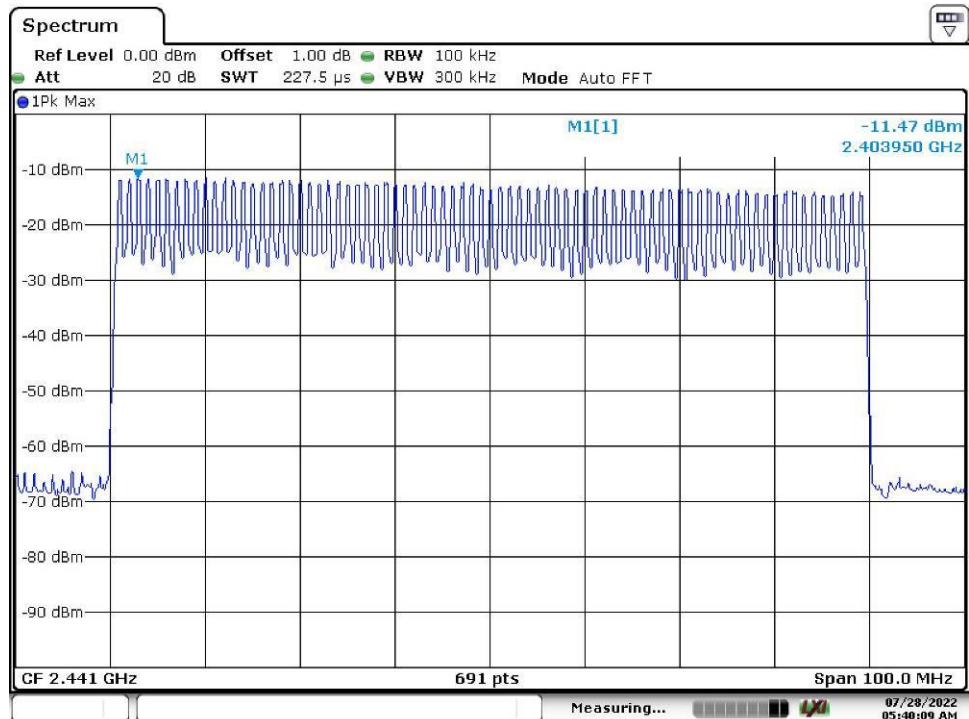
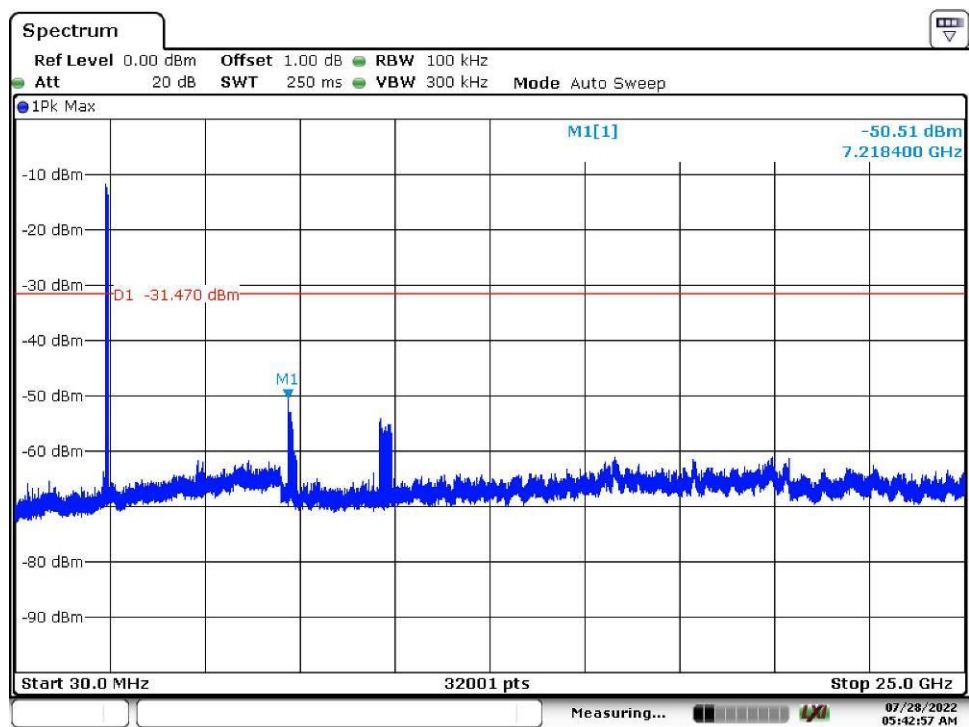


Hopping Mode

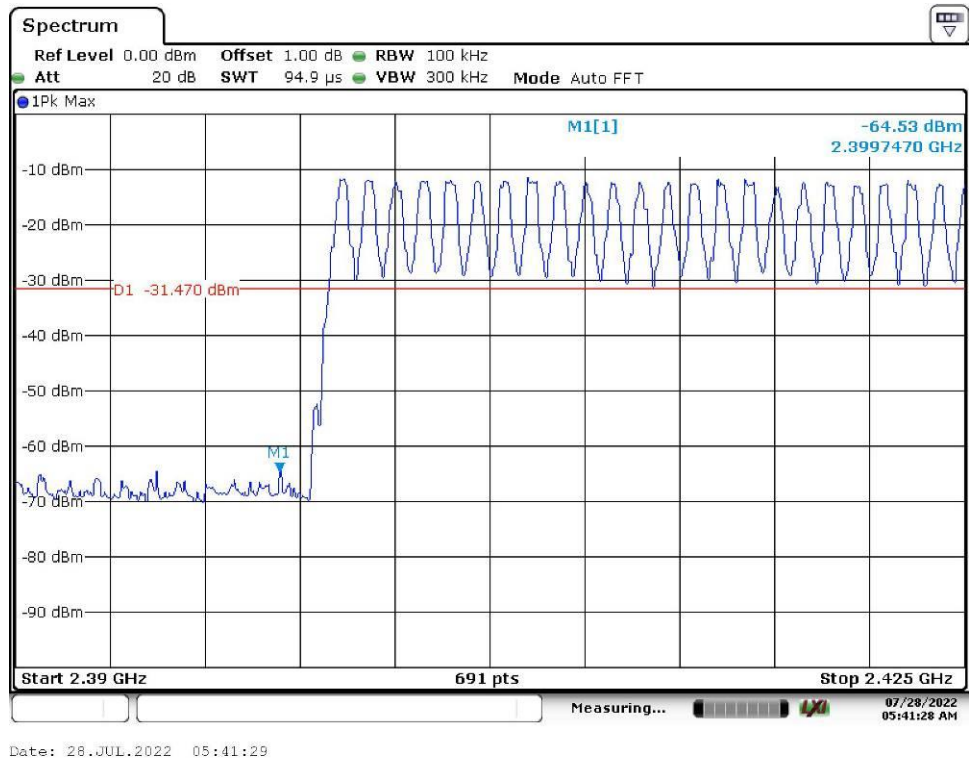


Date: 28.JUL.2022 05:40:09

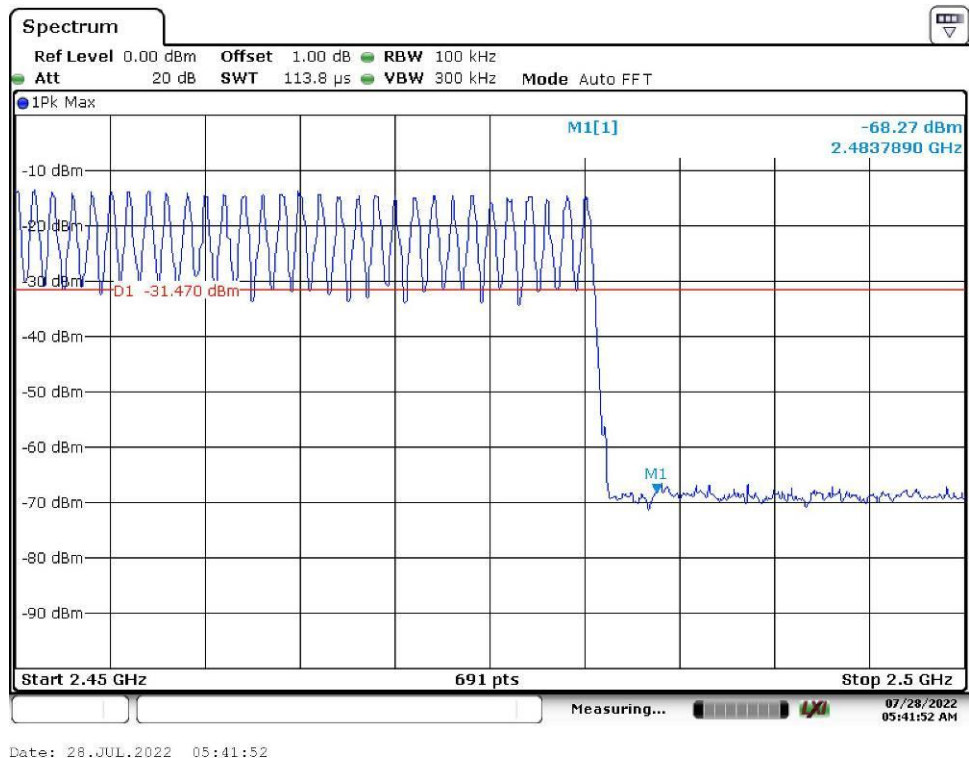


Date: 28.JUL.2022 05:42:58

Band Edge, Hopping Mode, Low Channel

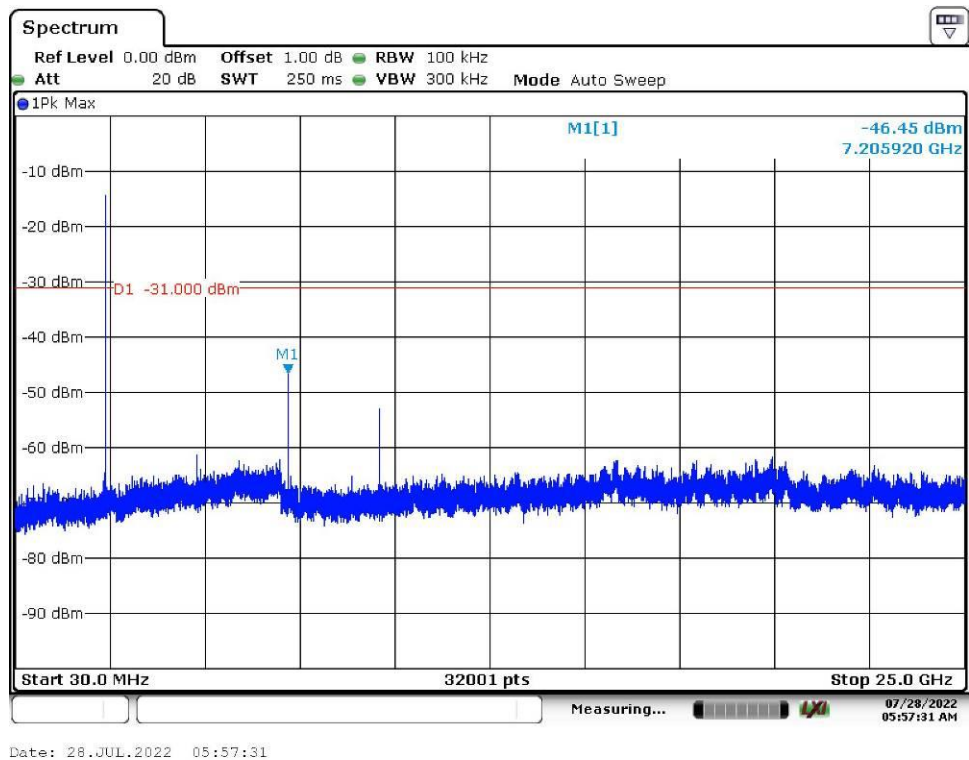
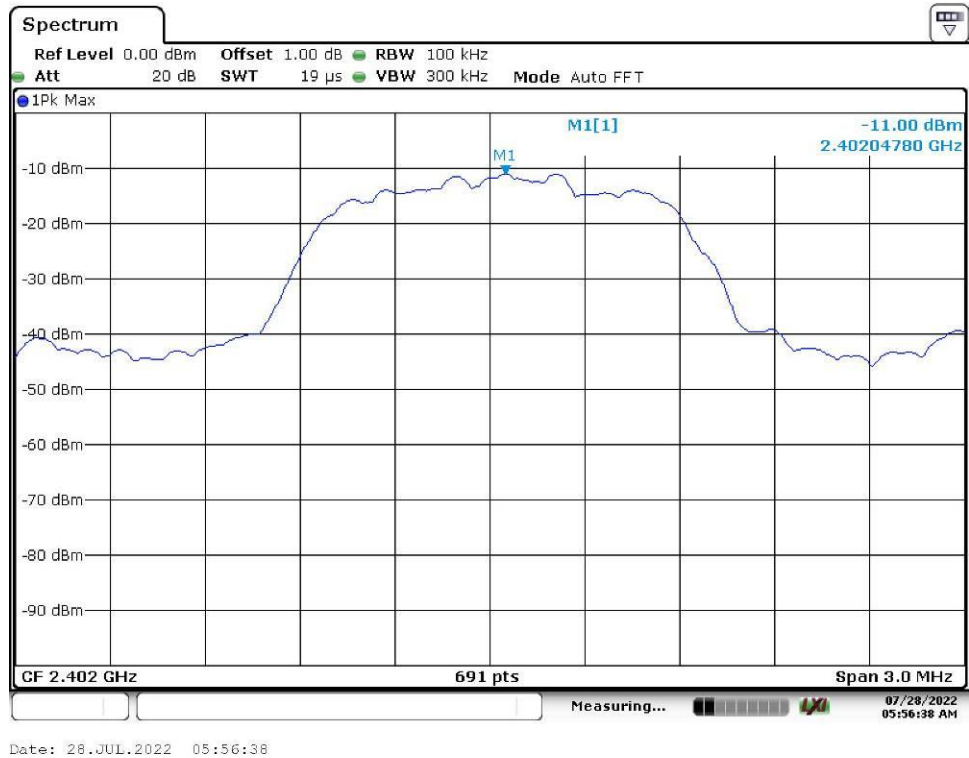


Band Edge, Hopping Mode, High Channle



EDR mode (8DPSK)

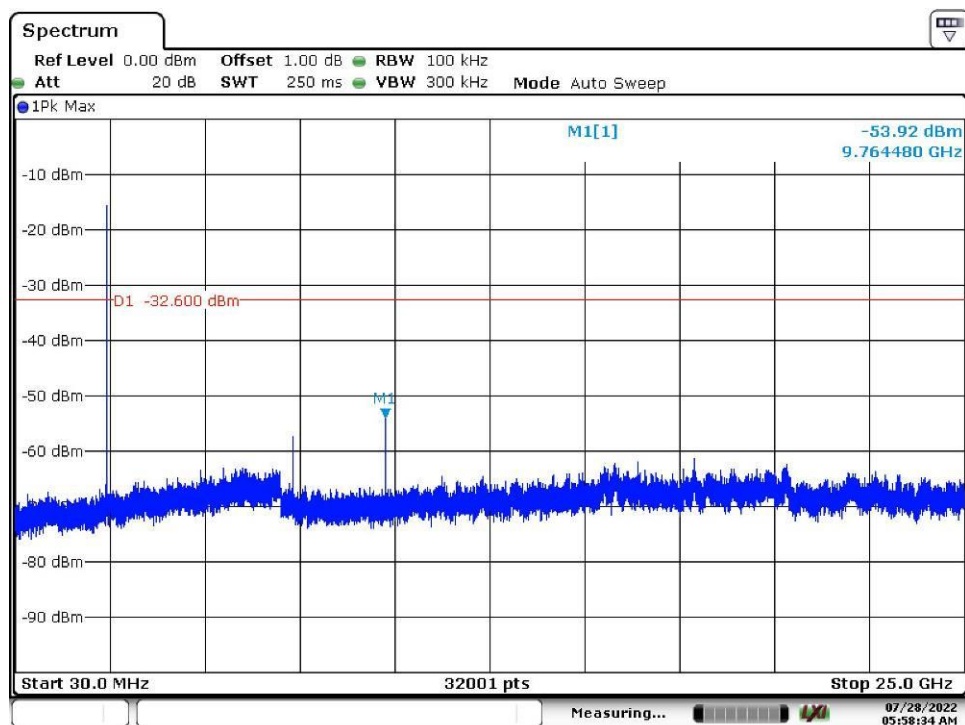
Low Channel



Middle Channel



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

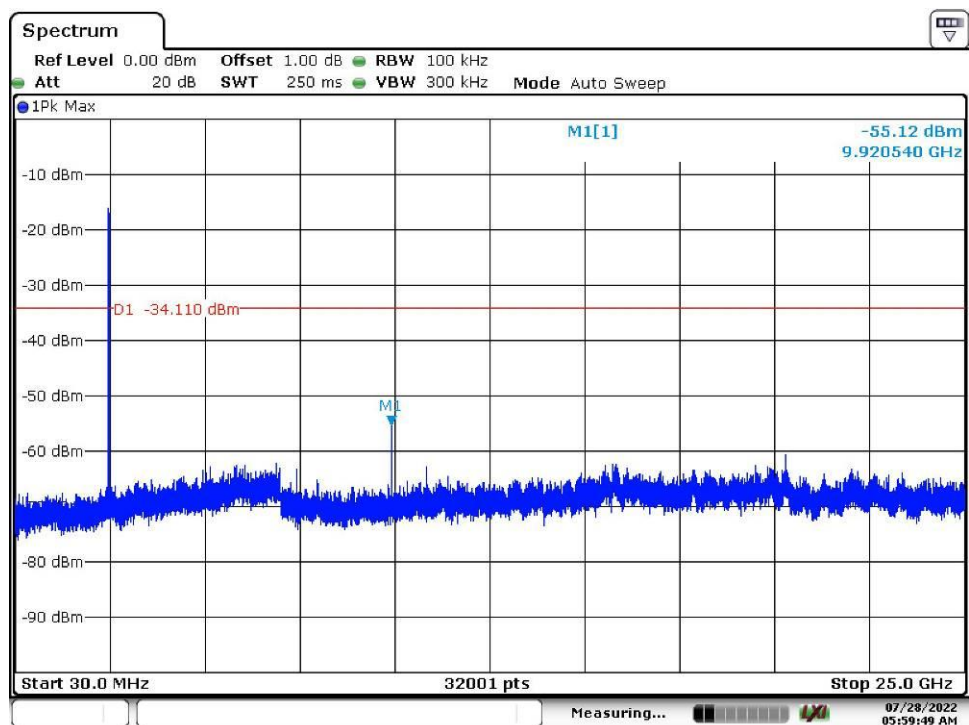


Date: 28.JUL.2022 05:58:34

High Channel

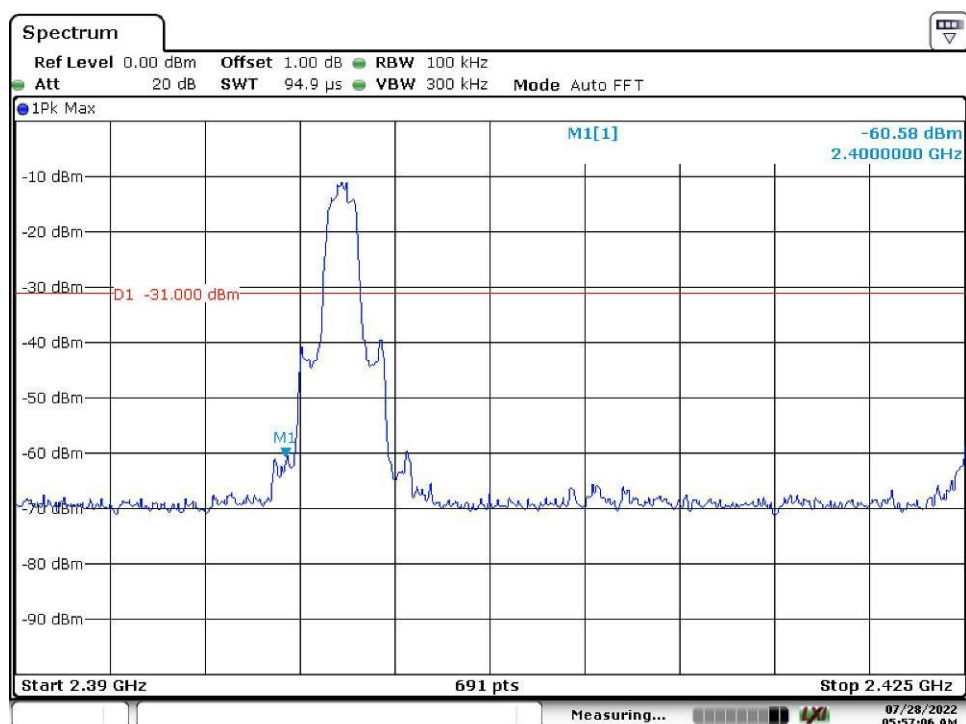


Date: 28.JUL.2022 05:59:05



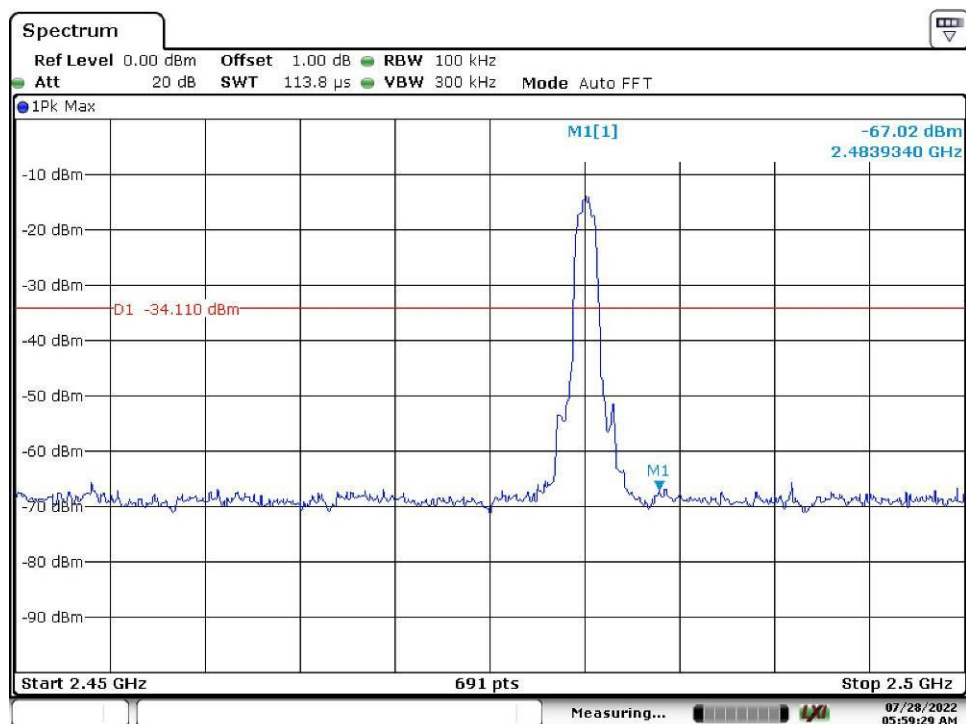
Date: 28.JUL.2022 05:59:49

Band Edge, Low Channel



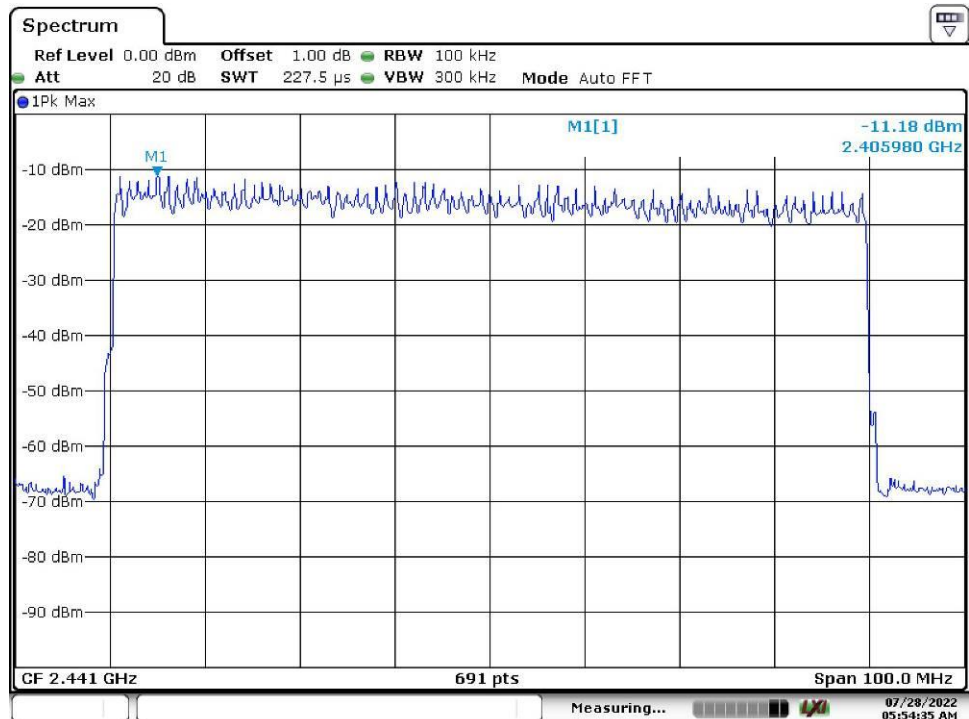
Date: 28.JUL.2022 05:57:07

Band Edge, High Channel

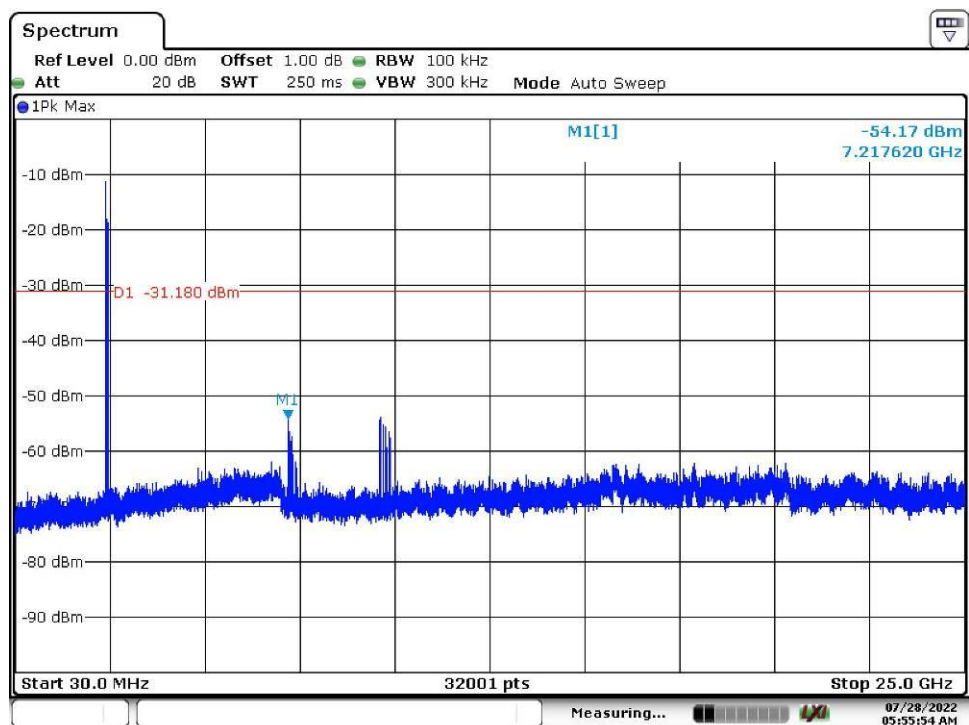


Date: 28.JUL.2022 05:59:30

Hopping Mode

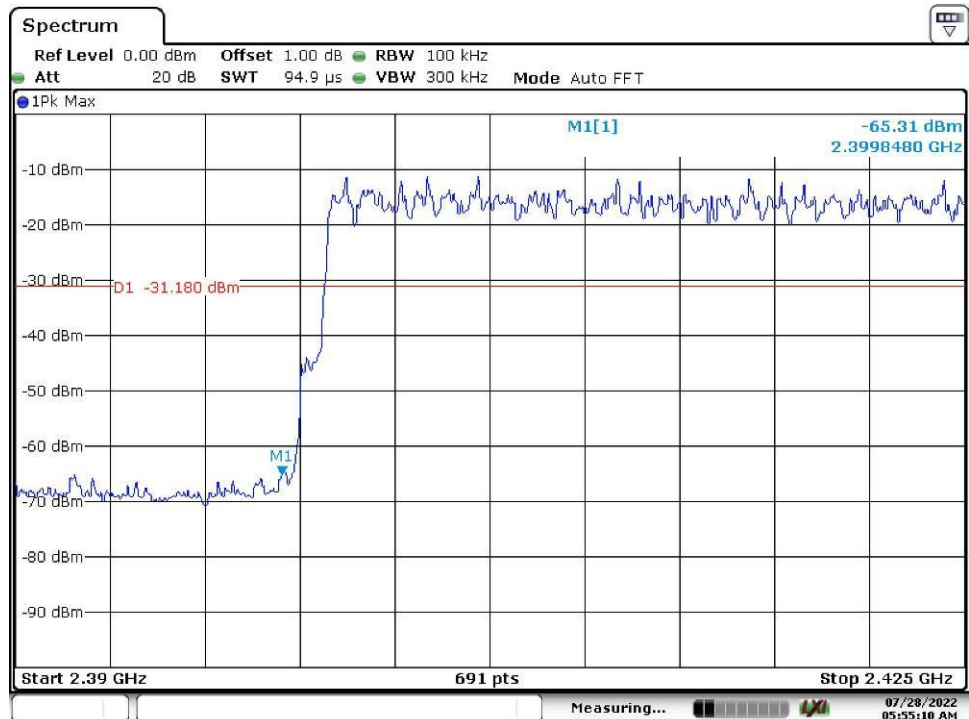


Date: 28.JUL.2022 05:54:35



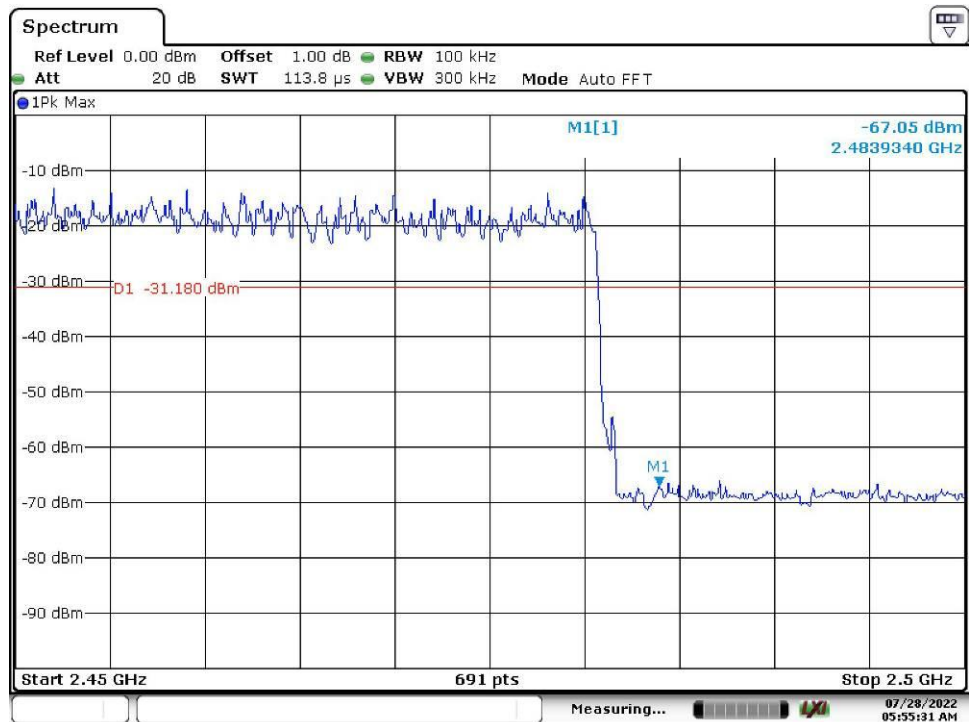
Date: 28.JUL.2022 05:55:54

Band Edge, Hopping Mode, Low Channel



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

Band Edge, Hopping Mode, High Channle



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.

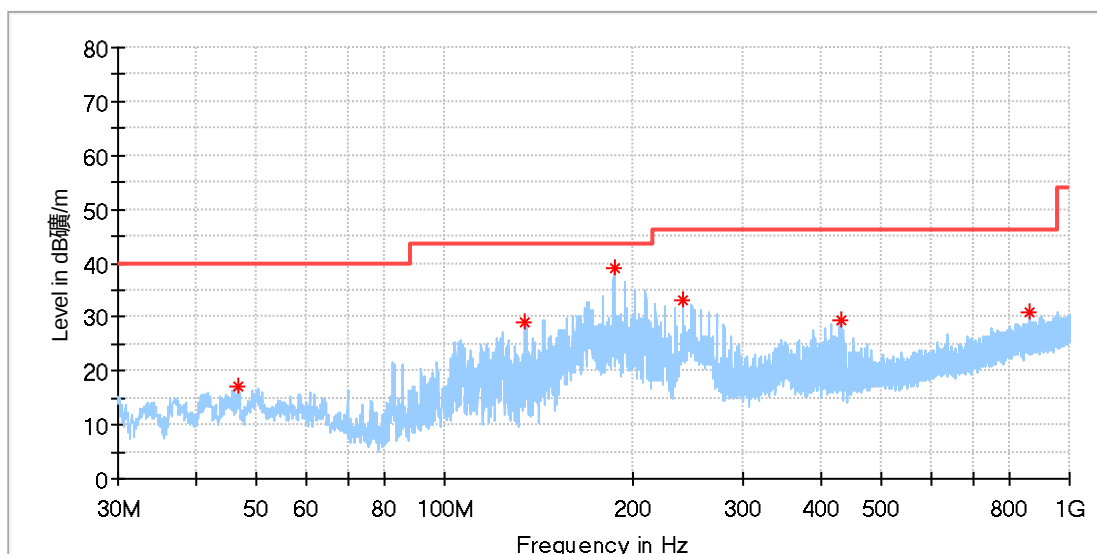
Appendix B.7: Test Results of Radiated Spurious Emissions

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

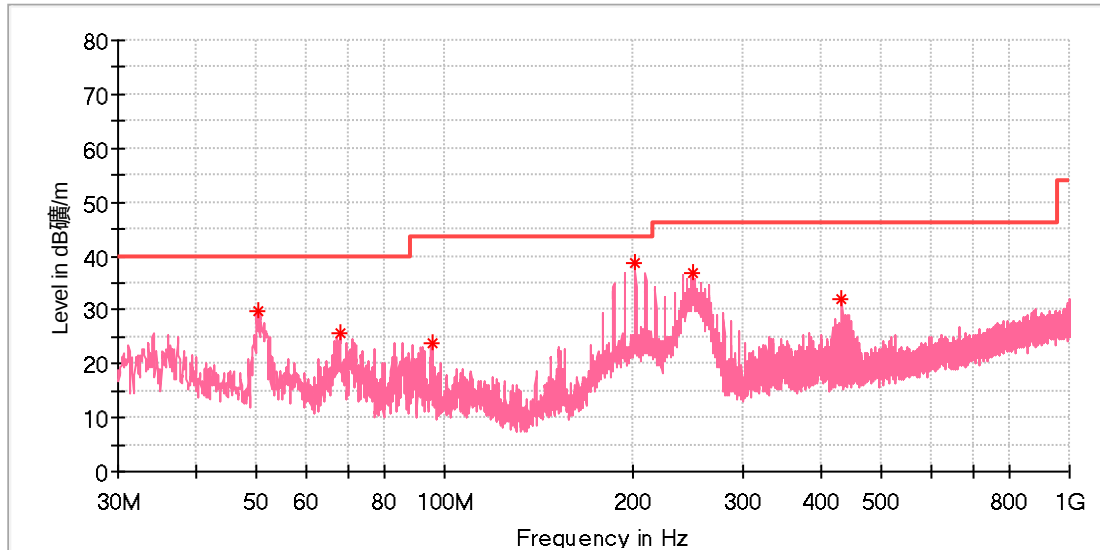


Critical Freqs

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

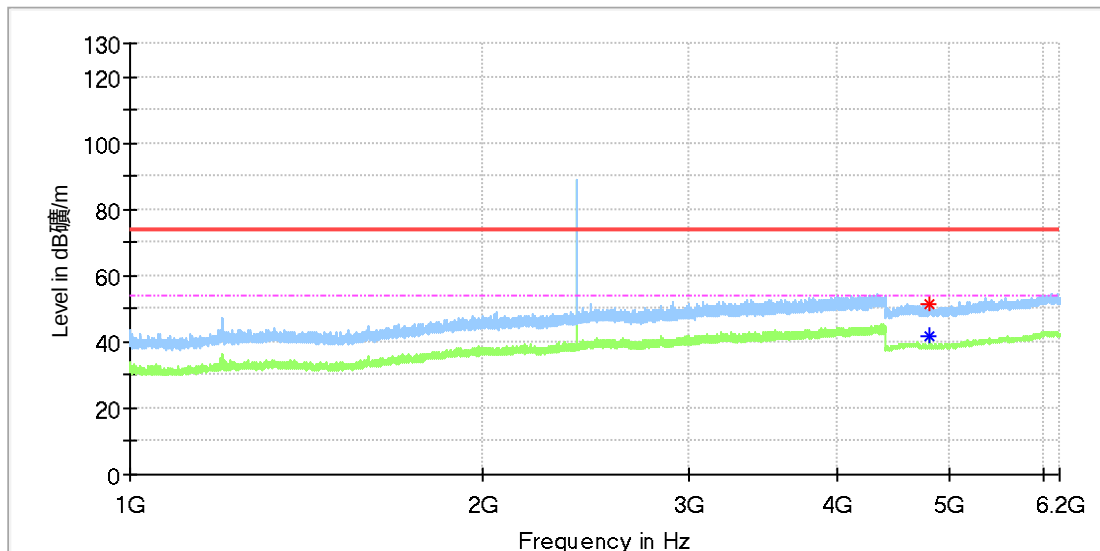
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.370000	29.95	40.00	10.05	100.0	V	6.0	-18.3
68.072500	25.64	40.00	14.36	100.0	V	249.0	-21.2
95.572000	23.93	43.50	19.57	100.0	V	296.0	-19.7
202.029500	38.64	43.50	4.86	100.0	V	106.0	-18.9
248.735000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

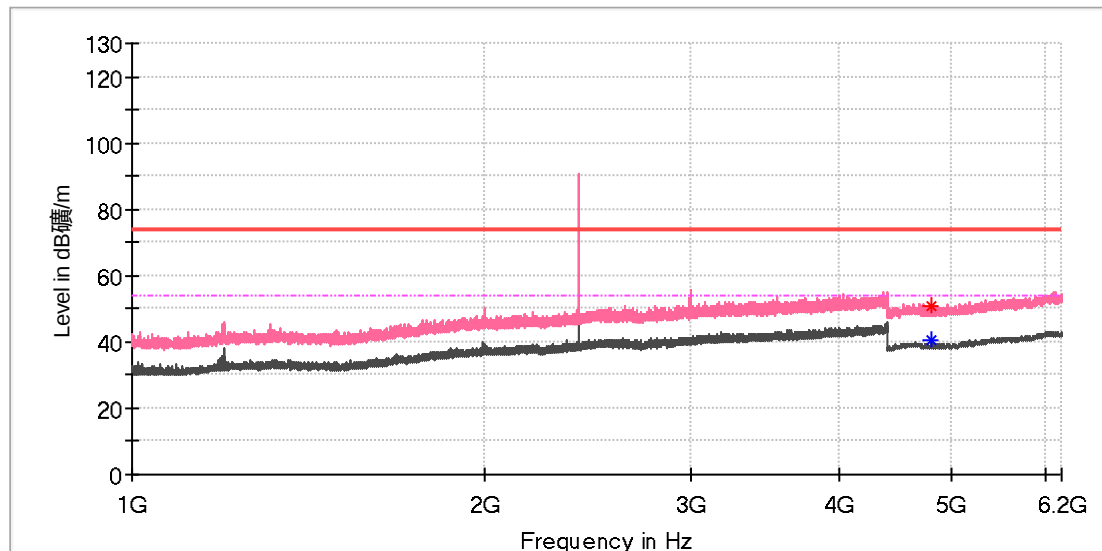


Critical Freqs

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

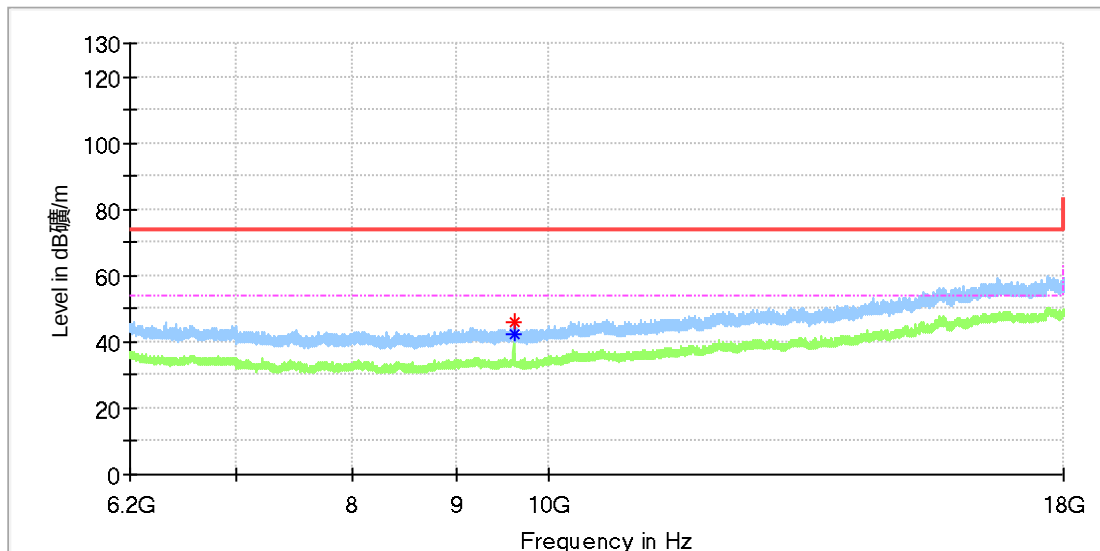


Critical_Freqs

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

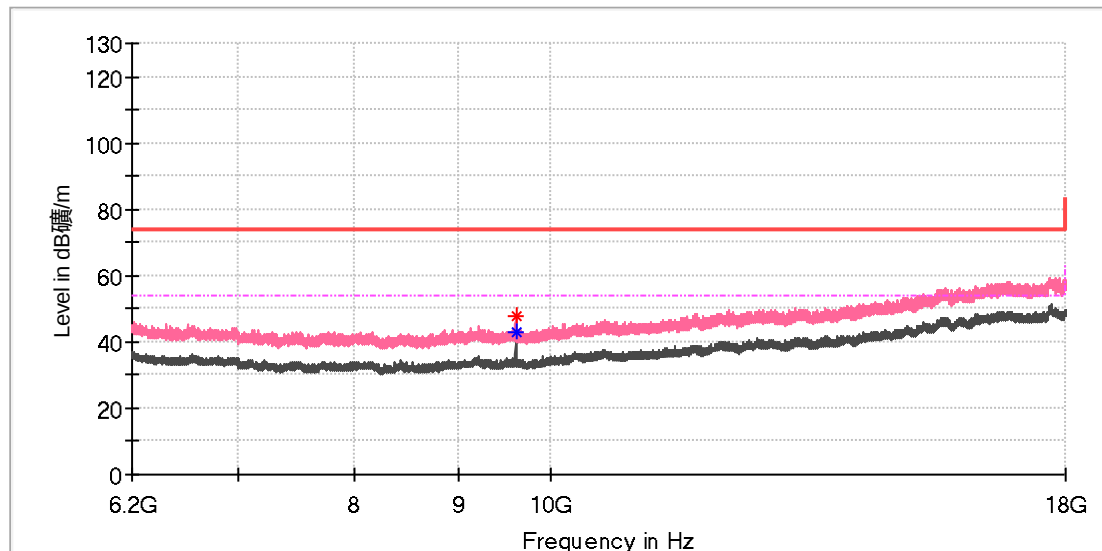


Critical_Freqs

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

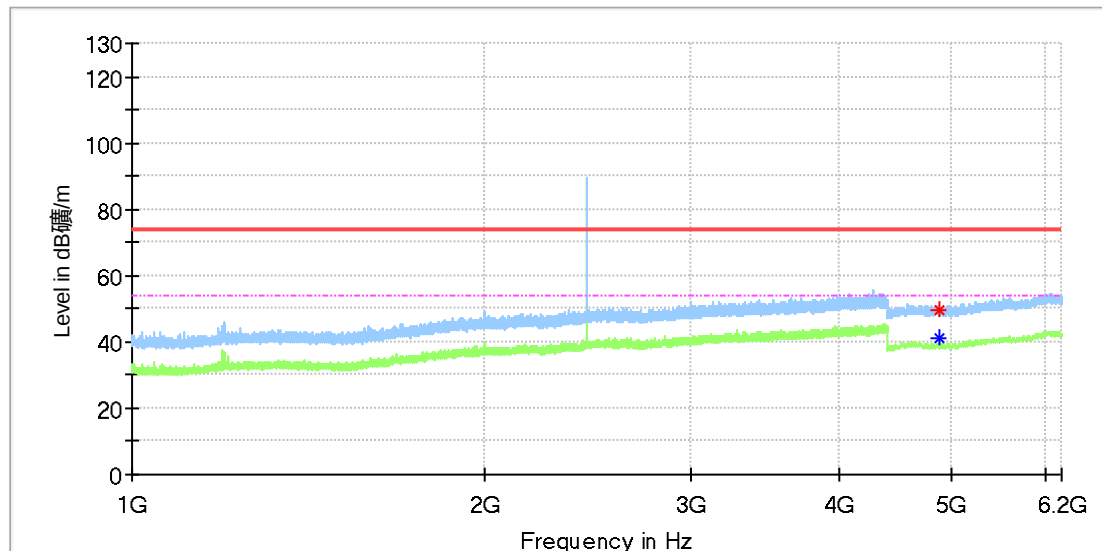


Critical Freqs

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

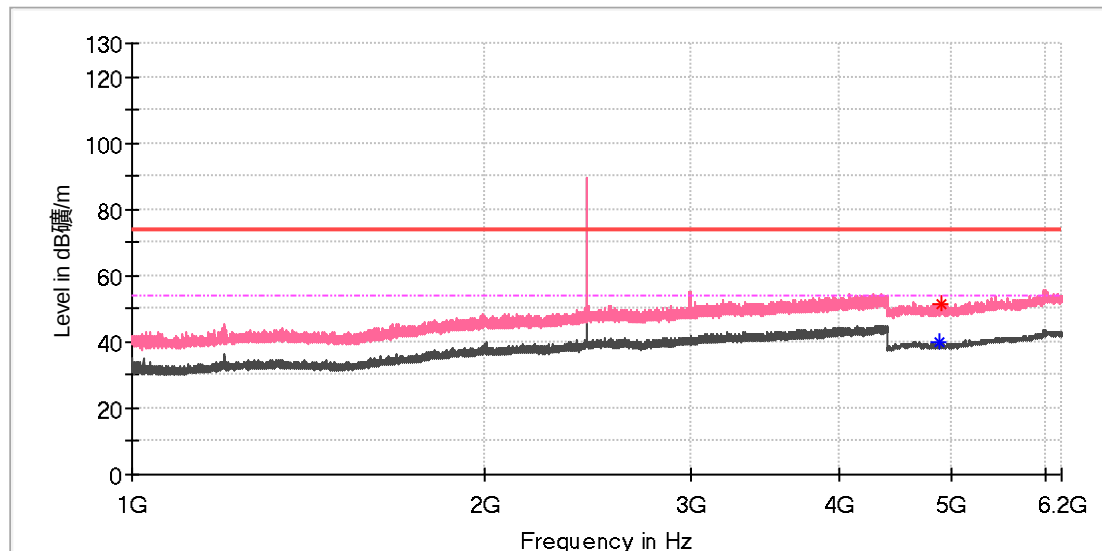


Critical Freqs

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

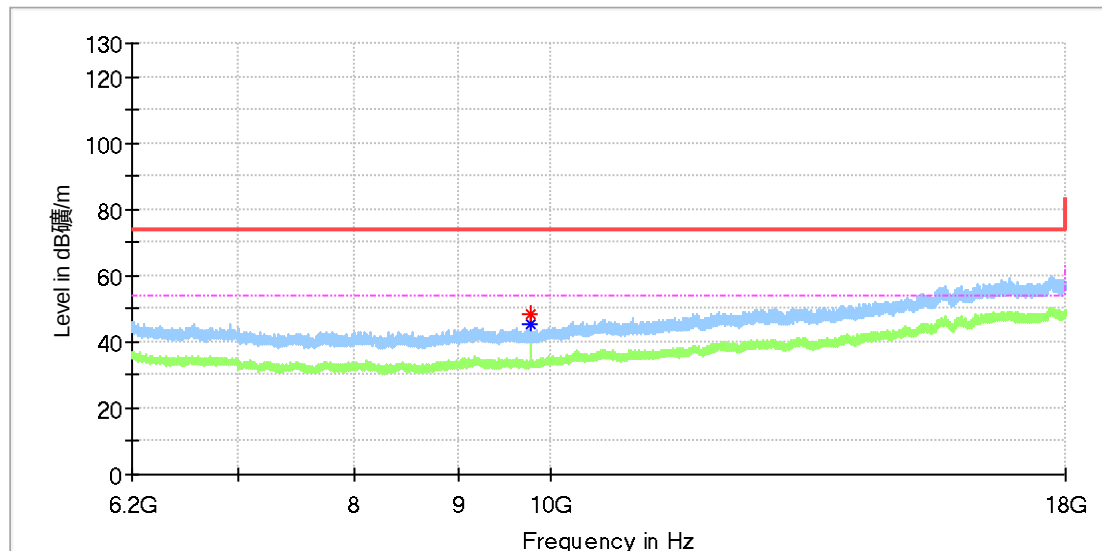


Critical_Freqs

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

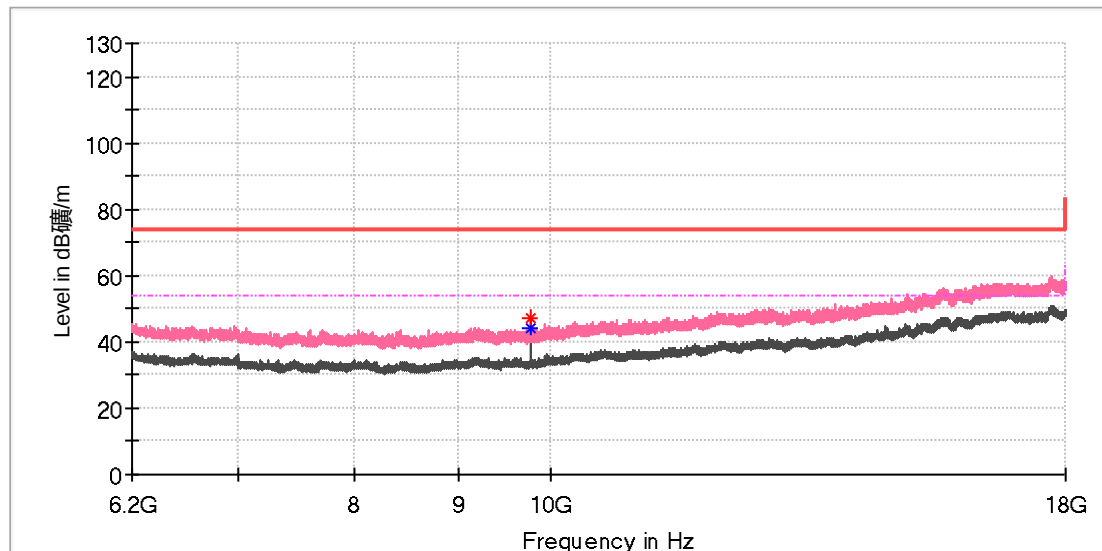


Critical_Freqs

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

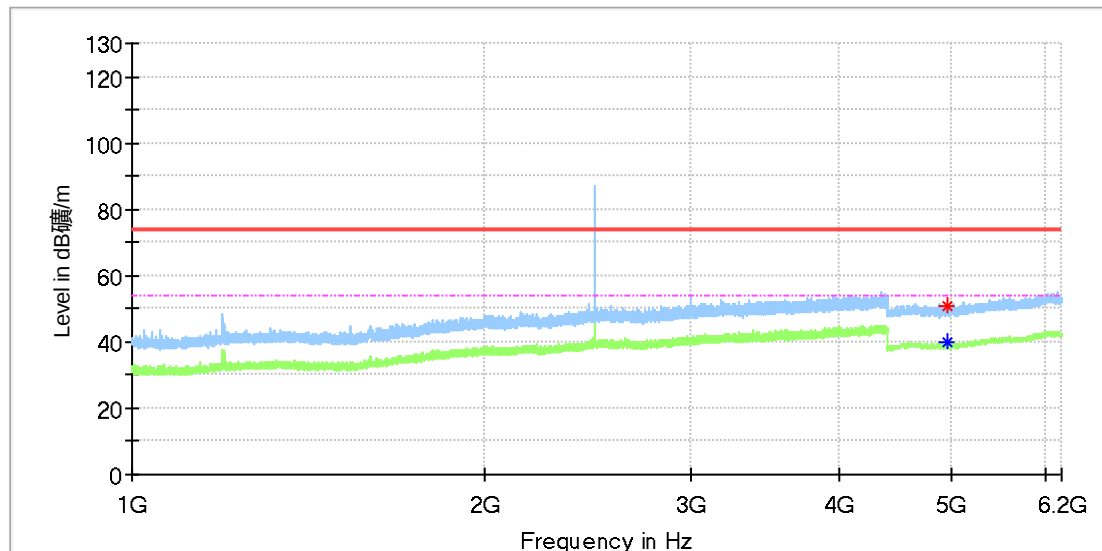


Critical_Freqs

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

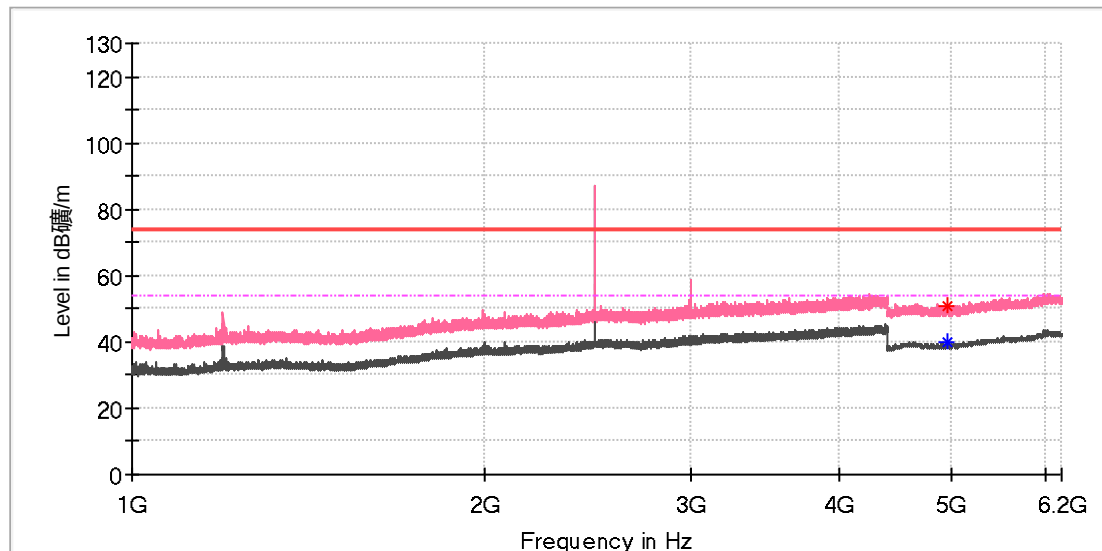


Critical_Freqs

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

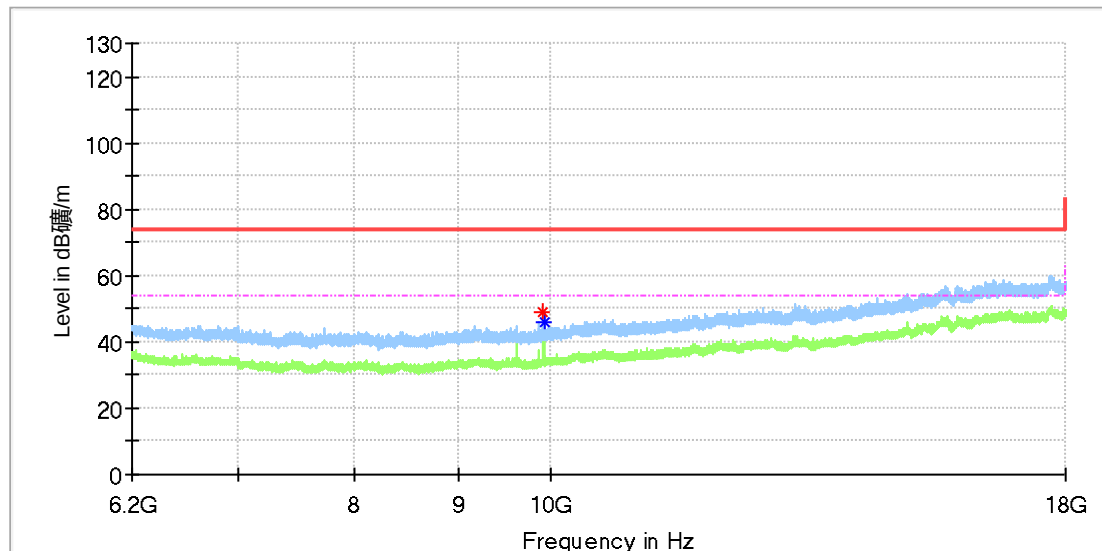


Critical_Freqs

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

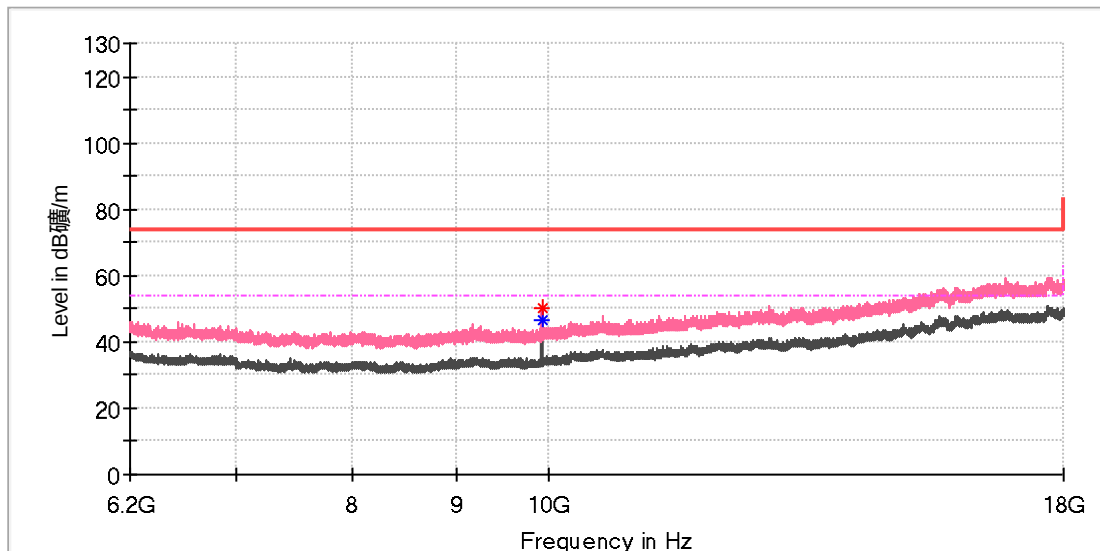


Critical_Freqs

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



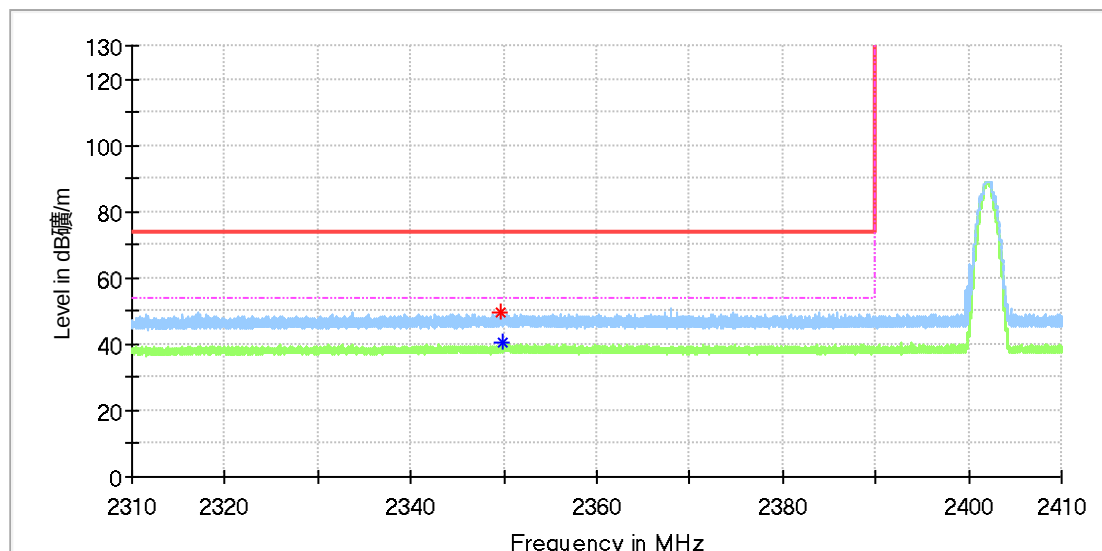
Critical_Freqs

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

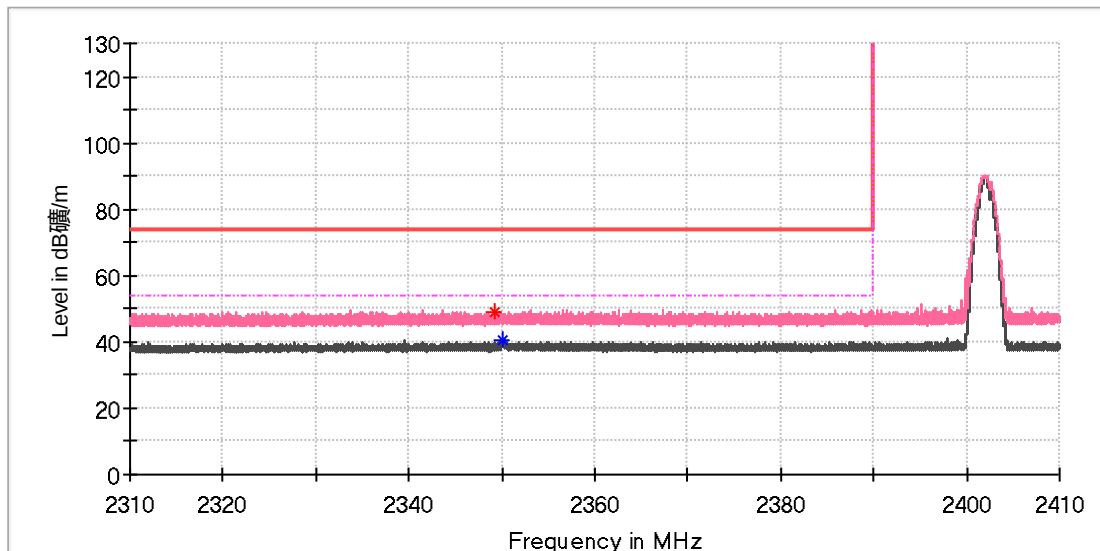


Critical_Freqs

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

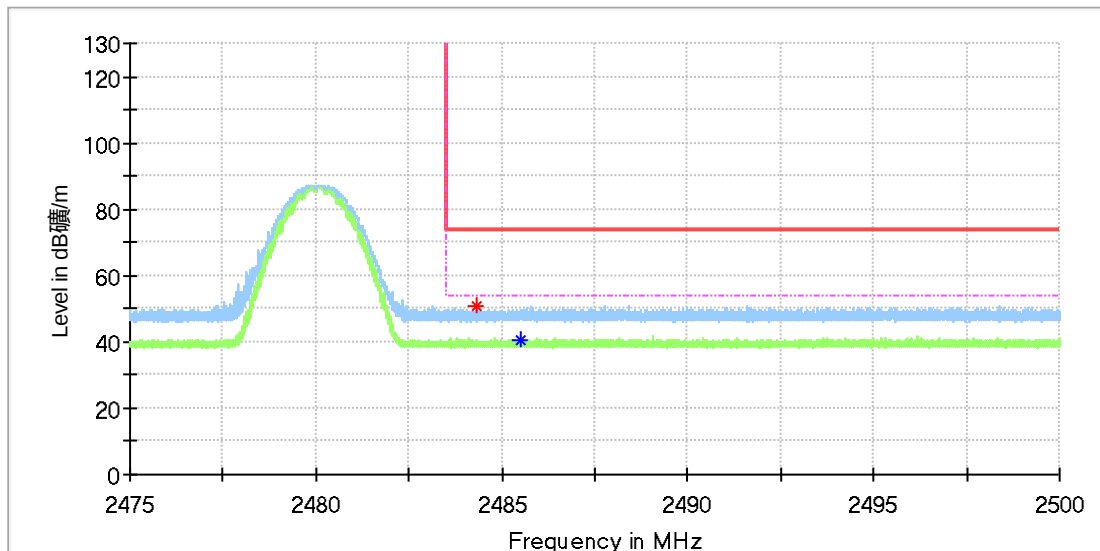


Critical_Freqs

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

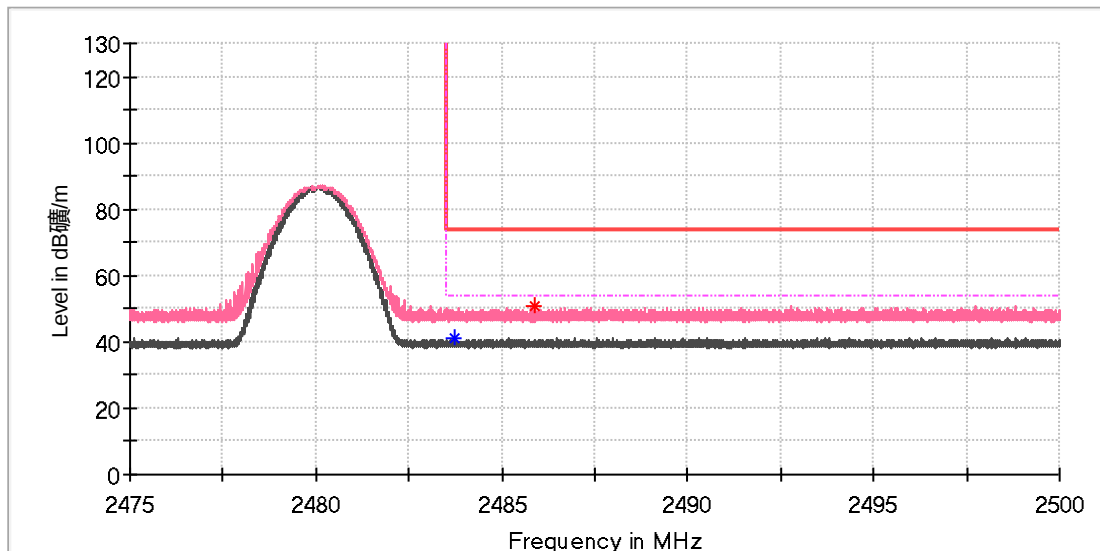


Critical_Freqs

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



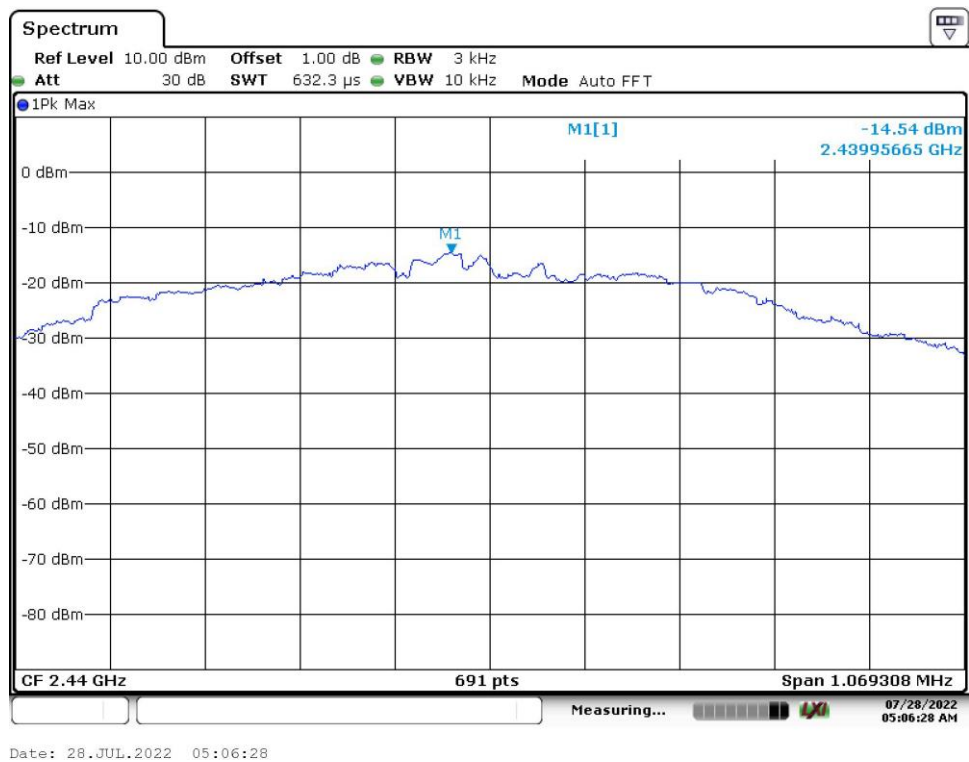
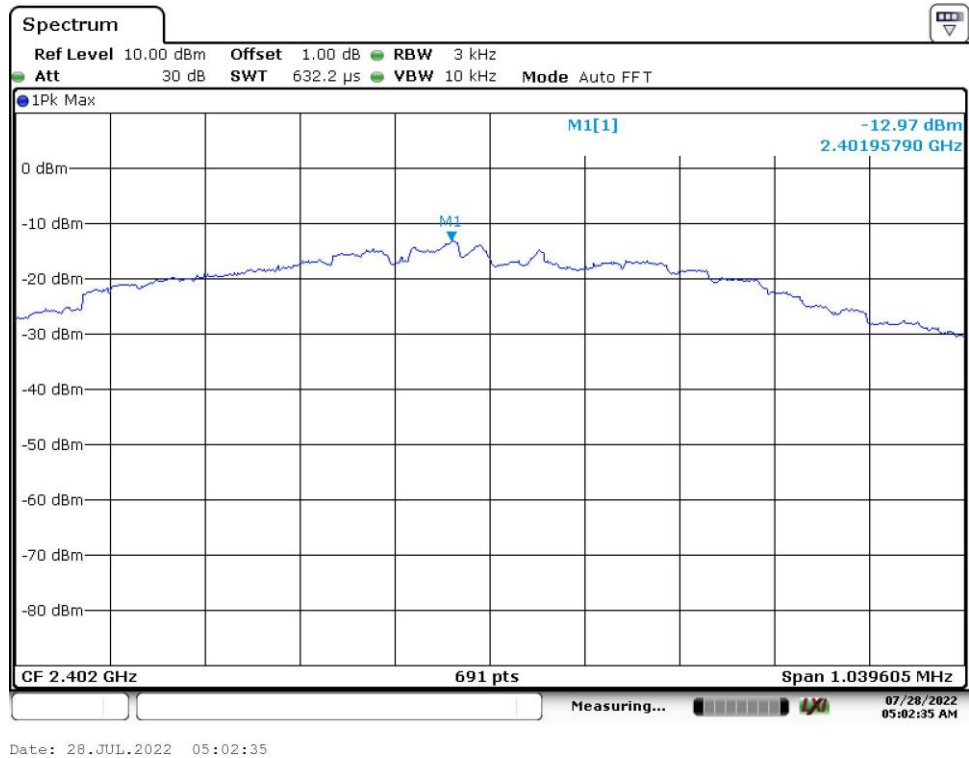
Critical_Freqs

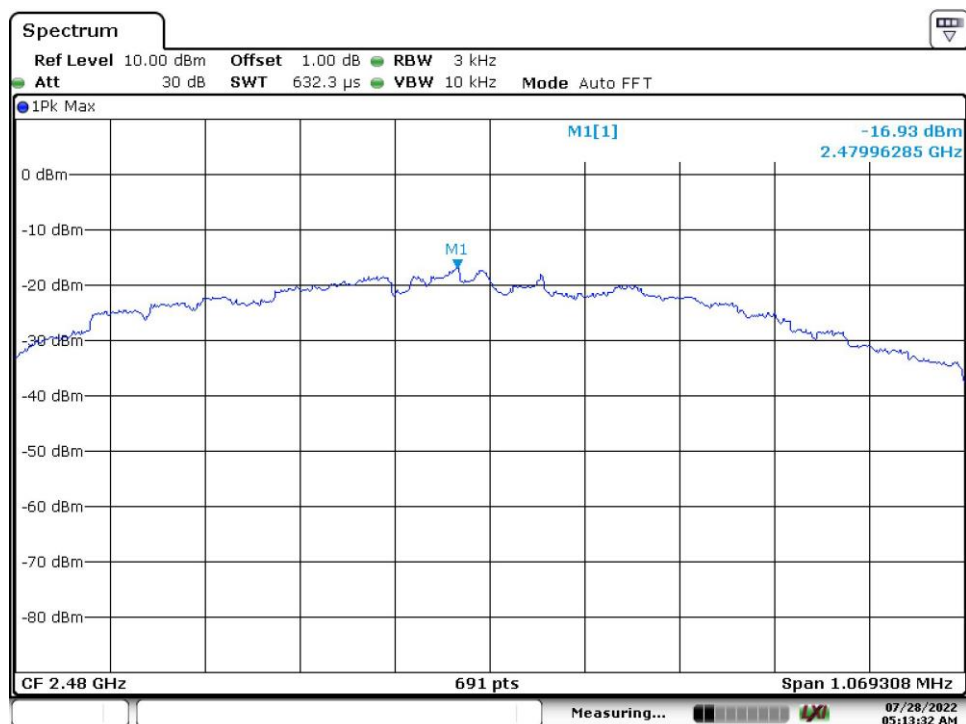
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.741250	---	40.84	54.00	13.16	150.0	V	225.0	7.4
2485.910000	50.72	---	74.00	23.28	150.0	V	357.0	7.4

Appendix C: Test Results of Bluetooth Low Energy

APPENDIX C: TEST RESULTS OF BLUETOOTH LOW ENERGY	1
APPENDIX C.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
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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

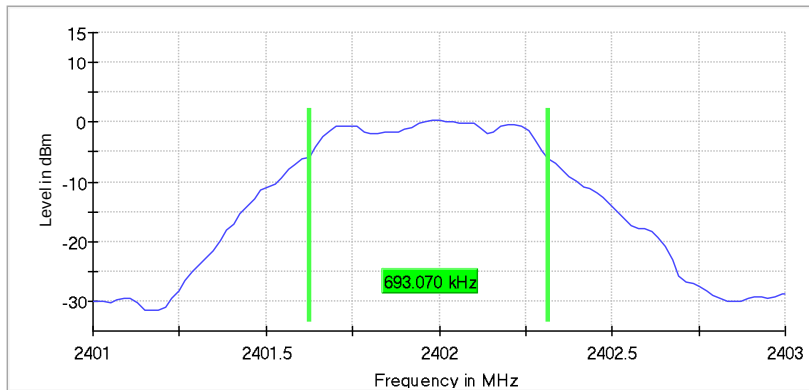
6 dB Bandwidth

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

6 dB Bandwidth



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

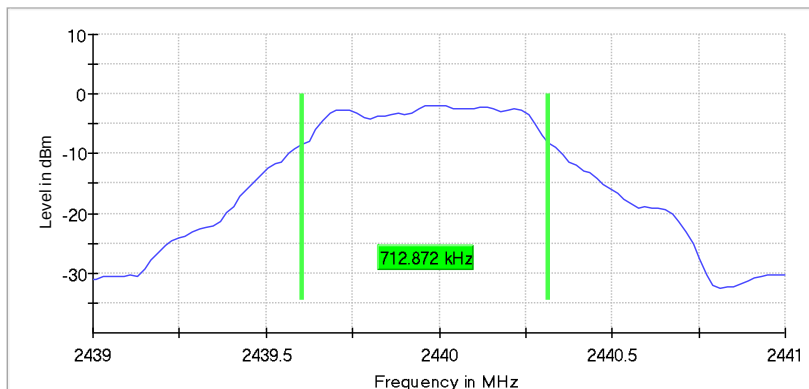
6 dB Bandwidth

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

6 dB Bandwidth



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

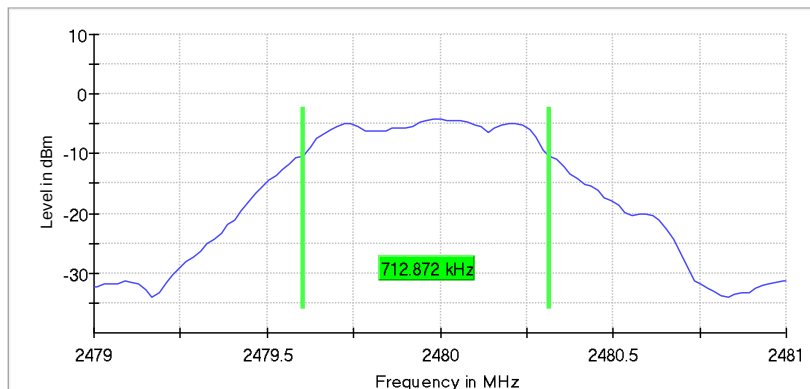
6 dB Bandwidth

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

6 dB Bandwidth



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)

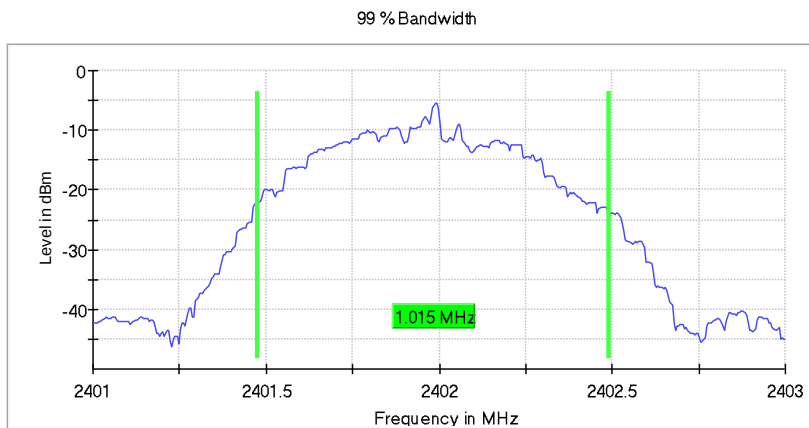
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

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)

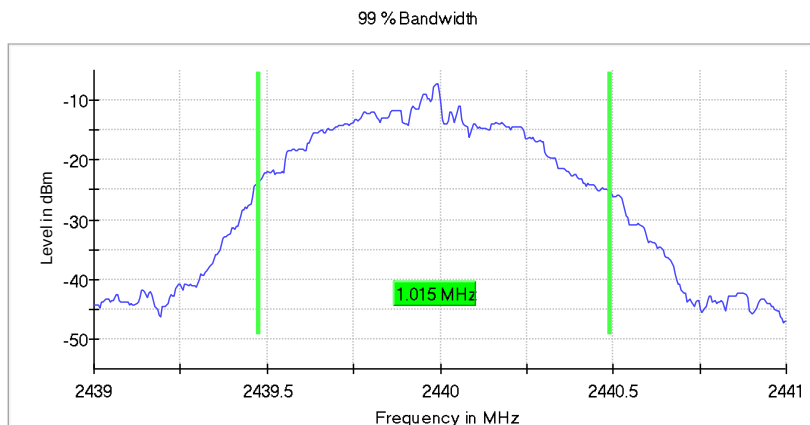
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

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)

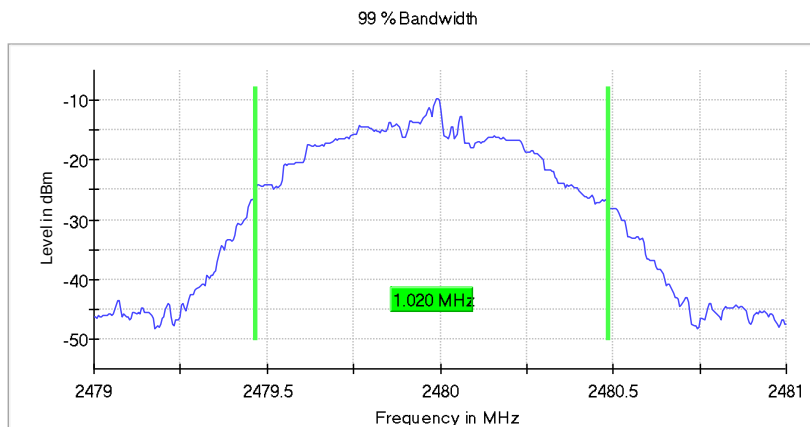
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

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

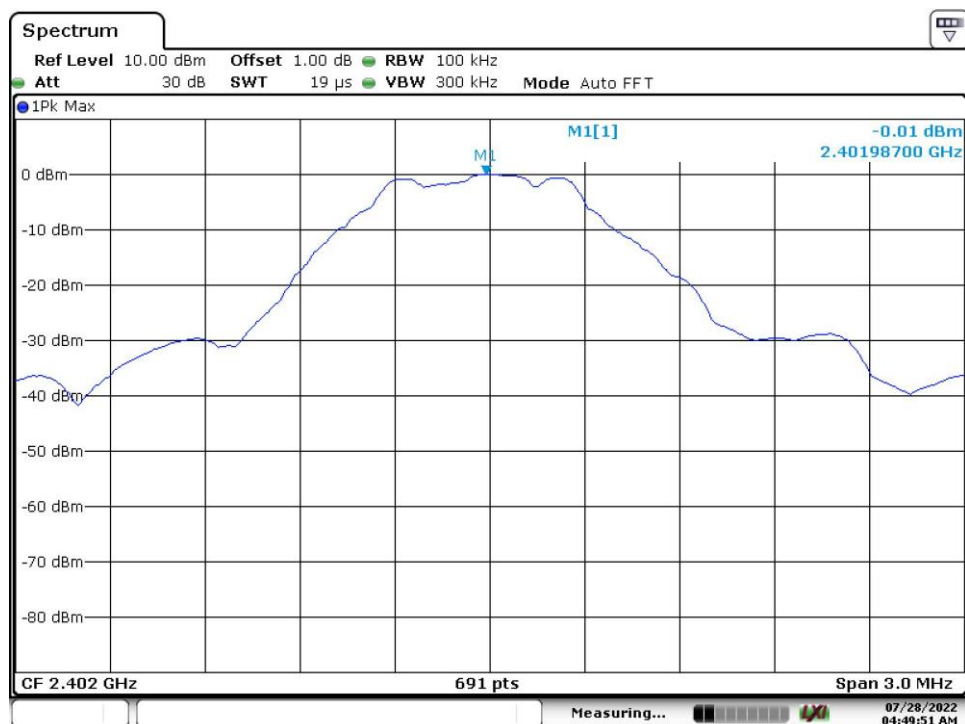


Measurement

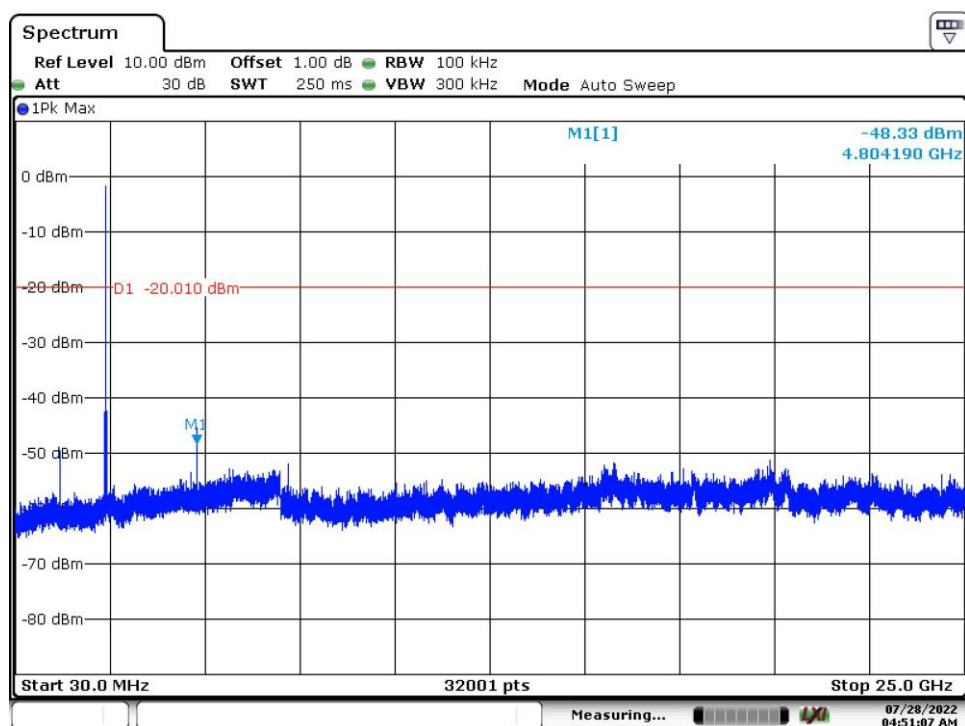
Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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

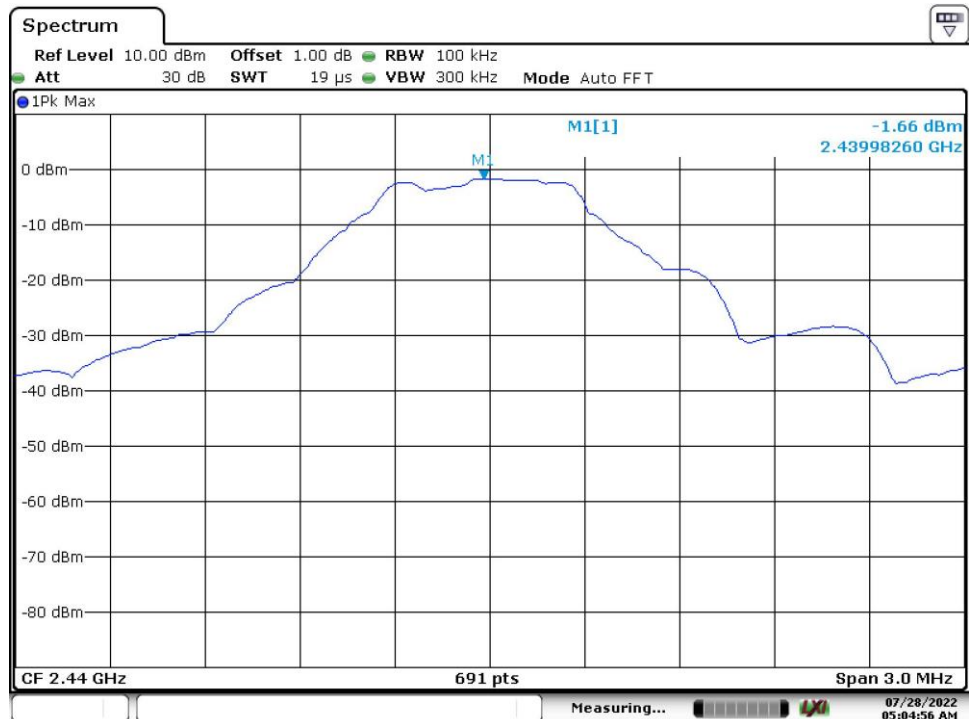


Date: 28.JUL.2022 04:49:51

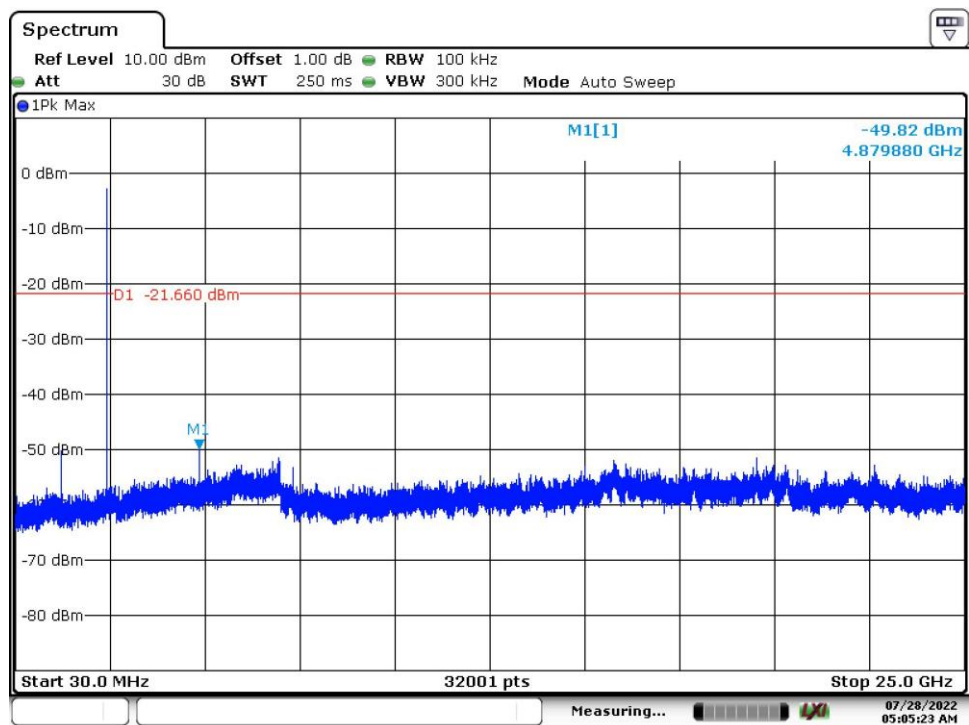


Date: 28.JUL.2022 04:51:07

Middle Channel

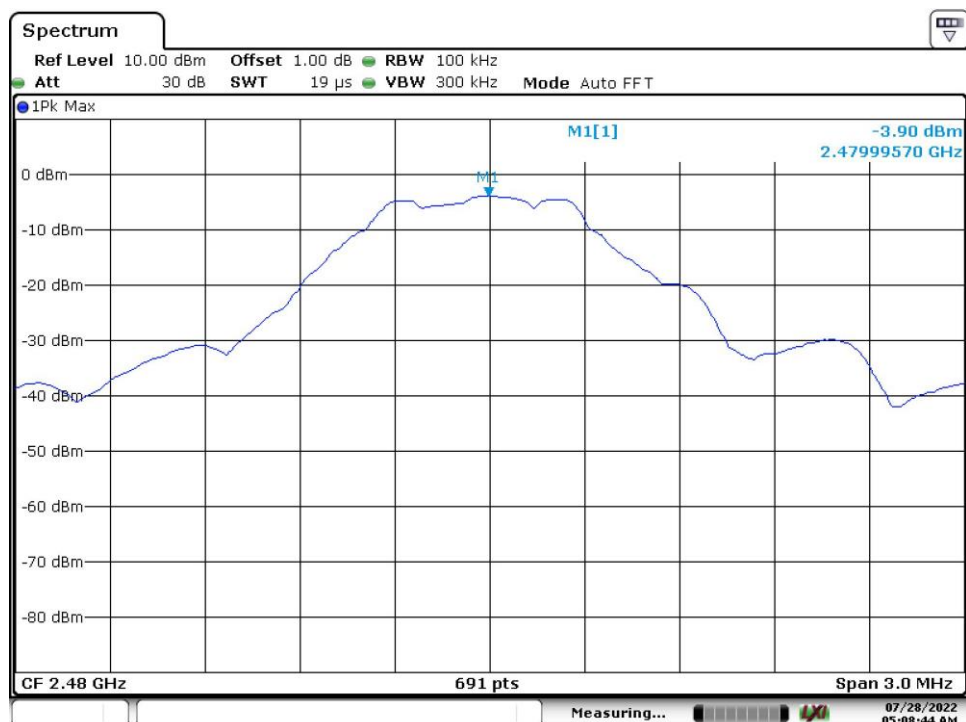


Date: 28.JUL.2022 05:04:56

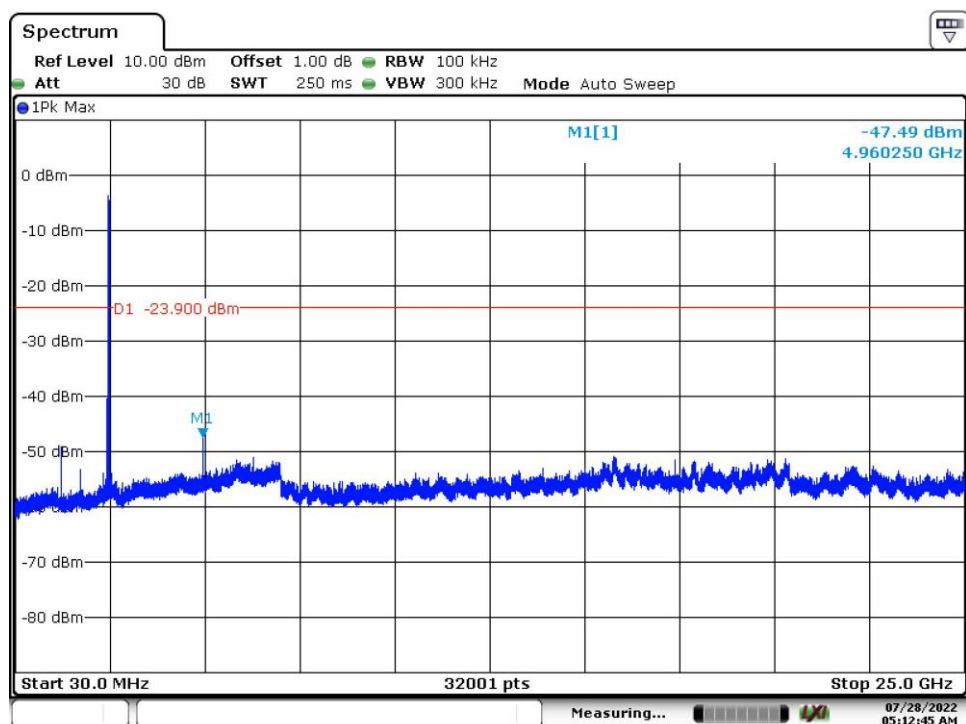


Date: 28.JUL.2022 05:05:23

High Channel

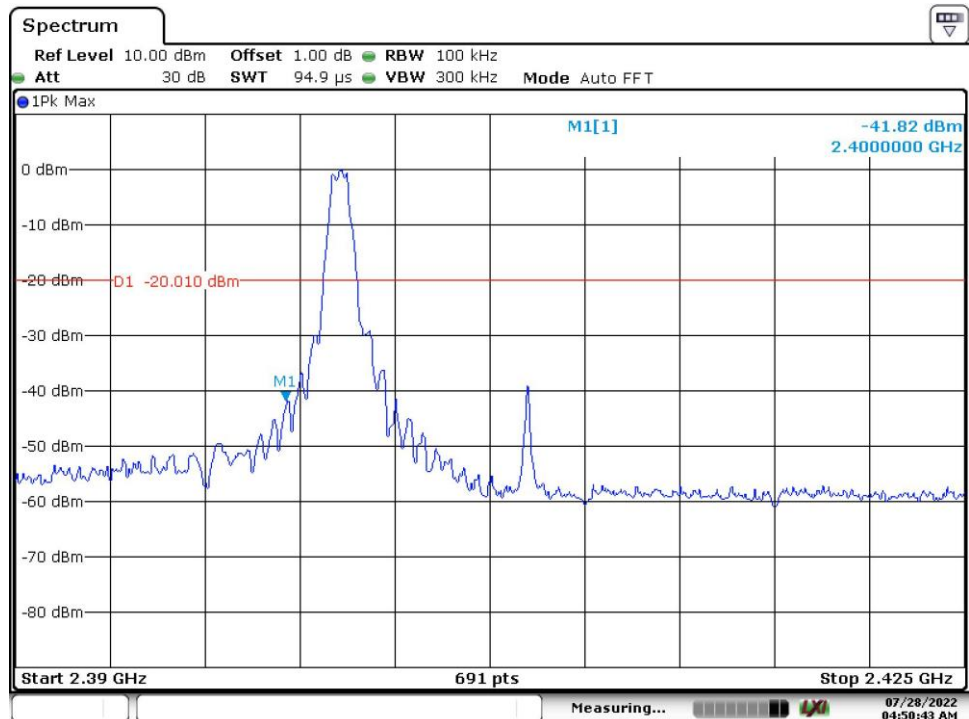


Date: 28.JUL.2022 05:08:45



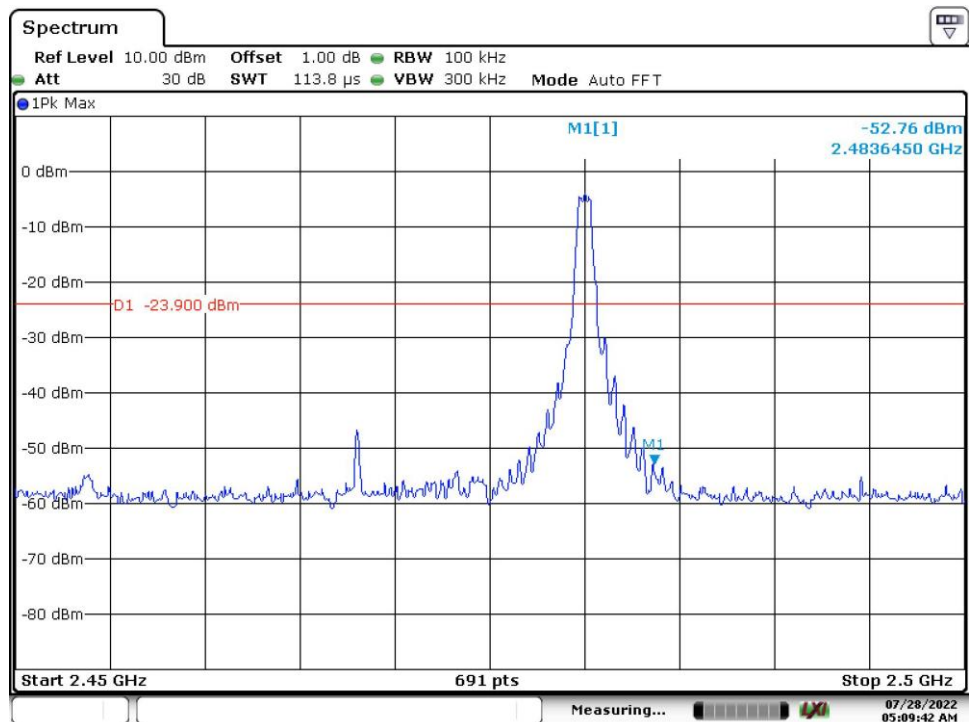
Date: 28.JUL.2022 05:12:46

Band Edge, Low Channel



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

Band Edge, High Channel



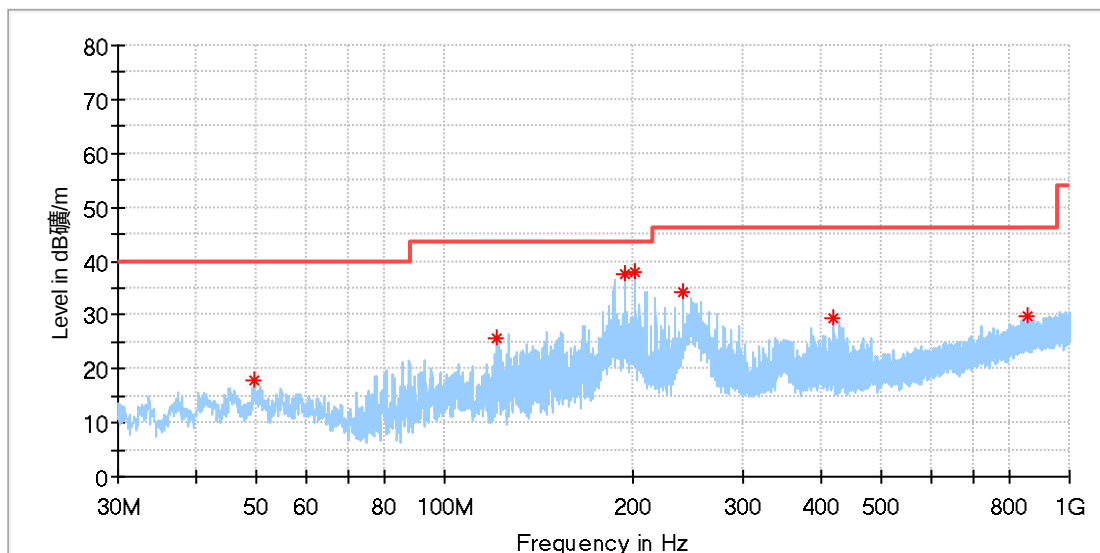
Date: 28.JUL.2022 05:09:42

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

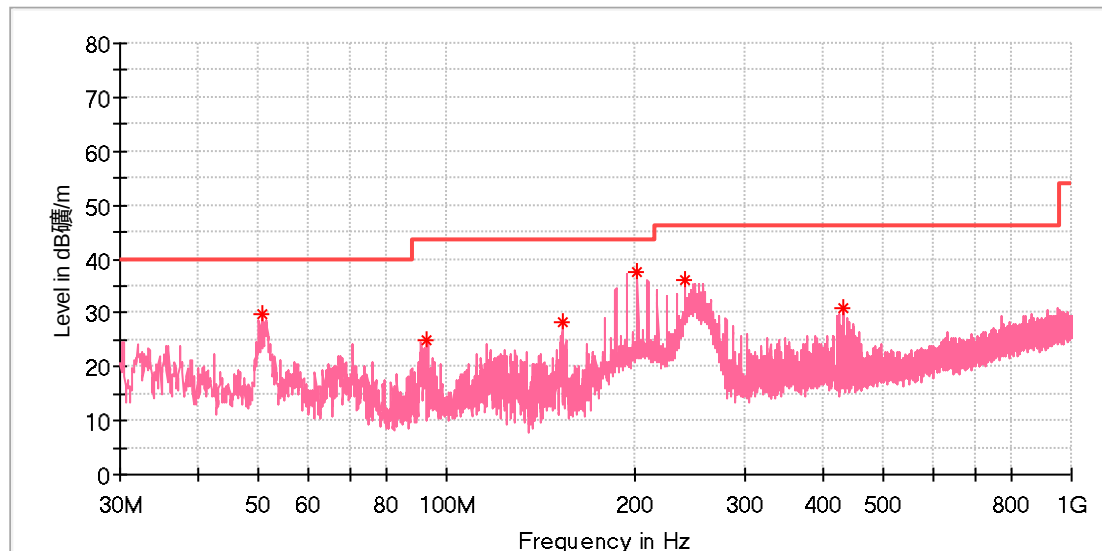


Critical_Freqs

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

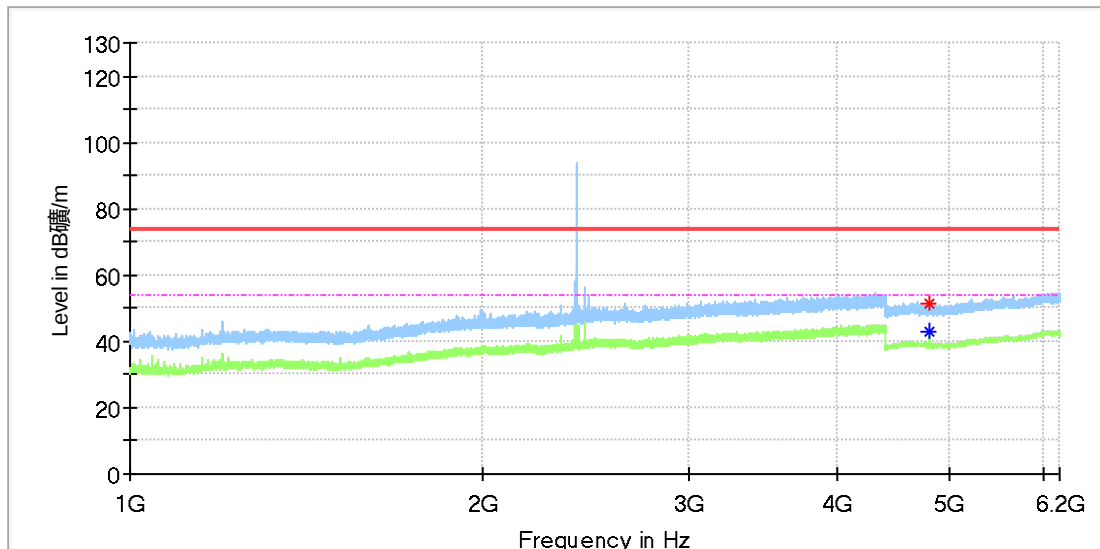
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.709500	29.71	40.00	10.29	100.0	V	270.0	-18.3
93.147000	25.03	43.50	18.47	100.0	V	256.0	-20.2
152.850500	28.31	43.50	15.19	100.0	V	98.0	-22.1
202.029500	37.65	43.50	5.85	100.0	V	154.0	-18.9
240.926500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

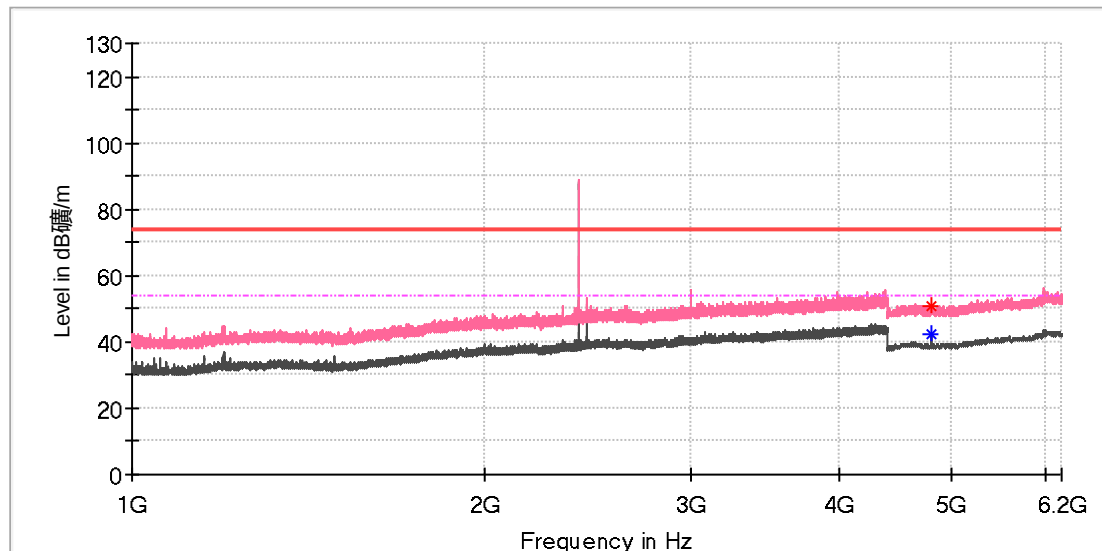


Critical_Freqs

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

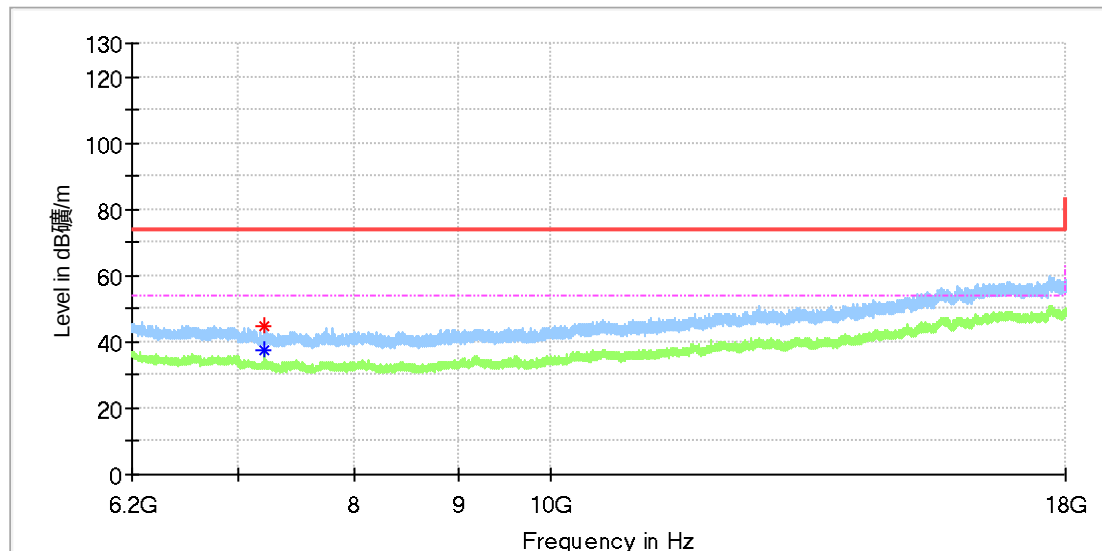


Critical_Freqs

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

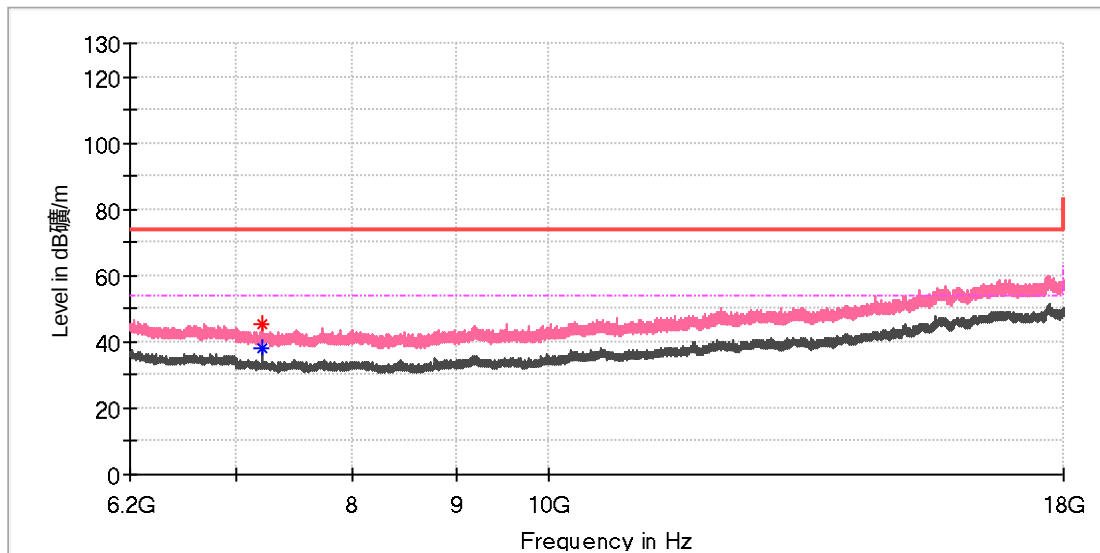


Critical Freqs

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

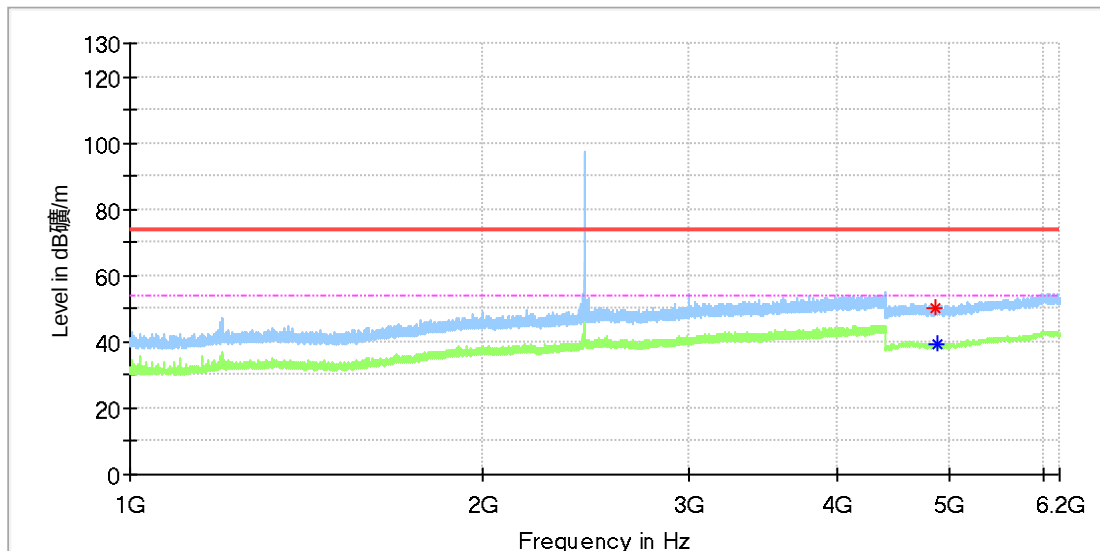


Critical_Freqs

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

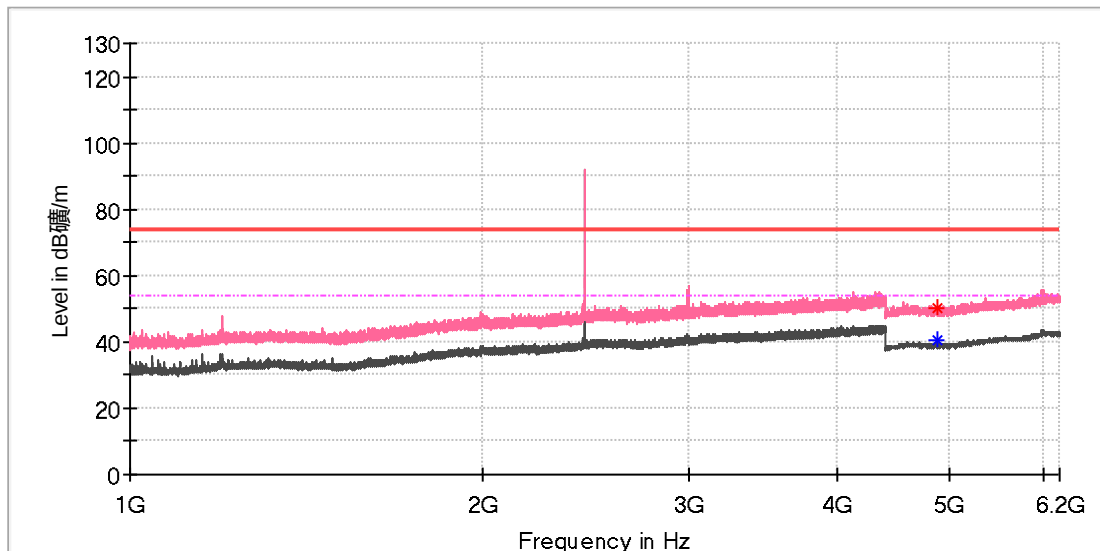


Critical_Freqs

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

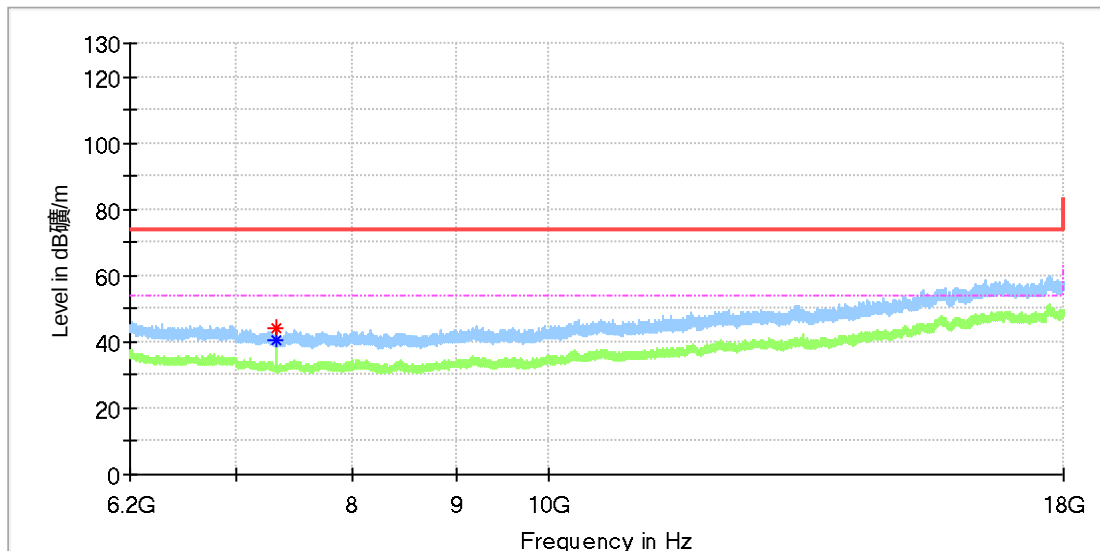


Critical_Freqs

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

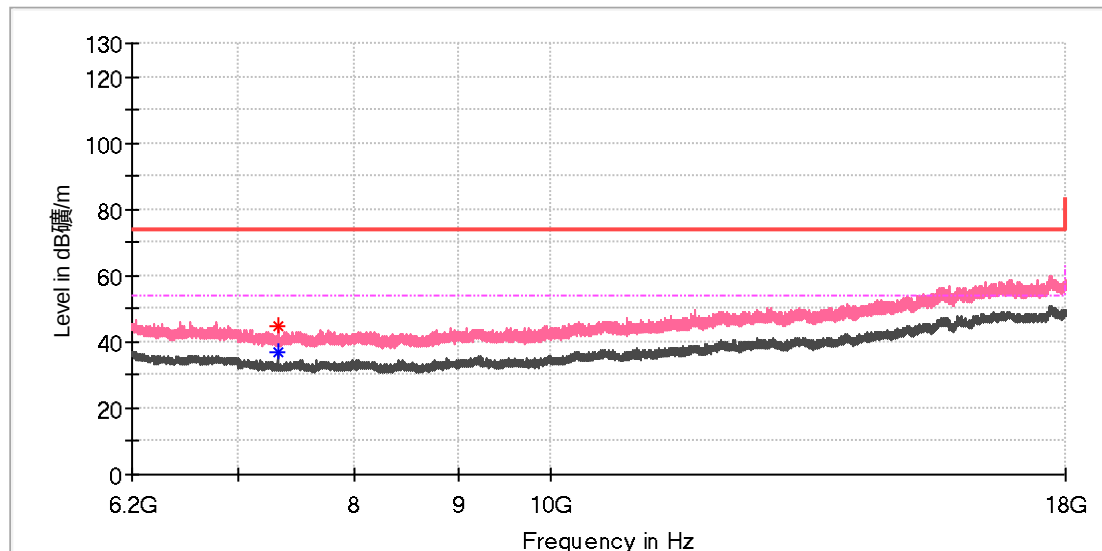


Critical_Freqs

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

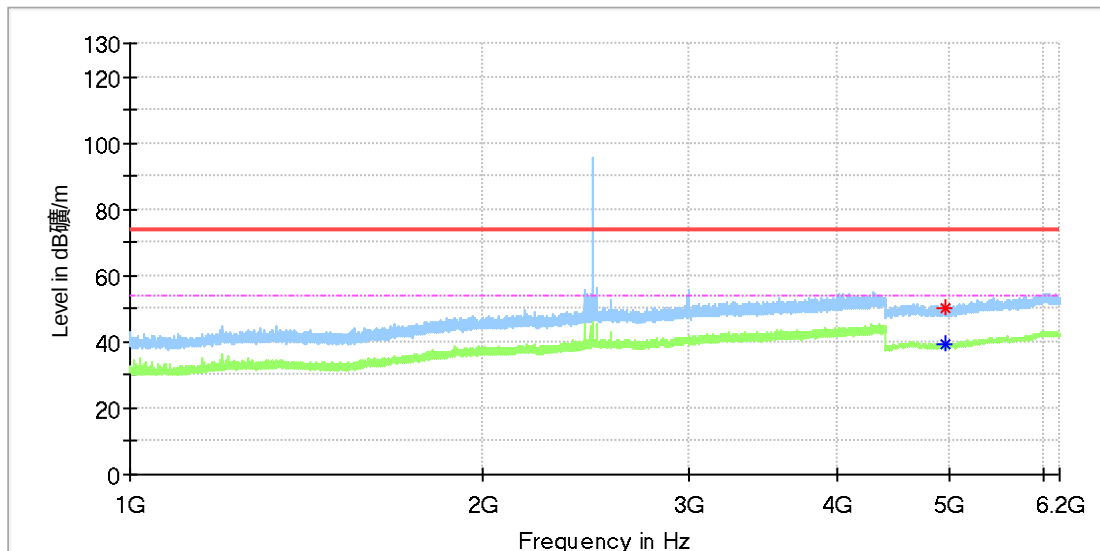


Critical_Freqs

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

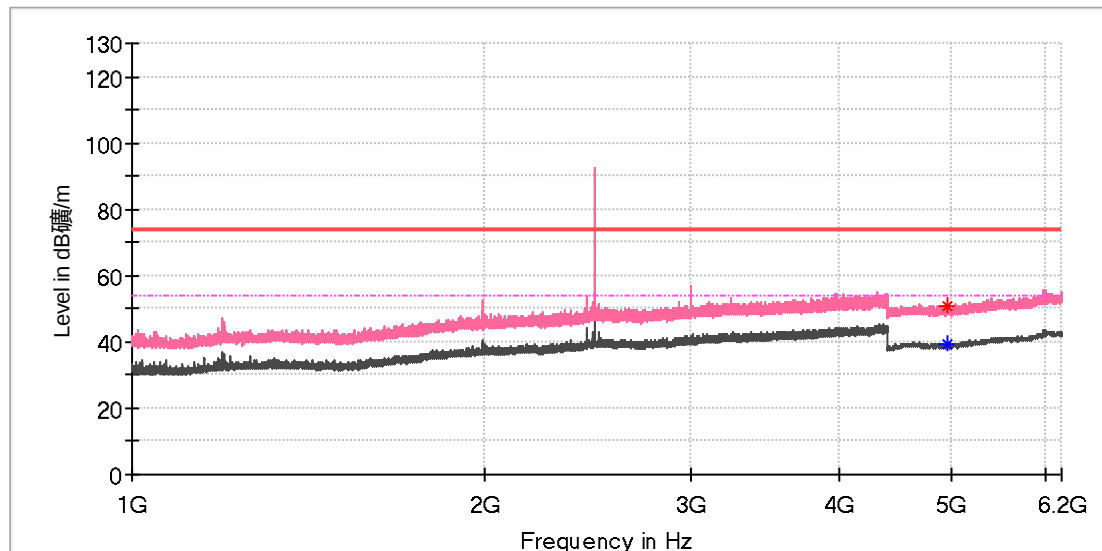


Critical_Freqs

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

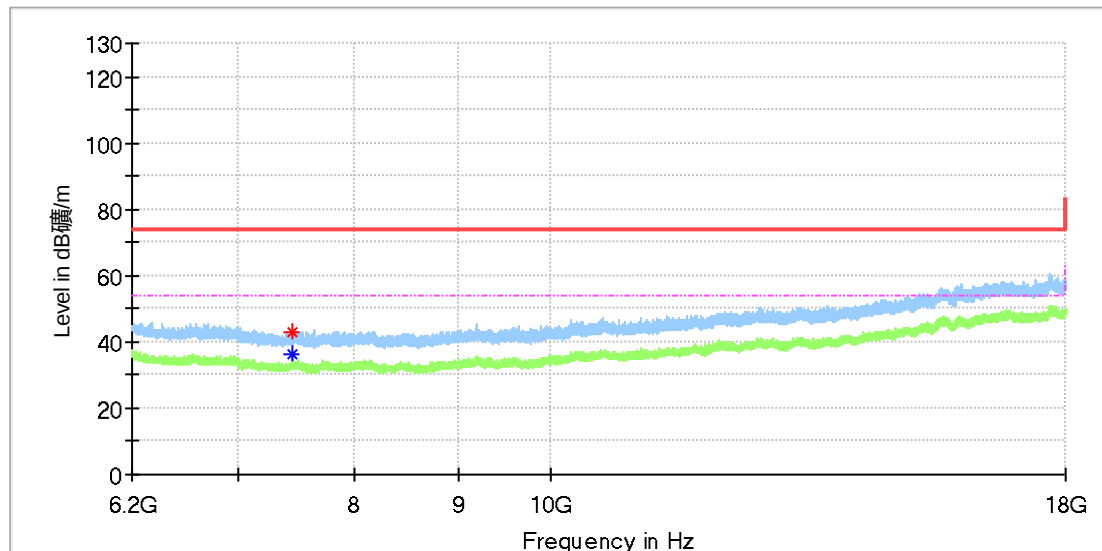


Critical_Freqs

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

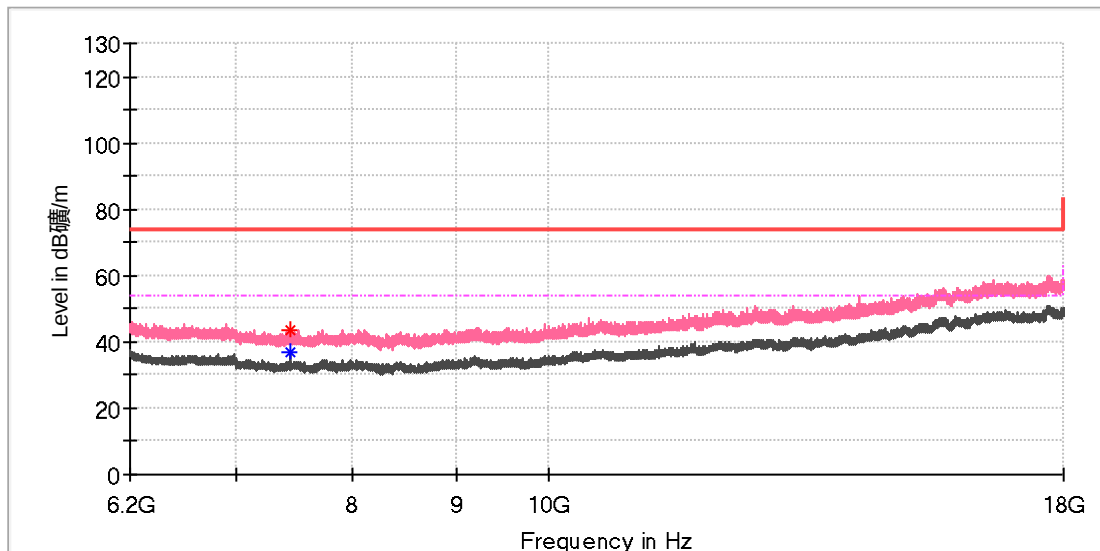


Critical_Freqs

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



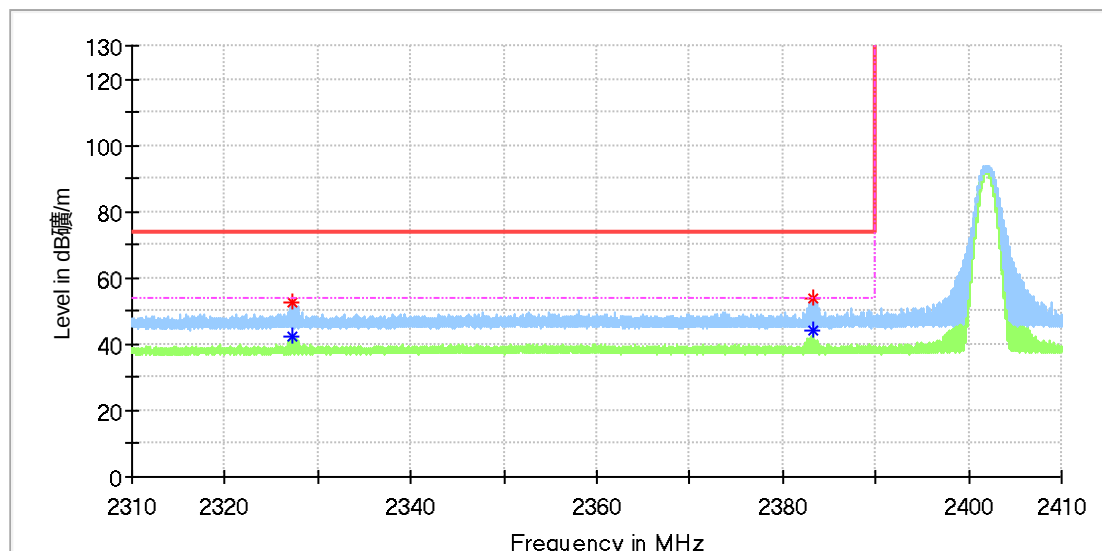
Critical_Freqs

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

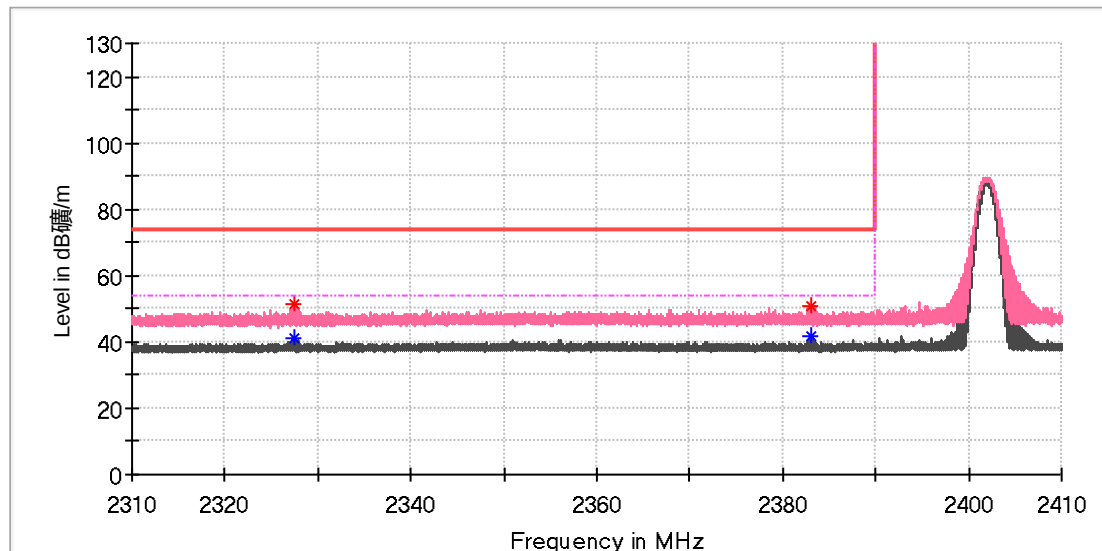


Critical Freqs

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

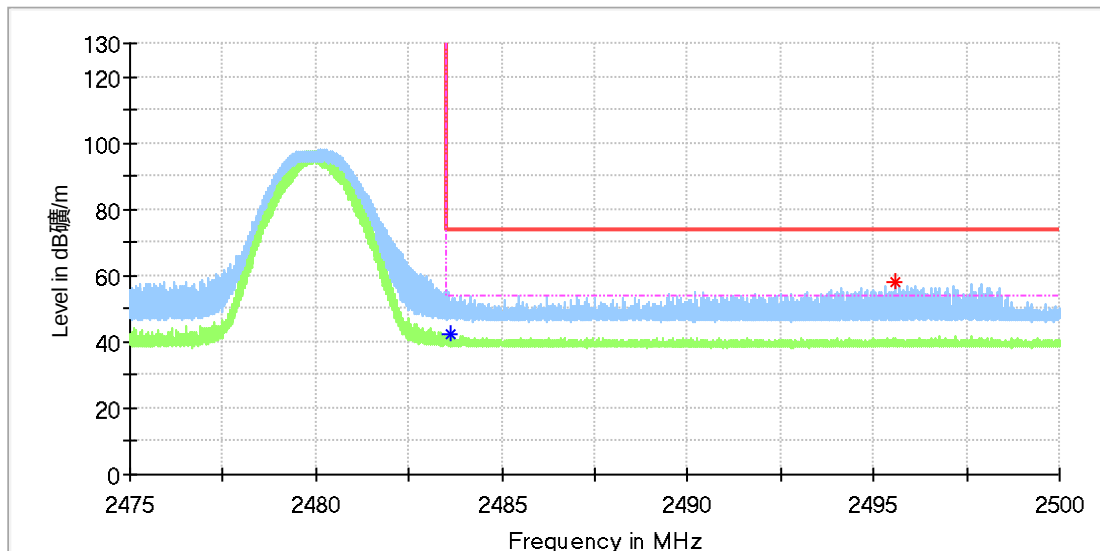


Critical_Freqs

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

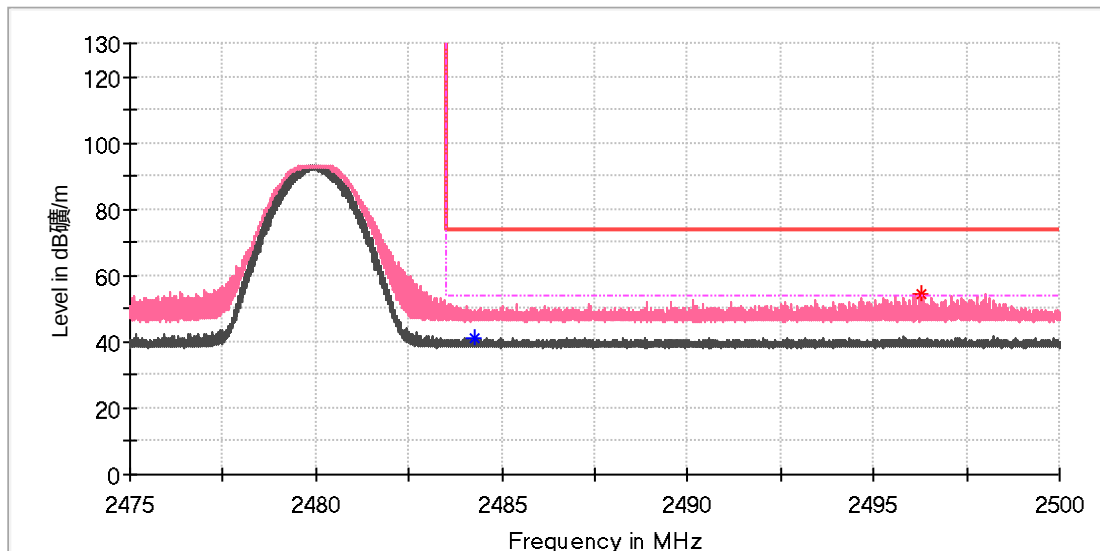


Critical_Freqs

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