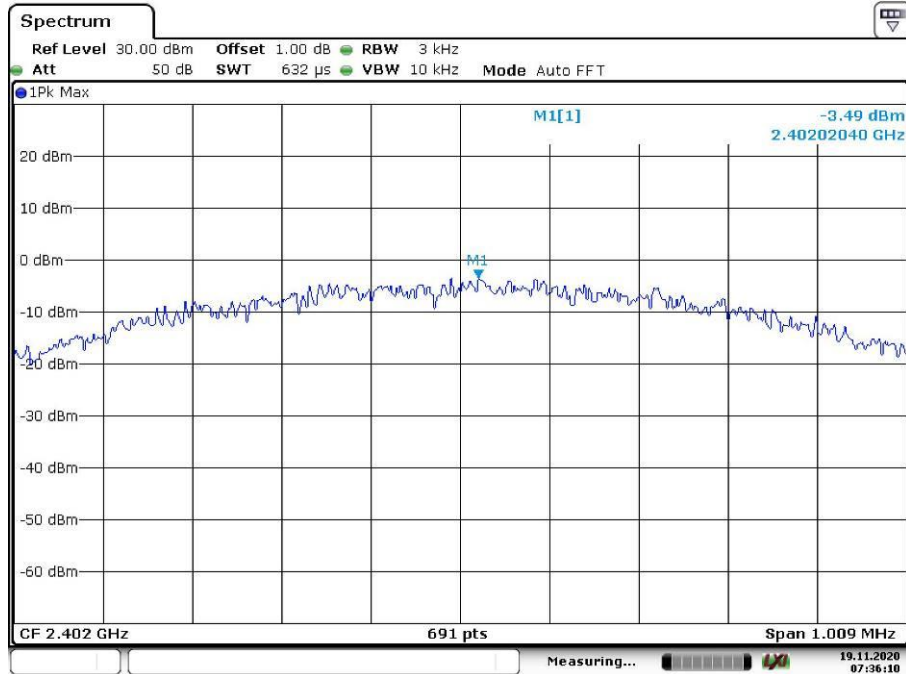


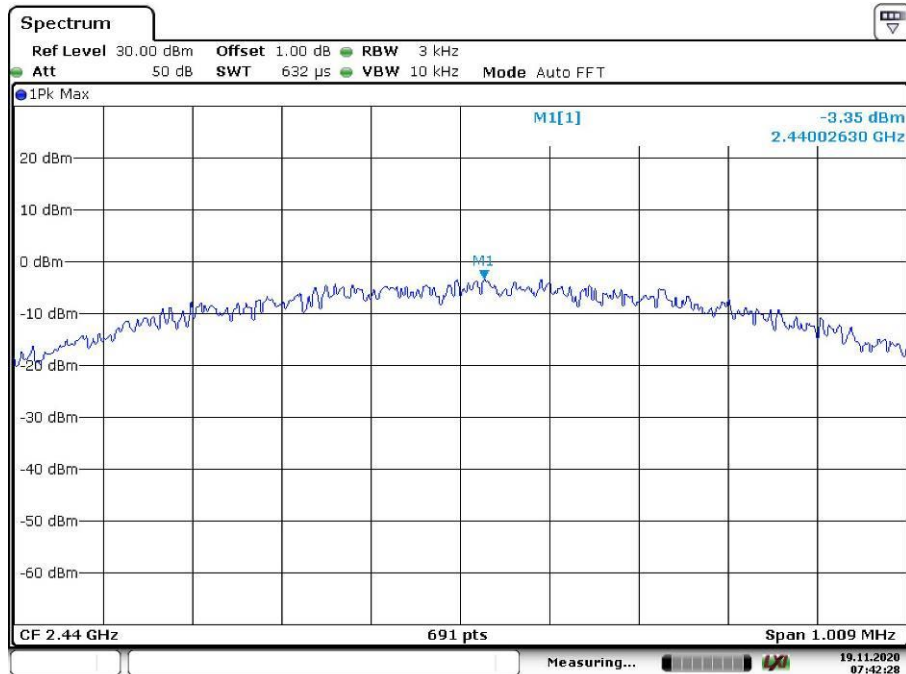
Appendix B: Test Results of Bluetooth LE

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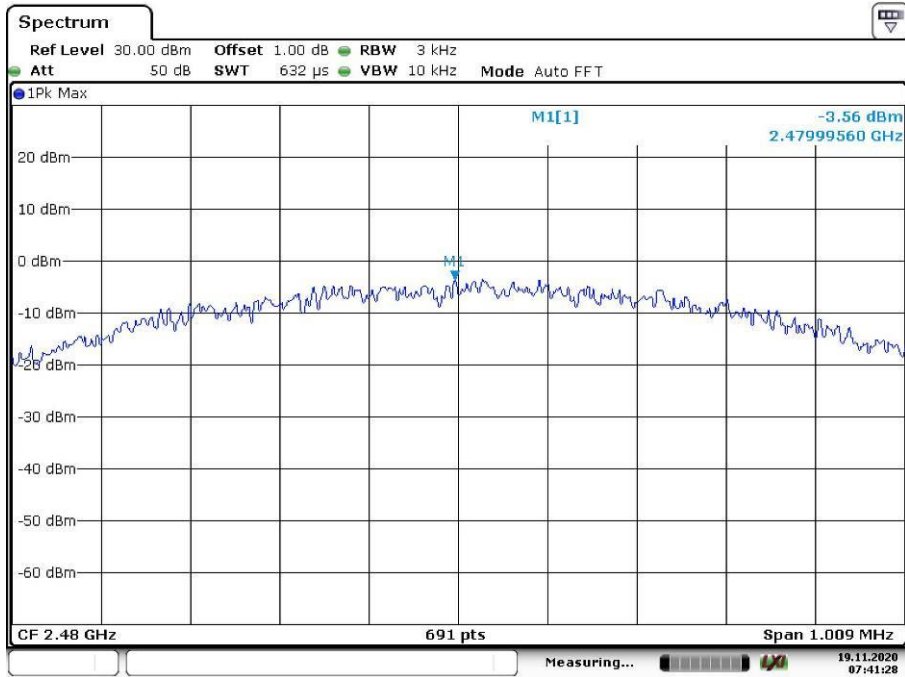
Appendix B.1: Test Results of Conducted Power Spectral Density



Date: 19.NOV.2020 07:36:11



Date: 19.NOV.2020 07:42:28



Date: 19.NOV.2020 07:41:29

Appendix B.2: Test Results of 6dB Bandwidth

FCC Part 47 §15.247 2400-2483.5 MHz 2017

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

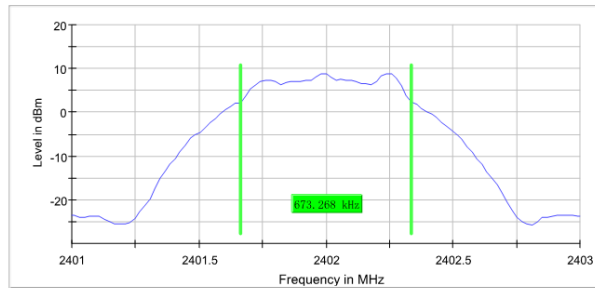
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.673268	0.500000	---	2401.663366	2402.336634

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	8.8	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	11 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.46 dB	0.50 dB

FCC Part 47 §15.247 2400-2483.5 MHz 2017

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

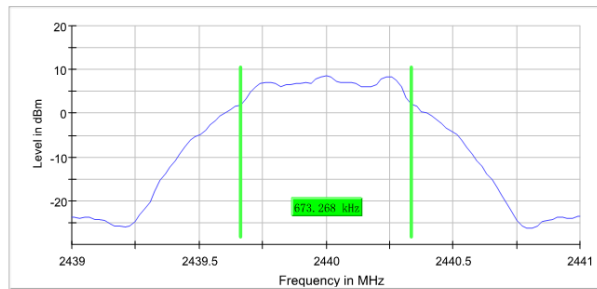
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	0.673268	0.500000	---	2439.663366	2440.336634

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2440.000000	8.5	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
Preamp	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

FCC Part 47 §15.247 2400-2483.5 MHz 2017

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

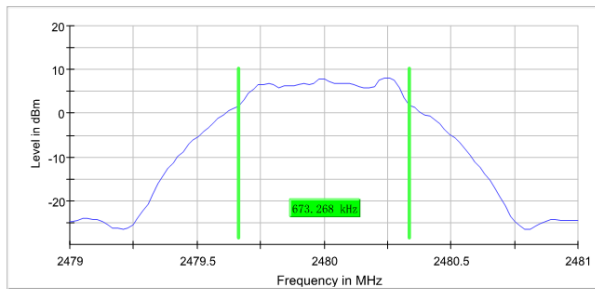
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.673268	0.500000	---	2479.663366	2480.336634

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	8.2	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	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	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.50 dB

Appendix B.3: Test Results of 99% Bandwidth

FCC Part 47 §15.247 2400-2483.5 MHz 2017

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

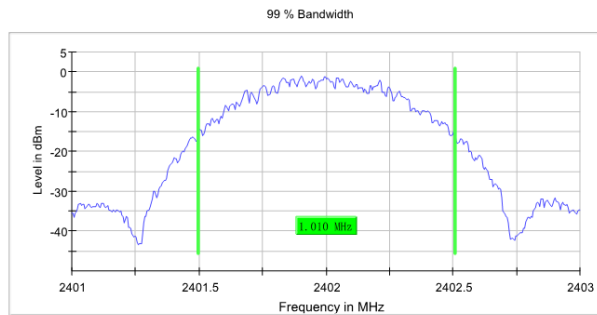
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.010000	---	---	2401.497500	2402.507500

(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	7 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.11 dB	0.30 dB

FCC Part 47 §15.247 2400-2483.5 MHz 2017

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

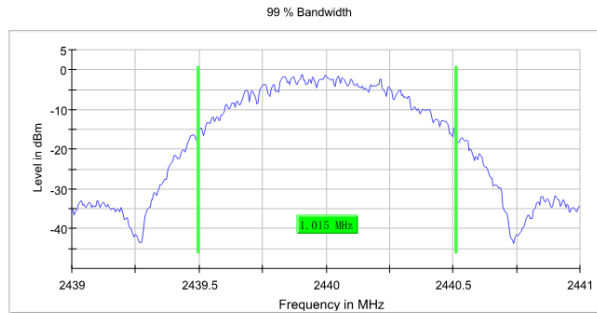
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

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	---	---	2439.497500	2440.512500

(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
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	6 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.16 dB	0.30 dB

FCC Part 47 §15.247 2400-2483.5 MHz 2017

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

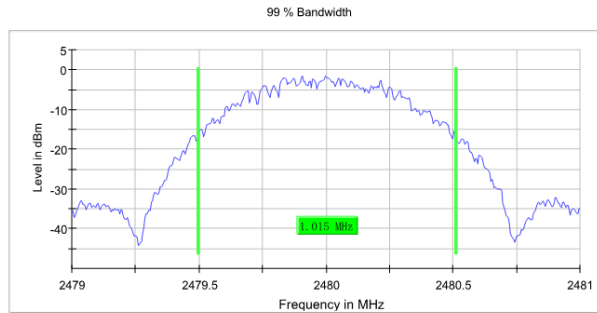
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.015000	---	---	2479.497500	2480.512500

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

DUT Frequency (MHz)	Result
2480.000000	PASS



Measurement

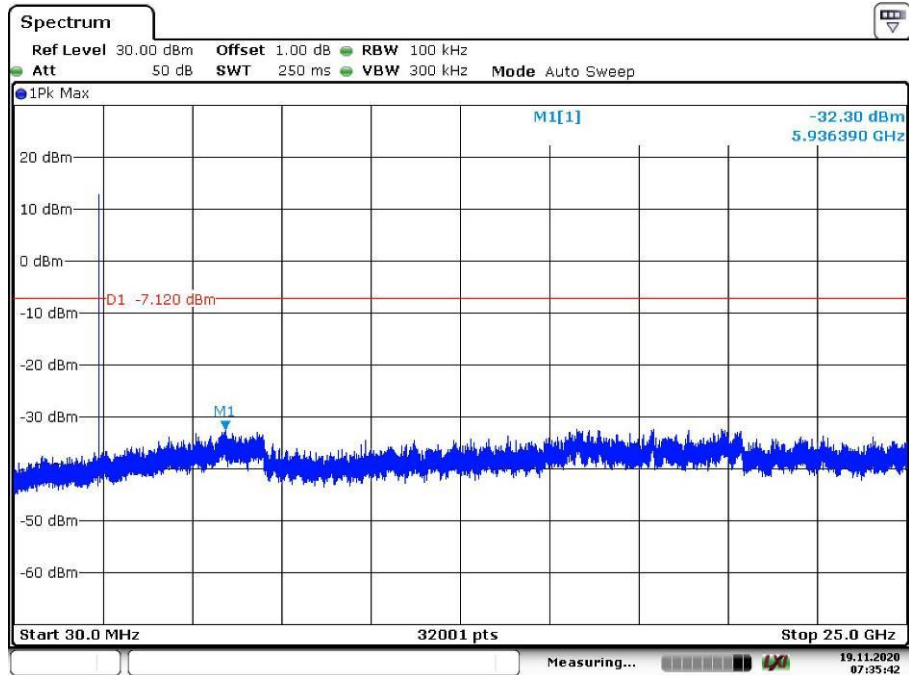
Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.06 dB	0.30 dB

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

Low Channel:



Date: 19.NOV.2020 07:34:44

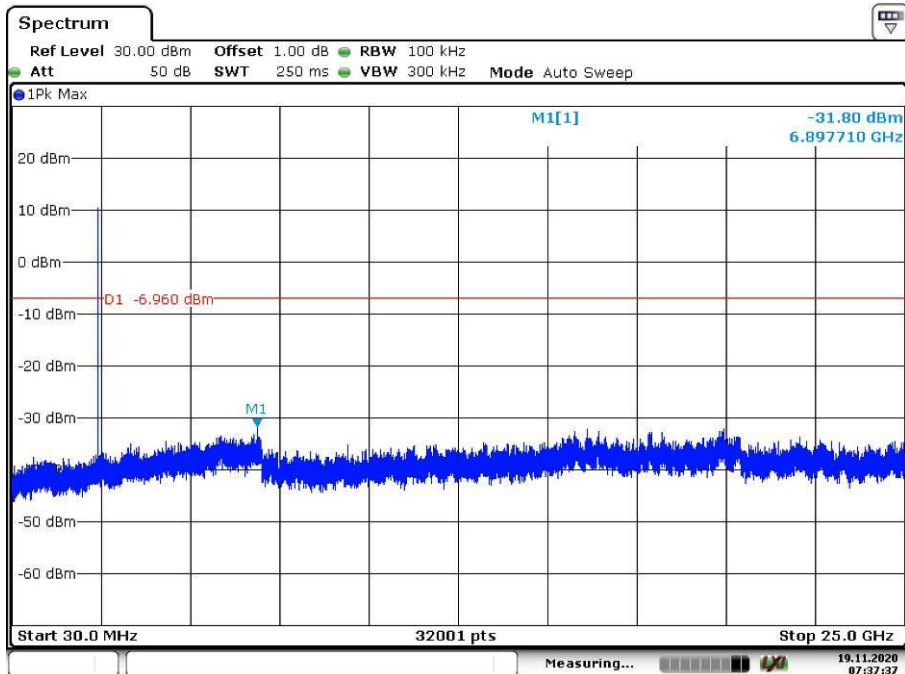


Date: 19.NOV.2020 07:35:42

Middle Channel:



Date: 19.NOV.2020 07:37:05

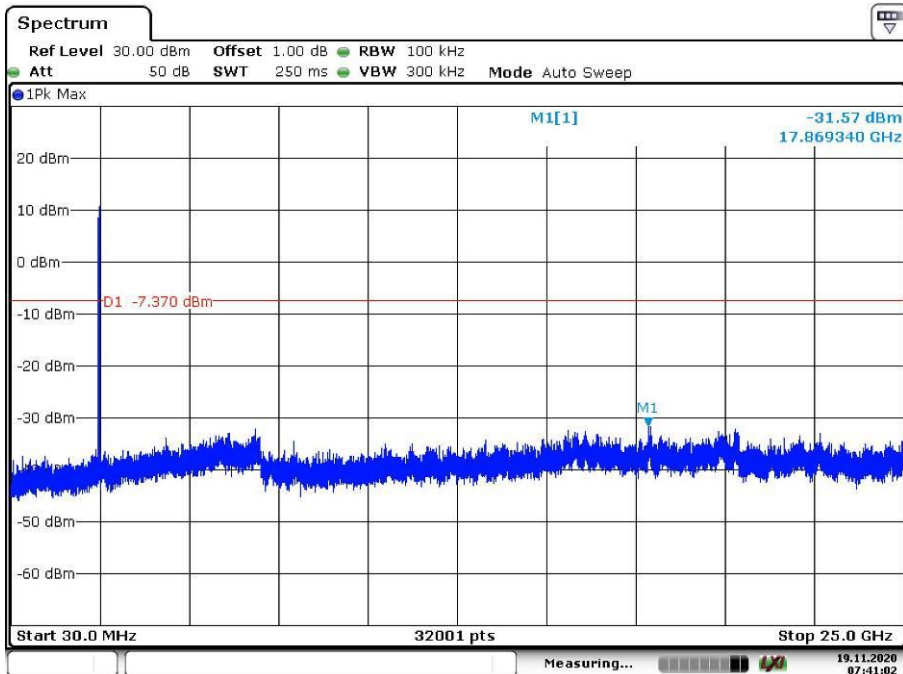


Date: 19.NOV.2020 07:37:37

High Channel:

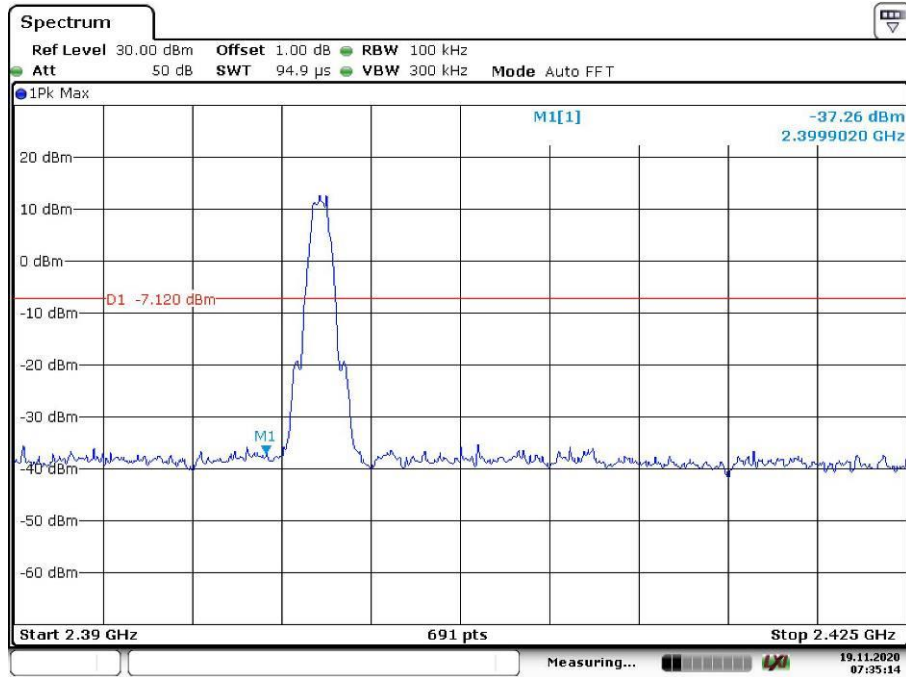


Date: 19.NOV.2020 07:40:11

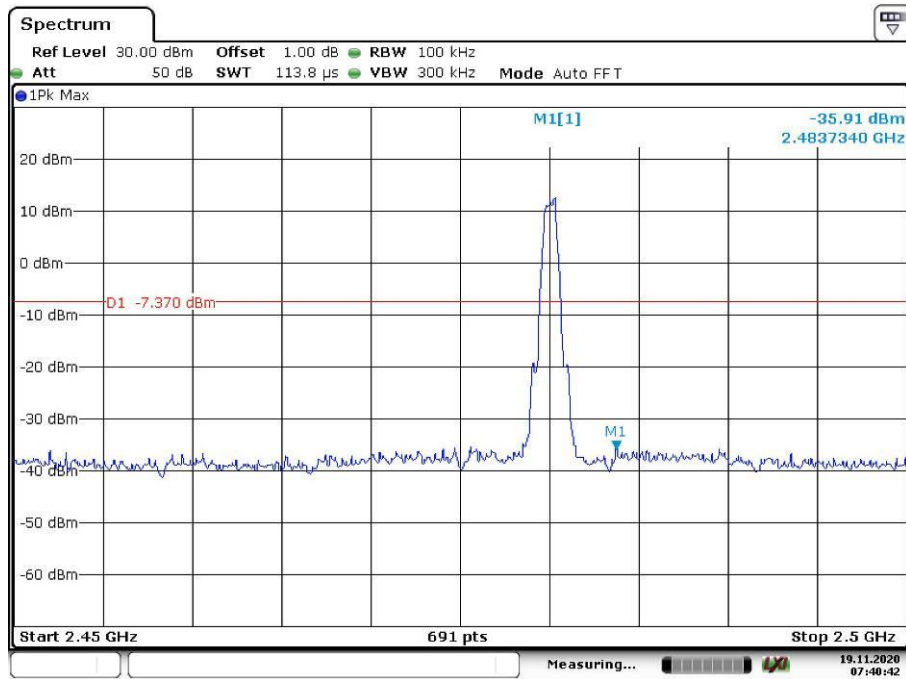


Date: 19.NOV.2020 07:41:02

Band Edge, Low Channel:



Band Edge, High Channel:



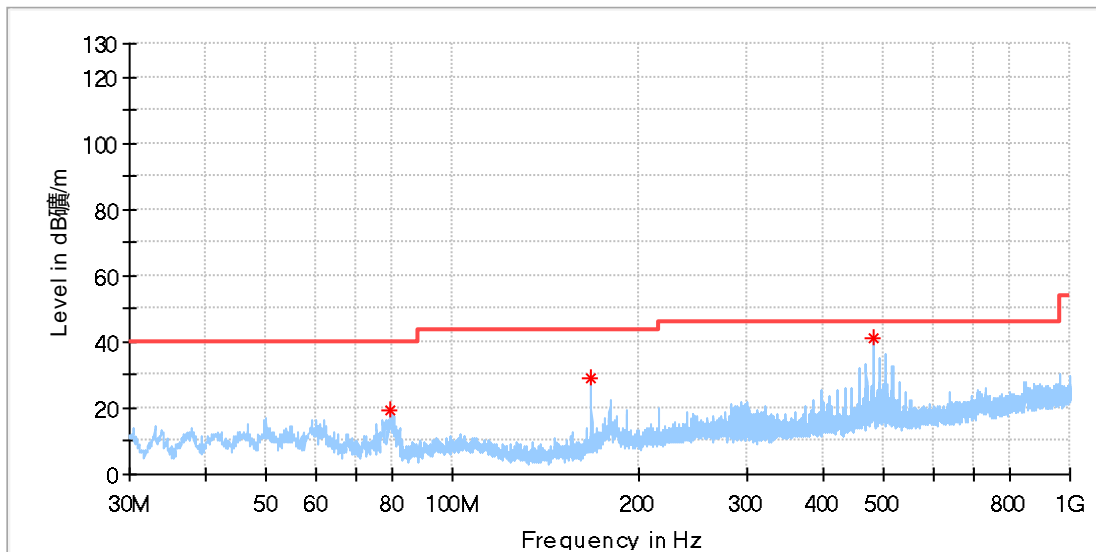
Appendix B.5: Test Results of Radiated Spurious Emissions

Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) 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.

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_Low Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

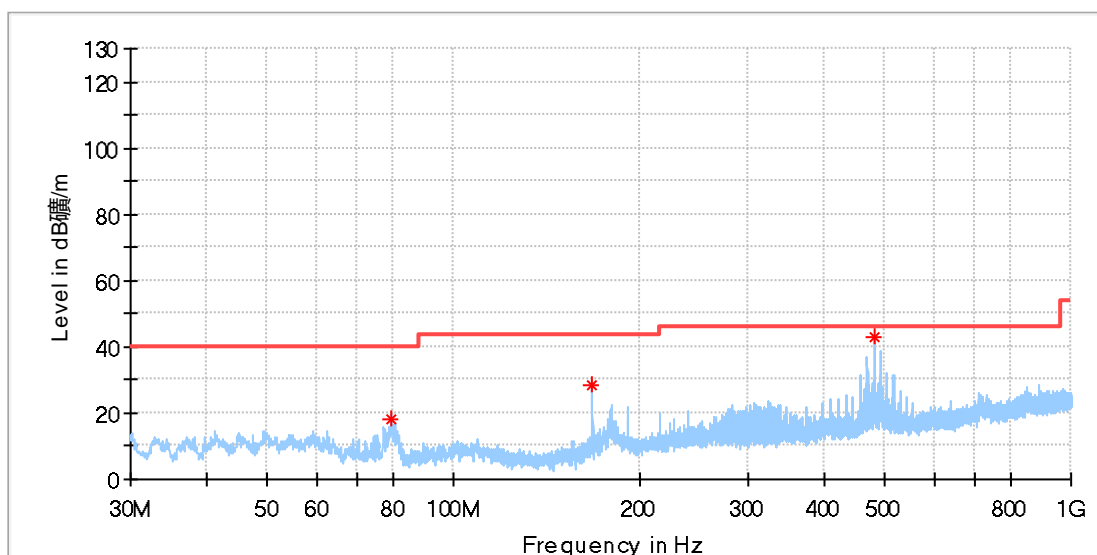
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
79.276000	19.07	---	40.00	20.93	100.0	H	39.0	-23.5
167.982500	28.79	---	43.50	14.71	100.0	H	157.0	-21.3
479.983000	41.18	---	46.00	4.82	100.0	H	138.0	-12.2

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_High Channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

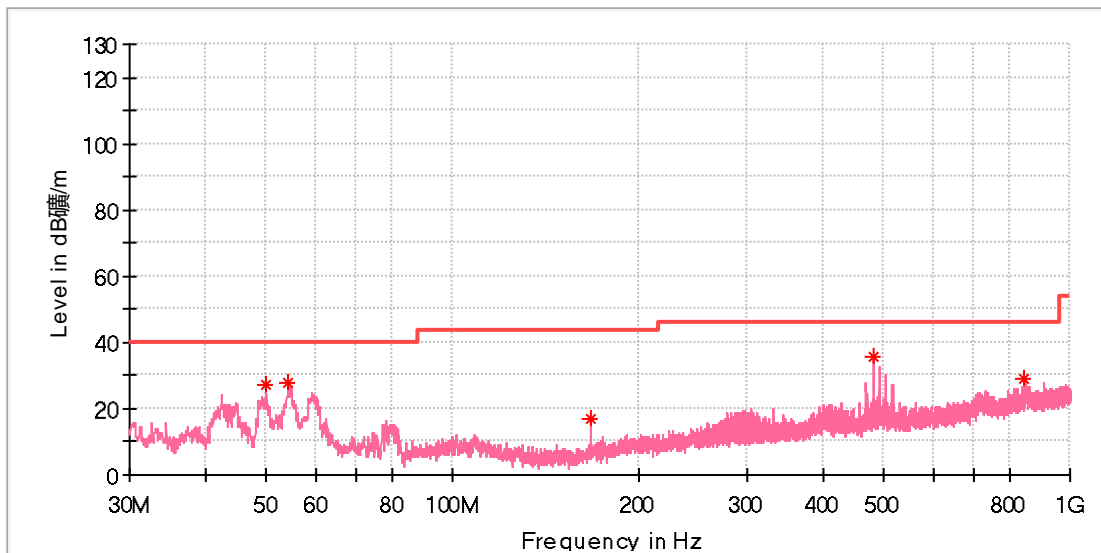
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
79.470000	18.08	---	40.00	21.92	100.0	H	184.0	-23.5
167.982500	28.52	---	43.50	14.98	100.0	H	158.0	-21.3
479.983000	43.17	---	46.00	2.83	100.0	H	139.0	-12.2

Final_Result

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

EUT Information

EUT Name: Robomaster TT Minor Controller
 Model: RMTTOC
 Test Mode: BLE_High Channel
 Test Voltage:: DC 5V From USB
 Remark: Temp 23 Humi:45%
 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)
49.982000	27.32	---	40.00	12.68	100.0	V	134.0	-18.3
54.104500	27.55	---	40.00	12.45	100.0	V	268.0	-18.4
167.982500	16.69	---	43.50	26.81	100.0	V	124.0	-21.3
479.983000	35.63	---	46.00	10.37	100.0	V	0.0	-12.2
844.848500	29.13	---	46.00	16.87	100.0	V	328.0	-5.6

Final_Result

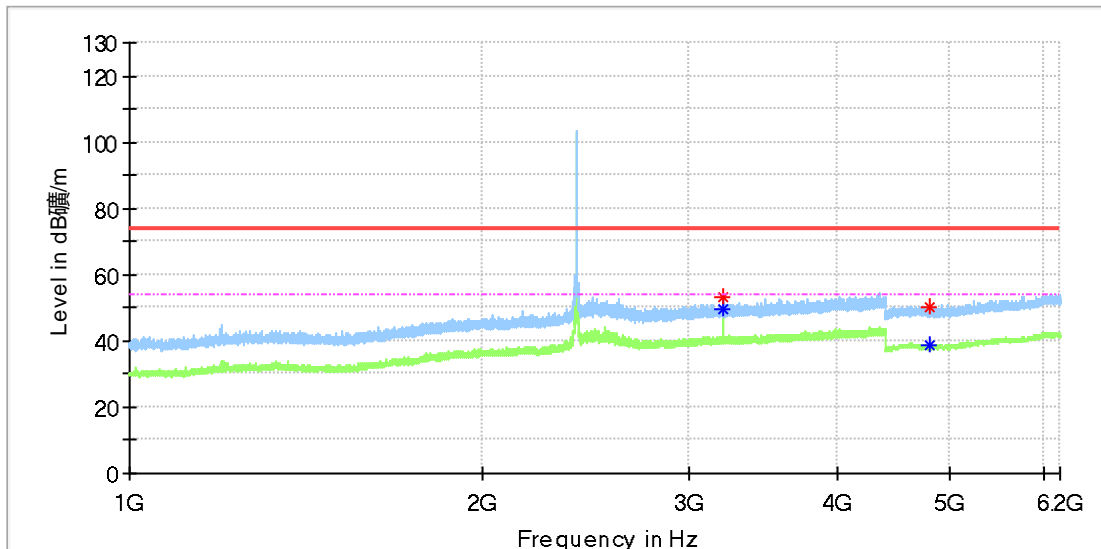
Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

1GHz-18GHz

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_Low channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

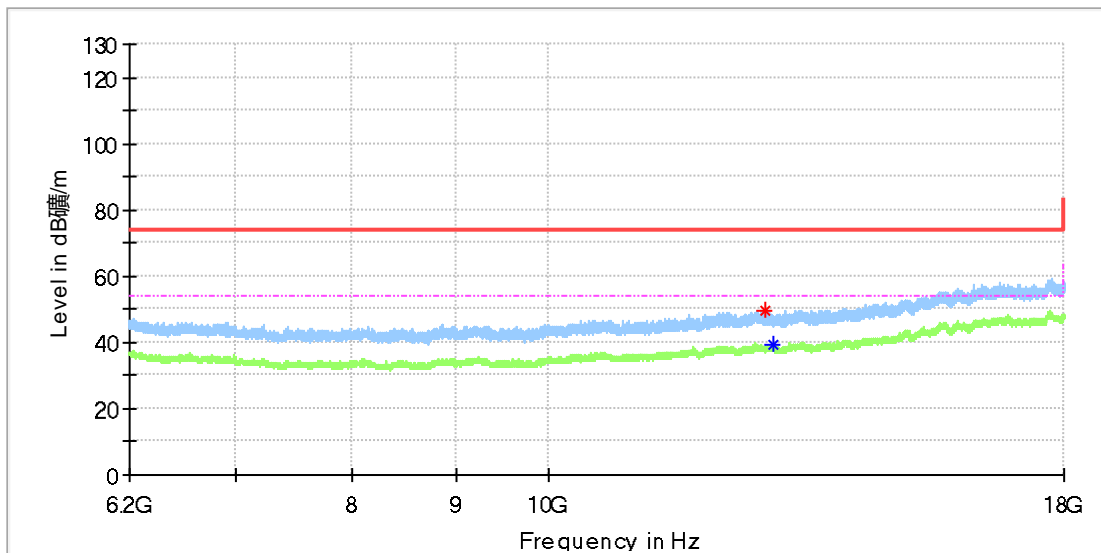
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3202.775000	53.35	---	74.00	20.65	100.0	H	259.0	8.6
3202.775000	---	49.72	54.00	4.28	100.0	H	259.0	8.6
4806.000000	49.99	---	74.00	24.01	100.0	H	58.0	11.8
4807.500000	---	38.72	54.00	15.28	100.0	H	203.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_Low channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

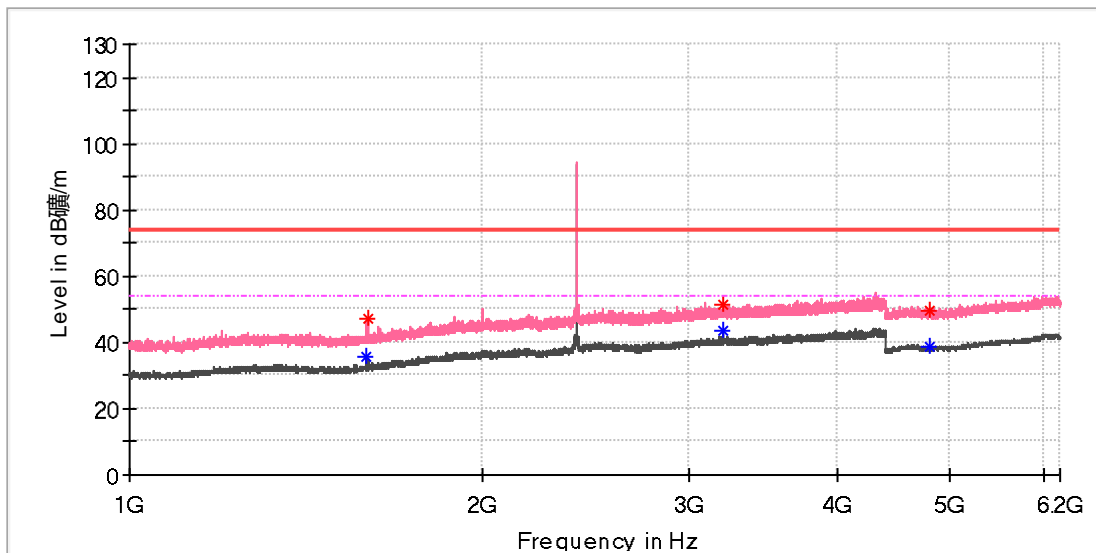
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
12807.016667	49.42	---	74.00	24.58	100.0	H	314.0	15.3
12923.050000	---	39.07	54.00	14.93	100.0	H	272.0	15.6

Final_Result

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

EUT Information

EUT Name: Robomaster TT Minor Controller
 Model: RMTTOC
 Test Mode: BLE_Low channel
 Test Voltage:: DC 5V From USB
 Remark: Temp 23 Humi:49%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

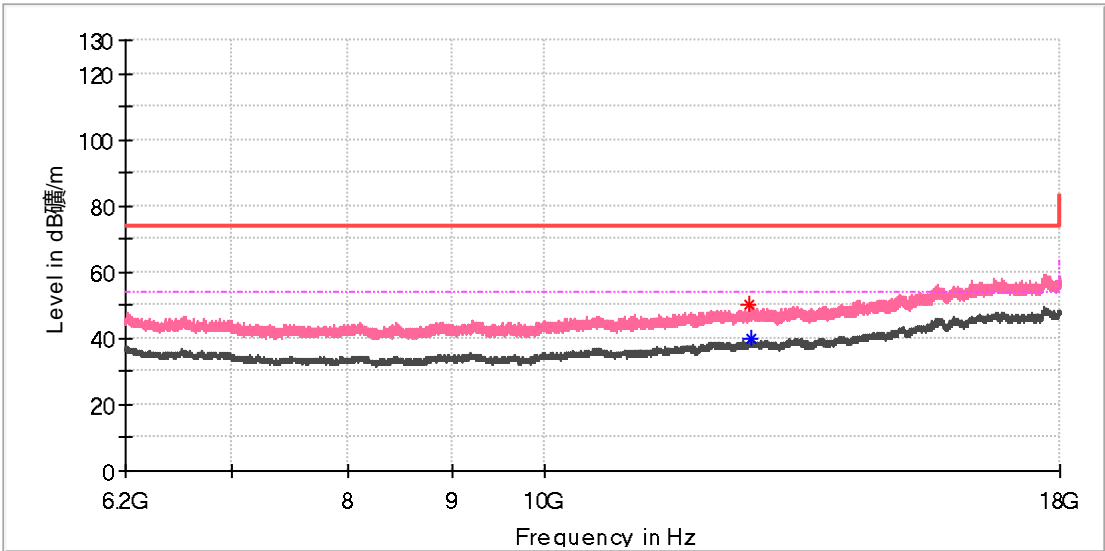
Frequency (MHz)	MaxiPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1592.662500	---	35.75	54.00	18.25	100.0	V	109.0	2.0
1598.400000	47.05	---	74.00	26.95	100.0	V	143.0	2.1
3202.562500	51.61	---	74.00	22.39	100.0	V	249.0	8.6
3202.775000	---	43.54	54.00	10.46	100.0	V	259.0	8.6
4804.000000	---	38.70	54.00	15.30	100.0	V	73.0	11.8
4809.000000	49.58	---	74.00	24.42	100.0	V	66.0	11.8

Final_Result

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

EUT Information

EUT Name: Robomaster TT Minor Controller
 Model: RMTTOC
 Test Mode: BLE_Low channel
 Test Voltage:: DC 5V From USB
 Remark: Temp 23 Humi:49%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

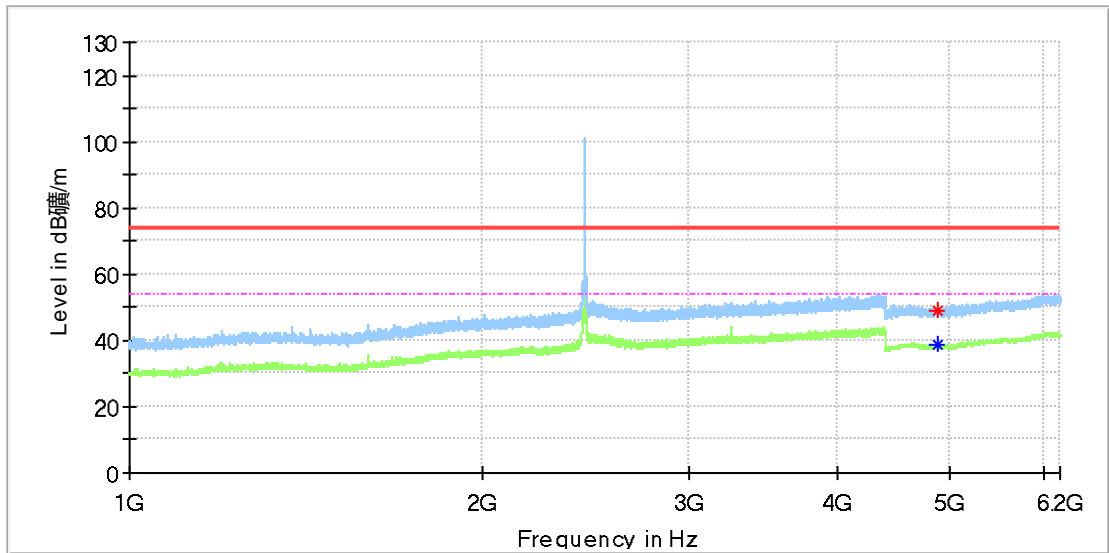
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
12635.916667	49.89	---	74.00	24.11	100.0	V	73.0	15.0
12663.450000	---	39.65	54.00	14.35	100.0	V	59.0	15.0

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_Mid channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

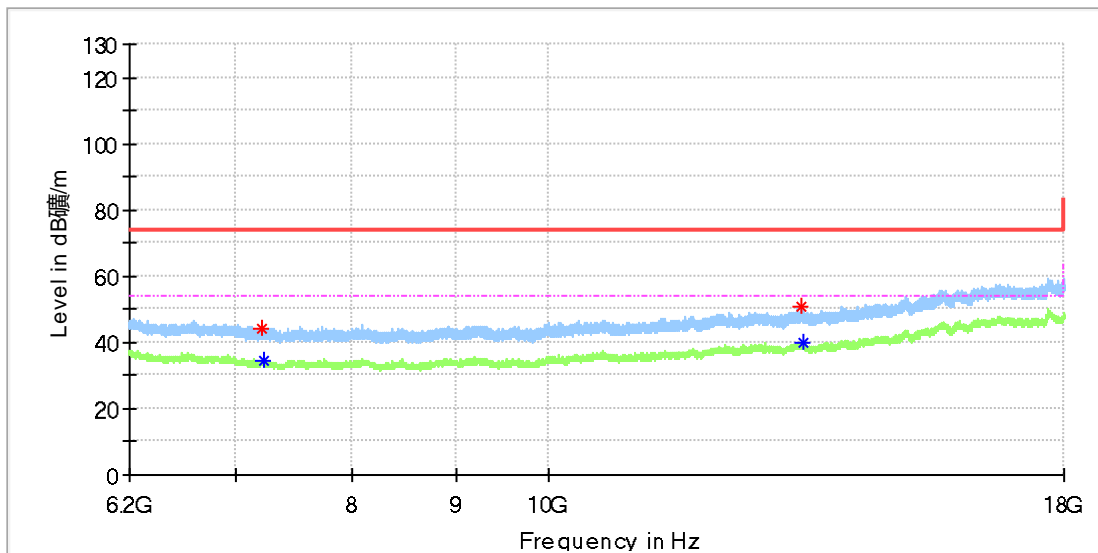
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	---	38.70	54.00	15.30	100.0	H	345.0	11.8
4883.500000	49.19	---	74.00	24.81	100.0	H	0.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_Mid channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

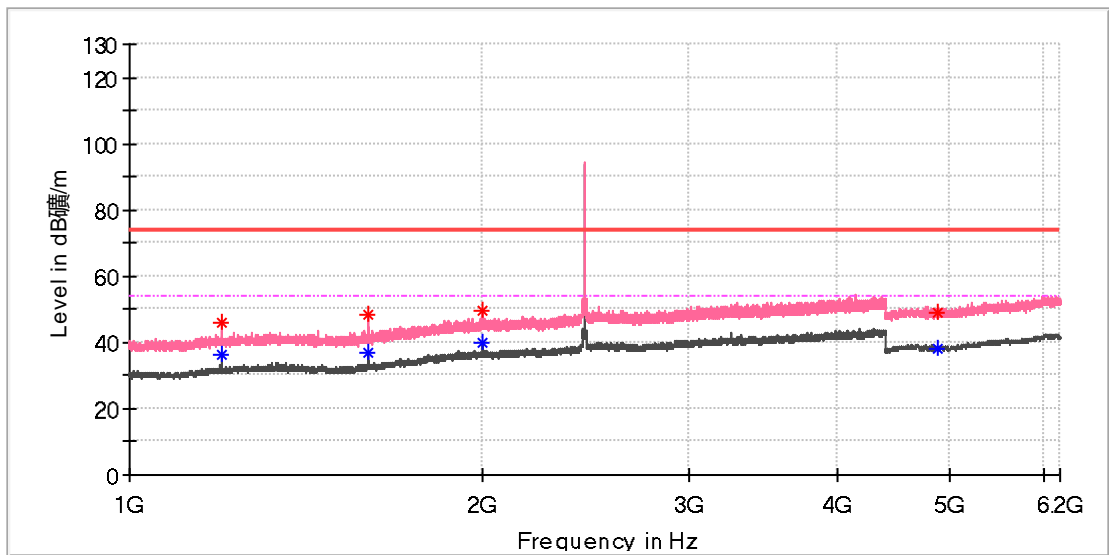
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7216.275000	43.98	---	74.00	30.02	100.0	H	264.0	8.7
7223.158333	---	34.74	54.00	19.26	100.0	H	0.0	8.7
13342.441667	50.66	---	74.00	23.34	100.0	H	322.0	15.5
13358.175000	---	39.95	54.00	14.05	100.0	H	124.0	15.5

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_Mid channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

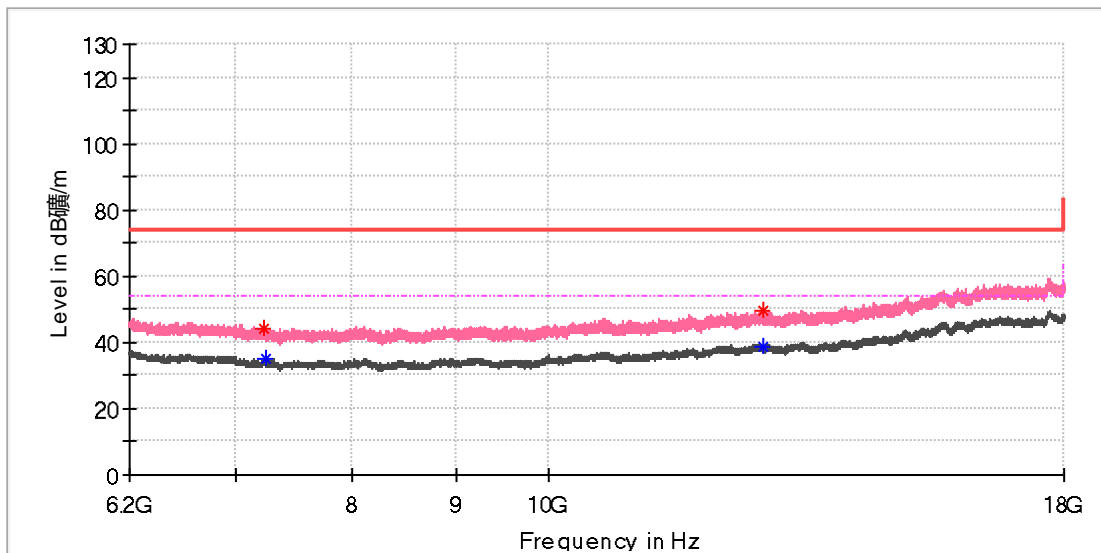
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.750000	---	36.26	54.00	17.74	100.0	V	333.0	1.1
1199.750000	45.90	---	74.00	28.10	100.0	V	333.0	1.1
1595.425000	---	36.71	54.00	17.29	100.0	V	250.0	2.0
1595.425000	48.32	---	74.00	25.68	100.0	V	250.0	2.0
1996.200000	---	39.63	54.00	14.37	100.0	V	290.0	6.0
1996.200000	49.29	---	74.00	24.71	100.0	V	290.0	6.0
4875.500000	49.20	---	74.00	24.80	100.0	V	203.0	11.8
4879.000000	---	38.25	54.00	15.75	100.0	V	54.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_Mid channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

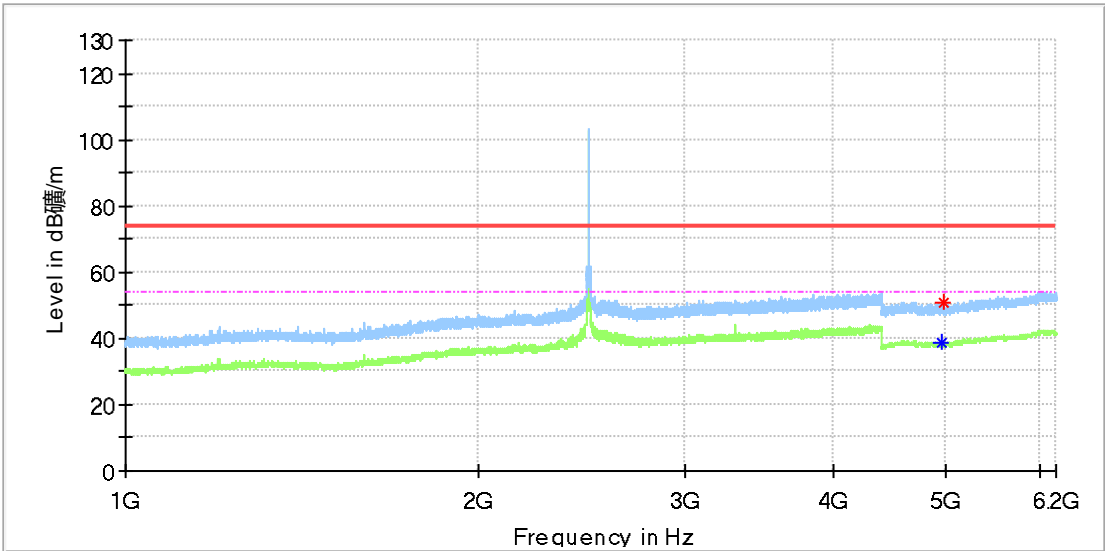
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7228.075000	44.27	---	74.00	29.73	100.0	V	81.0	8.7
7238.400000	---	34.88	54.00	19.12	100.0	V	234.0	8.6
12766.700000	---	38.92	54.00	15.08	100.0	V	180.0	15.2
12782.433333	49.65	---	74.00	24.35	100.0	V	289.0	15.2

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_High channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

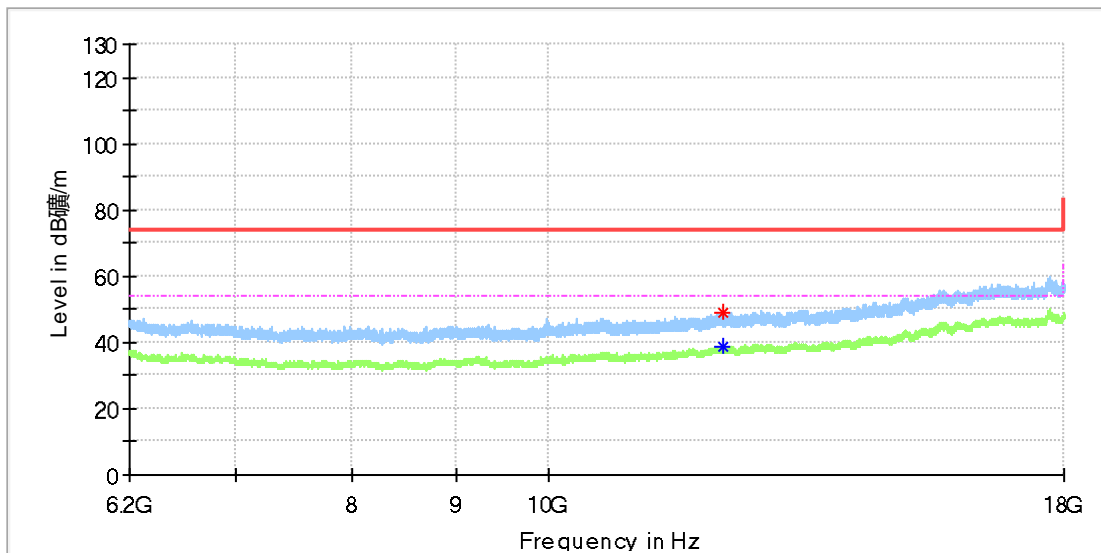
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4957.500000	---	38.85	54.00	15.15	100.0	H	345.0	11.8
4966.000000	50.52	---	74.00	23.48	100.0	H	3.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_High channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

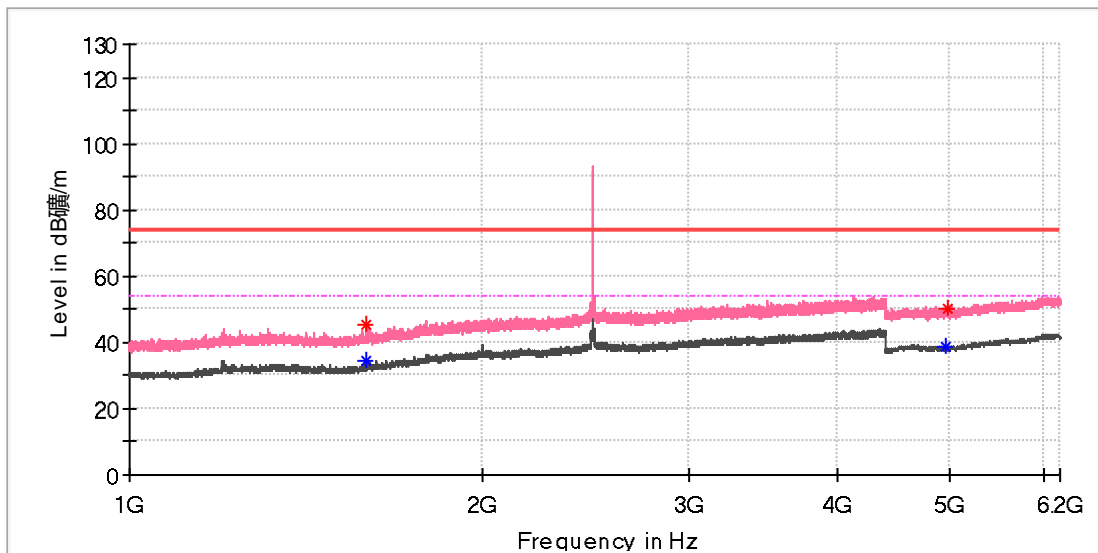
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
12200.300000	48.69	---	74.00	25.31	100.0	H	127.0	14.7
12208.166667	---	38.58	54.00	15.42	100.0	H	170.0	14.7

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_High channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

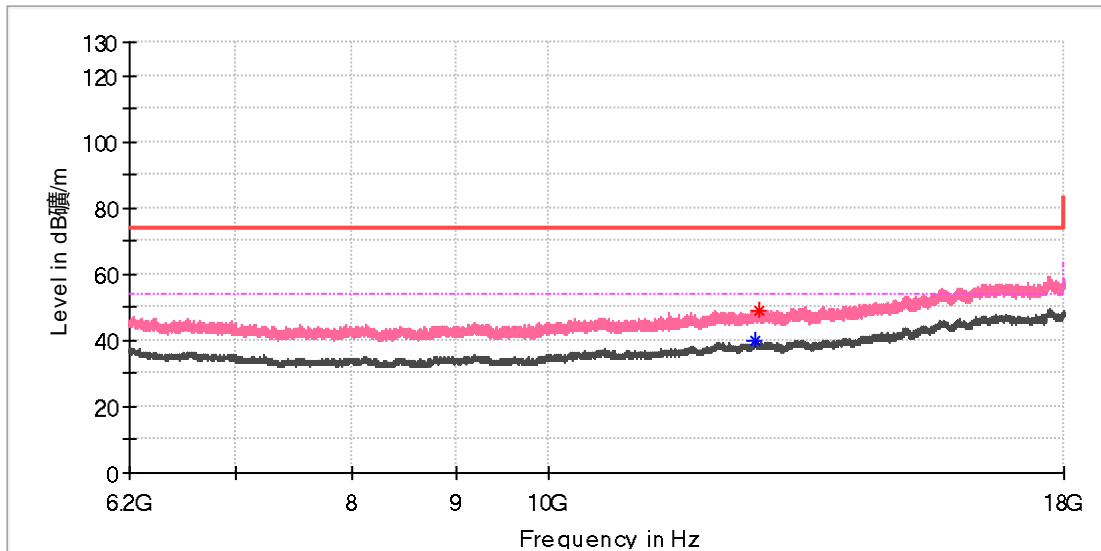
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1593.300000	45.51	---	74.00	28.49	100.0	V	248.0	2.0
1593.300000	---	34.64	54.00	19.36	100.0	V	248.0	2.0
4962.500000	---	38.63	54.00	15.37	100.0	V	118.0	11.8
4968.500000	50.32	---	74.00	23.68	100.0	V	181.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_High channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
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)
12659.516667	---	40.07	54.00	13.93	100.0	V	123.0	15.0
12728.350000	49.10	---	74.00	24.90	100.0	V	153.0	15.2

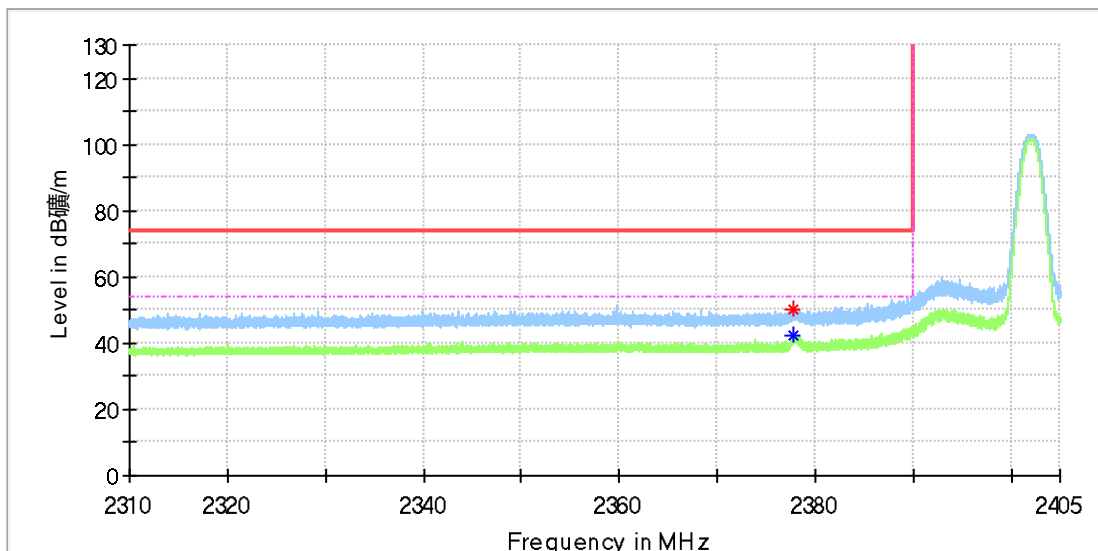
Final_Result

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

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_Low channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

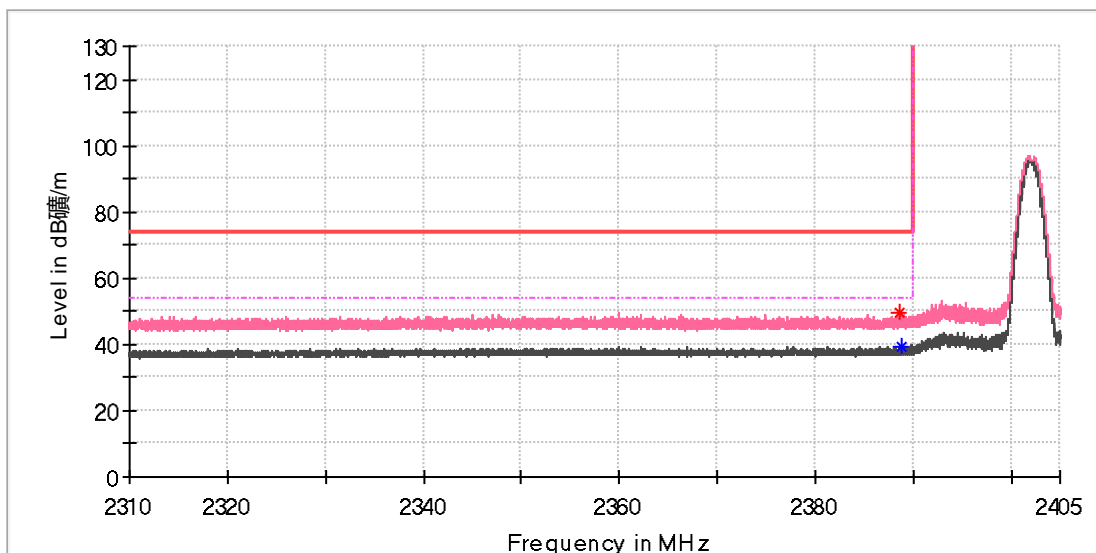
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2377.853750	50.15	---	74.00	23.85	100.0	H	26.0	6.9
2377.871563	---	42.27	54.00	11.73	100.0	H	119.0	6.9

Final Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_Low channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

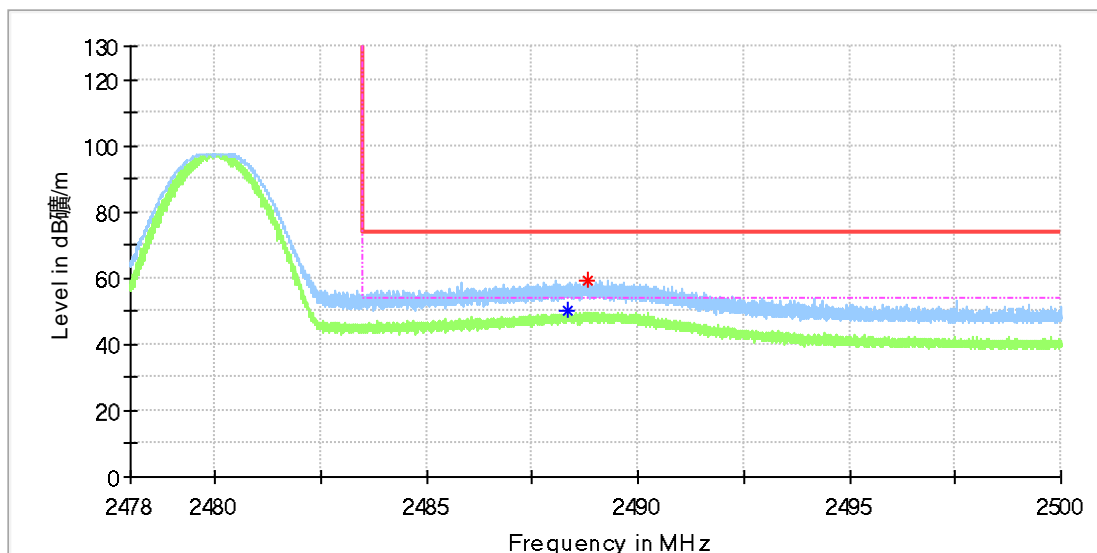
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.701563	49.45	---	74.00	24.55	100.0	V	316.0	7.0
2388.921250	---	39.38	54.00	14.62	100.0	V	260.0	7.0

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_High channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

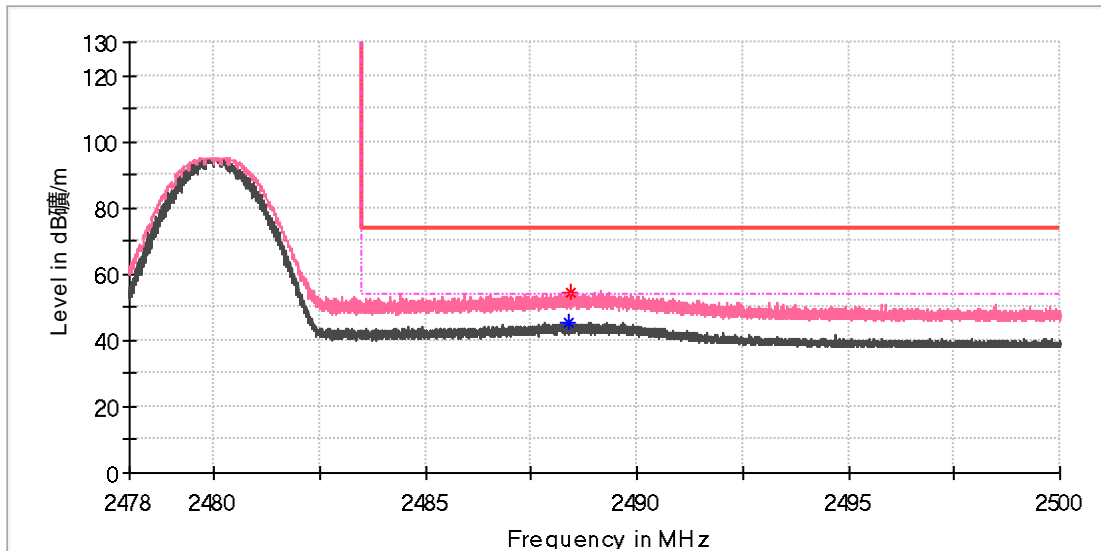
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.324875	---	49.97	54.00	4.03	100.0	H	203.0	7.4
2488.817125	59.35	---	74.00	14.65	100.0	H	77.0	7.4

Final_Result

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Model:	RMTTOC
Test Mode:	BLE_High channel
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:49%
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)
2488.375750	---	45.10	54.00	8.90	100.0	V	59.0	7.4
2488.414250	54.22	---	74.00	19.78	100.0	V	321.0	7.4

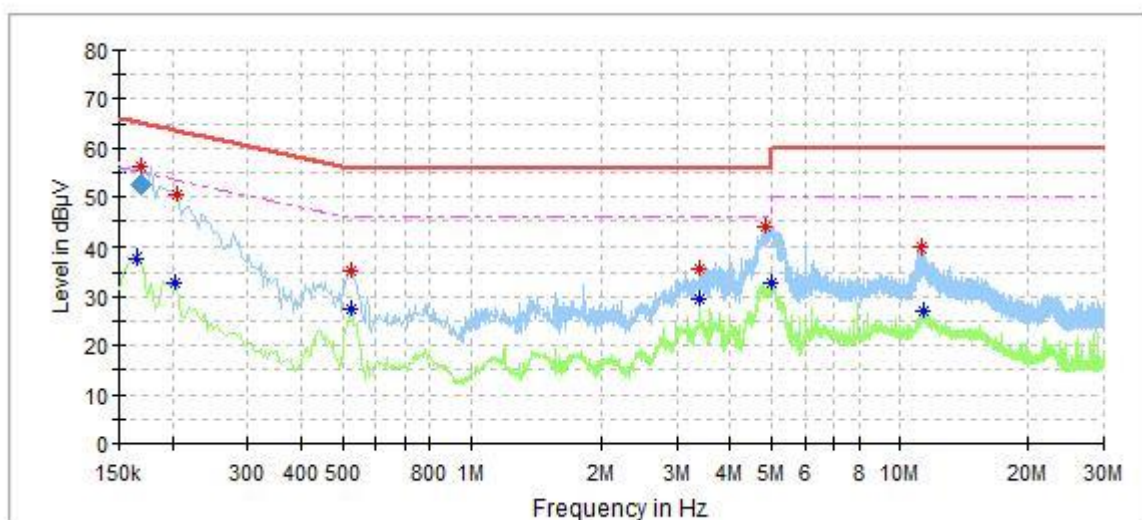
Final_Result

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

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

EUT Information

EUT Name:	Robomaster TT Minor Controller
Order No.:	RMTTOC
Model:	RMTTOC
Test Mode:	Data Transmission with PC + Bluetooth + Wi-Fi
Test Voltage:	DC 5V for USB port of laptop
Test By:	Mac Xie
Review By:	Gary Chen
Remark:	SR1



Critical_Freqs

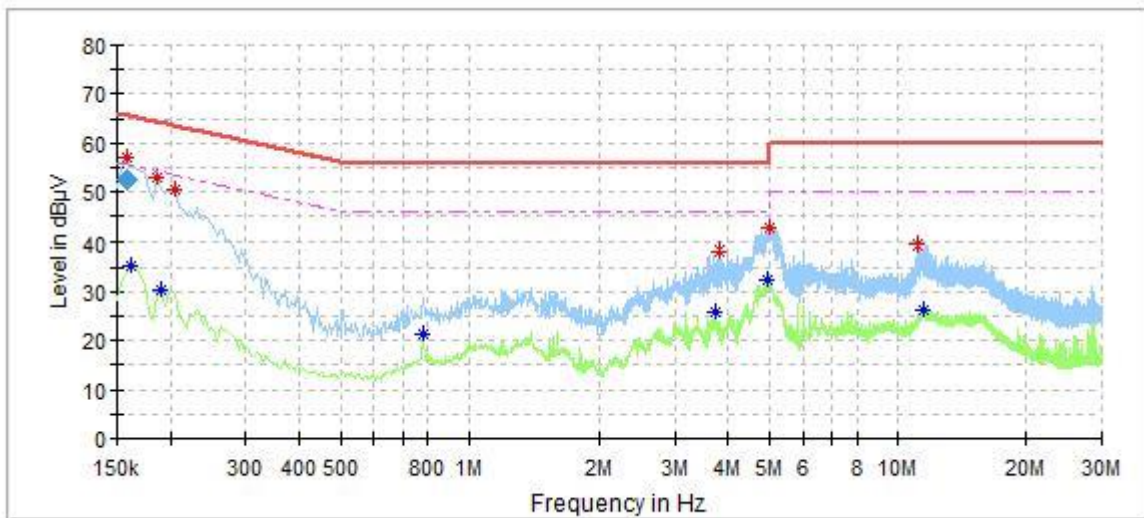
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.166000	---	37.73	55.16	17.43	L1	9.6
0.168500	56.01	---	64.58	8.57	L1	9.6
0.202000	---	33.01	53.53	20.51	L1	9.6
0.206000	50.35	---	63.37	13.02	L1	9.6
0.524000	---	27.35	46.00	18.65	L1	9.7
0.524000	35.34	---	56.00	20.66	L1	9.7
3.396000	---	29.37	46.00	16.63	L1	9.8
3.396000	35.83	---	56.00	20.17	L1	9.8
4.820000	43.77	---	56.00	12.23	L1	9.9
4.996000	---	32.85	46.00	13.15	L1	9.9
11.256000	39.70	---	60.00	20.30	L1	10.2
11.412000	---	27.09	50.00	22.91	L1	10.2

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.168500	52.64	---	65.03	12.39	200.0	9.000	L1	9.6

EUT Information

EUT Name:	Robomaster TT Minor Controller
Order No.:	RMTTOC
Model:	RMTTOC
Test Mode:	Data Transmission with PC + Bluetooth + Wi-Fi
Test Voltage:	DC 5V for USB port of laptop
Test By:	Mac Xie
Review By:	Gary Chen
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.158000	56.93	---	65.57	8.64	N	9.6
0.162000	---	35.14	55.36	20.22	N	9.6
0.186000	52.73	---	64.21	11.48	N	9.6
0.190000	---	30.36	54.04	23.67	N	9.6
0.206000	50.41	---	63.37	12.96	N	9.6
0.780000	---	21.22	46.00	24.78	N	9.7
3.720000	---	25.72	46.00	20.28	N	9.8
3.804000	38.13	---	56.00	17.87	N	9.8
4.972000	---	32.37	46.00	13.63	N	9.9
4.996000	42.86	---	56.00	13.14	N	9.9
11.156000	39.51	---	60.00	20.49	N	10.2
11.424000	---	26.36	50.00	23.64	N	10.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.158000	52.59	---	65.57	12.98	200.0	9.000	N	9.6