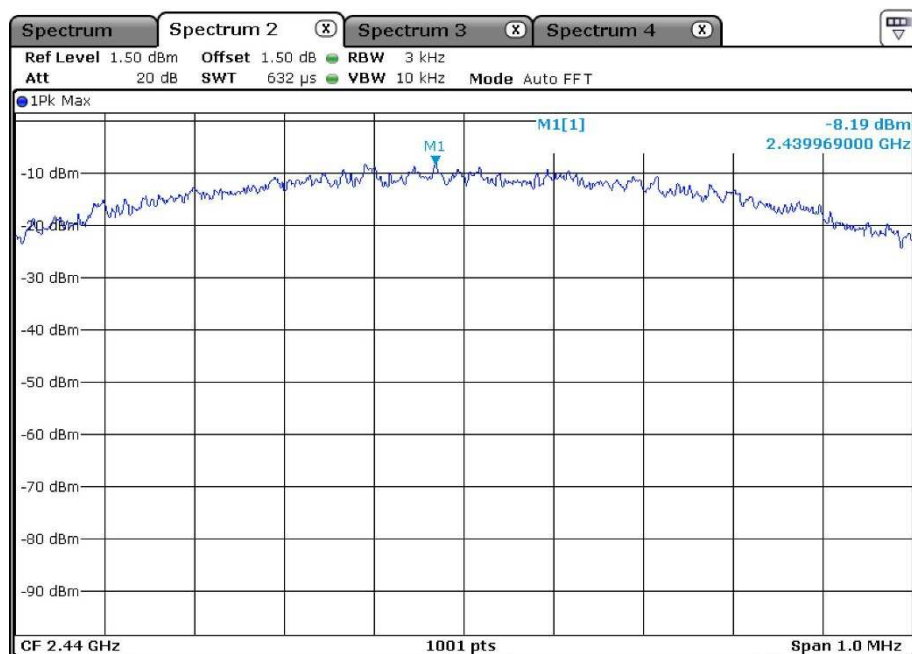
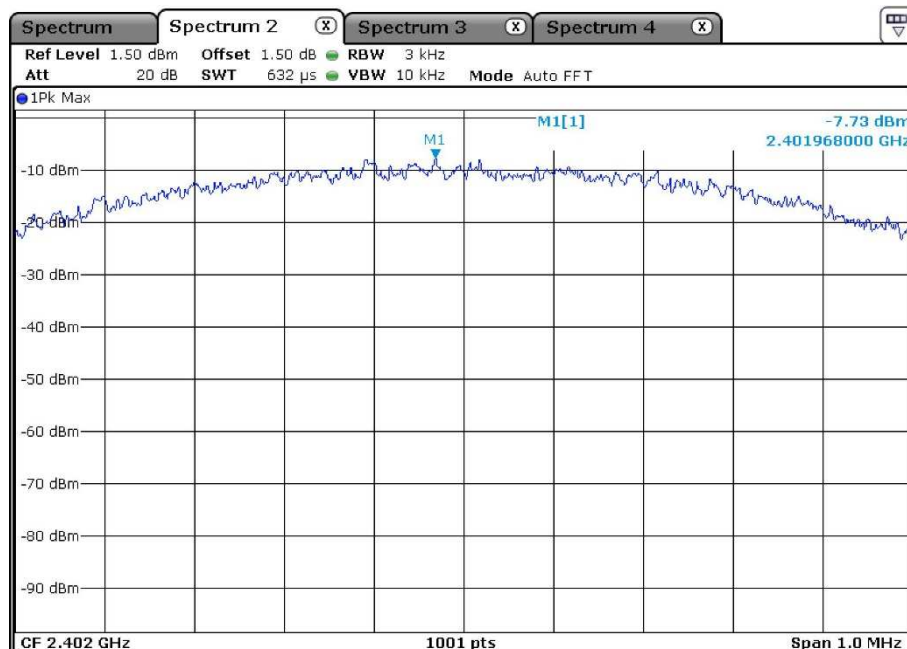
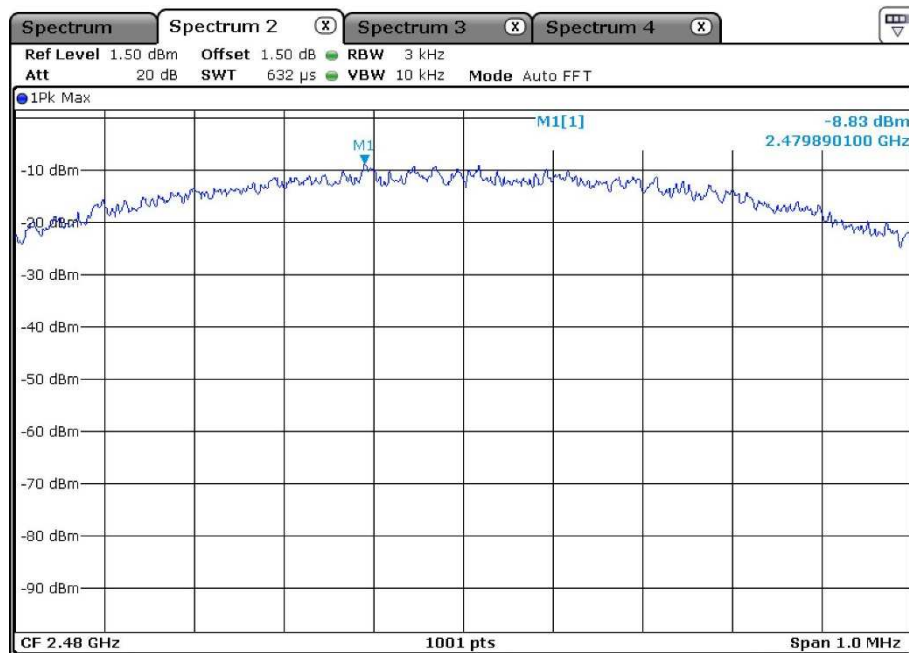


Appendix A: Test Results of Bluetooth LE

APPENDIX A: TEST RESULTS OF BLUETOOTH LE.....	1
APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
APPENDIX A.2: TEST RESULTS OF 6dB BANDWIDTH	4
APPENDIX A.3: TEST RESULTS OF 99% BANDWIDTH	7
APPENDIX A.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	10
<i>Band Edge</i>	10
<i>Conducted Spurious Emission</i>	11
APPENDIX A.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	14
<i>30 MHz to 1GHz</i>	14
<i>1GHz-18GHz</i>	16
APPENDIX A.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	28
APPENDIX A.7: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS	32

Appendix A.1: Test Results of Conducted Power Spectral Density





Appendix A.2: Test Results of 6dB Bandwidth

Minimum Emission Bandwidth 6 dB (2402 MHz; 20.000 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

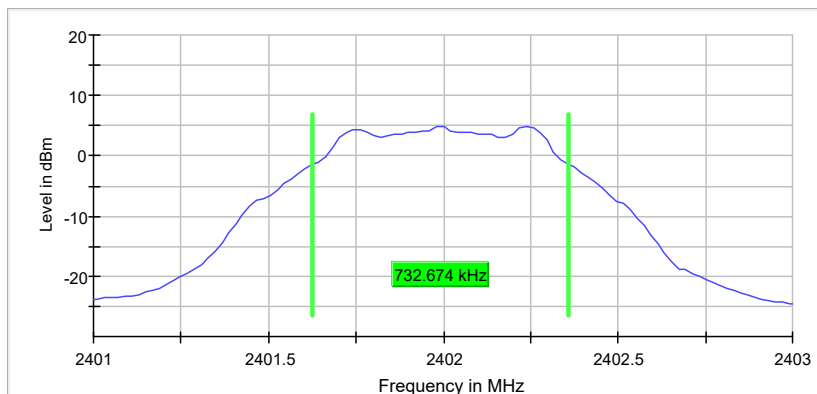
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.732674	0.500000	---	2401.623762	2402.356436

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	4.7	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
Sweptime	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
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	13 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2440 MHz; 20.000 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

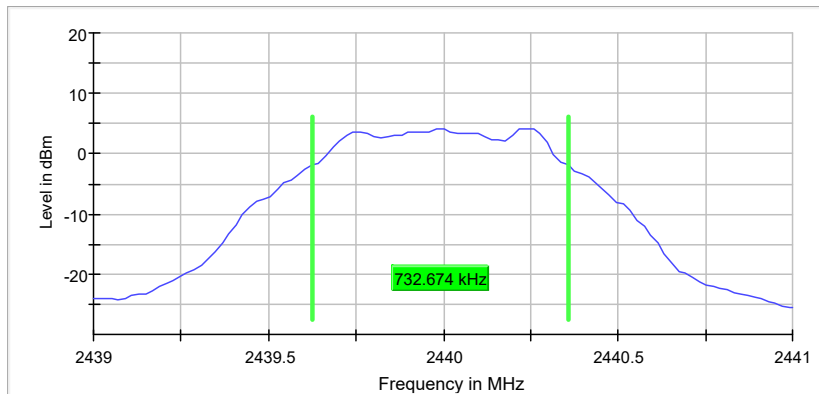
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	0.732674	0.500000	---	2439.623762	2440.356436

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2440.000000	4.2	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	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
Preamplifier	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	0.02 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2480 MHz; 20.000 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

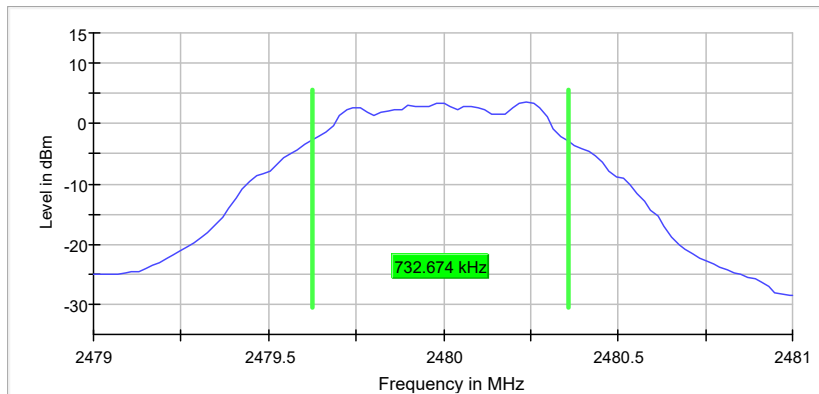
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.732674	0.500000	---	2479.623762	2480.356436

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	3.5	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	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
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	10 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.50 dB

Appendix A.3: Test Results of 99% Bandwidth

Occupied Channel Bandwidth 99% (2402 MHz; 20.000 dBm; 1 MHz)

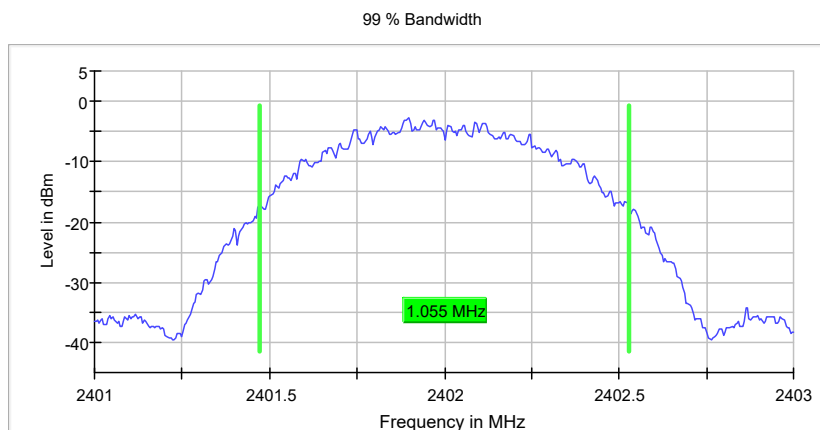
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.055000	---	---	2401.472500	2402.527500

(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
Sweptime	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
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	55 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Occupied Channel Bandwidth 99% (2440 MHz; 20.000 dBm; 1 MHz)

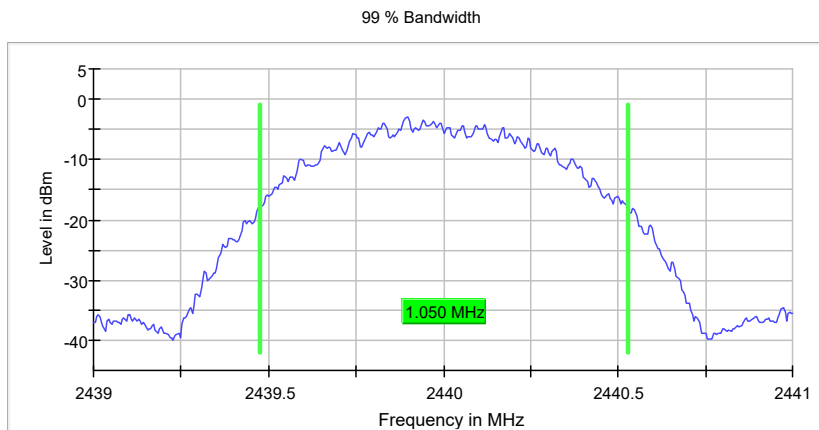
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	1.050000	---	---	2439.477500	2440.527500

(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	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
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	55 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Occupied Channel Bandwidth 99% (2480 MHz; 20.000 dBm; 1 MHz)

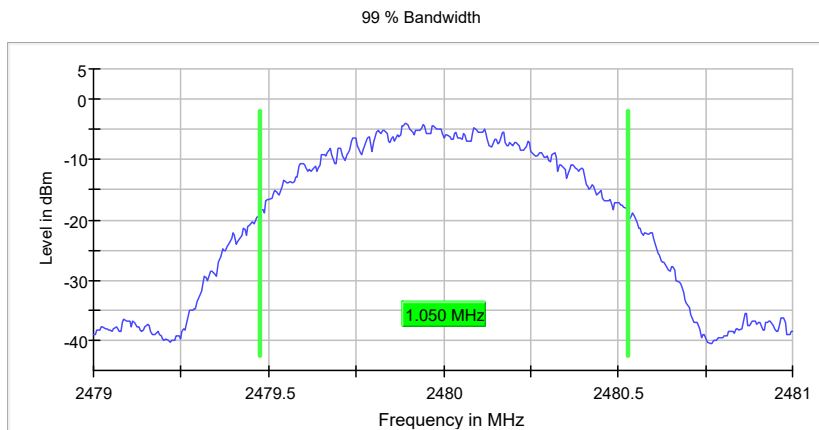
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.050000	---	---	2479.477500	2480.527500

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

DUT Frequency (MHz)	Result
2480.000000	PASS



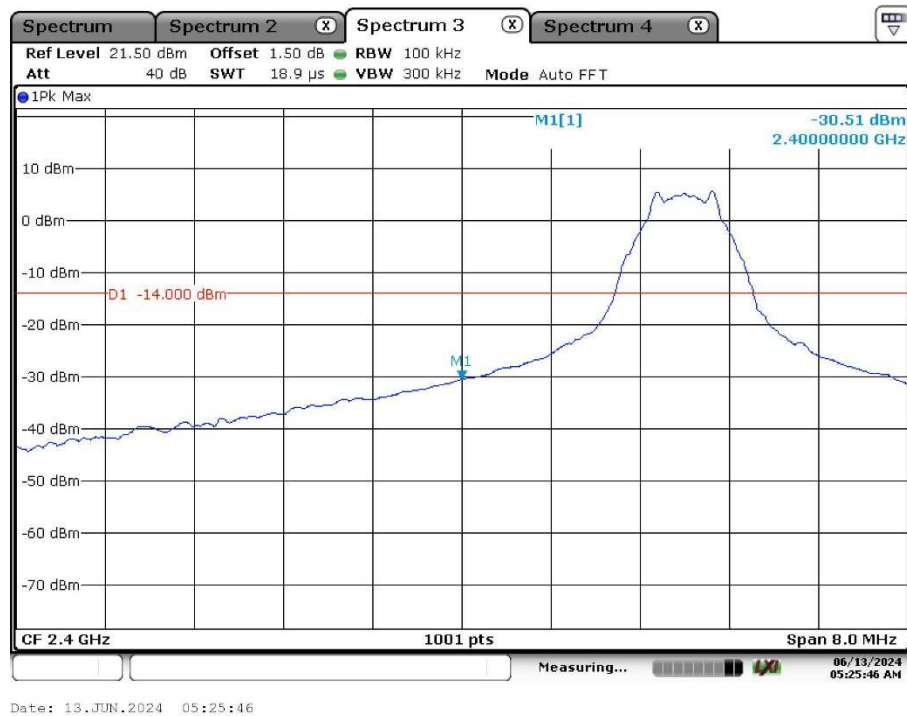
Measurement

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	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
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	50 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.11 dB	0.30 dB

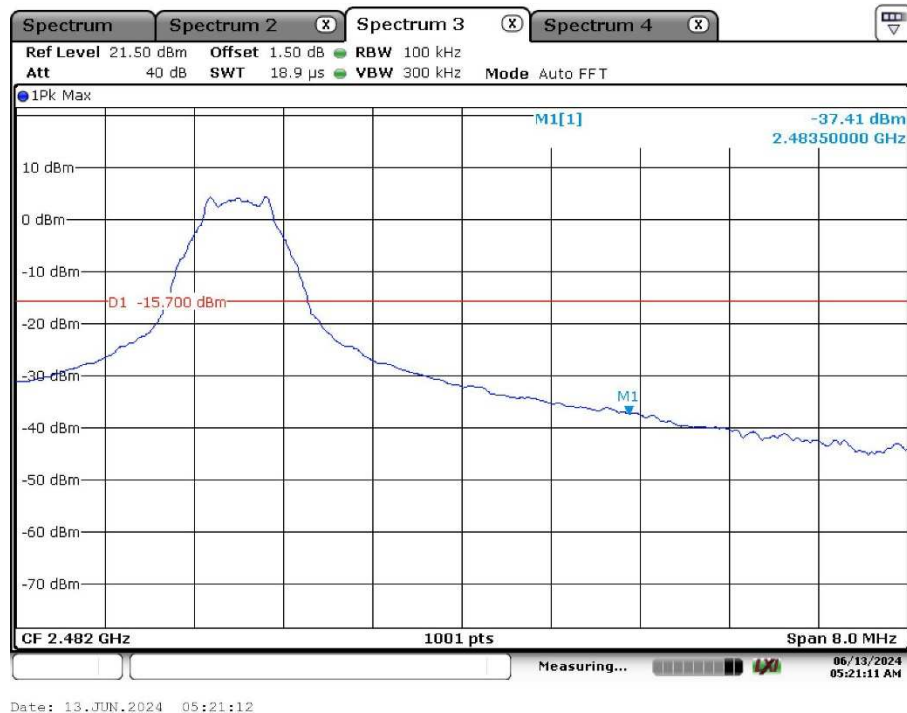
Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

Low Channel:

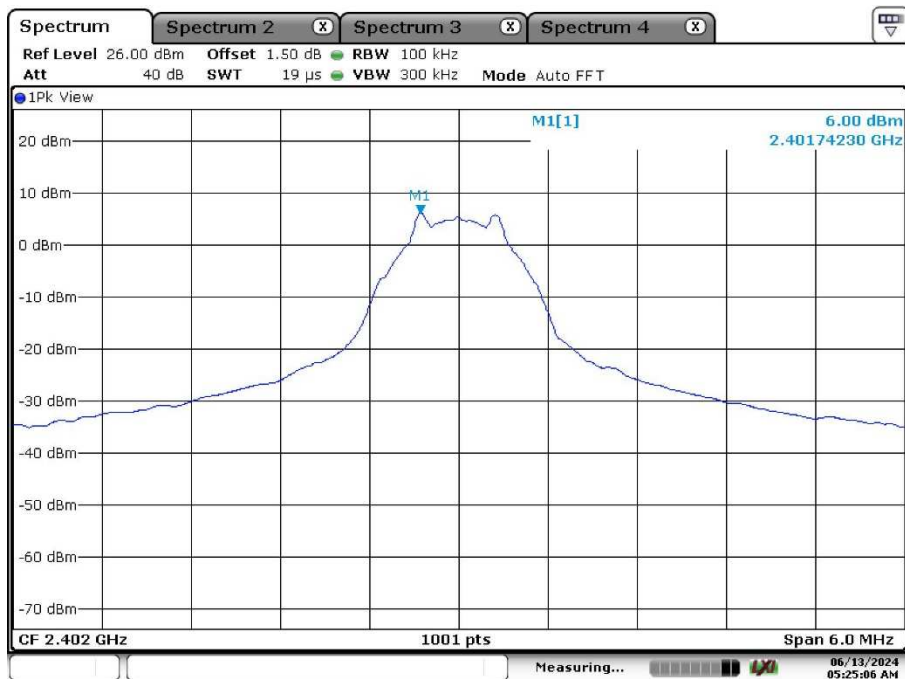


High Channel:

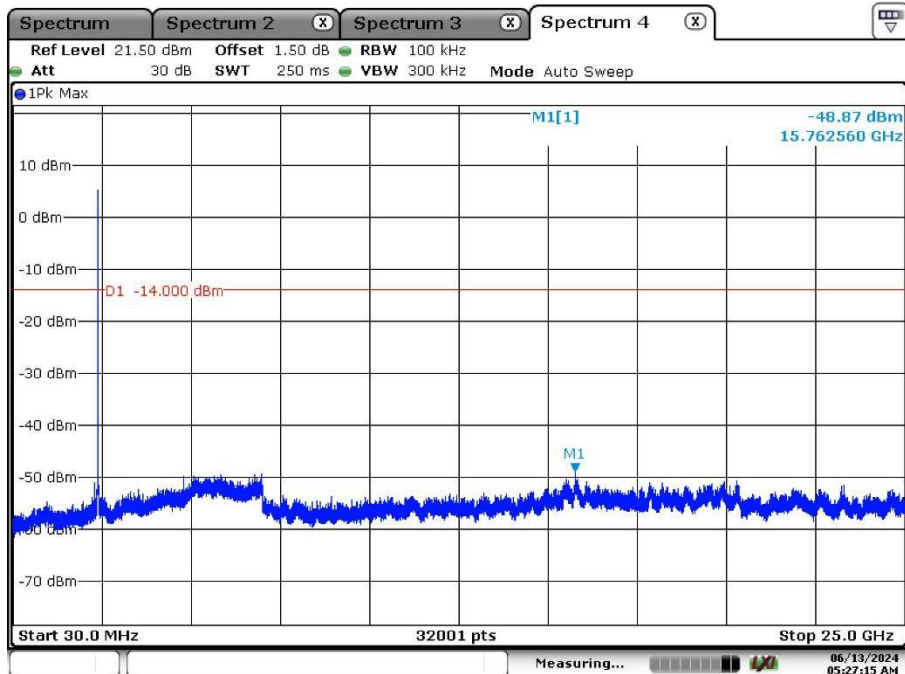


Conducted Spurious Emission

Low Channel:

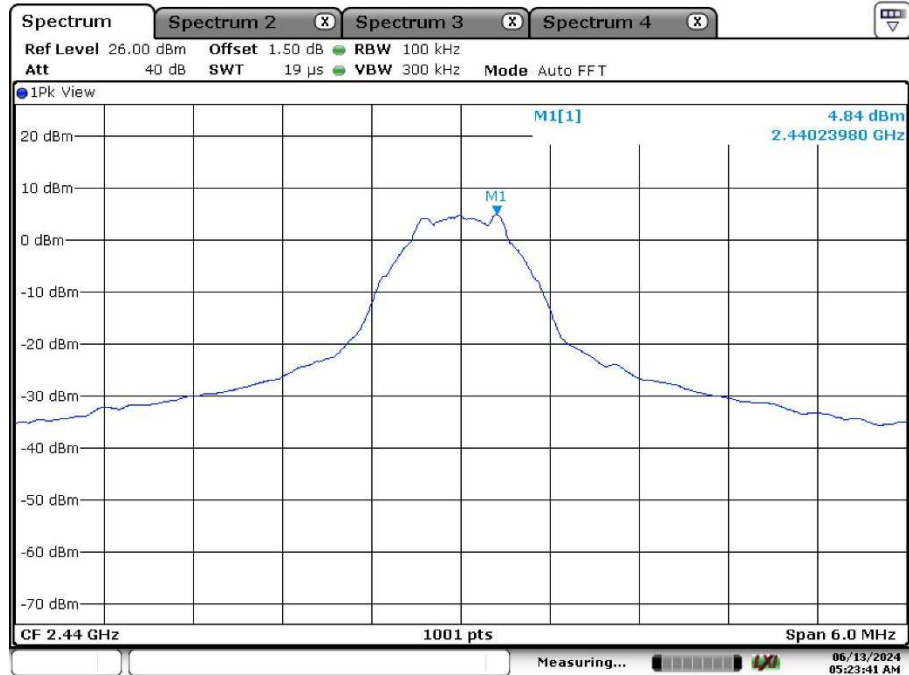


Date: 13.JUN.2024 05:25:07

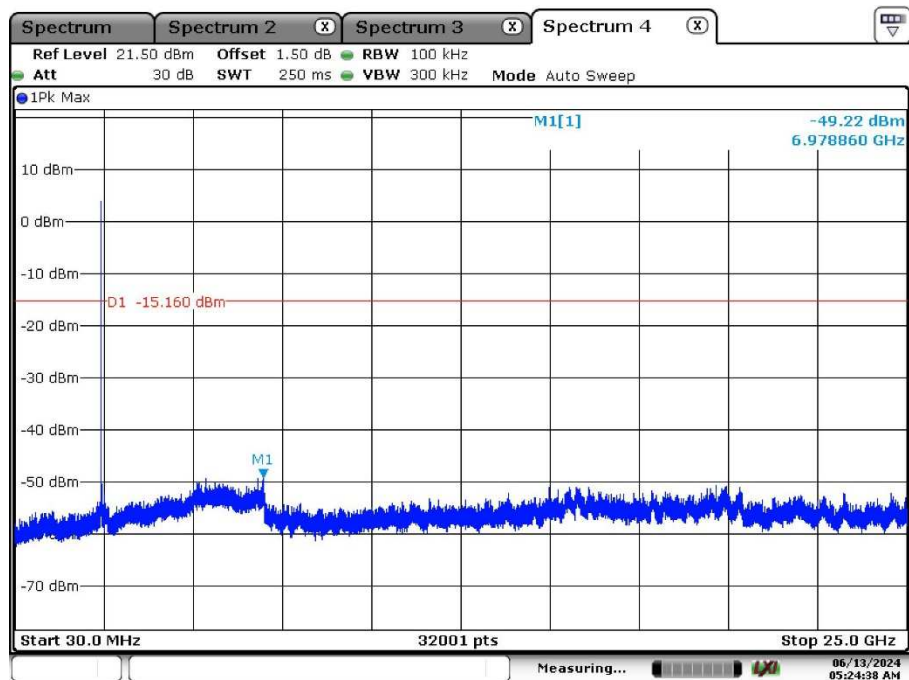


Date: 13.JUN.2024 05:27:16

Middle Channel:

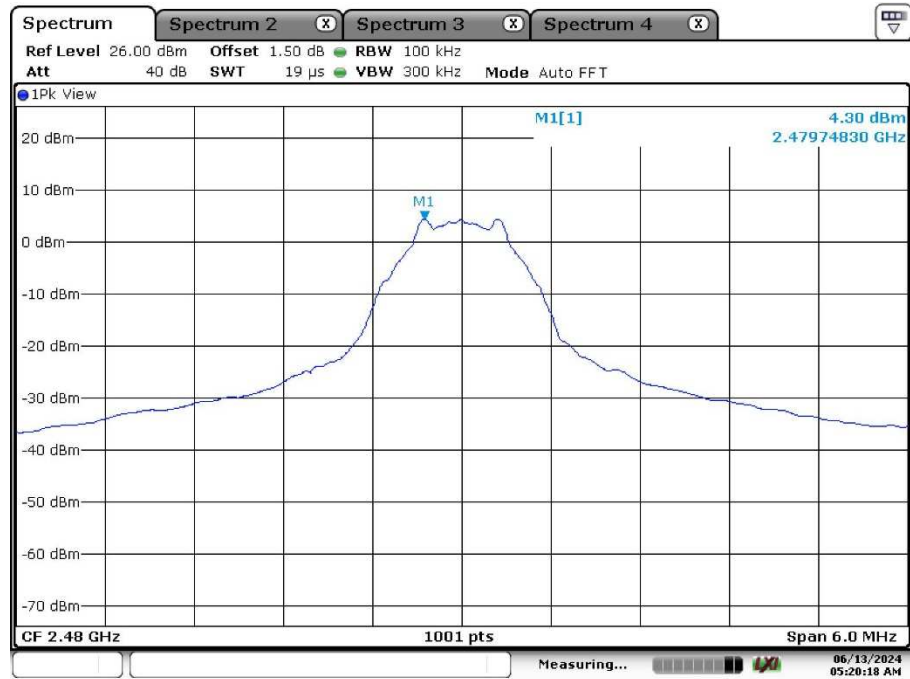


Date: 13.JUN.2024 05:23:41

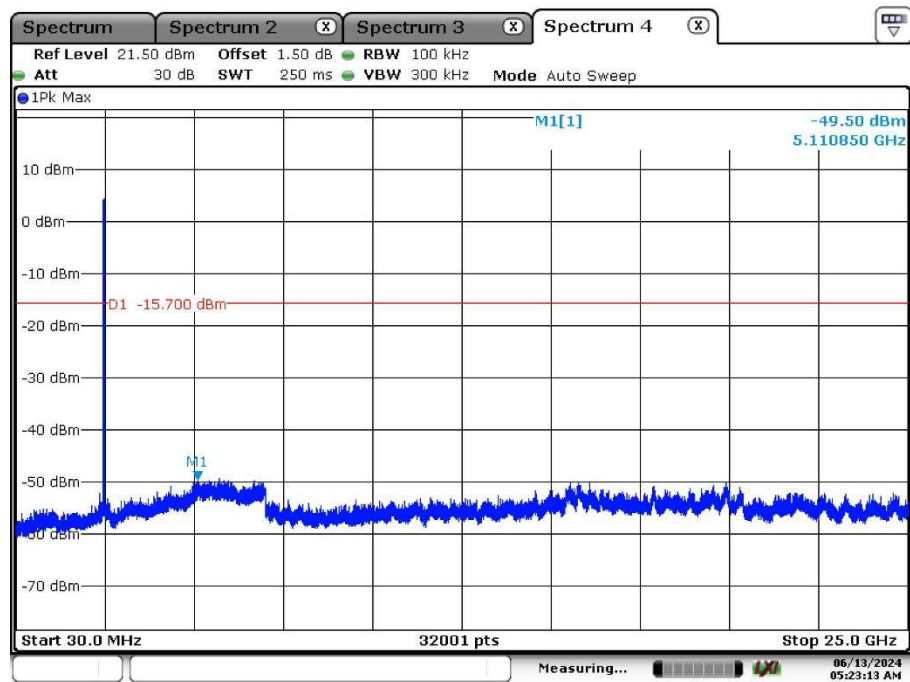


Date: 13.JUN.2024 05:24:38

High Channel:



Date: 13.JUN.2024 05:20:19



Date: 13.JUN.2024 05:23:13

Appendix A.5: Test Results of Radiated Spurious Emissions

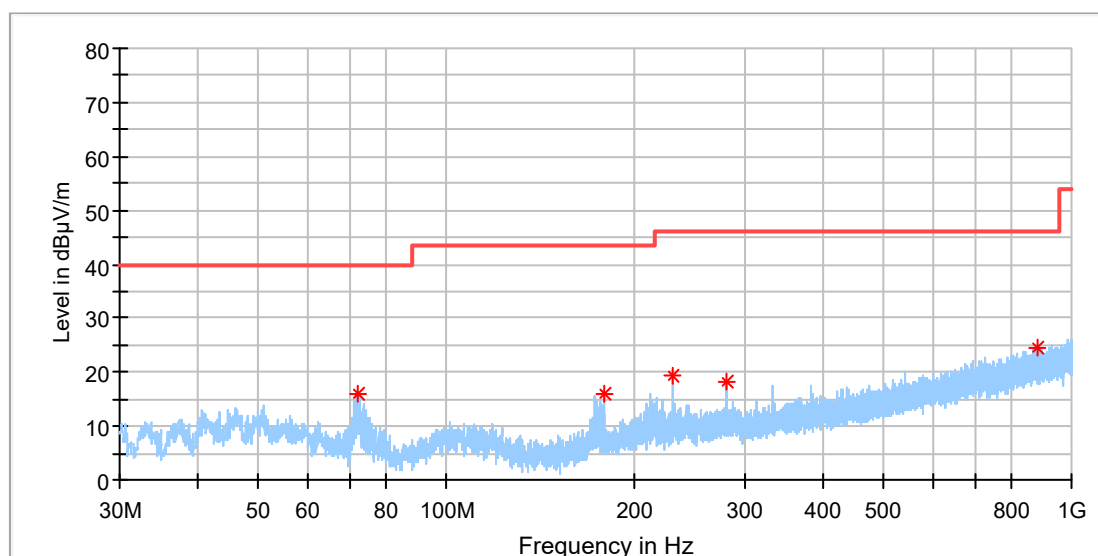
Note:

- 1) 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:	Robot Vacuum
Model:	T2070
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168474184/A003706240-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

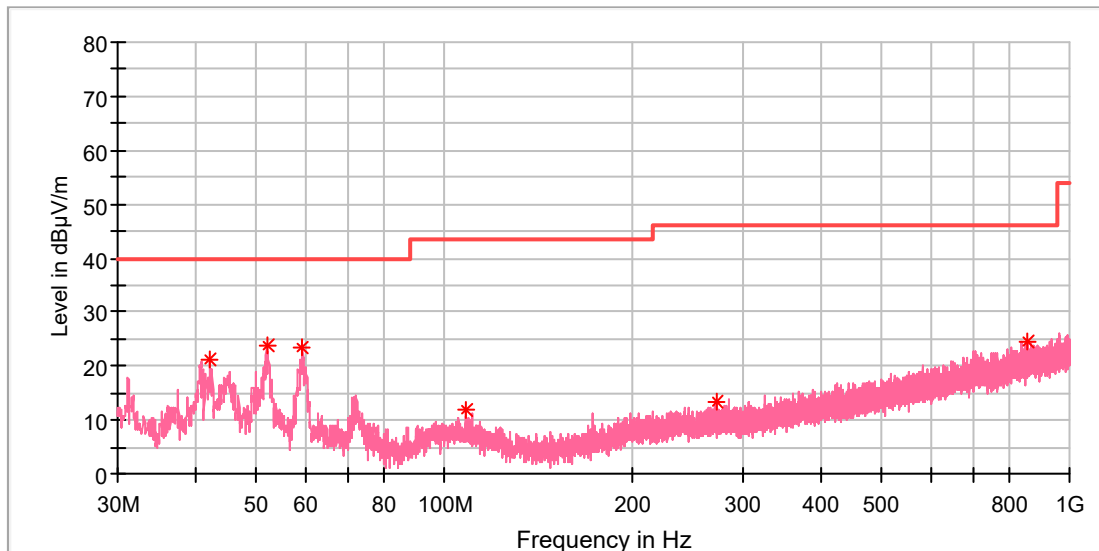
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
72.456154	15.92	40.00	24.08	100.0	H	93.0	-22.9
179.193462	15.87	43.50	27.63	100.0	H	0.0	-20.9
230.379615	19.51	46.00	26.49	100.0	H	18.0	-18.4
281.603077	18.23	46.00	27.77	100.0	H	348.0	-17.0
882.555385	24.60	46.00	21.40	100.0	H	100.0	-5.6

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Robot Vacuum
Model:	T2070
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168474184/A003706240-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
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)
42.199615	21.10	40.00	18.90	100.0	V	32.0	-19.8
52.011539	23.80	40.00	16.21	100.0	V	0.0	-18.6
59.323846	23.43	40.00	16.57	100.0	V	0.0	-19.2
108.607308	12.07	43.50	31.43	100.0	V	118.0	-19.3
273.171539	13.41	46.00	32.59	100.0	V	345.0	-17.2
858.006923	24.59	46.00	21.41	100.0	V	0.0	-5.8

Final_Result

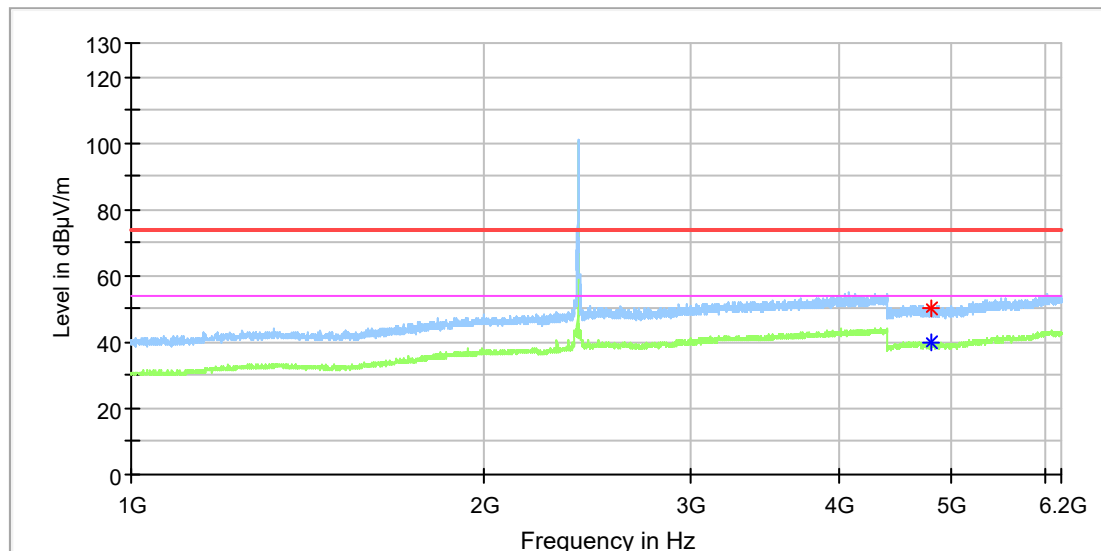
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz-18GHz

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

EUT Information

EUT Name:	Robot Vacuum
Model:	T2070
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168474184/A003706240-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

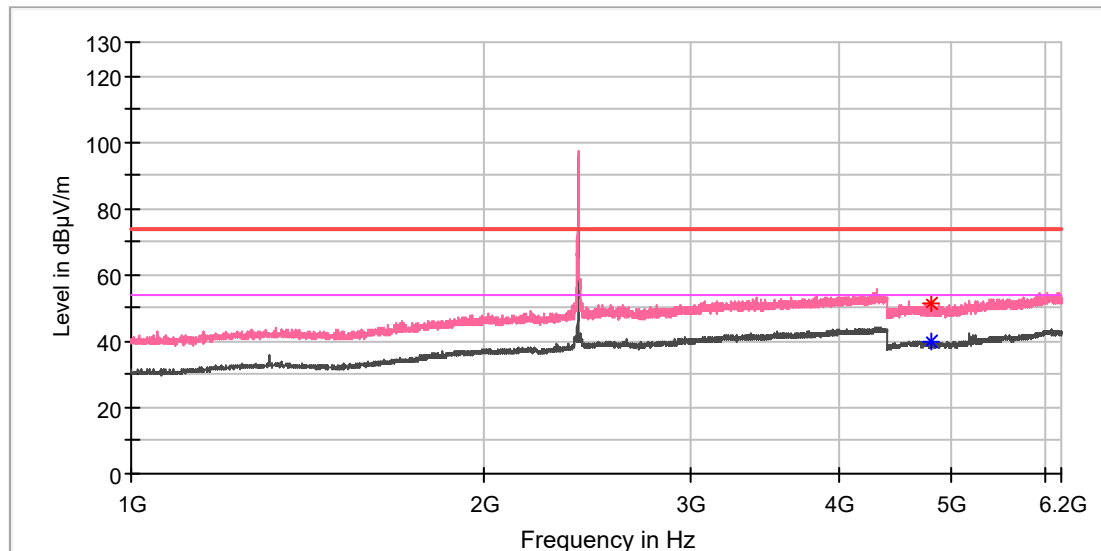
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	50.16	---	74.00	23.84	150.0	H	122.0	11.8
4804.000000	---	40.13	54.00	13.87	150.0	H	299.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

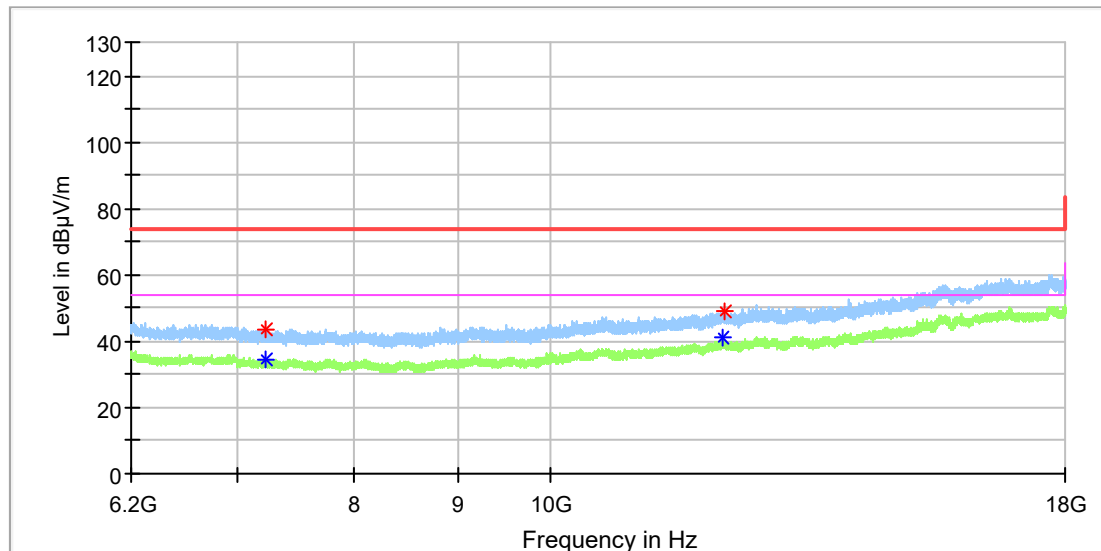
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	---	39.98	54.00	14.02	150.0	V	207.0	11.8
4807.000000	51.19	---	74.00	22.81	150.0	V	249.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

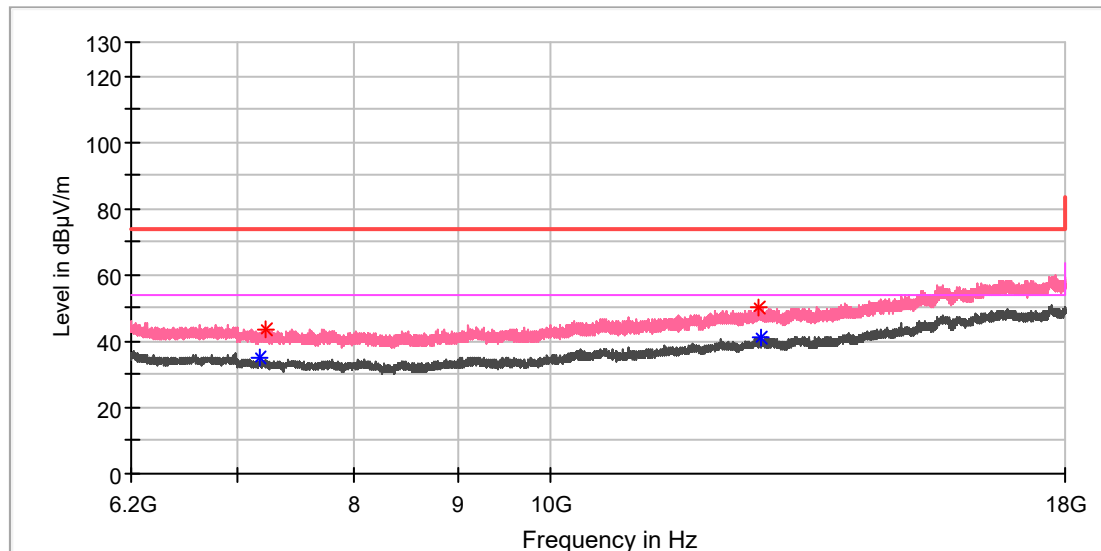
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7221.683333	43.28	---	74.00	30.72	150.0	H	113.0	8.7
7230.533333	---	34.54	54.00	19.46	150.0	H	137.0	8.6
12185.550000	---	40.82	54.00	13.18	150.0	H	53.0	14.6
12191.450000	48.73	---	74.00	25.27	150.0	H	174.0	14.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

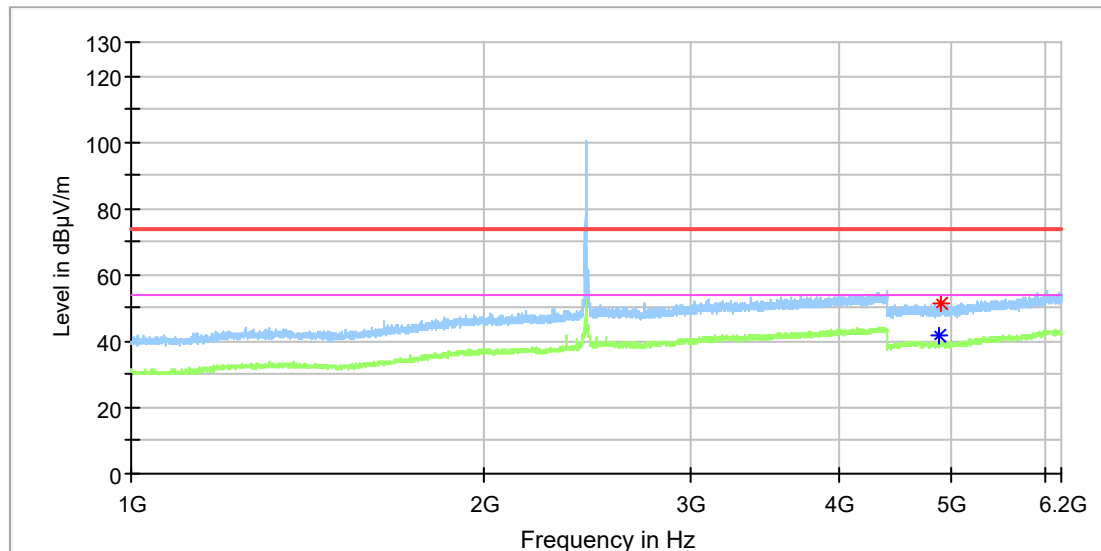
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7178.908333	---	34.83	54.00	19.17	150.0	V	34.0	8.8
7226.108333	43.33	---	74.00	30.67	150.0	V	212.0	8.7
12691.966667	49.96	---	74.00	24.04	150.0	V	236.0	15.1
12703.766667	---	41.14	54.00	12.86	150.0	V	260.0	15.1

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

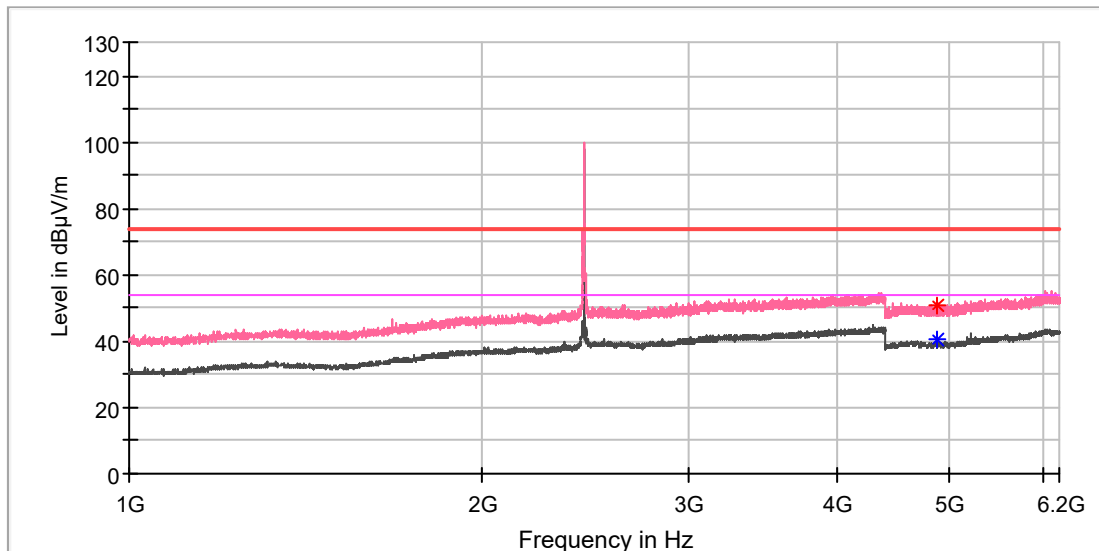
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.500000	---	41.56	54.00	12.44	150.0	H	154.0	11.8
4901.500000	51.18	---	74.00	22.82	150.0	H	90.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

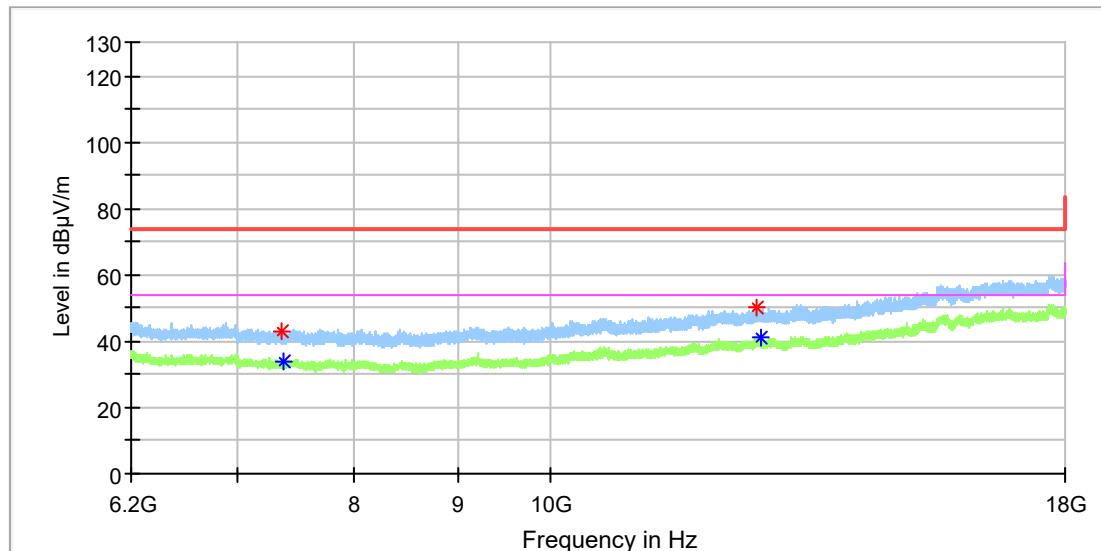
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4871.500000	50.99	---	74.00	23.01	150.0	V	347.0	11.8
4880.000000	---	40.57	54.00	13.43	150.0	V	304.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Robot Vacuum
Model:	T2070
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168474184/A003706240-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

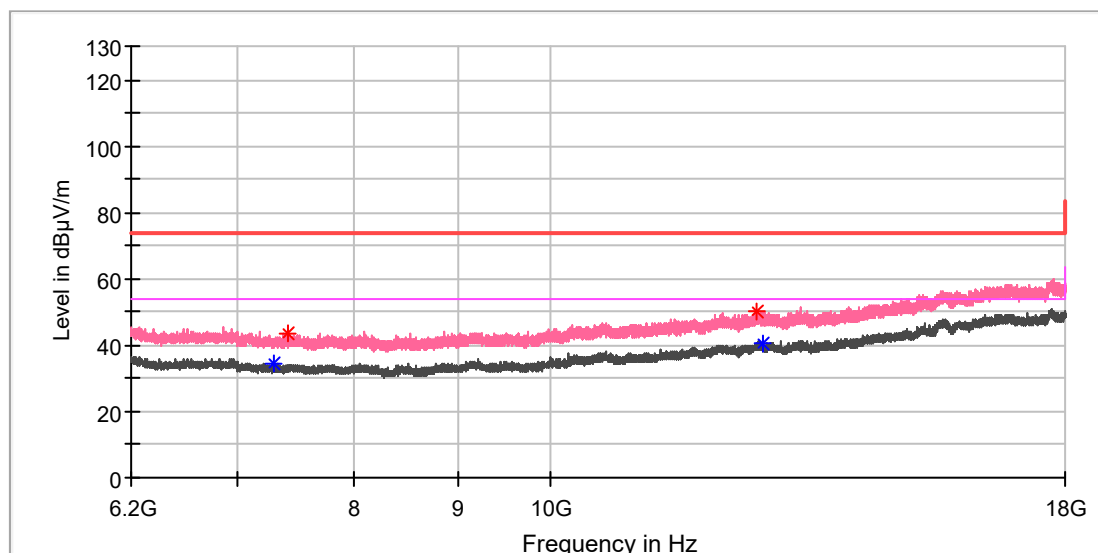
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7366.725000	42.83	---	74.00	31.17	150.0	H	290.0	8.2
7372.133333	---	34.08	54.00	19.92	150.0	H	92.0	8.2
12658.041667	50.19	---	74.00	23.81	150.0	H	325.0	15.0
12701.800000	---	41.26	54.00	12.74	150.0	H	314.0	15.1

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

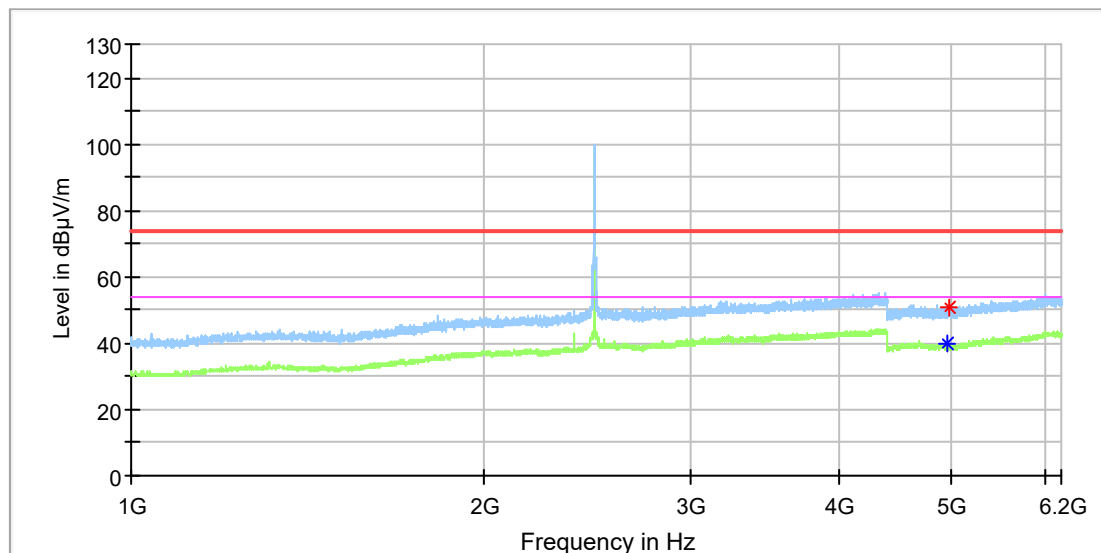
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7300.350000	---	34.66	54.00	19.34	150.0	V	164.0	8.3
7406.058333	43.80	---	74.00	30.20	150.0	V	325.0	8.3
12665.908333	49.91	---	74.00	24.09	150.0	V	4.0	15.1
12729.333333	---	40.72	54.00	13.28	150.0	V	50.0	15.2

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_High channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

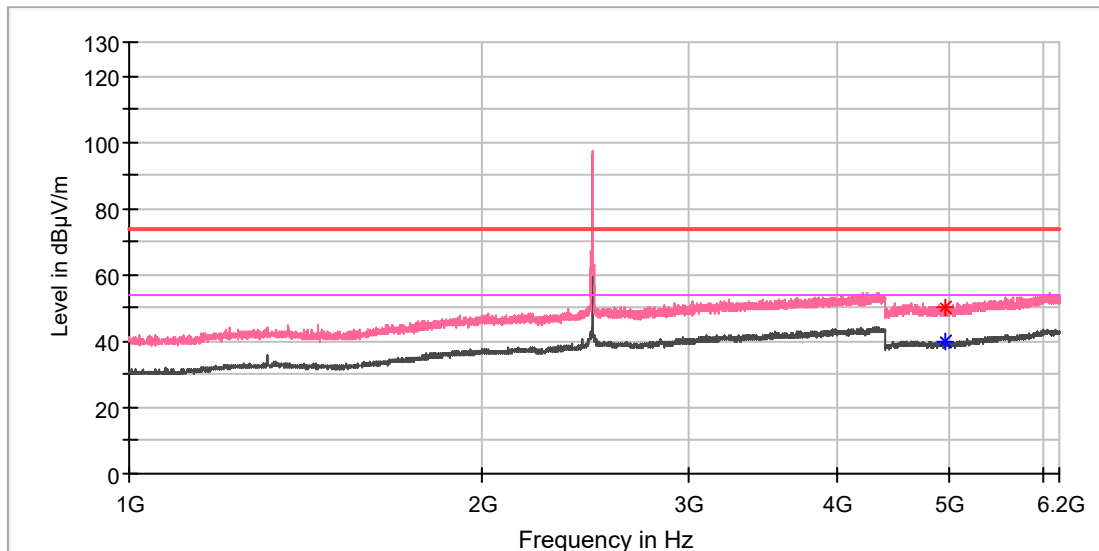
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	---	40.05	54.00	13.95	150.0	H	1.0	11.8
4973.000000	51.02	---	74.00	22.98	150.0	H	132.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_High channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

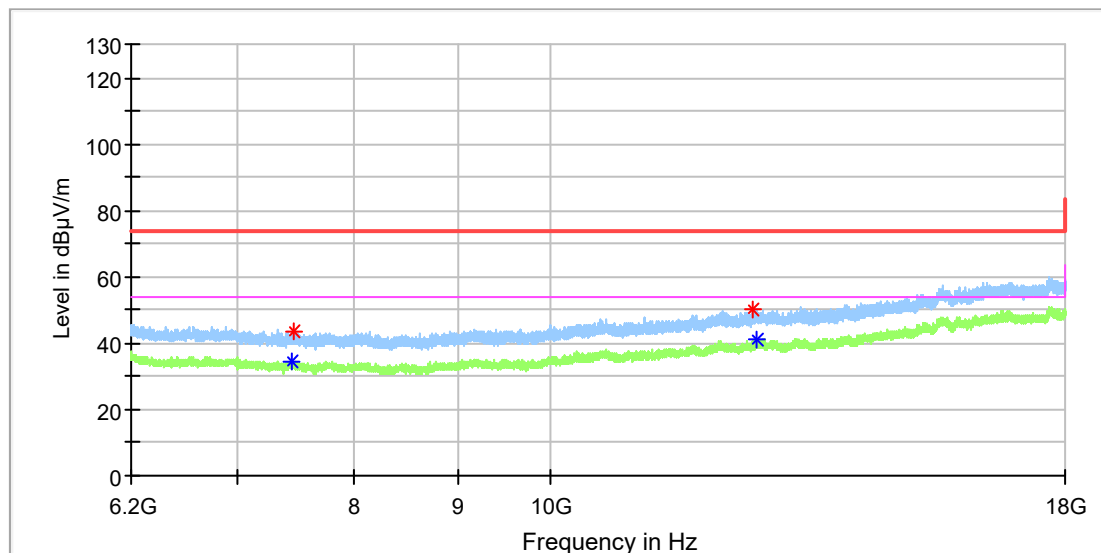
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4956.500000	---	39.64	54.00	14.36	150.0	V	319.0	11.8
4961.500000	50.47	---	74.00	23.53	150.0	V	293.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_High channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

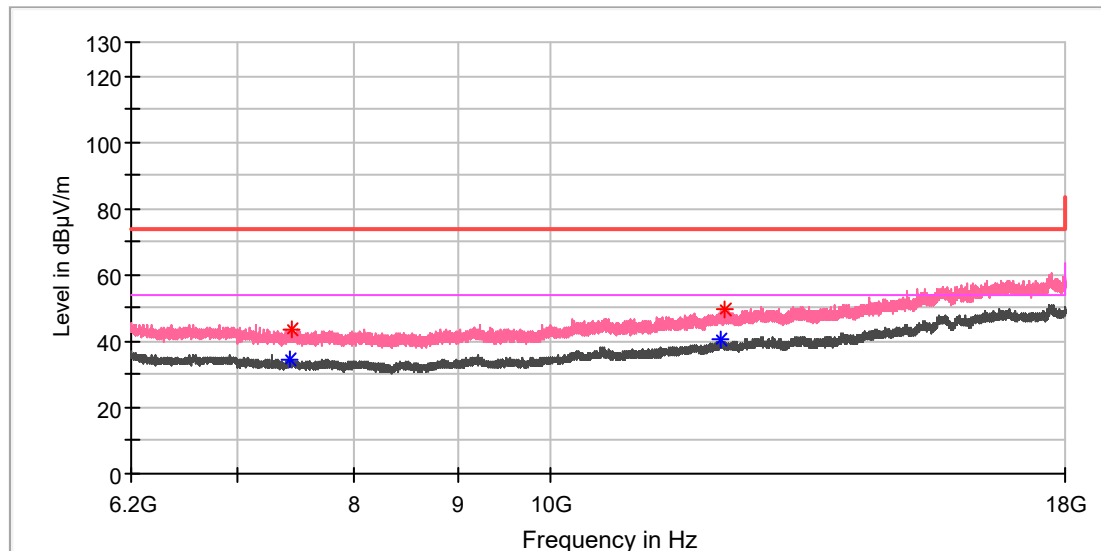
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7447.358333	---	34.49	54.00	19.51	150.0	H	194.0	8.5
7468.500000	43.53	---	74.00	30.47	150.0	H	253.0	8.6
12605.433333	50.04	---	74.00	23.96	150.0	H	264.0	14.9
12668.366667	---	40.91	54.00	13.09	150.0	H	253.0	15.1

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Robot Vacuum
Model:	T2070
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168474184/A003706240-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
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)
7432.116667	---	34.42	54.00	19.58	150.0	V	42.0	8.4
7439.000000	43.82	---	74.00	30.18	150.0	V	18.0	8.4
12141.791667	---	40.64	54.00	13.36	150.0	V	136.0	14.4
12199.808333	49.85	---	74.00	24.15	150.0	V	89.0	14.7

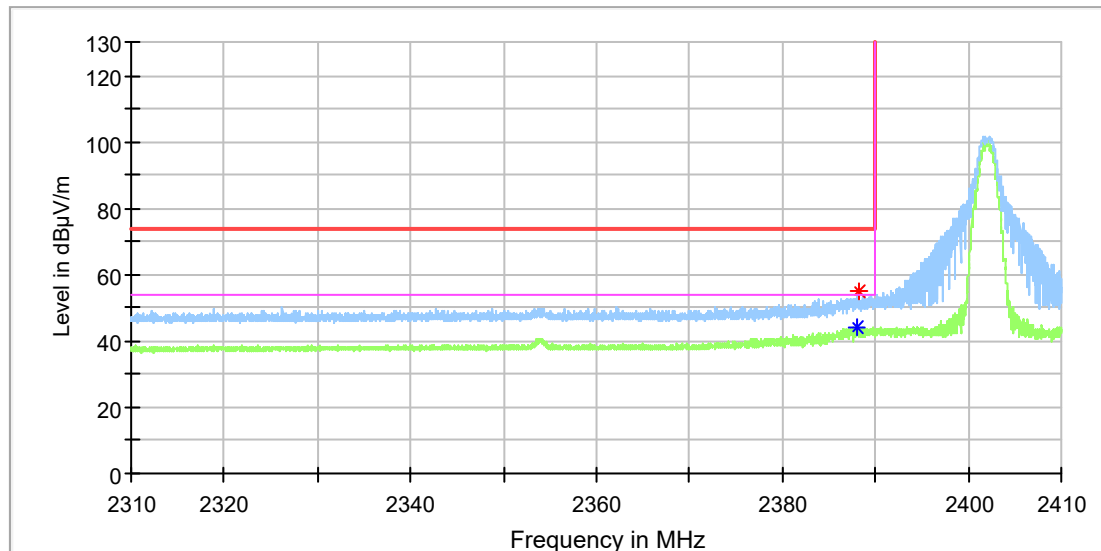
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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

EUT Information

EUT Name:	Robot Vacuum
Model:	T2070
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168474184/A003706240-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

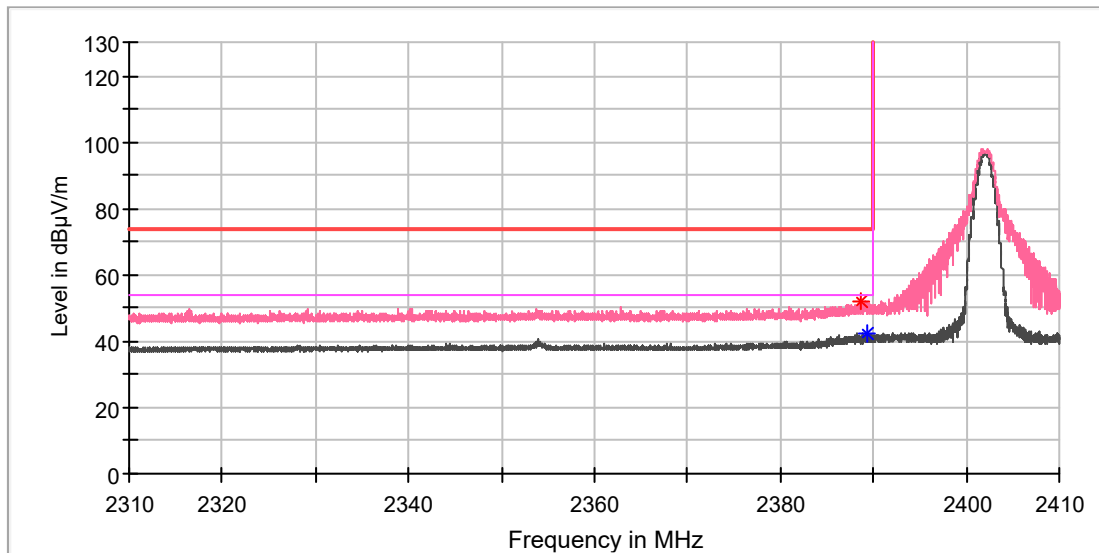
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.000000	---	44.06	54.00	9.94	150.0	H	101.0	7.0
2388.161765	54.83	---	74.00	19.17	150.0	H	94.0	7.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Robot Vacuum
Model:	T2070
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168474184/A003706240-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

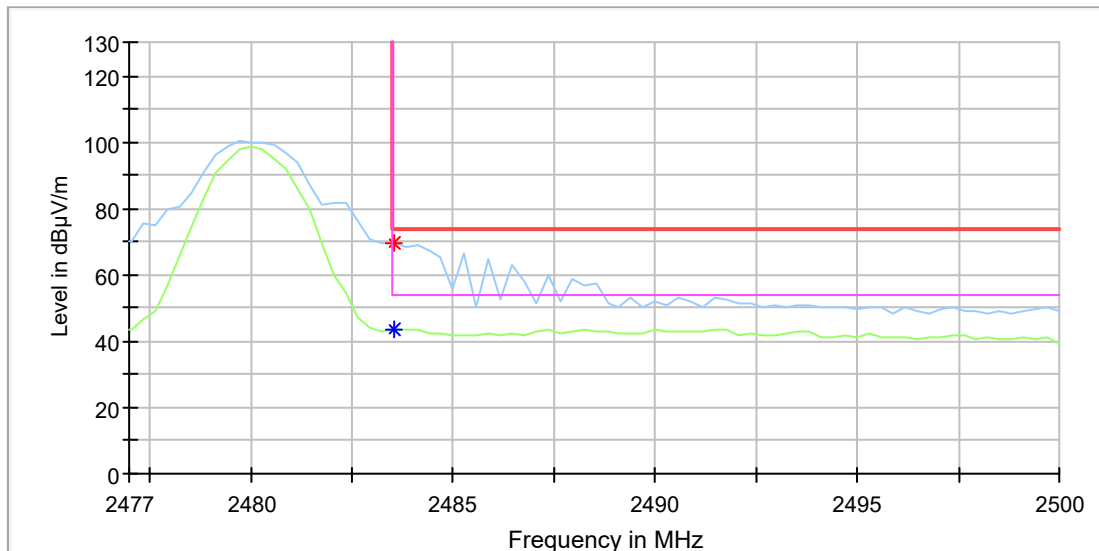
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.558824	51.96	---	74.00	22.04	150.0	V	340.0	7.0
2389.397059	---	42.53	54.00	11.47	150.0	V	19.0	7.0

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_High channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

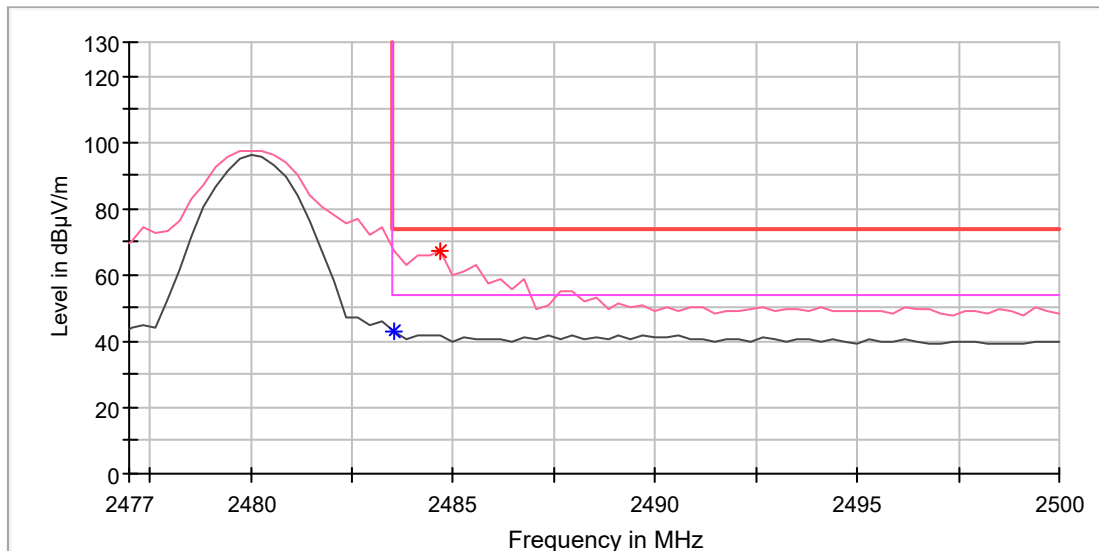
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	43.77	54.00	10.23	150.0	H	120.0	7.4
2483.529412	69.73	---	74.00	4.27	150.0	H	120.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Robot Vacuum
Model: T2070
Test Mode: BLE 1M_High channel
Order No/Sample No: 168474184/A003706240-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
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)
2483.529412	---	42.92	54.00	11.08	150.0	V	198.0	7.4
2484.705882	66.92	---	74.00	7.08	150.0	V	223.0	7.4

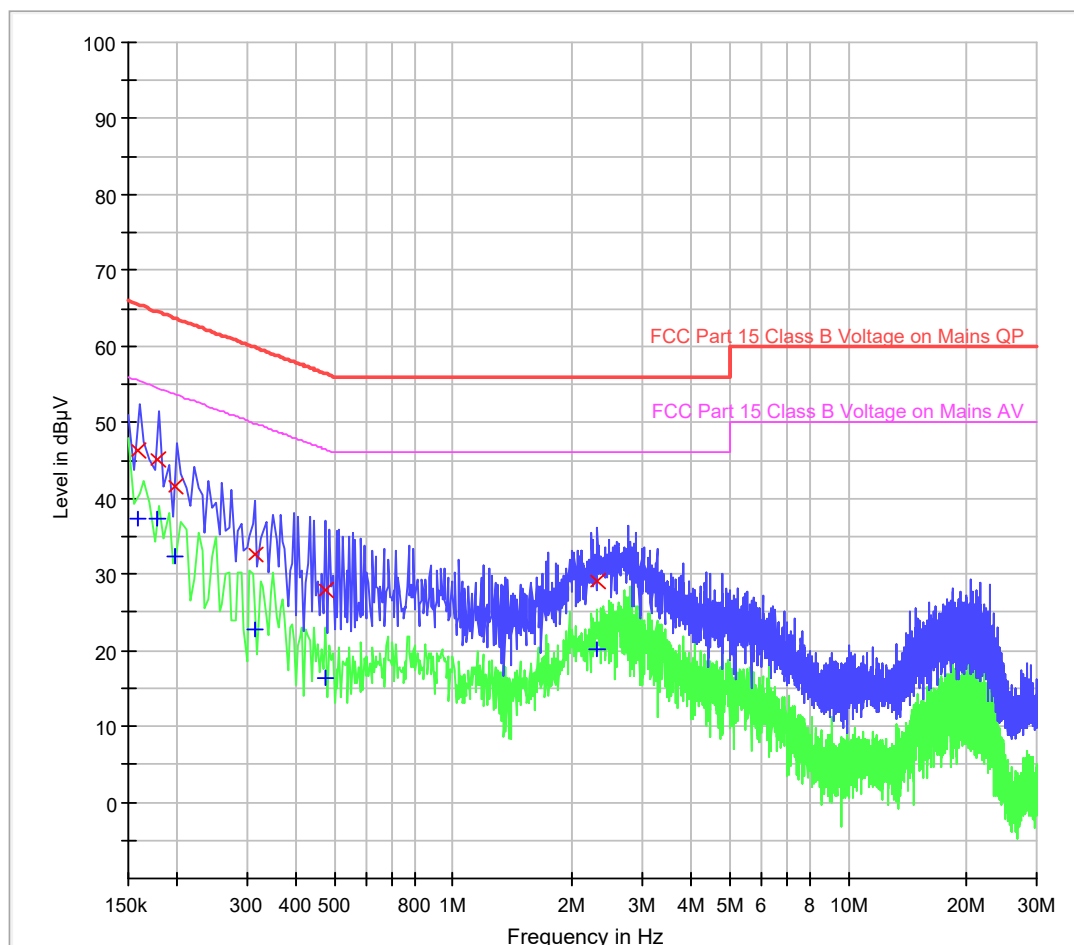
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix A.7: Test Results of Conducted Emission on AC Mains

Common Information

Test Item:	Robot Vacuum
Identification:	T2070
Test Standard:	FCC Part 15C
Test Detail:	Conducted Emission
Operation Mode:	Charging and Wireless link
Climate Condition:	20.9°C/51%/101.1kPa
Test Voltage/Freq.:	AC 120V, 60Hz
Port/Line:	
Order No.:	168474184
Result:	Pass
Hardware setup:	LISN ESH3-Z5 to ESCI 3
Level Unit:	dBuV
Frequency range:	9kHz - 30 MHz



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.158000	46.2	37.4	---	1000.0	9.000	LOCAL	GND	9.9
0.178000	45.0	37.3	---	1000.0	9.000	LOCAL	GND	9.8
0.198000	41.5	32.5	---	1000.0	9.000	LOCAL	GND	9.9
0.314000	32.6	22.6	---	1000.0	9.000	LOCAL	GND	9.9
0.474000	27.8	16.4	---	1000.0	9.000	LOCAL	GND	9.9
2.318000	29.0	20.1	---	1000.0	9.000	LOCAL	GND	9.9

(continuation of the "Limit and Margin QP" table from column 14 ...)

Frequency (MHz)	Margin - QPK (dB)	Limit - QPK (dBμV)	Comment
0.158000	19.4	65.6	
0.178000	19.5	64.6	
0.198000	22.2	63.7	
0.314000	27.3	59.9	
0.474000	28.6	56.4	
2.318000	27.0	56.0	

Limit and Margin AV

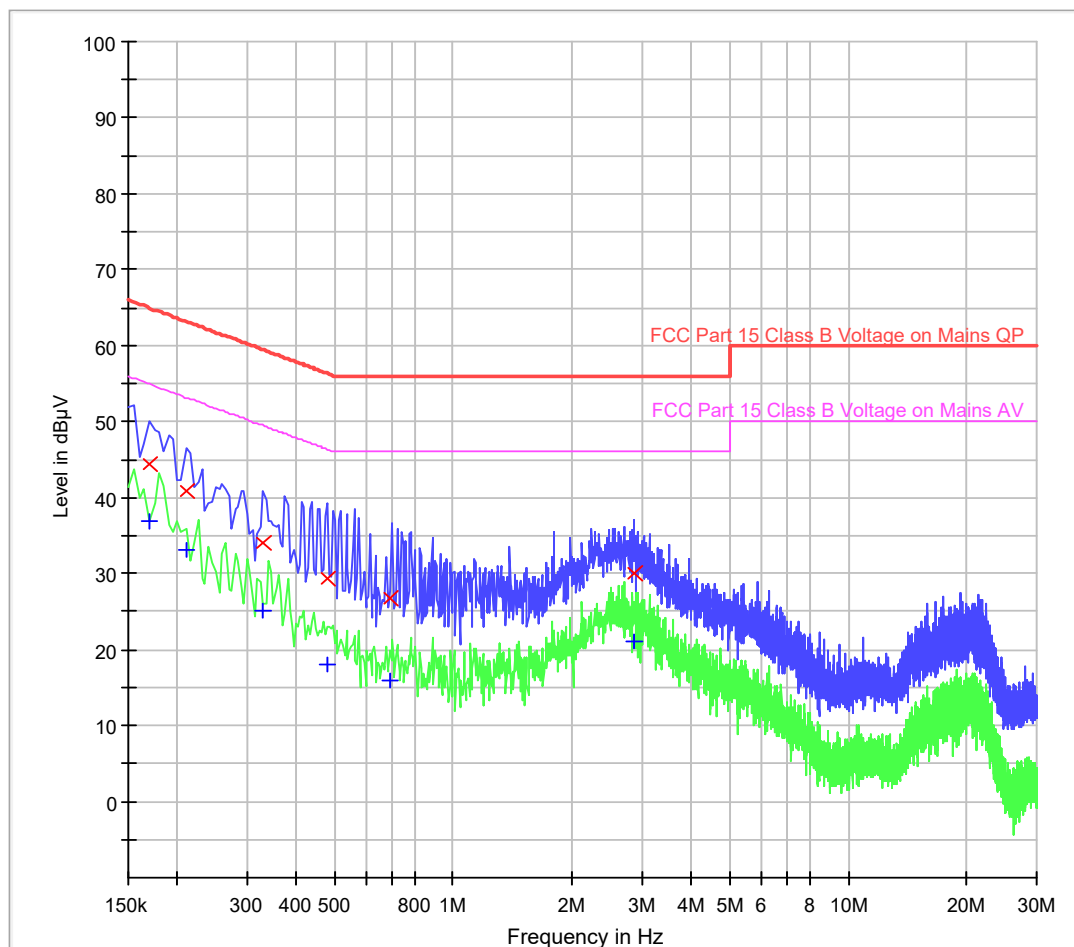
Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.158000	46.2	37.4	---	1000.0	9.000	LOCAL	GND	9.9
0.178000	45.0	37.3	---	1000.0	9.000	LOCAL	GND	9.8
0.198000	41.5	32.5	---	1000.0	9.000	LOCAL	GND	9.9
0.314000	32.6	22.6	---	1000.0	9.000	LOCAL	GND	9.9
0.474000	27.8	16.4	---	1000.0	9.000	LOCAL	GND	9.9
2.318000	29.0	20.1	---	1000.0	9.000	LOCAL	GND	9.9

(continuation of the "Limit and Margin AV" table from column 14 ...)

Frequency (MHz)	Margin - AVG (dB)	Limit - AVG (dBμV)	Comment
0.158000	18.2	55.6	
0.178000	17.3	54.6	
0.198000	21.2	53.7	
0.314000	27.2	49.9	
0.474000	30.0	46.4	
2.318000	25.9	46.0	

Common Information

Test Item:	Robot Vacuum
Identification:	T2070
Test Standard:	FCC Part 15B
Test Detail:	Conducted Emission
Operation Mode:	Charging and Wireless link
Climate Condition:	20.9°C/51%/101.1kPa
Test Voltage/Freq.:	AC 120V, 60Hz
Port/Line:	
Order No.:	168474184
Result:	Pass
Hardware setup:	LISN ESH3-Z5 to ESCI 3
Level Unit:	dBuV
Frequency range:	9kHz - 30 MHz



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.170000	44.4	36.8	---	1000.0	9.000	LOCAL	GND	9.8
0.210000	40.8	33.0	---	1000.0	9.000	LOCAL	GND	9.9
0.330000	34.1	25.1	---	1000.0	9.000	LOCAL	GND	9.9
0.478000	29.3	18.1	---	1000.0	9.000	LOCAL	GND	9.9
0.694000	26.8	15.9	---	1000.0	9.000	LOCAL	GND	9.9
2.858000	30.1	21.0	---	1000.0	9.000	LOCAL	GND	10.0

(continuation of the "Limit and Margin QP" table from column 14 ...)

Frequency (MHz)	Margin - QPK (dB)	Limit - QPK (dBμV)	Comment
0.170000	20.6	65.0	
0.210000	22.4	63.2	
0.330000	25.4	59.5	
0.478000	27.0	56.4	
0.694000	29.3	56.0	
2.858000	25.9	56.0	

Limit and Margin AV

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.170000	44.4	36.8	---	1000.0	9.000	LOCAL	GND	9.8
0.210000	40.8	33.0	---	1000.0	9.000	LOCAL	GND	9.9
0.330000	34.1	25.1	---	1000.0	9.000	LOCAL	GND	9.9
0.478000	29.3	18.1	---	1000.0	9.000	LOCAL	GND	9.9
0.694000	26.8	15.9	---	1000.0	9.000	LOCAL	GND	9.9
2.858000	30.1	21.0	---	1000.0	9.000	LOCAL	GND	10.0

(continuation of the "Limit and Margin AV" table from column 14 ...)

Frequency (MHz)	Margin - AVG (dB)	Limit - AVG (dBμV)	Comment
0.170000	18.2	55.0	
0.210000	20.2	53.2	
0.330000	24.3	49.5	
0.478000	28.3	46.4	
0.694000	30.1	46.0	
2.858000	25.0	46.0	