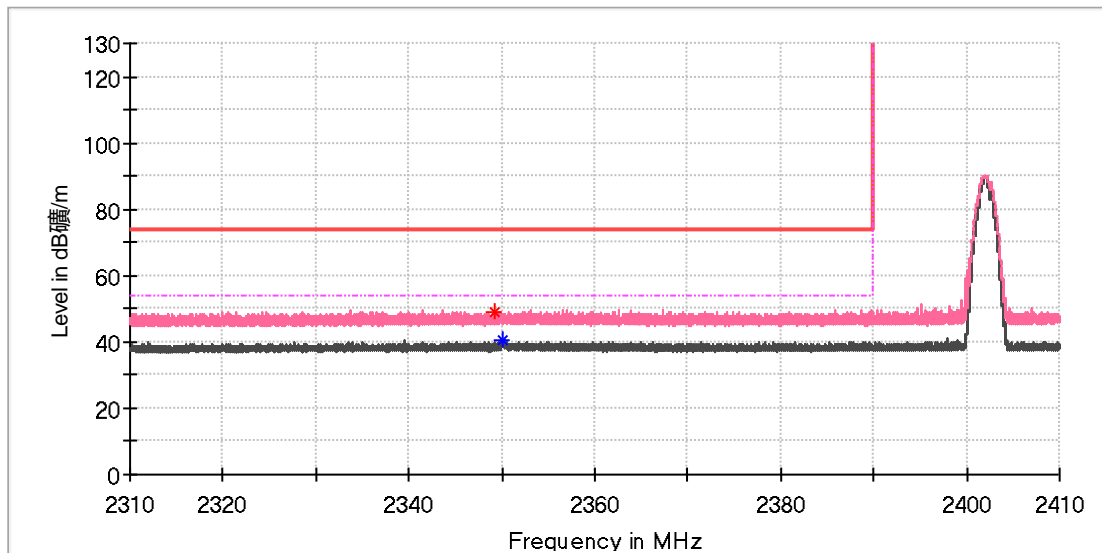


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2349.625000	49.45	---	74.00	24.55	150.0	H	134.0	6.9
2349.940000	---	40.60	54.00	13.40	150.0	H	145.0	6.9

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



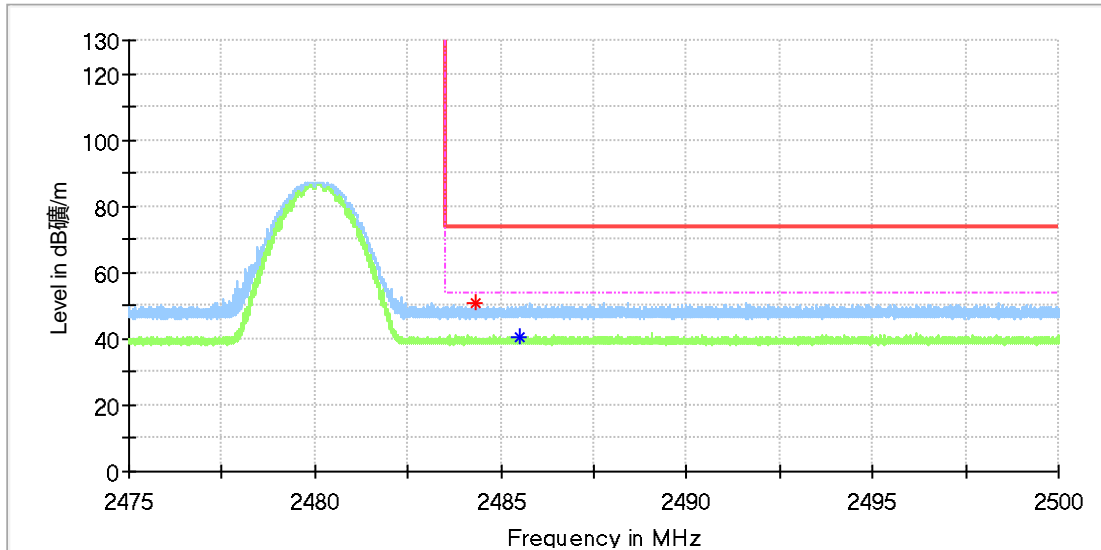
### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2349.200000	49.07	---	74.00	24.93	150.0	V	293.0	6.9
2350.015000	---	40.49	54.00	13.51	150.0	V	0.0	6.9



### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

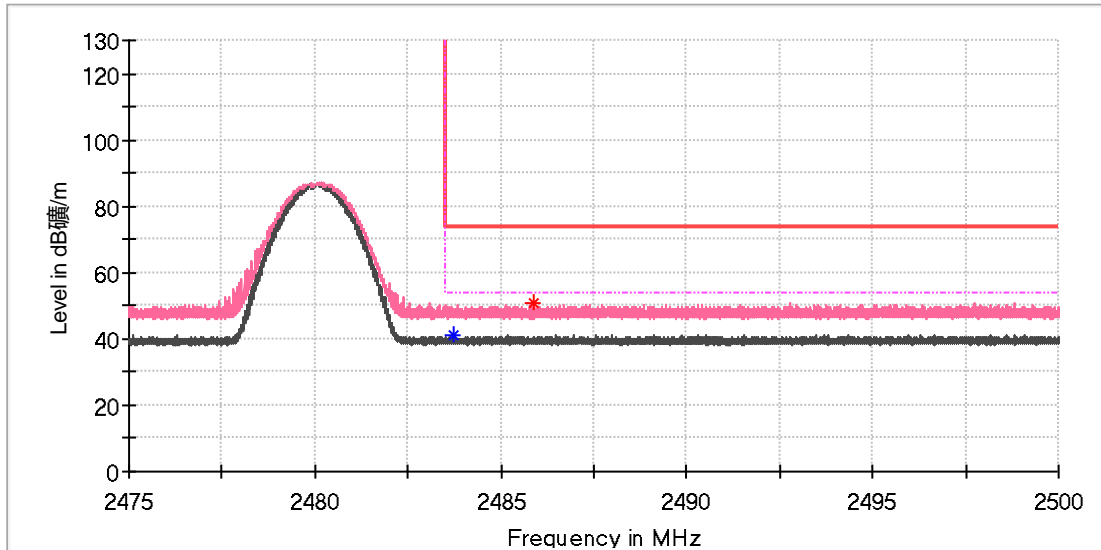


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.347500	50.56	---	74.00	23.44	150.0	H	77.0	7.4
2485.531250	---	40.72	54.00	13.28	150.0	H	198.0	7.4

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BR\_DH5\_High channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



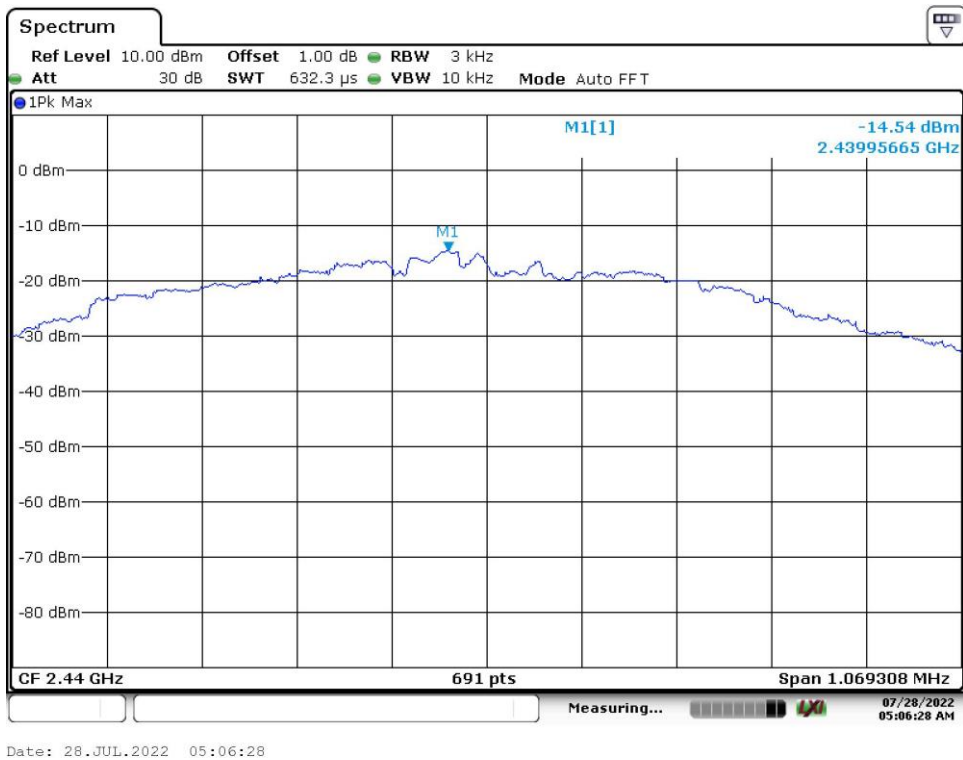
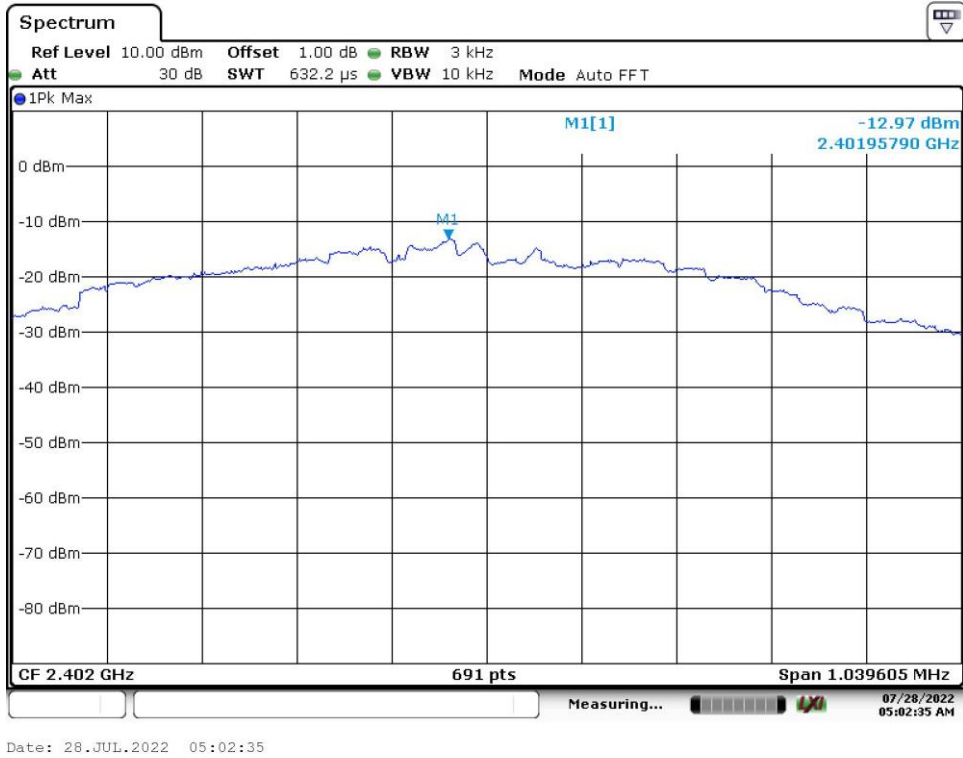
### Critical\_Freqs

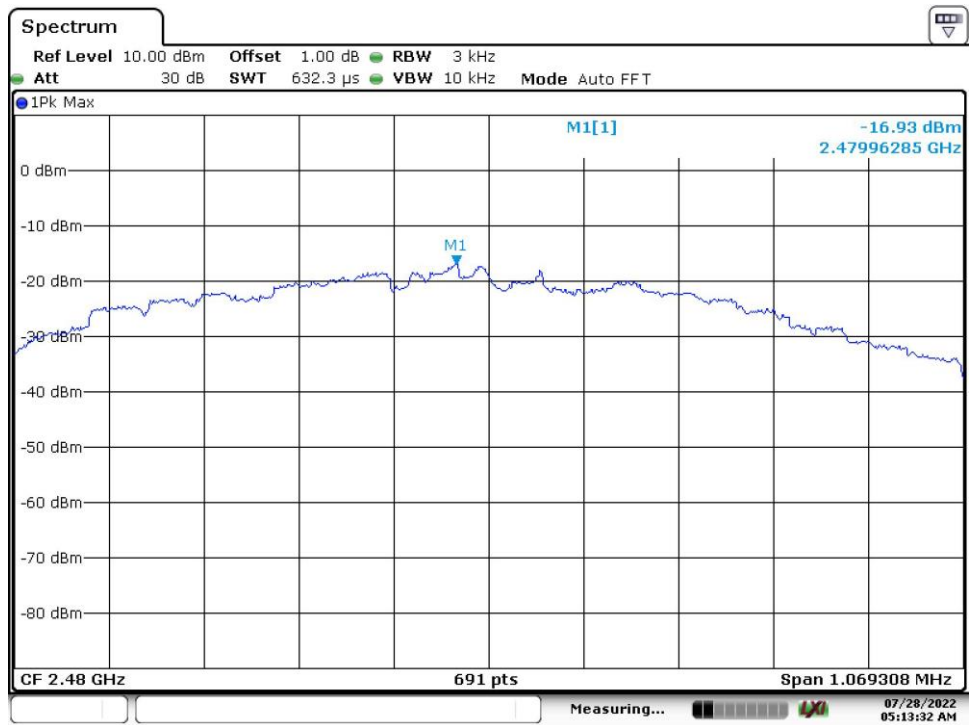
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.741250	---	40.84	54.00	13.16	150.0	V	225.0	7.4
2485.910000	50.72	---	74.00	23.28	150.0	V	357.0	7.4

## Appendix C: Test Results of Bluetooth Low Energy

<b>APPENDIX C: TEST RESULTS OF BLUETOOTH LOW ENERGY .....</b>	<b>1</b>
<b>APPENDIX C.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY .....</b>	<b>2</b>
<b>APPENDIX C.2: TEST RESULTS OF 6DB BANDWIDTH.....</b>	<b>4</b>
<b>APPENDIX C.3: TEST RESULTS OF 99% BANDWIDTH .....</b>	<b>7</b>
<b>APPENDIX C.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH .....</b>	<b>10</b>
<i>Low Channel.....</i>	<i>10</i>
<i>Middle Channel.....</i>	<i>11</i>
<i>High Channel.....</i>	<i>12</i>
<i>Band Edge, Low Channel.....</i>	<i>13</i>
<i>Band Edge, High Channel.....</i>	<i>13</i>
<b>APPENDIX C.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS.....</b>	<b>14</b>
<i>30 MHz to 1GHz.....</i>	<i>14</i>
<i>1GHz-18GHz.....</i>	<i>16</i>
<b>APPENDIX C.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS .....</b>	<b>28</b>

### Appendix C.1: Test Results of Conducted Power Spectral Density





Date: 28.JUL.2022 05:13:32

## Appendix C.2: Test Results of 6dB Bandwidth

### Minimum Emission Bandwidth 6 dB (2402 MHz; 10.000 dBm; 1 MHz)

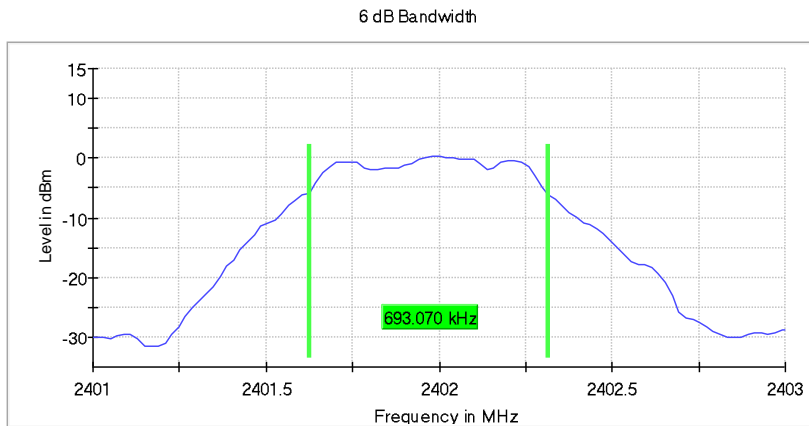
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

#### 6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.693070	0.500000	---	2401.623762	2402.316832

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	0.3	PASS



#### Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
Sweeptime	18.938 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.27 dB	0.50 dB

**Minimum Emission Bandwidth 6 dB (2440 MHz; 10.000 dBm; 1 MHz)**

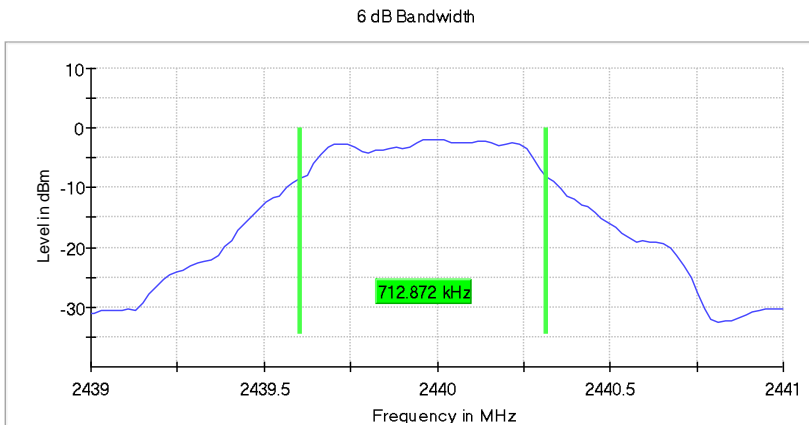
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

**6 dB Bandwidth**

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	0.712872	0.500000	---	2439.603960	2440.316832

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2440.000000	-1.9	PASS



**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44100 GHz	2.44100 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
Sweeptime	18.938 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	15 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.05 dB	0.50 dB

### Minimum Emission Bandwidth 6 dB (2480 MHz; 10.000 dBm; 1 MHz)

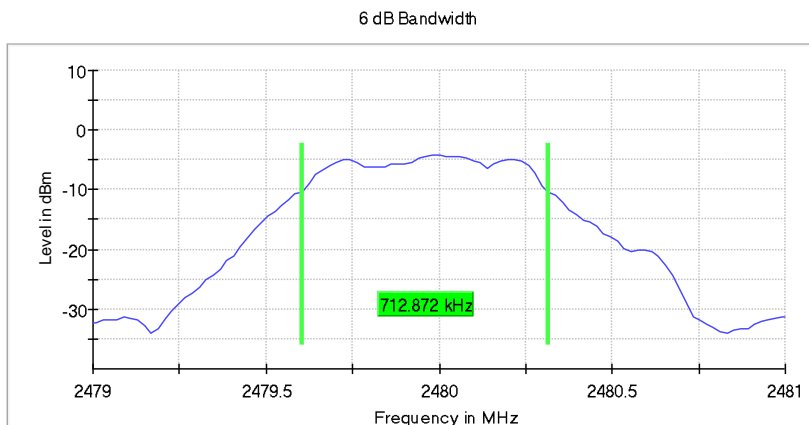
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

#### 6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.712872	0.500000	---	2479.603960	2480.316832

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-4.2	PASS



#### Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
Sweeptime	18.938 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	14 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.26 dB	0.50 dB



### Appendix C.3: Test Results of 99% Bandwidth

#### Occupied Channel Bandwidth 99% (2402 MHz; 10.000 dBm; 1 MHz)

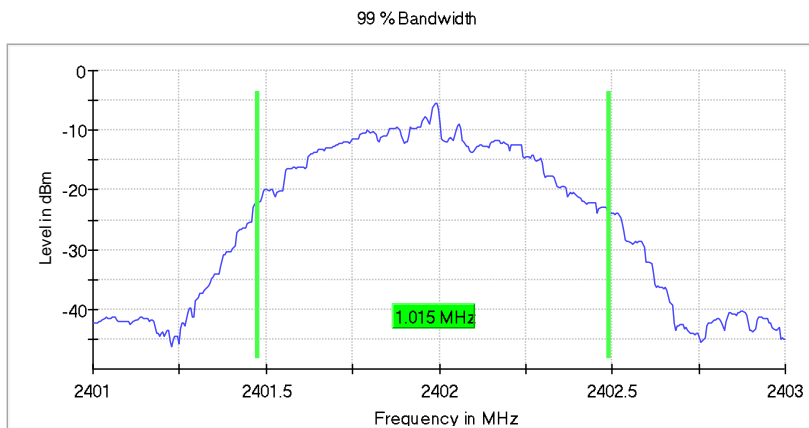
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

#### 99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.015000	---	---	2401.477500	2402.492500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS



#### Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	18 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.21 dB	0.30 dB

**Occupied Channel Bandwidth 99% (2440 MHz; 10.000 dBm; 1 MHz)**

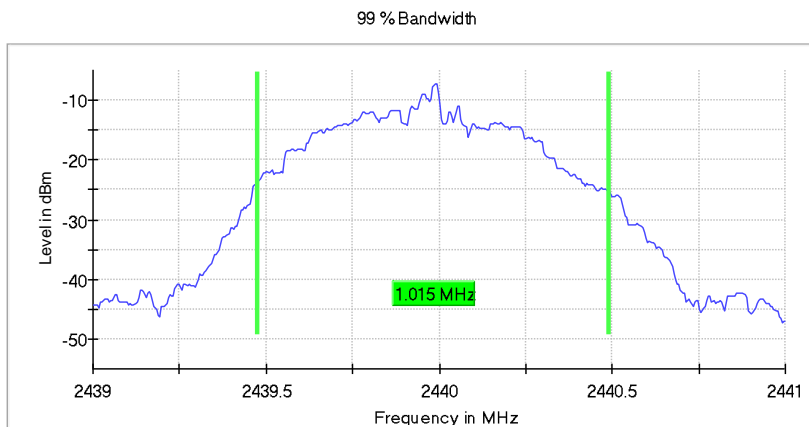
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

**99 % Bandwidth**

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	1.015000	---	---	2439.477500	2440.492500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2440.000000	PASS



**Measurement**

Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44100 GHz	2.44100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
Sweeptime	189.648 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	22 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.09 dB	0.30 dB

**Occupied Channel Bandwidth 99% (2480 MHz; 10.000 dBm; 1 MHz)**

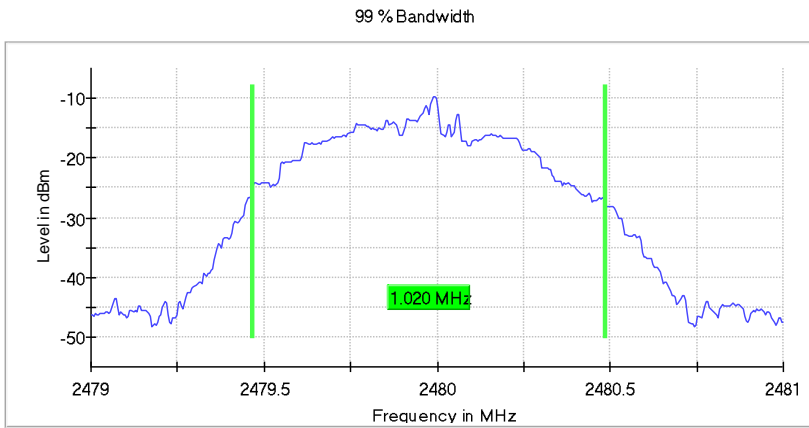
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

**99 % Bandwidth**

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.020000	---	---	2479.467500	2480.487500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS

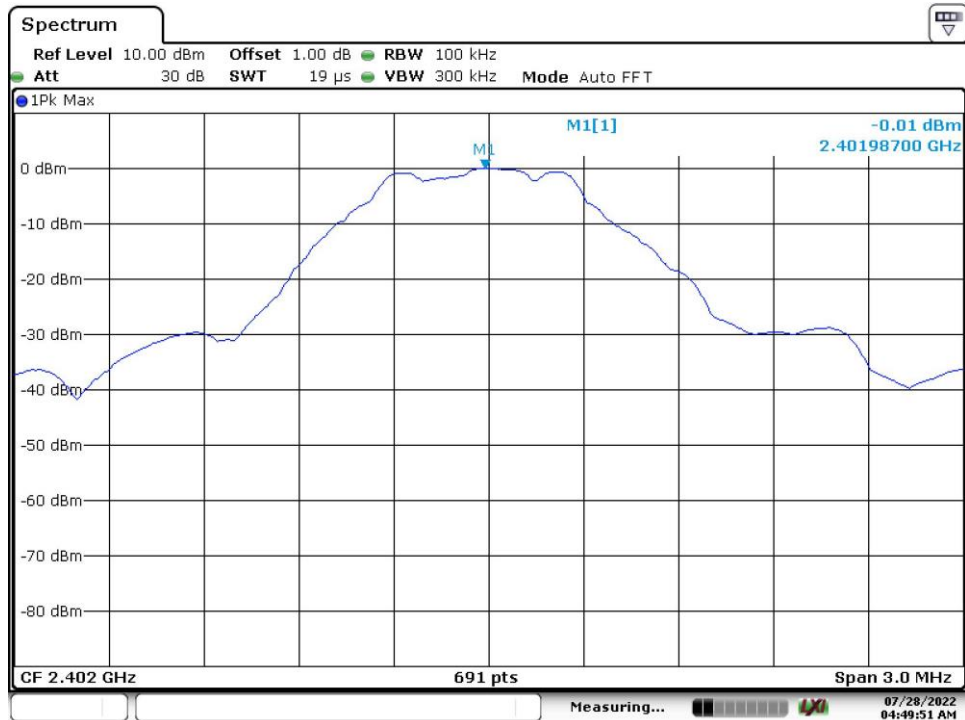


**Measurement**

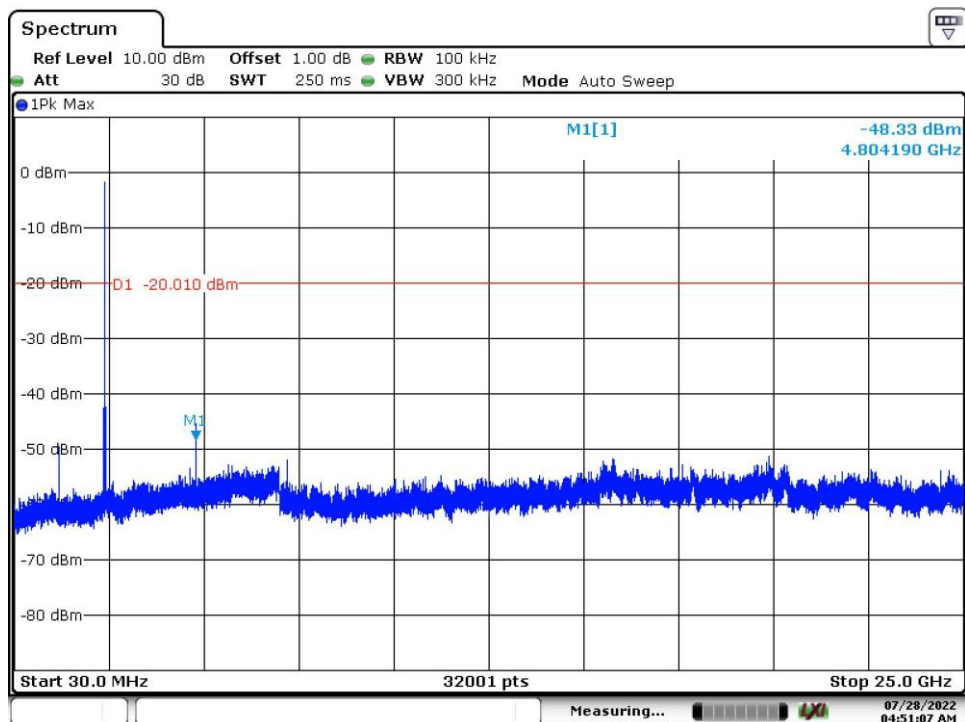
Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
Sweeptime	189.648 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	17 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

### Appendix C.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Low Channel

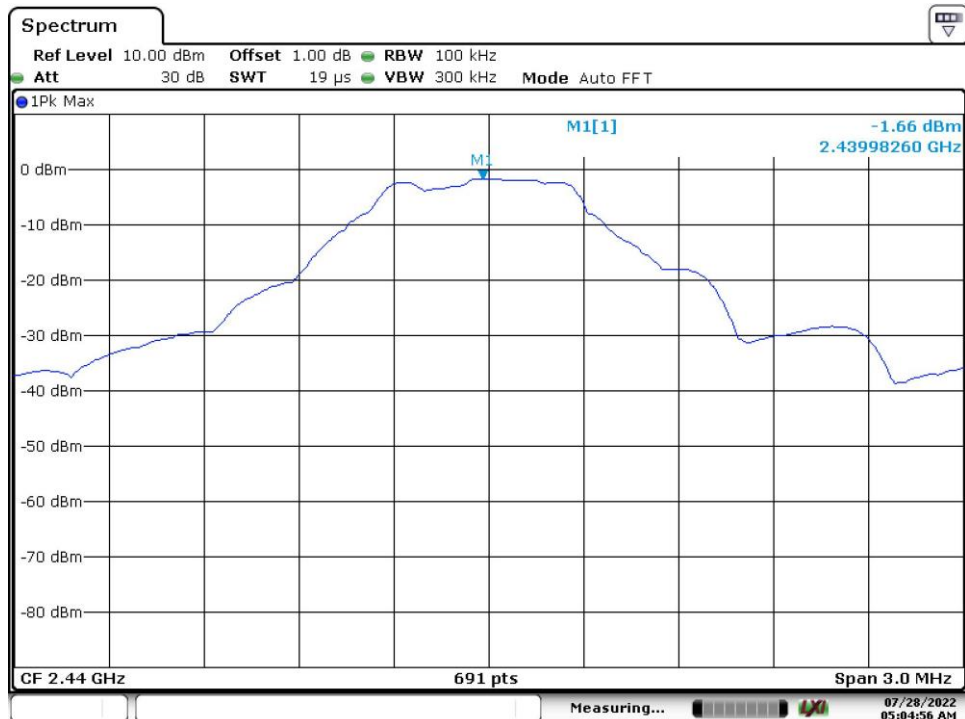


Date: 28.JUL.2022 04:49:51

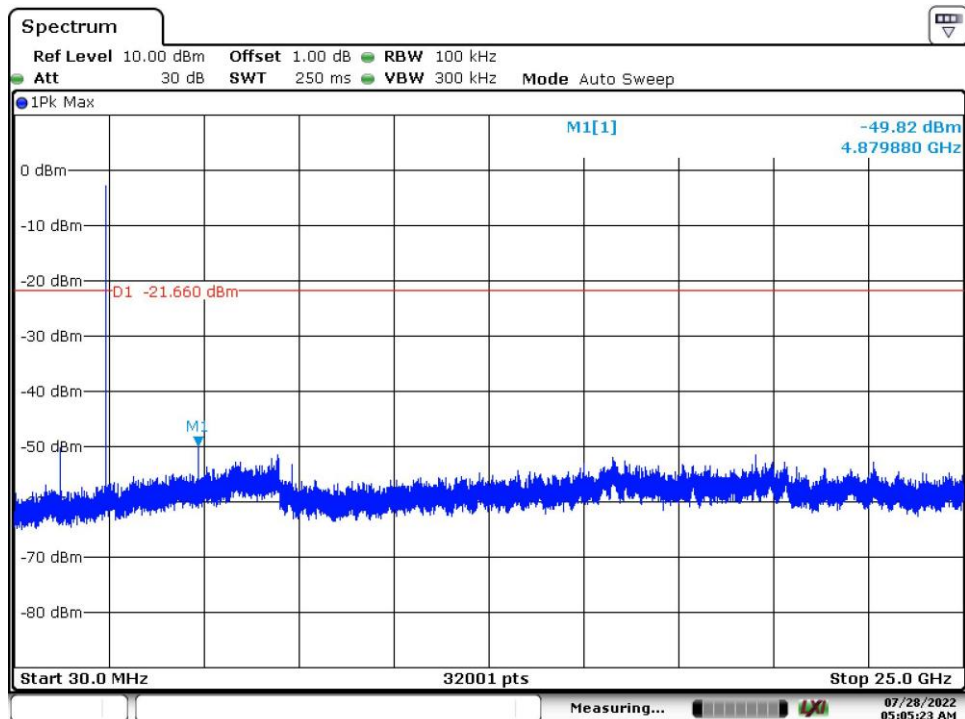


Date: 28.JUL.2022 04:51:07

Middle Channel

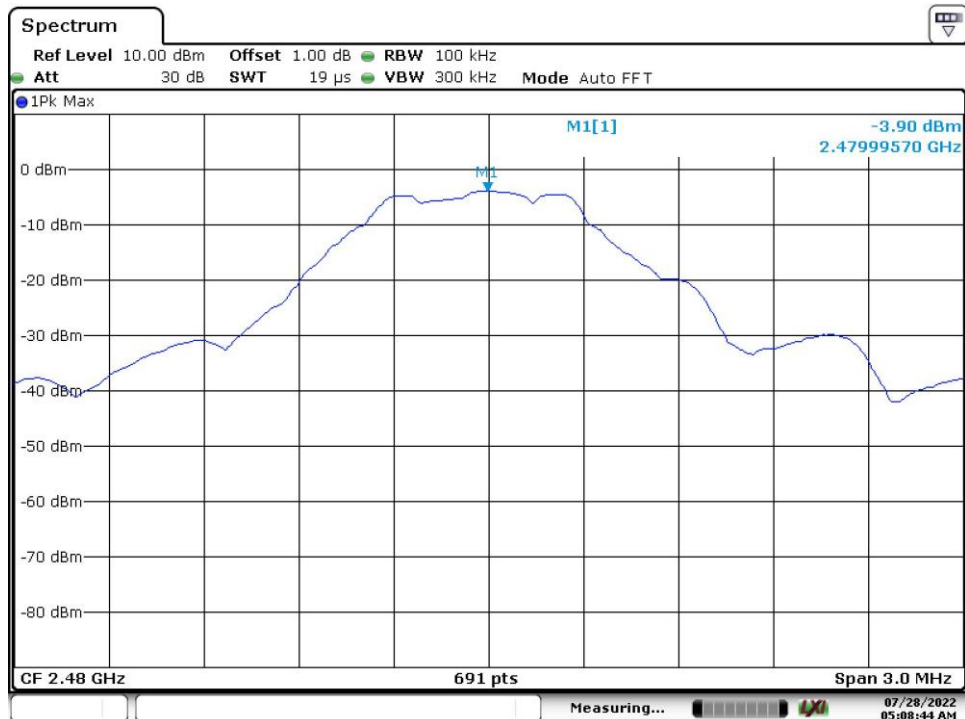


Date: 28.JUL.2022 05:04:56

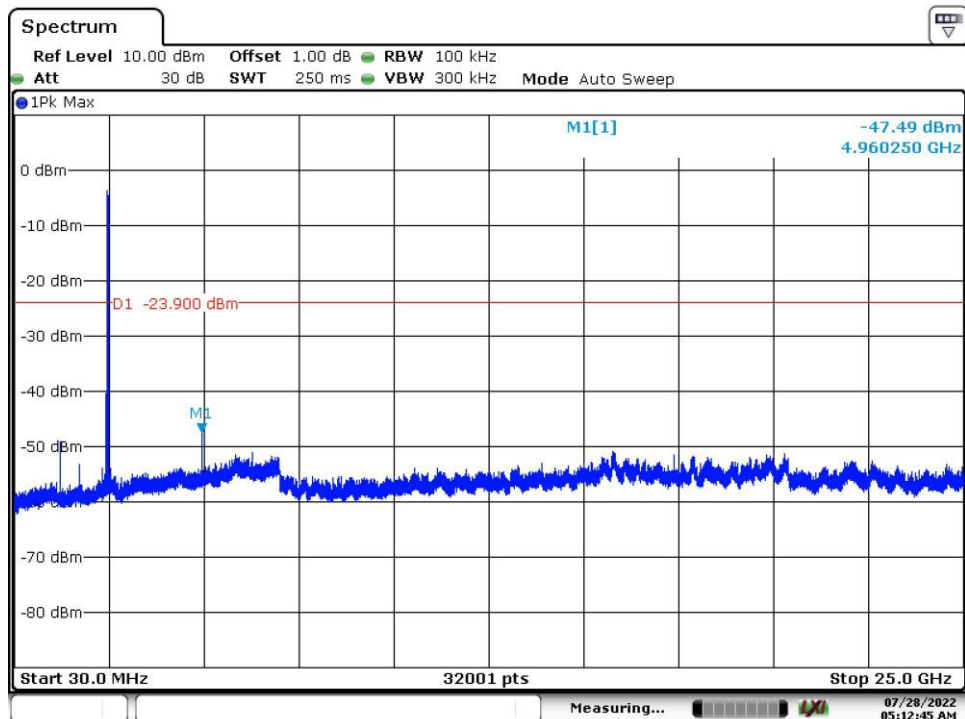


Date: 28.JUL.2022 05:05:23

High Channel

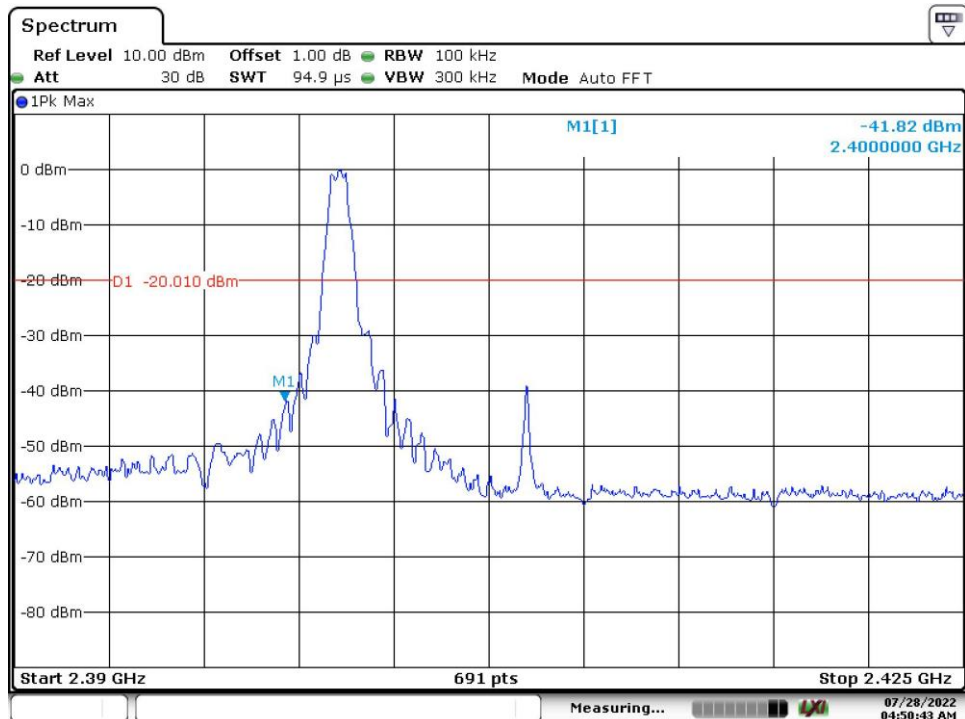


Date: 28.JUL.2022 05:08:45



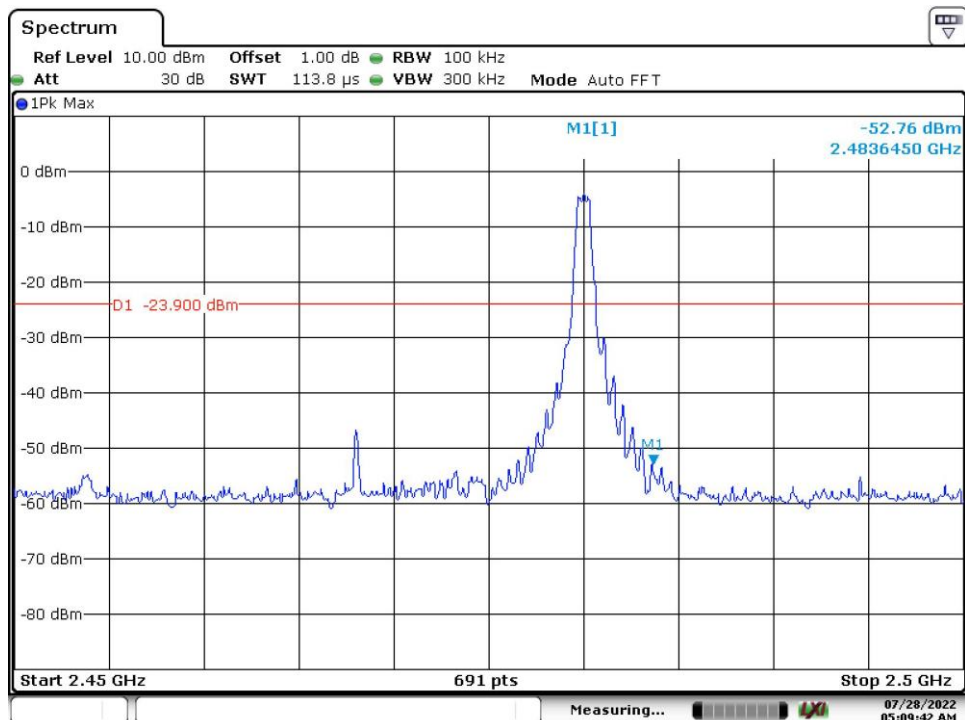
Date: 28.JUL.2022 05:12:46

Band Edge, Low Channel



Date: 28.JUL.2022 04:50:43

Band Edge, High Channel



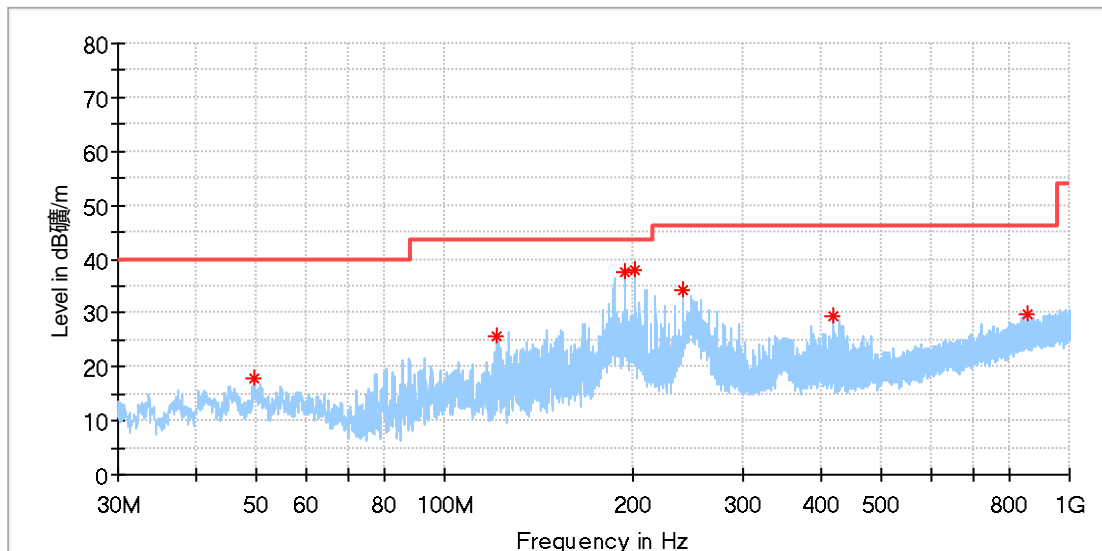
Date: 28.JUL.2022 05:09:42

### Appendix C.5: Test Results of Radiated Spurious Emissions

Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.  
 30 MHz to 1GHz

#### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



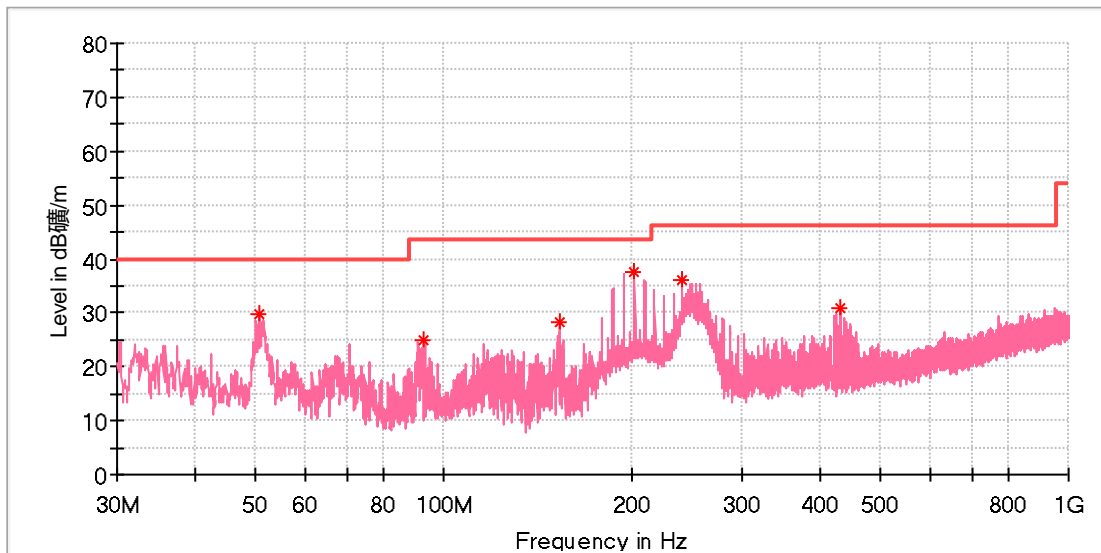
#### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.691000	17.75	40.00	22.25	100.0	H	124.0	-18.3
121.422500	25.85	43.50	17.65	100.0	H	32.0	-20.9
194.221000	37.74	43.50	5.76	100.0	H	39.0	-19.2
201.981000	38.04	43.50	5.46	100.0	H	18.0	-18.9
240.926500	34.14	46.00	11.86	100.0	H	39.0	-17.7
418.582000	29.43	46.00	16.57	100.0	H	75.0	-13.4
858.234500	29.89	46.00	16.11	100.0	H	111.0	-5.4



### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BLE 1M\_Mid channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

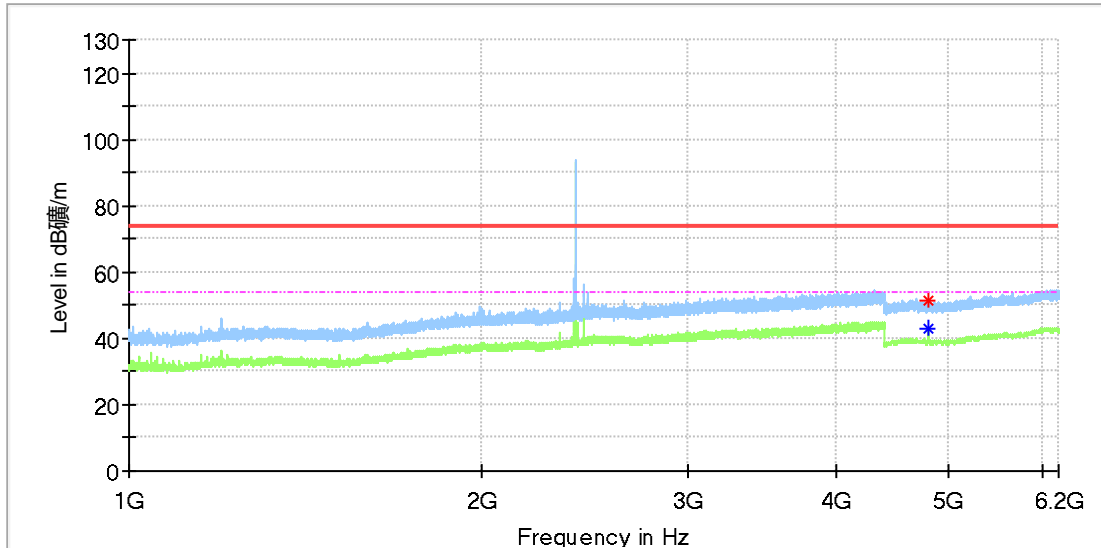
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.709500	29.71	40.00	10.29	100.0	V	270.0	-18.3
93.147000	25.03	43.50	18.47	100.0	V	256.0	-20.2
152.850500	28.31	43.50	15.19	100.0	V	98.0	-22.1
202.029500	37.65	43.50	5.85	100.0	V	154.0	-18.9
240.926500	36.02	46.00	9.98	100.0	V	192.0	-17.7
429.591500	30.89	46.00	15.11	100.0	V	11.0	-13.3

1GHz-18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

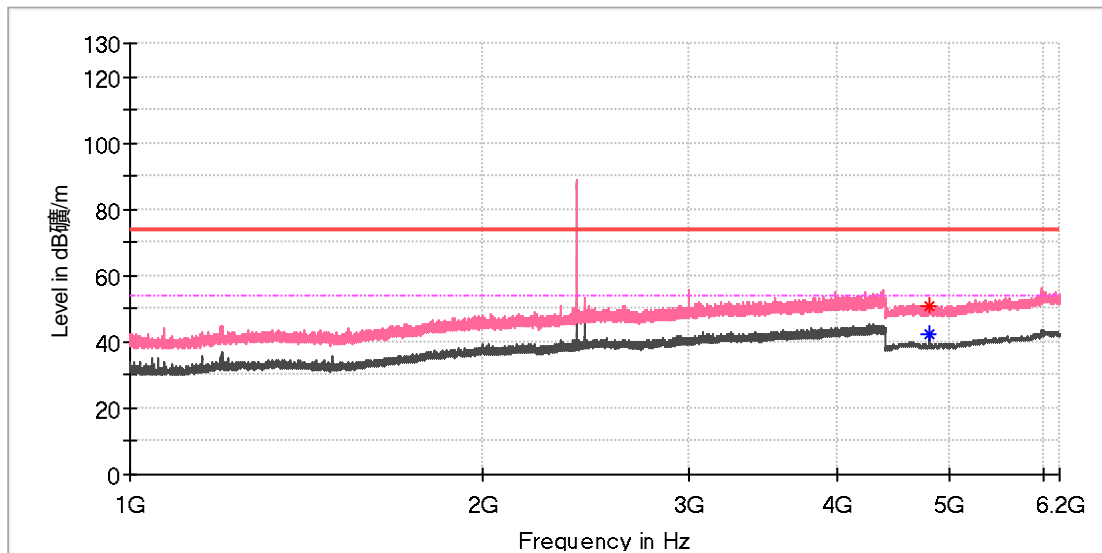


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.000000	51.41	---	74.00	22.59	150.0	H	133.0	11.8
4803.500000	---	43.04	54.00	10.96	150.0	H	163.0	11.8

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BLE 1M\_Low channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

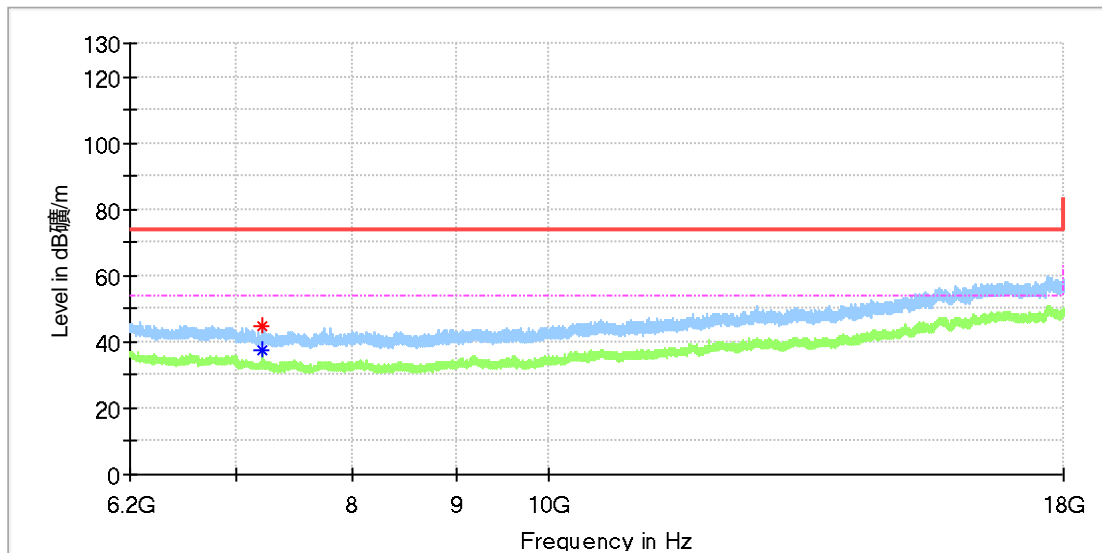


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	50.86	---	74.00	23.14	150.0	V	134.0	11.8
4804.000000	---	42.27	54.00	11.74	150.0	V	142.0	11.8

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BLE 1M\_Low channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

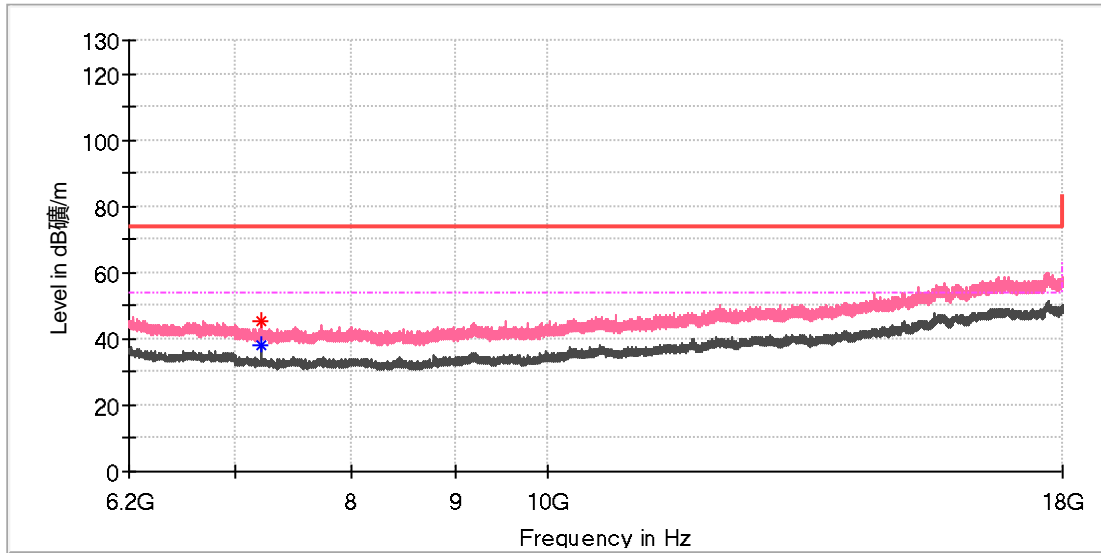


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	---	37.44	54.00	16.56	150.0	H	36.0	8.8
7205.950000	44.82	---	74.00	29.18	150.0	H	36.0	8.8

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

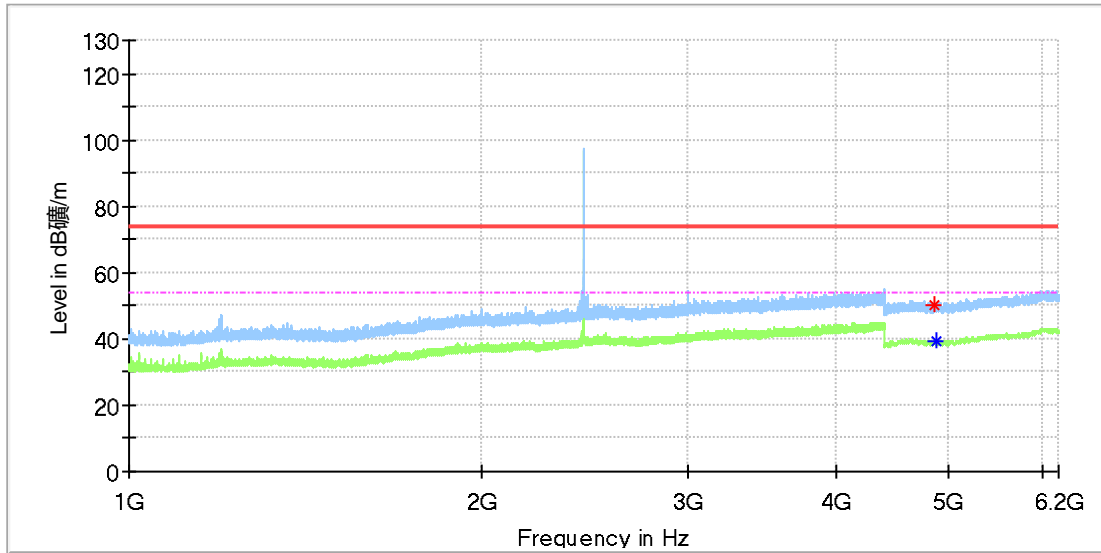


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	45.45	---	74.00	28.55	150.0	V	132.0	8.8
7205.950000	---	38.28	54.00	15.72	150.0	V	132.0	8.8

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

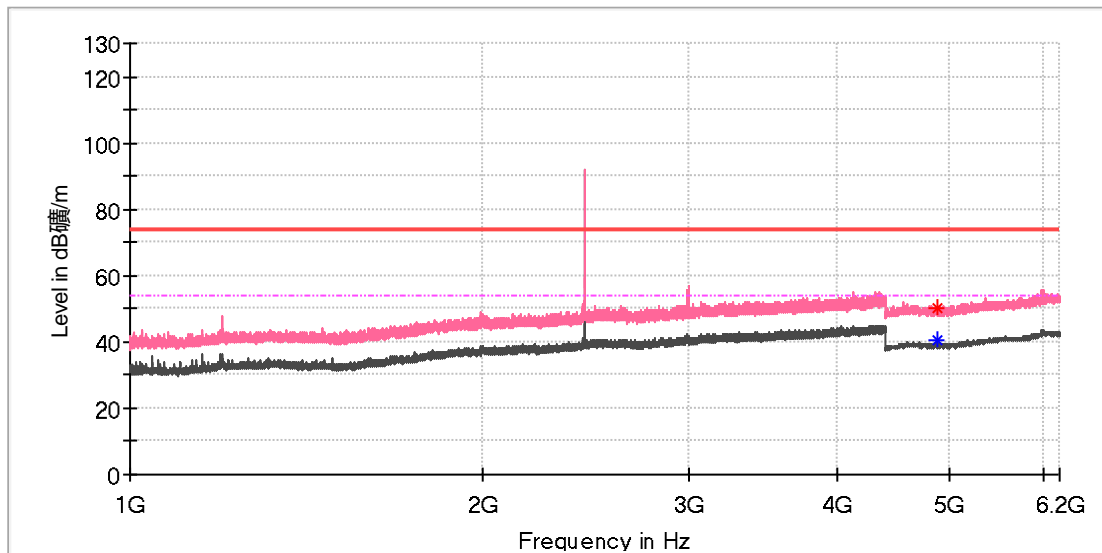


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4863.500000	50.25	---	74.00	23.75	150.0	H	261.0	11.8
4880.000000	---	39.54	54.00	14.46	150.0	H	176.0	11.8

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

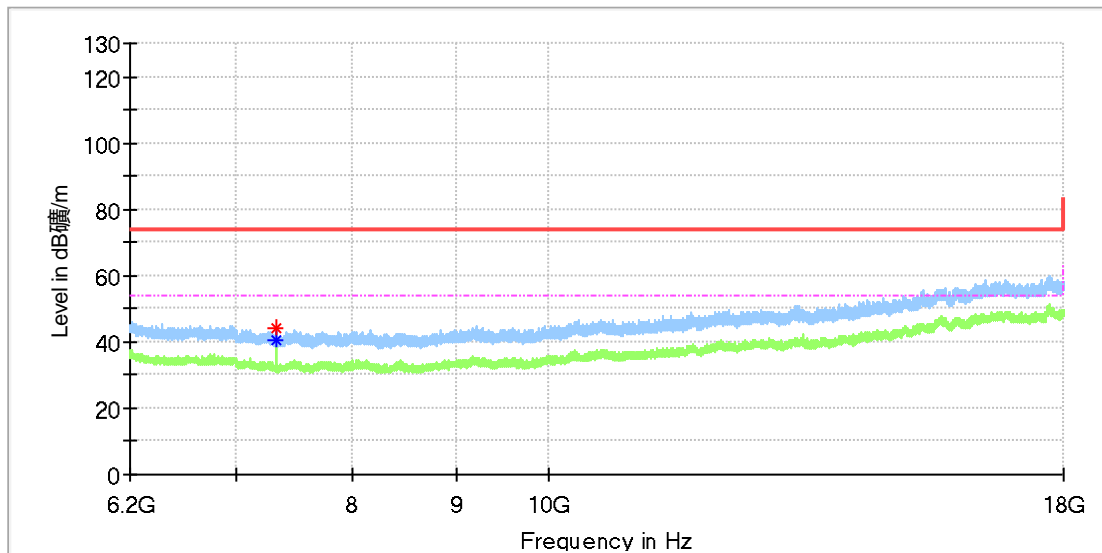


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	50.26	---	74.00	23.74	150.0	V	337.0	11.8
4880.000000	---	40.80	54.00	13.20	150.0	V	136.0	11.8

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BLE 1M\_Mid channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



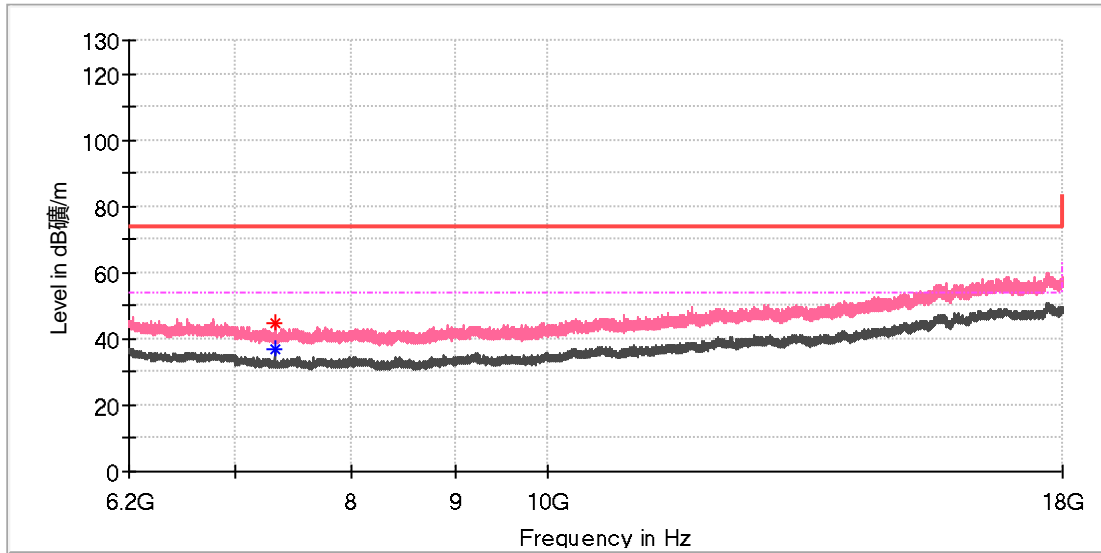
### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7320.016667	44.29	---	74.00	29.71	150.0	H	227.0	8.2
7320.016667	---	40.80	54.00	13.20	150.0	H	227.0	8.2



### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

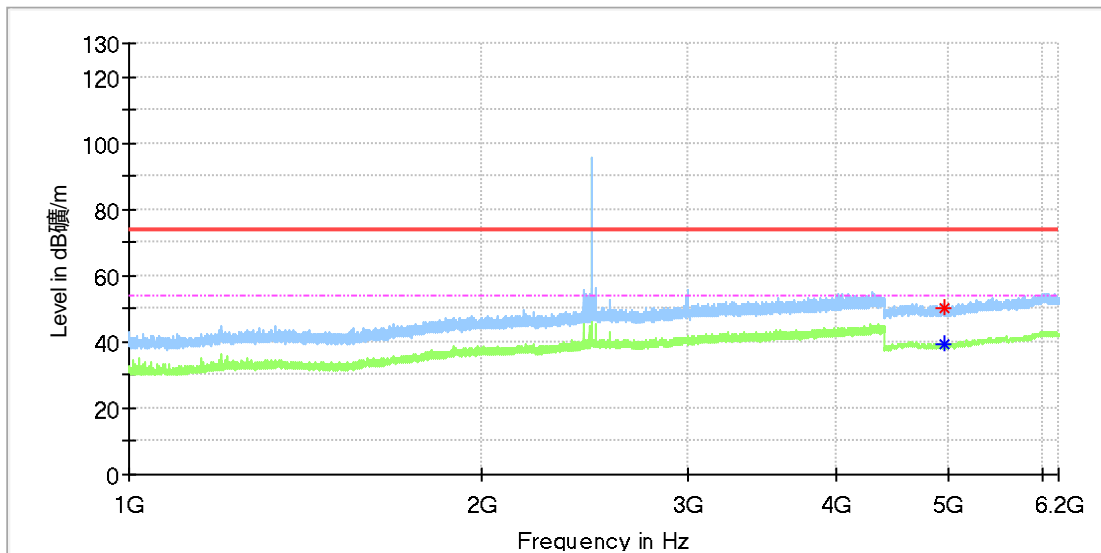


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.033333	---	36.71	54.00	17.29	150.0	V	163.0	8.2
7321.000000	44.77	---	74.00	29.23	150.0	V	225.0	8.2

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BLE 1M\_High channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

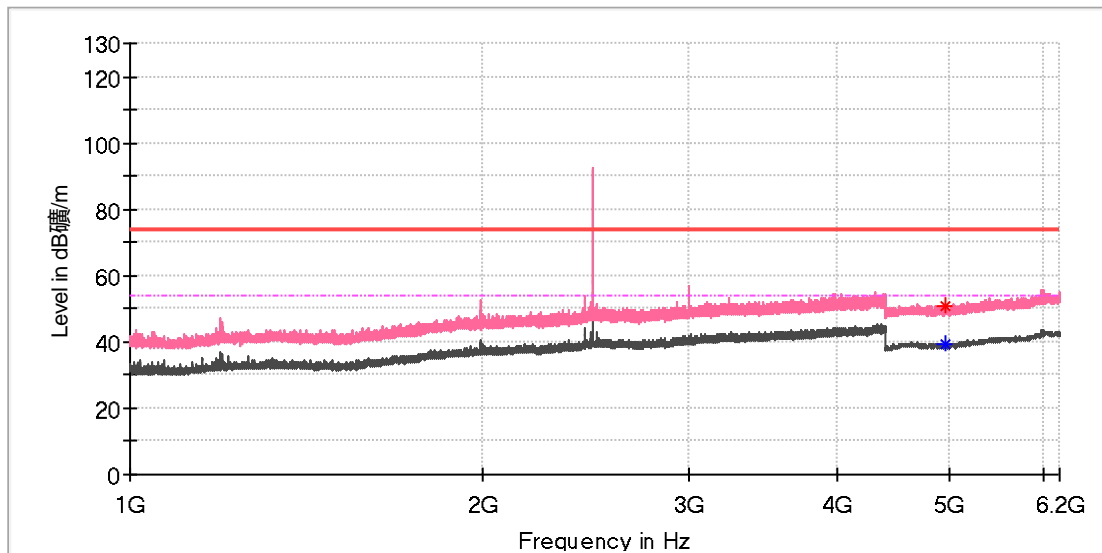


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4955.500000	---	39.29	54.00	14.71	150.0	H	224.0	11.8
4960.000000	50.38	---	74.00	23.62	150.0	H	329.0	11.8

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BLE 1M\_High channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

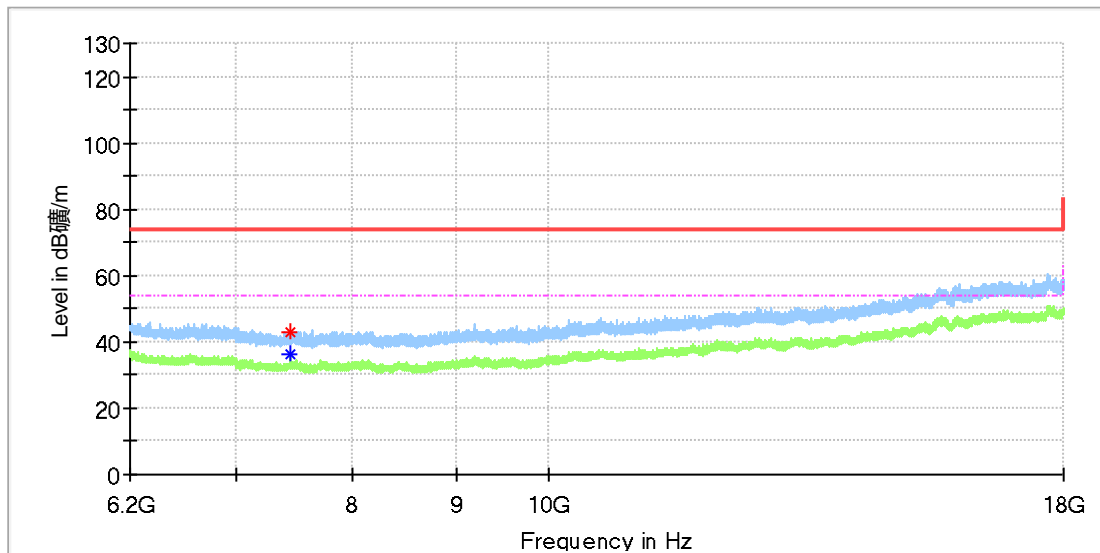


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4950.000000	50.90	---	74.00	23.10	150.0	V	344.0	11.8
4957.000000	---	39.26	54.00	14.74	150.0	V	127.0	11.8

## EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

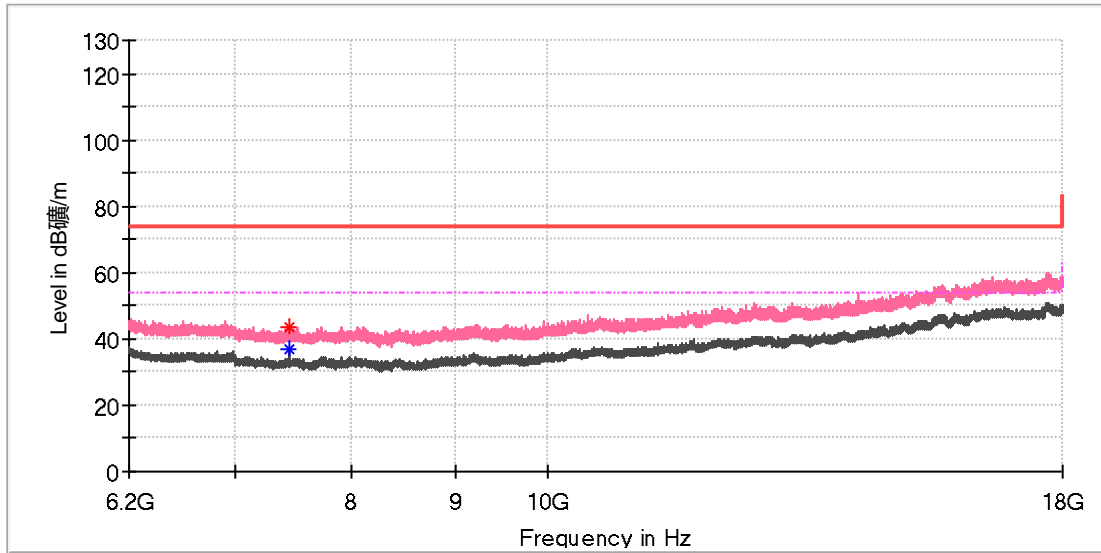


## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	---	36.40	54.00	17.60	150.0	H	284.0	8.4
7440.966667	43.17	---	74.00	30.83	150.0	H	20.0	8.4

### EUT Information

EUT Name: Ninebot S2  
 Model: N5M340  
 Test Mode: BLE 1M\_High channel  
 Order No/Sample No: 168379569/A003300194-001  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



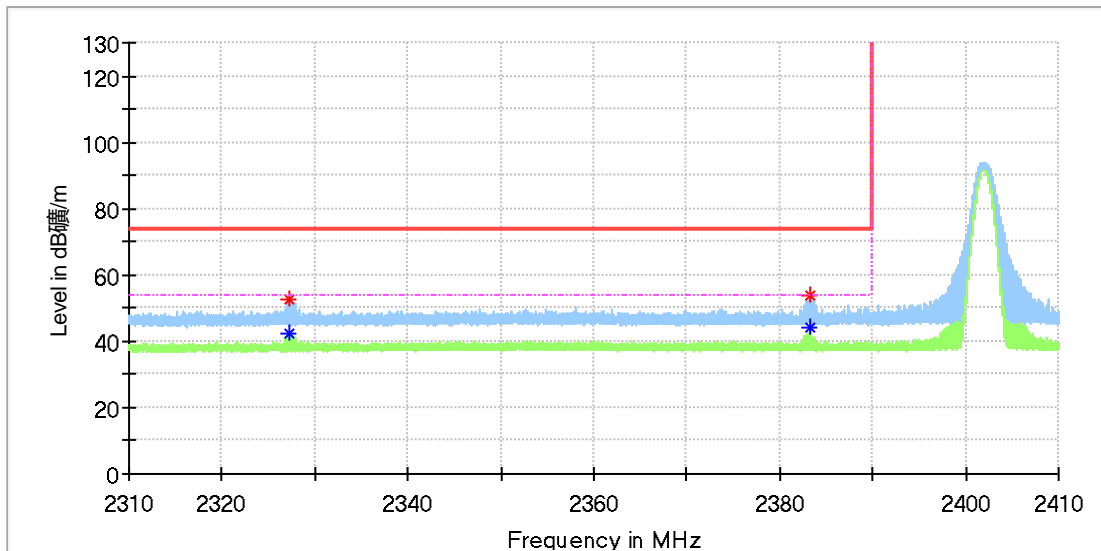
### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.000000	43.43	---	74.00	30.57	150.0	V	141.0	8.4
7439.000000	---	36.59	54.00	17.41	150.0	V	141.0	8.4

## Appendix C.6: Test Results of Radiated Emissions in Restricted Bands

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

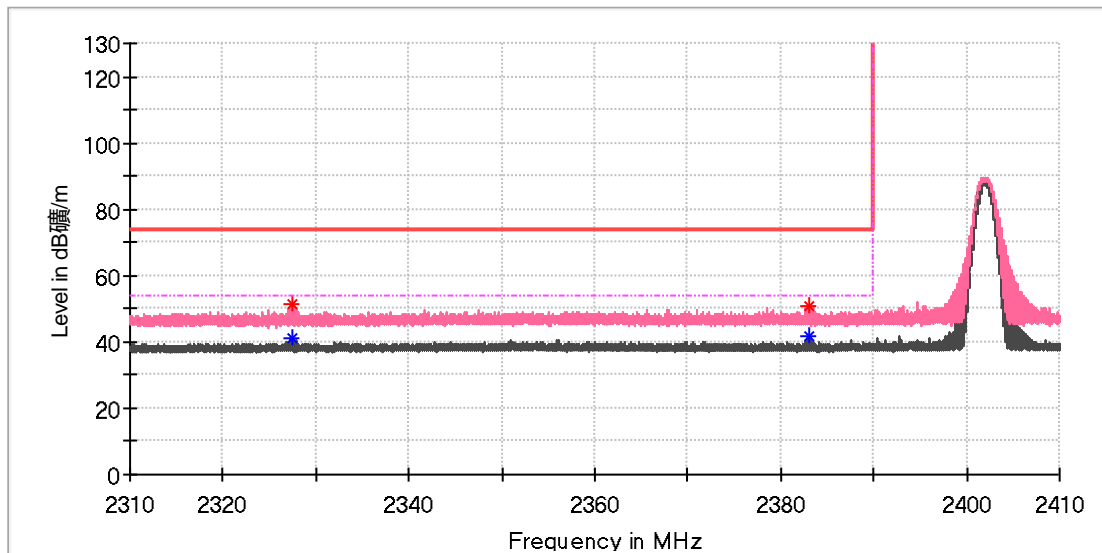


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2327.270000	52.84	---	74.00	21.16	150.0	H	317.0	6.7
2327.270000	---	42.42	54.00	11.58	150.0	H	317.0	6.7
2383.235000	54.10	---	74.00	19.90	150.0	H	317.0	7.0
2383.235000	---	44.07	54.00	9.93	150.0	H	317.0	7.0

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

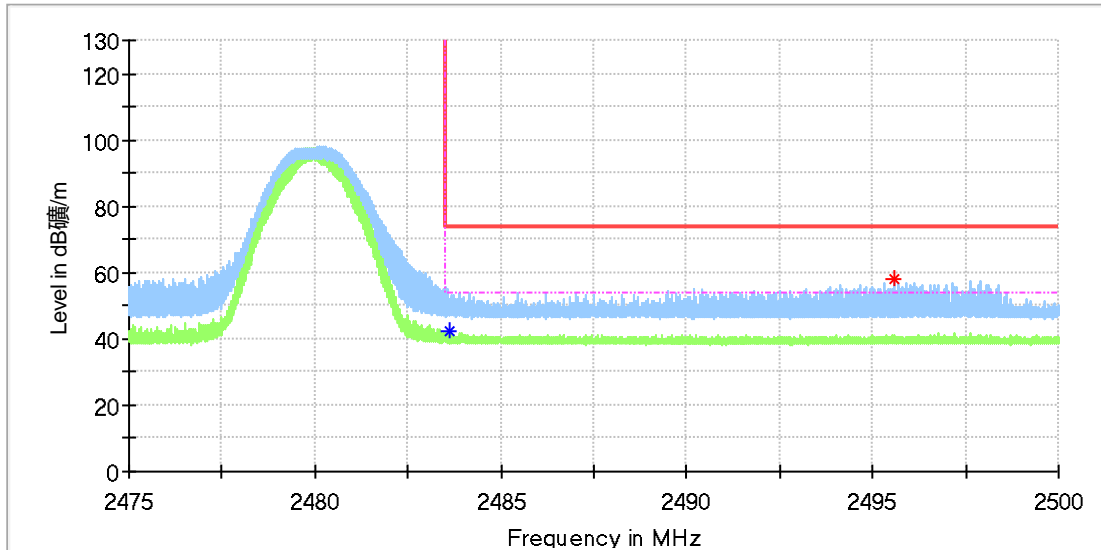


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2327.420000	---	40.83	54.00	13.17	150.0	V	168.0	6.7
2327.510000	51.35	---	74.00	22.65	150.0	V	193.0	6.7
2383.045000	50.62	---	74.00	23.38	150.0	V	342.0	7.0
2383.045000	---	41.63	54.00	12.37	150.0	V	342.0	7.0

### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



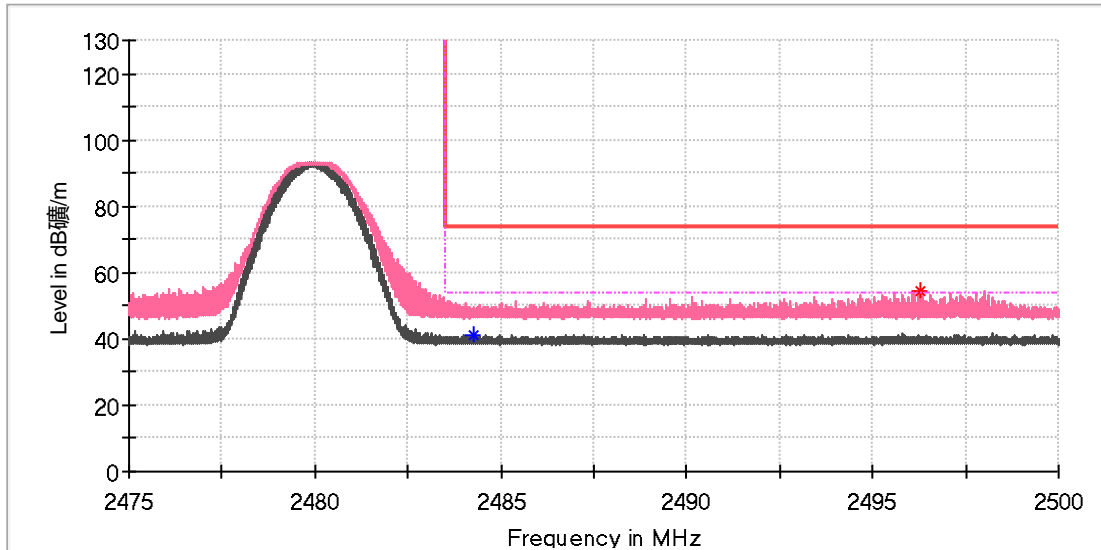
### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.630000	---	42.36	54.00	11.64	150.0	H	311.0	7.4
2495.566250	58.08	---	74.00	15.92	150.0	H	322.0	7.4



### EUT Information

EUT Name:	Ninebot S2
Model:	N5M340
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168379569/A003300194-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.280000	---	41.30	54.00	12.70	150.0	V	149.0	7.4
2496.271250	54.46	---	74.00	19.54	150.0	V	162.0	7.4