

Appendix A: Test Results of Radiated Spurious Emissions

APPENDIX A: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS.....	1
APPENDIX A.1: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS, BLUETOOTH LE.....	2
30 MHz - 1GHz	2
1GHz - 18GHz	4
APPENDIX A.2: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS, BLUETOOTH LE	16
APPENDIX A.3: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS, 2.4GHz Wi-Fi	20
30 MHz - 1GHz	20
1GHz - 18GHz	22
APPENDIX A.4: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS, 2.4GHz Wi-Fi	46
APPENDIX A.5: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS.....	62

Appendix A.1: Test Results of Radiated Spurious Emissions, Bluetooth LE

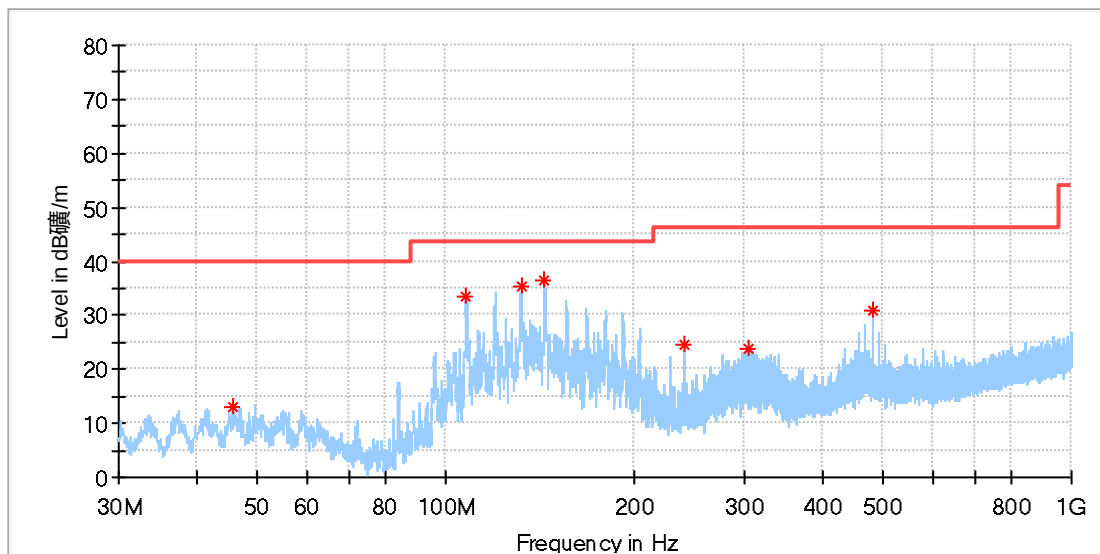
Note:

- 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.

30 MHz - 1GHz

EUT Information

EUT Name:	2.4GHz Wi-Fi & BT IoT Module
Model:	WT1000
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168431635/A003497474-002
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

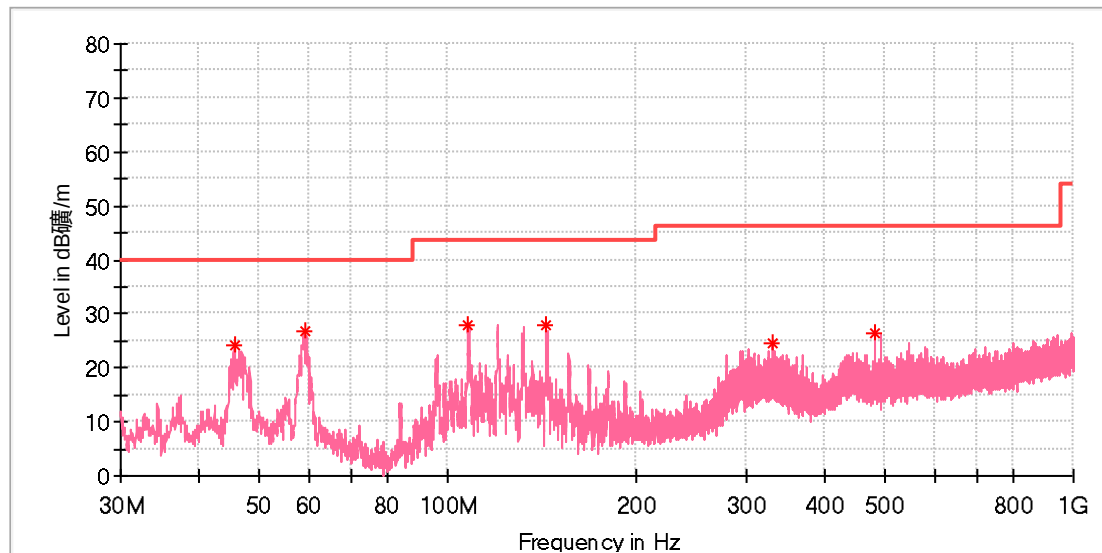
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.594615	13.19	40.00	26.81	100.0	H	45.0	-19.0
107.786539	33.41	43.50	10.09	100.0	H	167.0	-19.3
131.924615	35.45	43.50	8.05	100.0	H	354.0	-22.3
143.975000	36.64	43.50	6.86	100.0	H	6.0	-22.6
240.005000	24.54	46.00	21.46	100.0	H	354.0	-18.0
305.629231	23.65	46.00	22.35	100.0	H	242.0	-16.5
480.005385	31.03	46.00	14.97	100.0	H	20.0	-12.6

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168431635/A003497474-002
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)
45.557308	24.08	40.00	15.92	100.0	V	208.0	-19.1
58.950769	26.65	40.00	13.35	100.0	V	87.0	-19.2
107.786539	28.09	43.50	15.41	100.0	V	288.0	-19.3
143.863077	27.94	43.50	15.56	100.0	V	288.0	-22.6
329.953846	24.52	46.00	21.48	100.0	V	157.0	-15.7
480.005385	26.52	46.00	19.48	100.0	V	257.0	-12.6

Final_Result

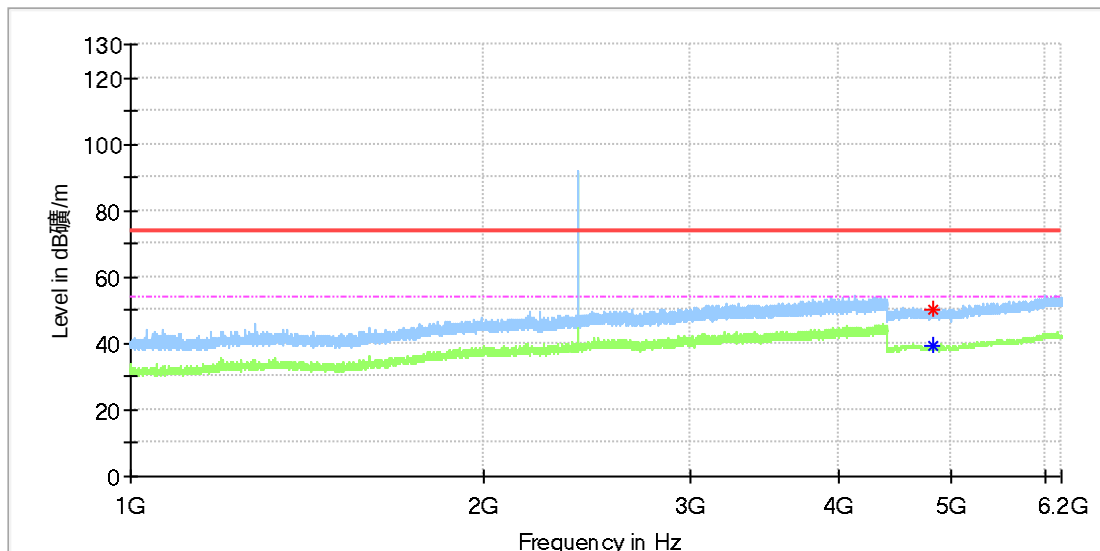
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	2.4GHz Wi-Fi & BT IoT Module
Model:	WT1000
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168431635/A003497474-002
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

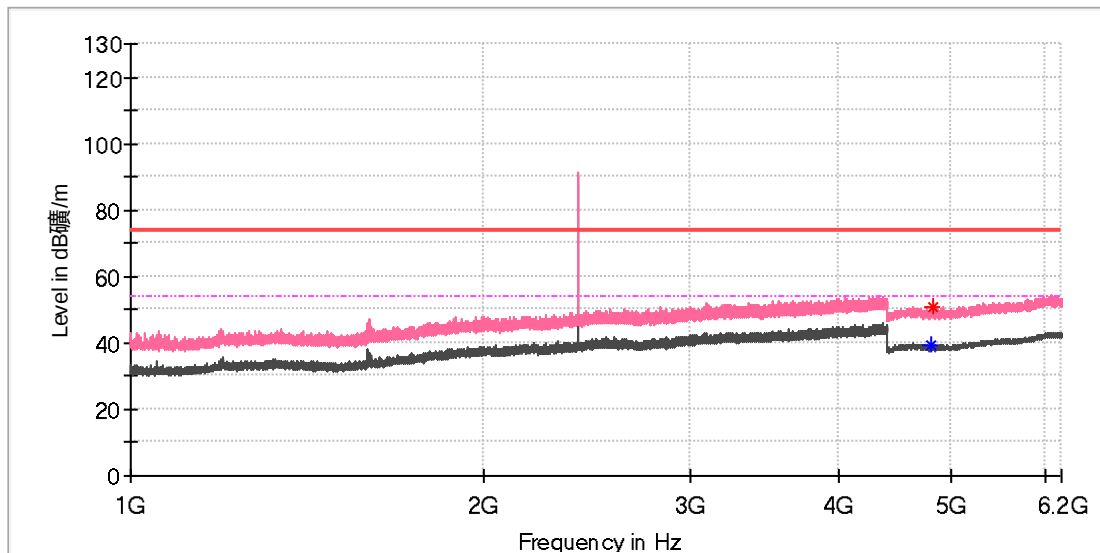
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4817.000000	---	39.32	54.00	14.68	150.0	H	229.0	11.8
4820.000000	50.23	---	74.00	23.77	150.0	H	71.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

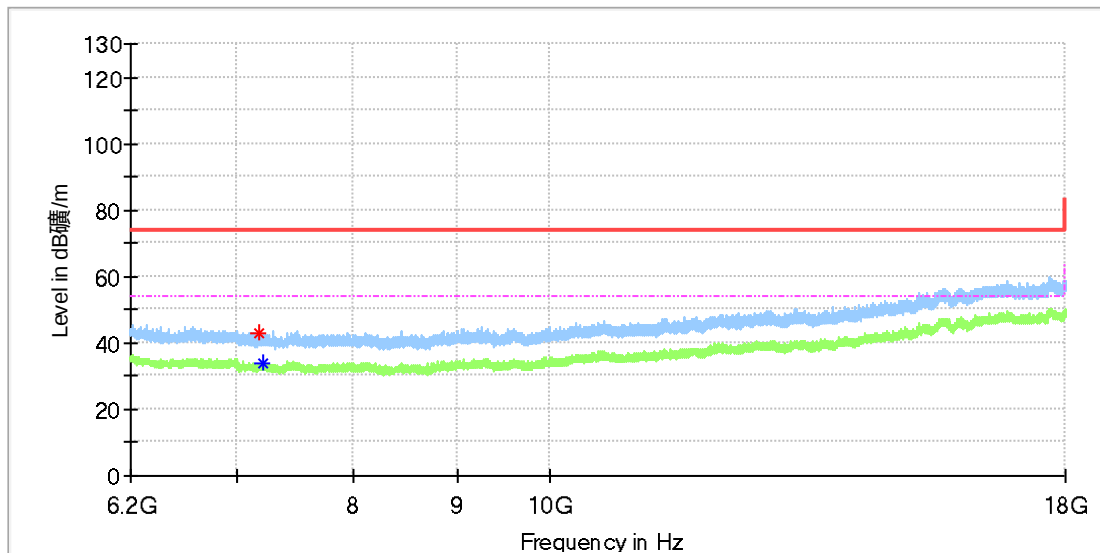
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4802.000000	---	39.52	54.00	14.48	150.0	V	223.0	11.8
4824.500000	50.67	---	74.00	23.33	150.0	V	45.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

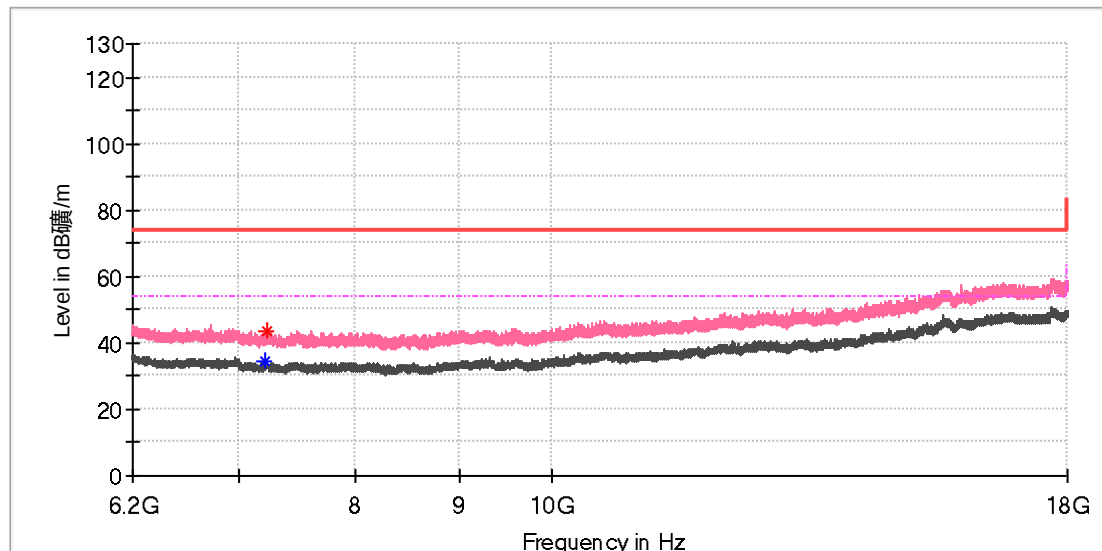
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7182.841667	42.73	---	74.00	31.27	150.0	H	0.0	8.8
7206.933333	---	34.15	54.00	19.85	150.0	H	0.0	8.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

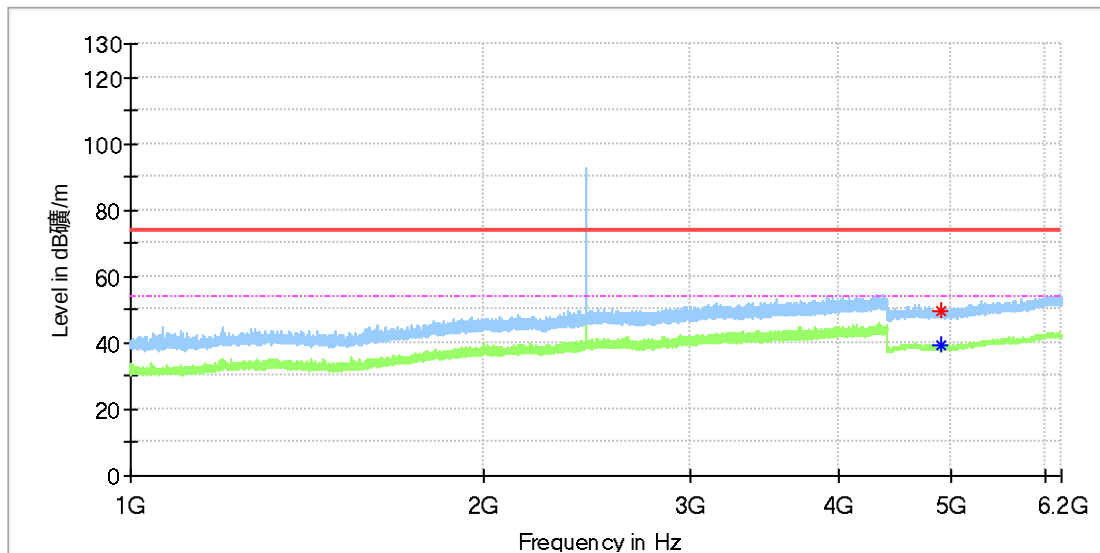
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7209.391667	---	34.45	54.00	19.55	150.0	V	354.0	8.8
7225.125000	43.23	---	74.00	30.77	150.0	V	124.0	8.7

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

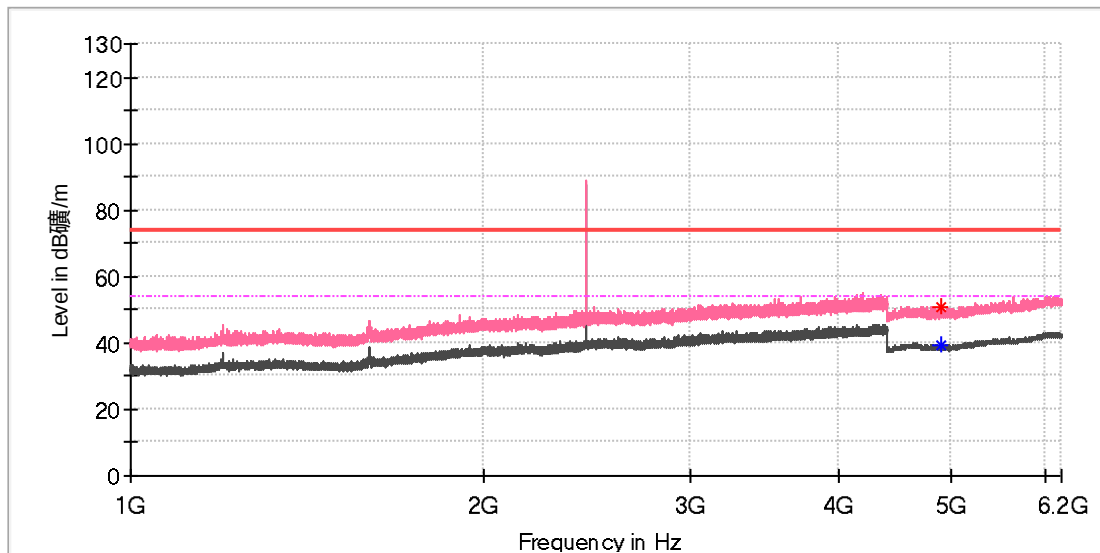
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4893.000000	49.86	---	74.00	24.14	150.0	H	291.0	11.8
4904.000000	---	39.53	54.00	14.47	150.0	H	246.0	11.8

Final Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

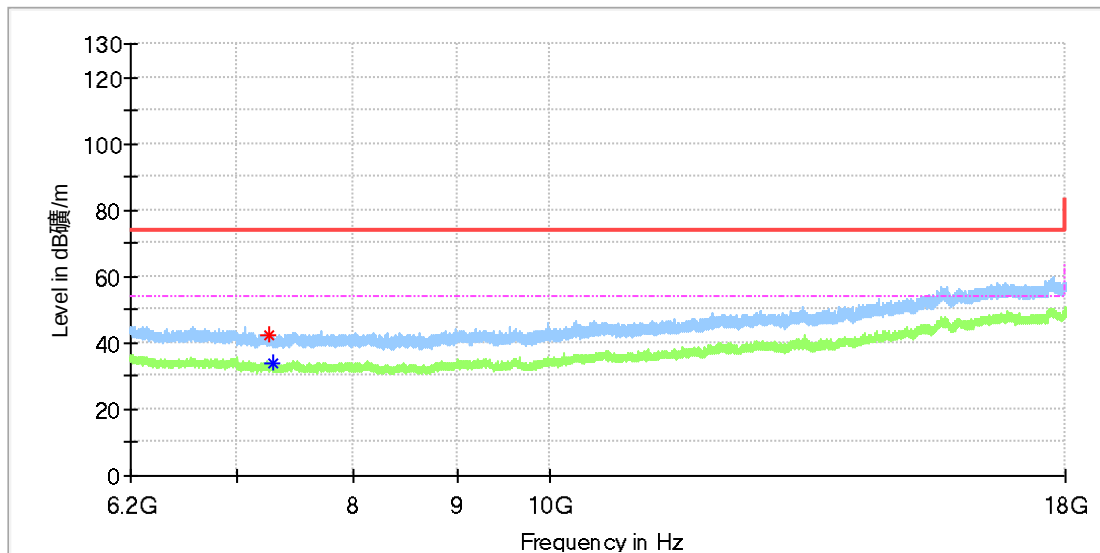
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4900.500000	50.85	---	74.00	23.15	150.0	V	207.0	11.8
4903.500000	---	39.09	54.00	14.91	150.0	V	190.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

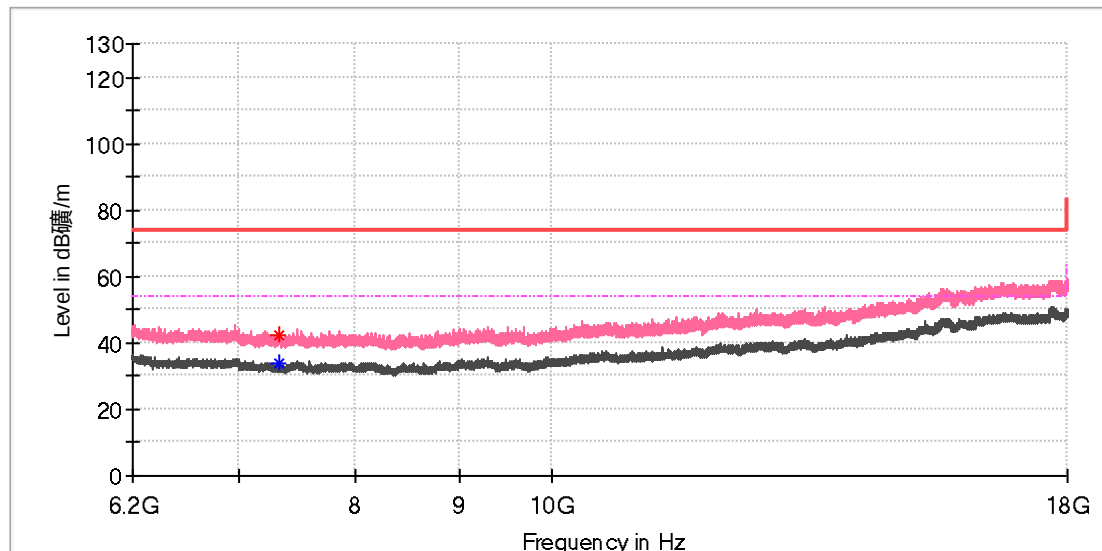
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7264.458333	42.50	---	74.00	31.50	150.0	H	176.0	8.5
7286.583333	---	33.91	54.00	20.09	150.0	H	29.0	8.4

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

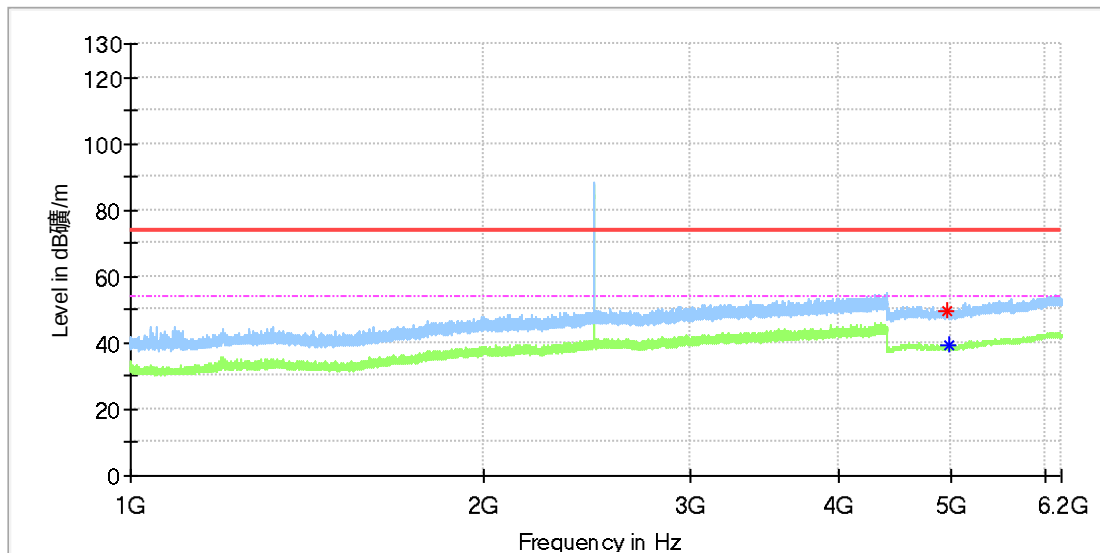
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7329.358333	42.53	---	74.00	31.47	150.0	V	240.0	8.1
7334.766667	---	34.08	54.00	19.92	150.0	V	324.0	8.1

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_High channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

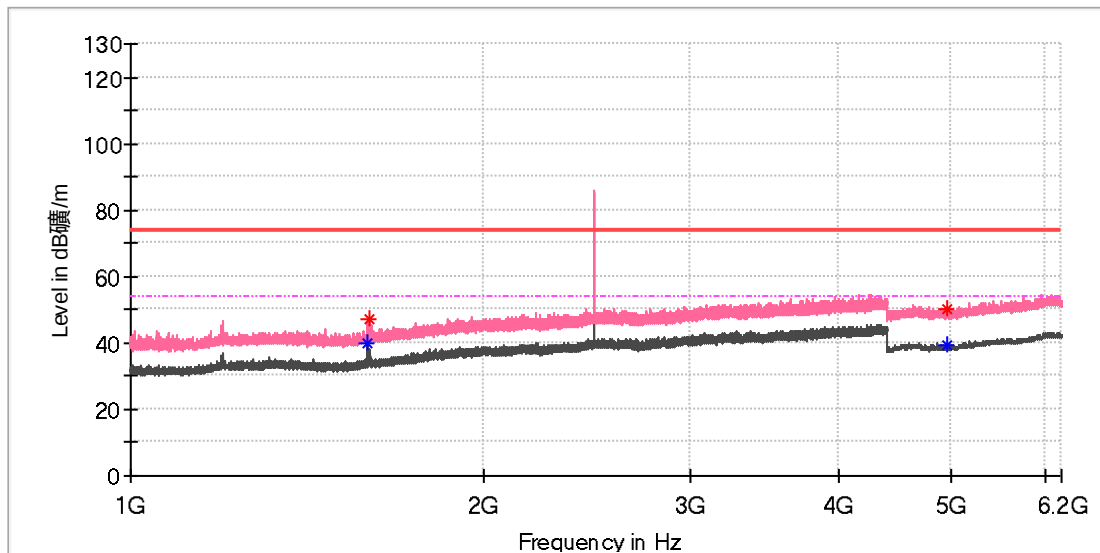
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4958.500000	49.82	---	74.00	24.18	150.0	H	178.0	11.8
4975.000000	---	39.03	54.00	14.97	150.0	H	178.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_High channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

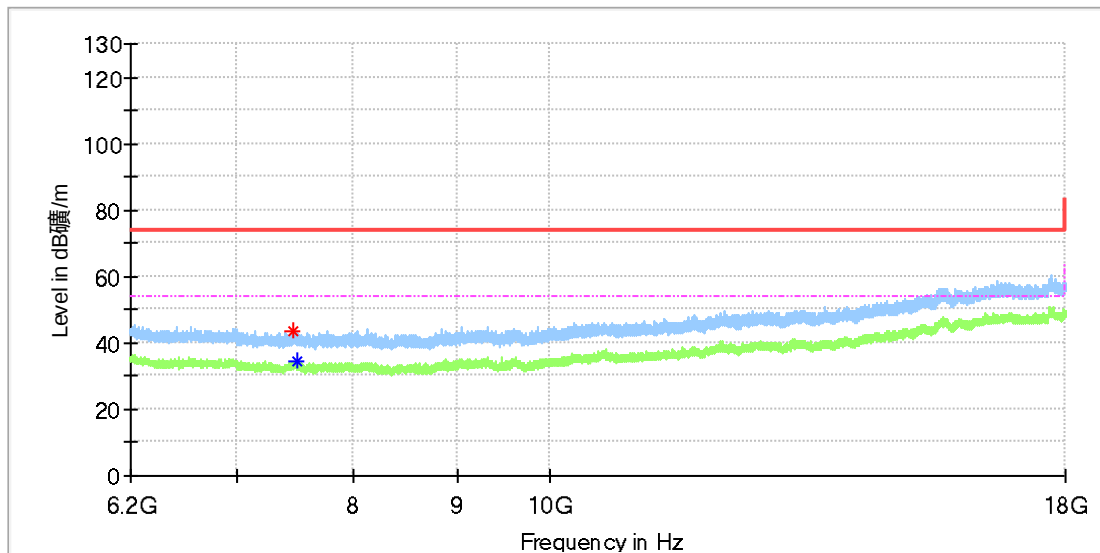
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1593.300000	---	40.10	54.00	13.90	150.0	V	265.0	2.0
1596.360000	47.01	---	74.00	26.99	150.0	V	309.0	2.1
4951.500000	---	39.30	54.00	14.70	150.0	V	117.0	11.8
4953.000000	50.47	---	74.00	23.53	150.0	V	268.0	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: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_High channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

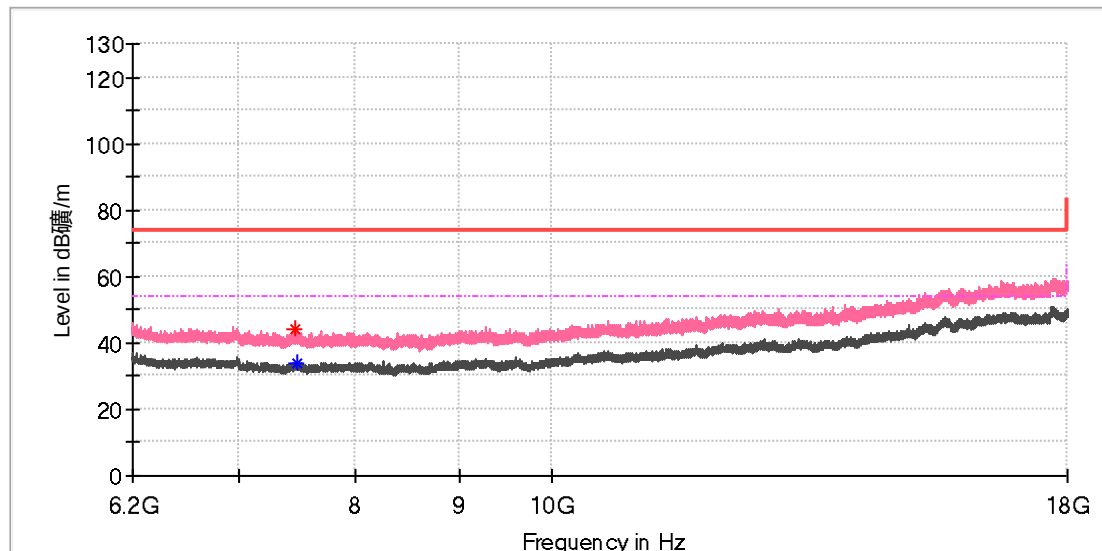
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7462.600000	43.24	---	74.00	30.76	150.0	H	60.0	8.6
7489.641667	---	34.17	54.00	19.83	150.0	H	178.0	8.7

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_High channel
Order No/Sample No: 168431635/A003497474-002
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)
7463.583333	44.05	---	74.00	29.95	150.0	V	205.0	8.6
7477.841667	---	34.15	54.00	19.85	150.0	V	267.0	8.6

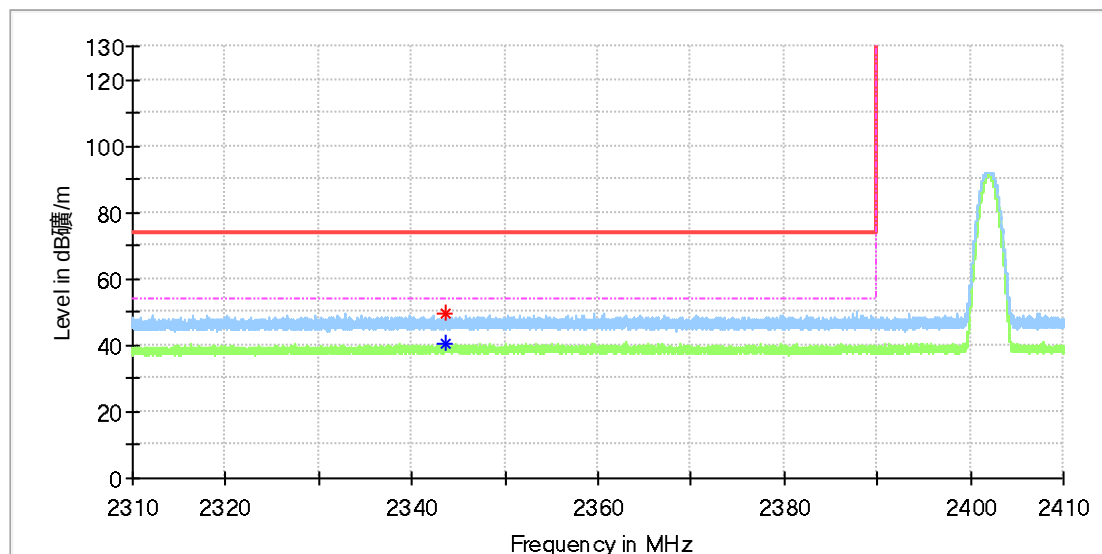
Final_Result

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

Appendix A.2: Test Results of Radiated Emissions in Restricted Bands, Bluetooth LE

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

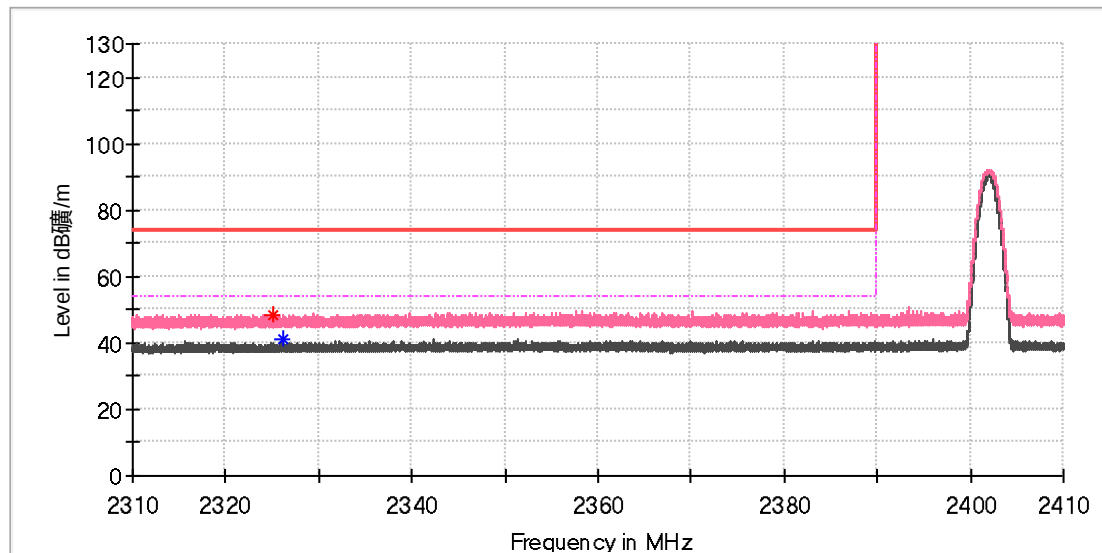
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2343.655000	---	40.30	54.00	13.70	150.0	H	267.0	6.9
2343.725000	49.69	---	74.00	24.31	150.0	H	14.0	6.9

Final Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

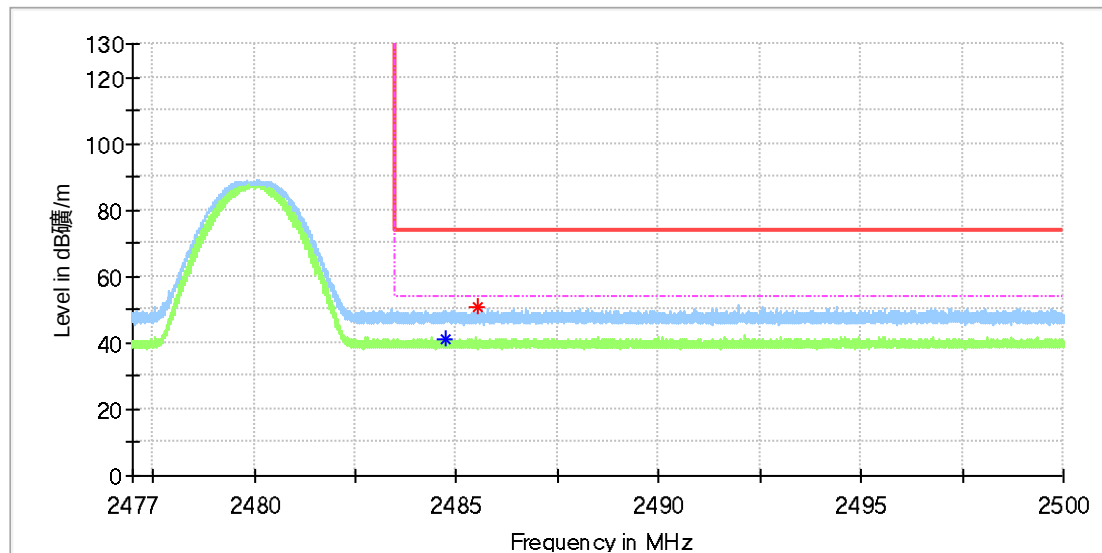
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2325.190000	48.41	---	74.00	25.59	150.0	V	167.0	6.6
2326.220000	---	41.27	54.00	12.73	150.0	V	234.0	6.7

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_High channel
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

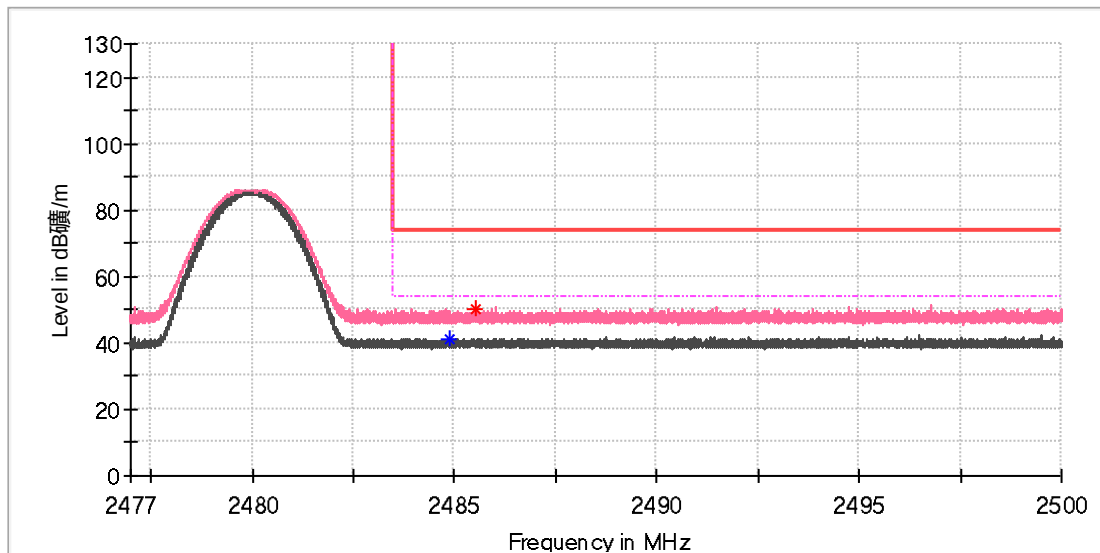
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.749850	---	41.17	54.00	12.83	150.0	H	354.0	7.4
2485.527250	50.81	---	74.00	23.19	150.0	H	346.0	7.4

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: BLE 1M_High channel
Order No/Sample No: 168431635/A003497474-002
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)
2484.878650	---	41.16	54.00	12.84	150.0	V	112.0	7.4
2485.519200	50.45	---	74.00	23.55	150.0	V	241.0	7.4

Final_Result

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

Appendix A.3: Test Results of Radiated Spurious Emissions, 2.4GHz Wi-Fi

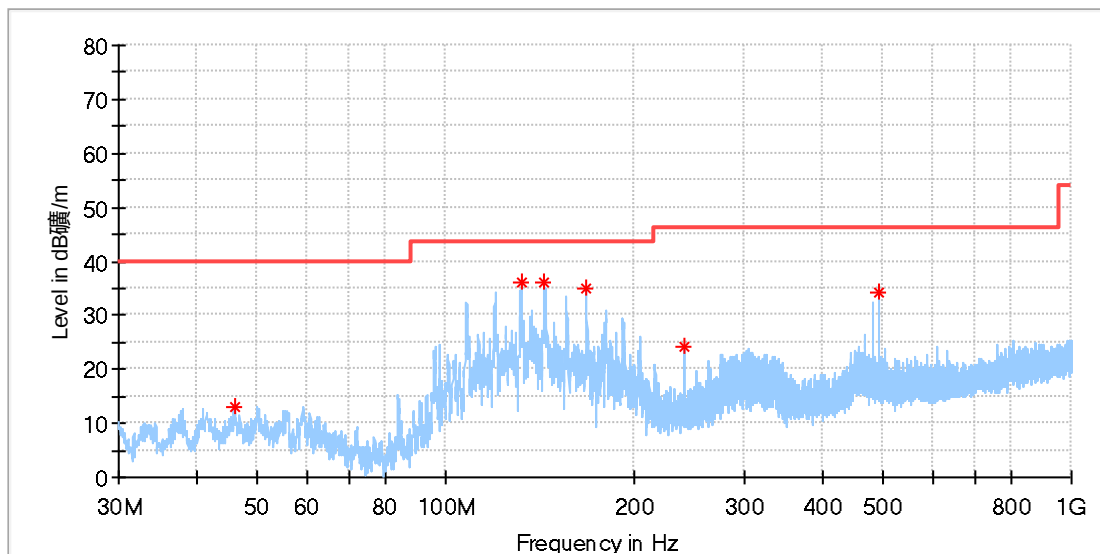
Note:

- 3) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 4) 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 - 1GHz

EUT Information

EUT Name:	2.4GHz Wi-Fi & BT IoT Module
Model:	WT1000
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168431635/A003497474-002
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

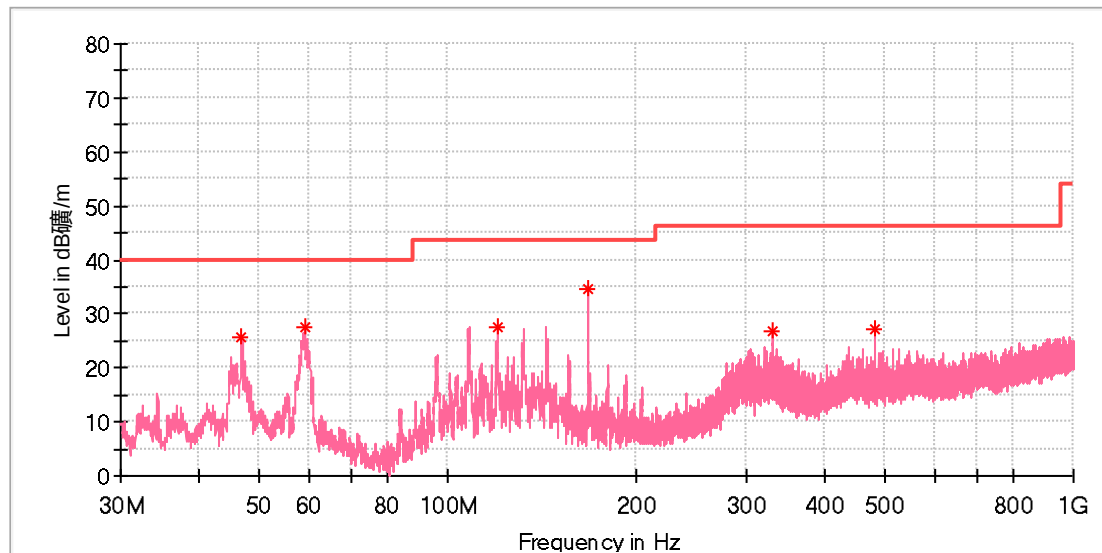
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.893077	12.89	40.00	27.11	100.0	H	2.0	-19.0
132.073846	36.19	43.50	7.31	100.0	H	183.0	-22.3
143.900385	36.09	43.50	7.41	100.0	H	353.0	-22.6
167.963846	34.90	43.50	8.60	100.0	H	353.0	-21.7
240.005000	24.34	46.00	21.66	100.0	H	183.0	-18.0
491.981154	34.40	46.00	11.60	100.0	H	232.0	-12.3

Final Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168431635/A003497474-002
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)
46.863077	25.71	40.00	14.29	100.0	V	80.0	-18.9
58.988077	27.50	40.00	12.50	100.0	V	161.0	-19.2
119.986154	27.59	43.50	15.91	100.0	V	285.0	-21.1
167.889231	34.74	43.50	8.76	100.0	V	268.0	-21.7
329.804615	26.85	46.00	19.15	100.0	V	210.0	-15.7
480.005385	26.98	46.00	19.02	100.0	V	268.0	-12.6

Final_Result

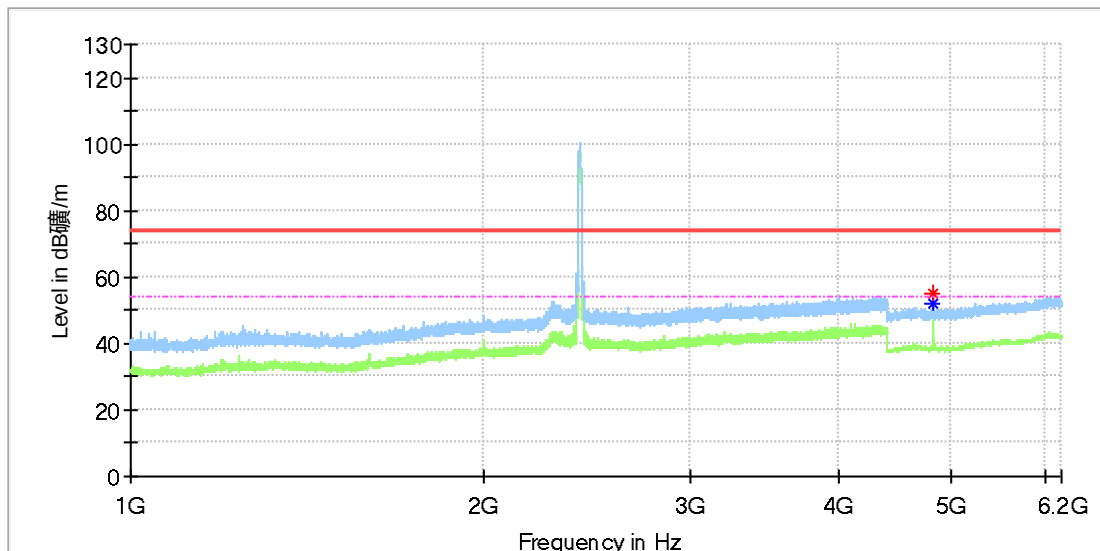
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is 2.4GHz Wi-Fi Fundamental.

EUT Information

EUT Name:	2.4GHz Wi-Fi & BT IoT Module
Model:	WT1000
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168431635/A003497474-002
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

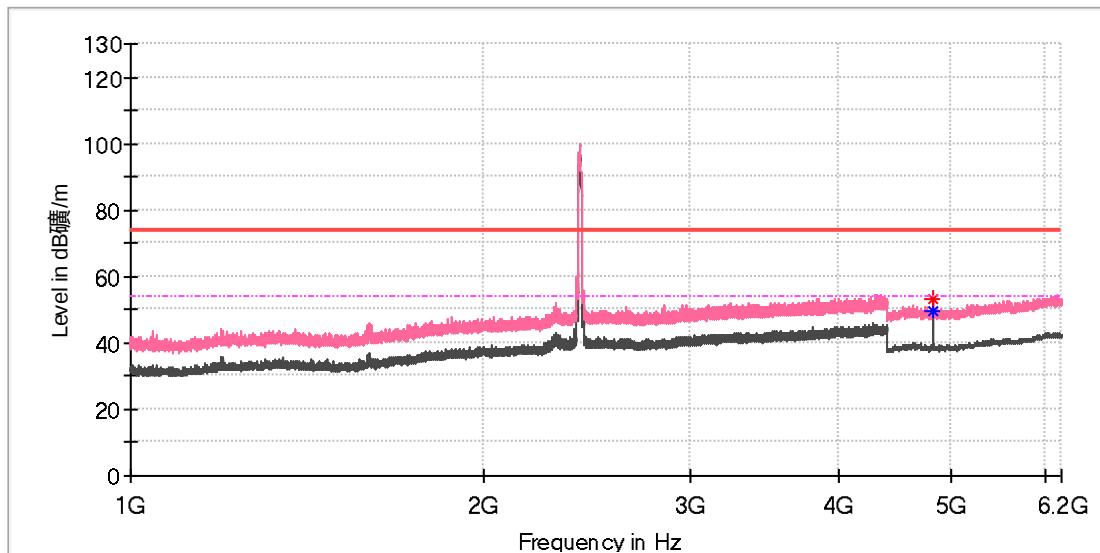
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	55.07	---	74.00	18.93	150.0	H	196.0	11.8
4824.000000	---	51.92	54.00	2.08	150.0	H	196.0	11.8

Final Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

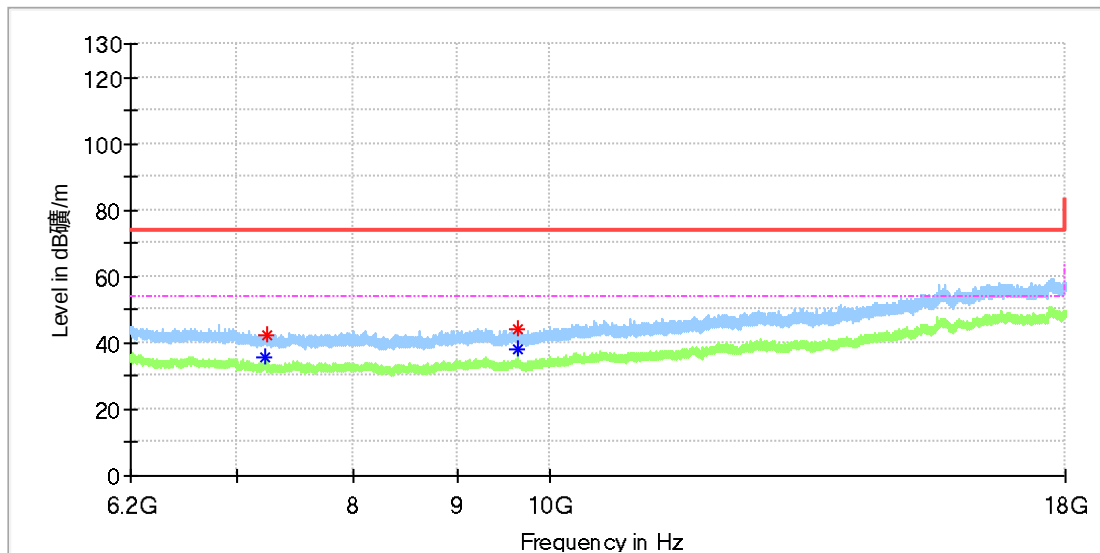
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	53.42	---	74.00	20.58	150.0	V	109.0	11.8
4824.000000	---	49.71	54.00	4.29	150.0	V	109.0	11.8

Final Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

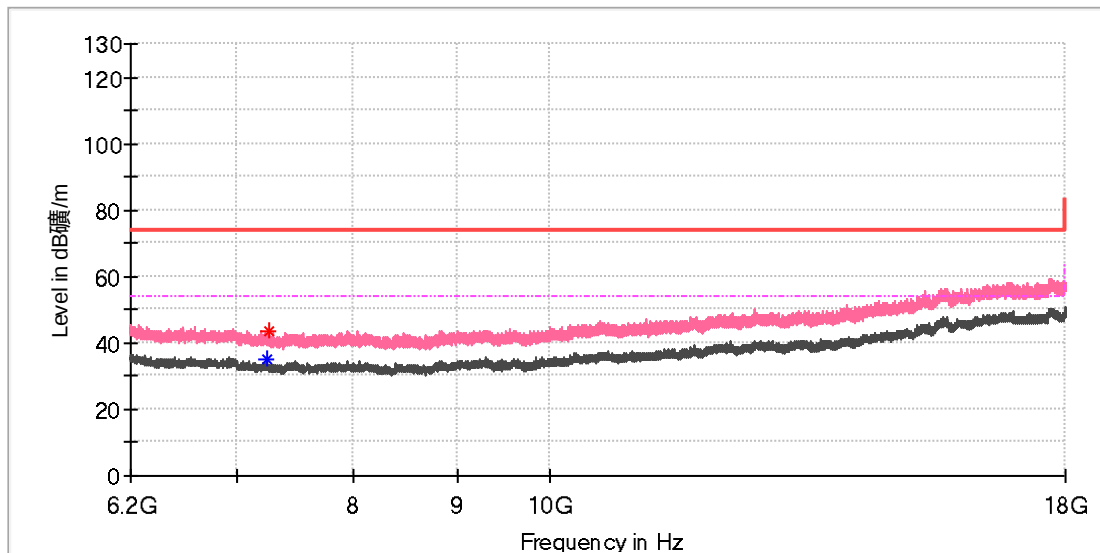
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7234.958333	---	35.45	54.00	18.55	150.0	H	0.0	8.6
7235.450000	42.56	---	74.00	31.44	150.0	H	0.0	8.6
9648.058333	---	38.23	54.00	15.77	150.0	H	106.0	10.4
9651.008333	43.88	---	74.00	30.12	150.0	H	167.0	10.4

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

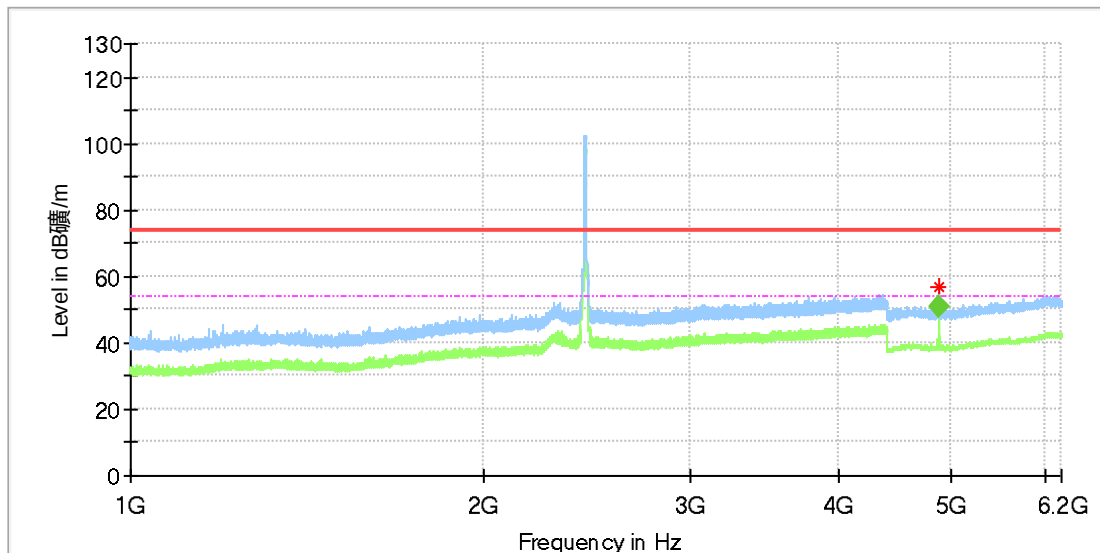
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7236.925000	---	34.79	54.00	19.21	150.0	V	341.0	8.6
7253.641667	43.25	---	74.00	30.75	150.0	V	4.0	8.5

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

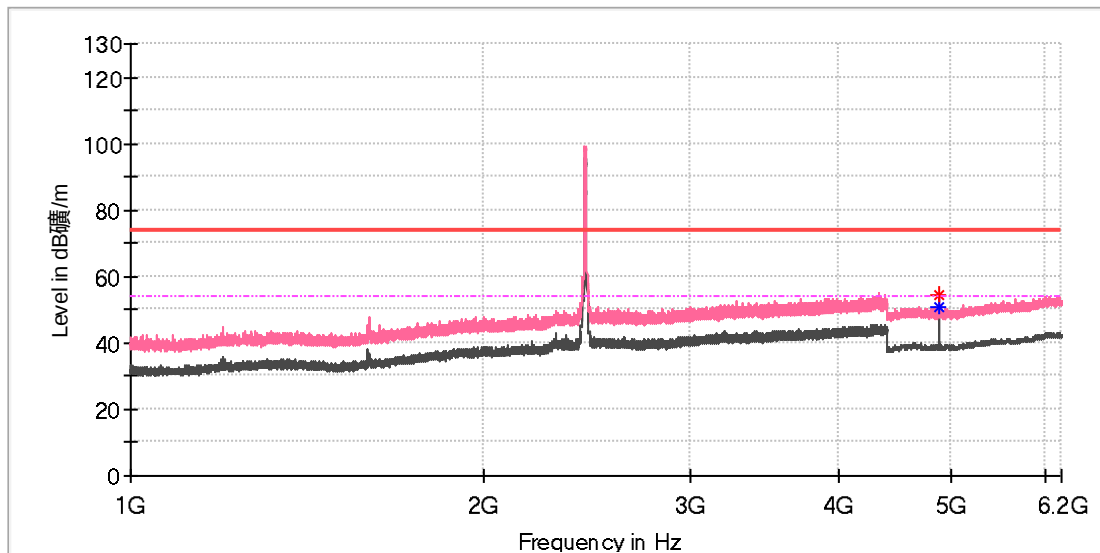
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	56.81	---	74.00	17.19	150.0	H	202.0	11.8

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.961111	50.49	54.00	3.51	145.0	H	197.0	11.8

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

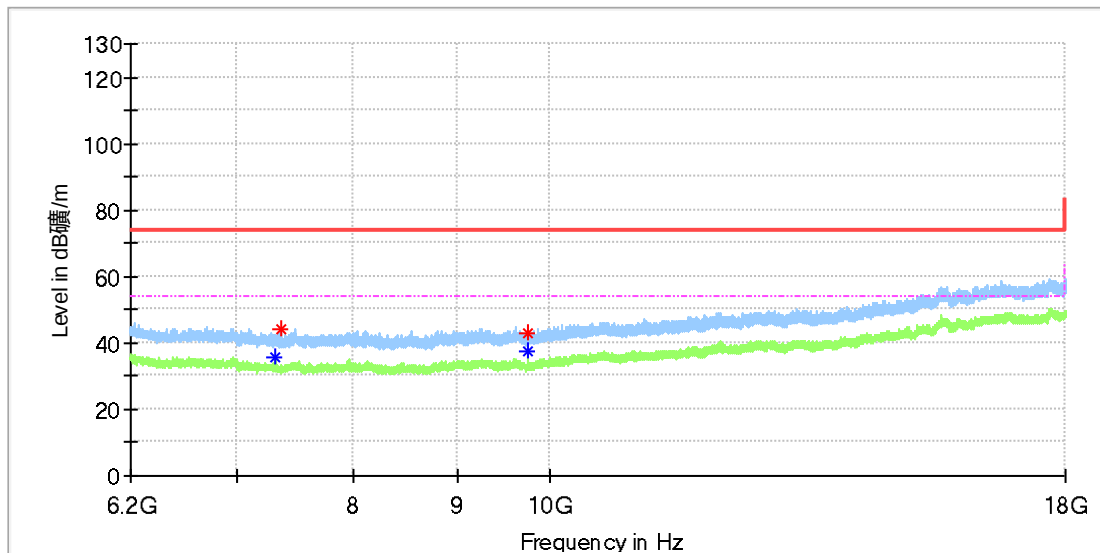
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	54.47	---	74.00	19.53	150.0	V	95.0	11.8
4874.000000	---	50.78	54.00	3.22	150.0	V	95.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

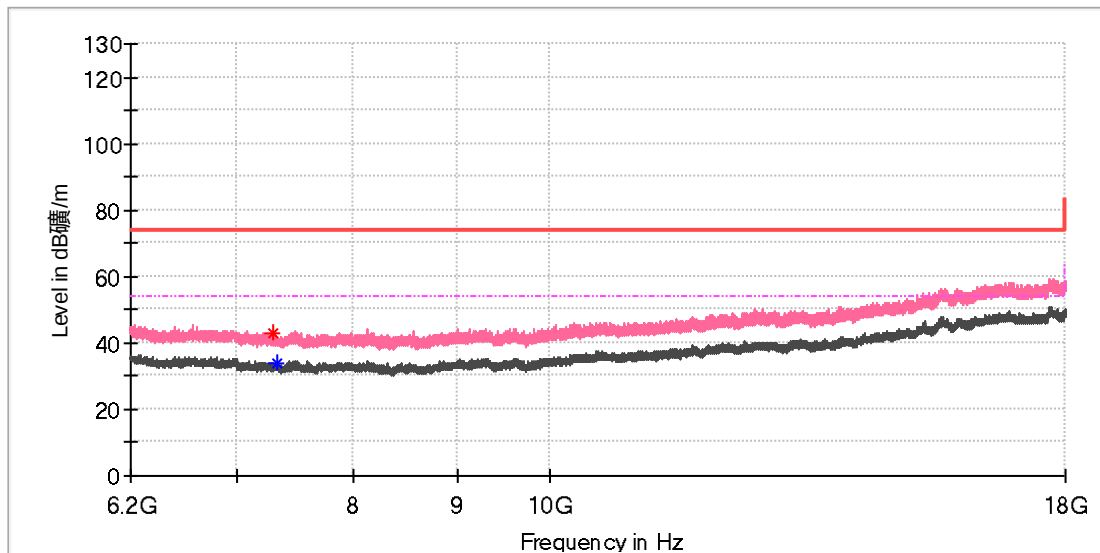
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7306.741667	---	35.60	54.00	18.40	150.0	H	0.0	8.3
7363.283333	43.85	---	74.00	30.15	150.0	H	18.0	8.2
9747.866667	42.77	---	74.00	31.23	150.0	H	203.0	10.4
9747.866667	---	37.78	54.00	16.22	150.0	H	203.0	10.4

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

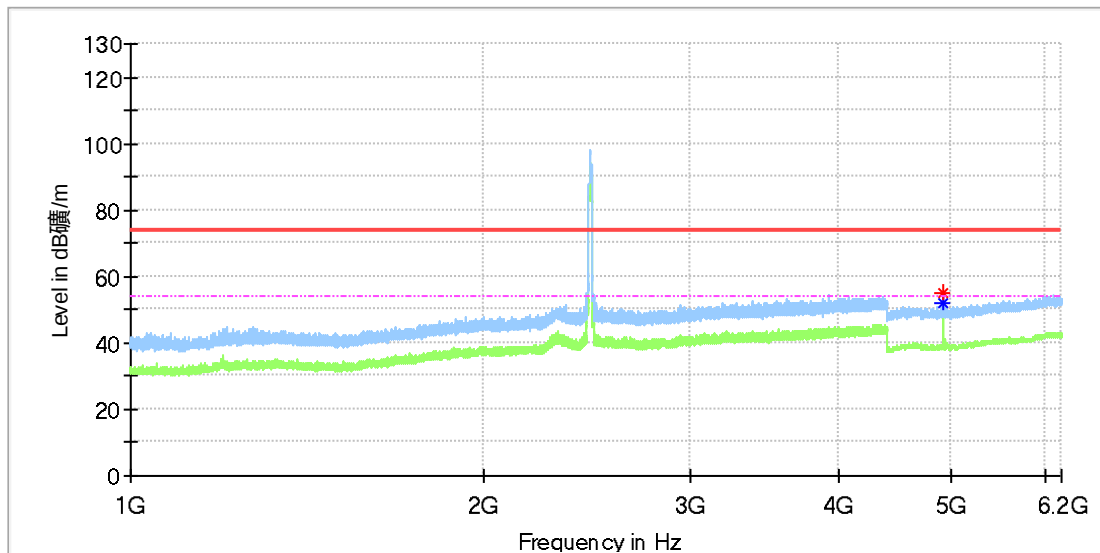
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7301.333333	42.84	---	74.00	31.16	150.0	V	253.0	8.3
7324.933333	---	33.56	54.00	20.44	150.0	V	13.0	8.2

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

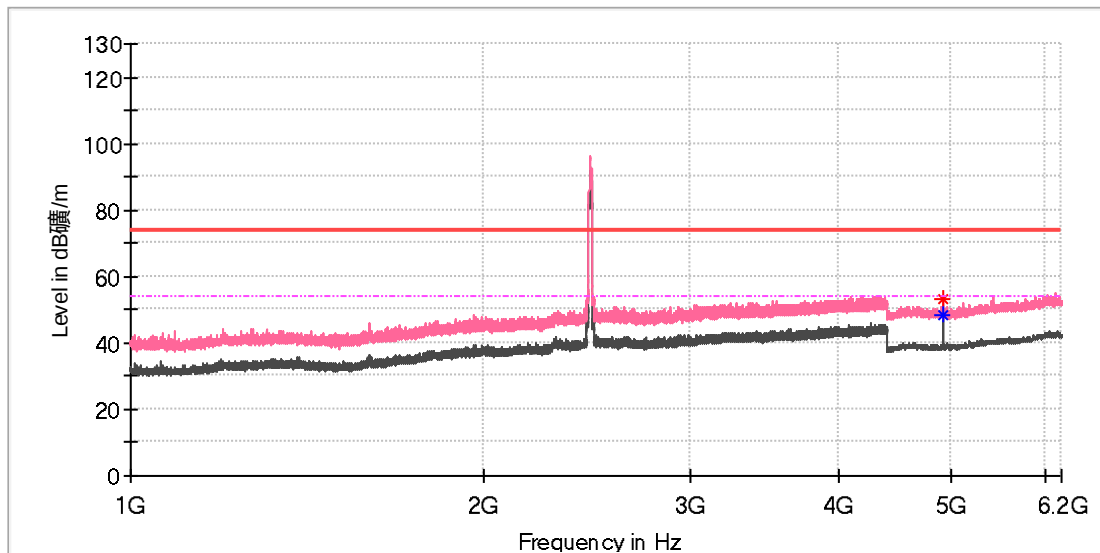
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	55.26	---	74.00	18.74	150.0	H	188.0	11.8
4924.000000	---	51.94	54.00	2.06	150.0	H	194.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

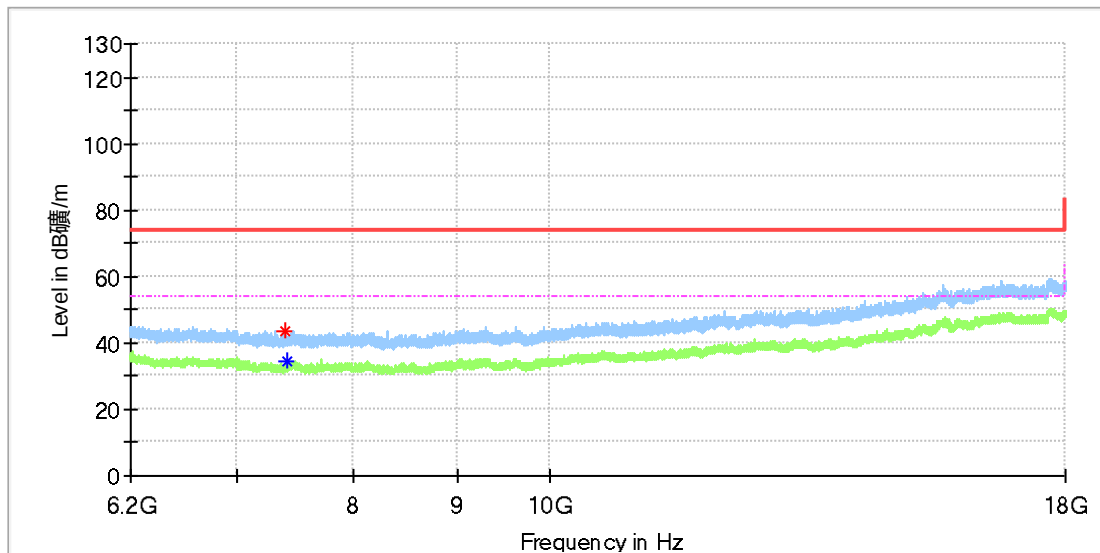
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	53.02	---	74.00	20.98	150.0	V	102.0	11.8
4924.000000	---	48.23	54.00	5.77	150.0	V	108.0	11.8

Final Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

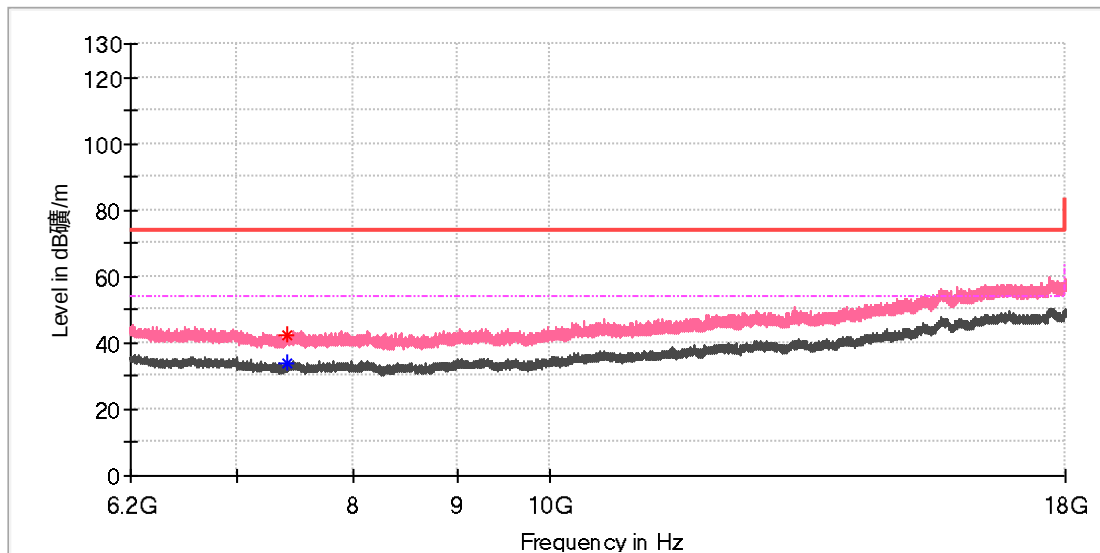
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7387.375000	43.32	---	74.00	30.68	150.0	H	182.0	8.2
7407.041667	---	34.56	54.00	19.44	150.0	H	33.0	8.3

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

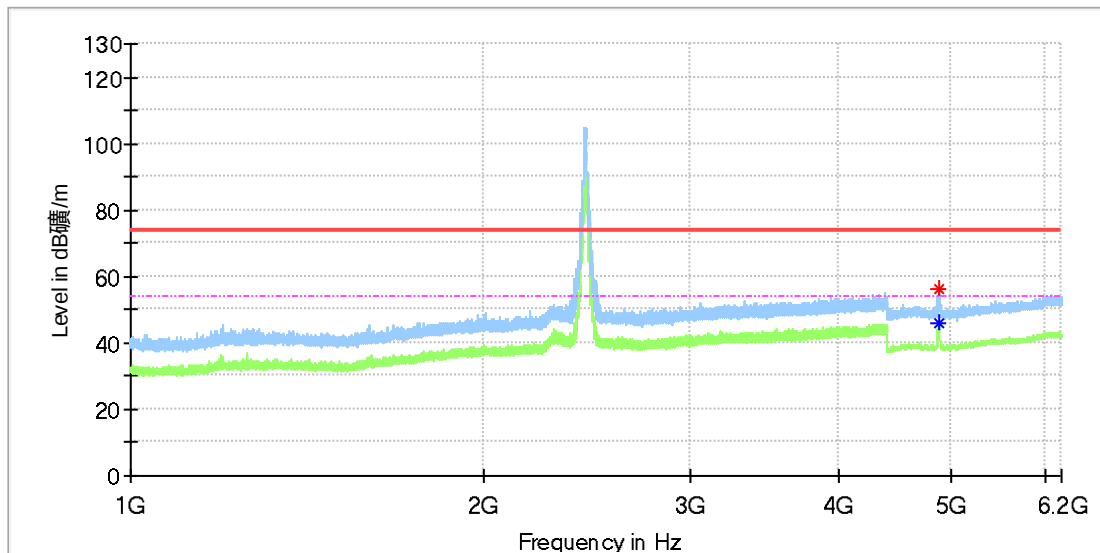
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7419.333333	42.15	---	74.00	31.85	150.0	V	18.0	8.4
7419.333333	---	33.76	54.00	20.24	150.0	V	18.0	8.4

Final Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

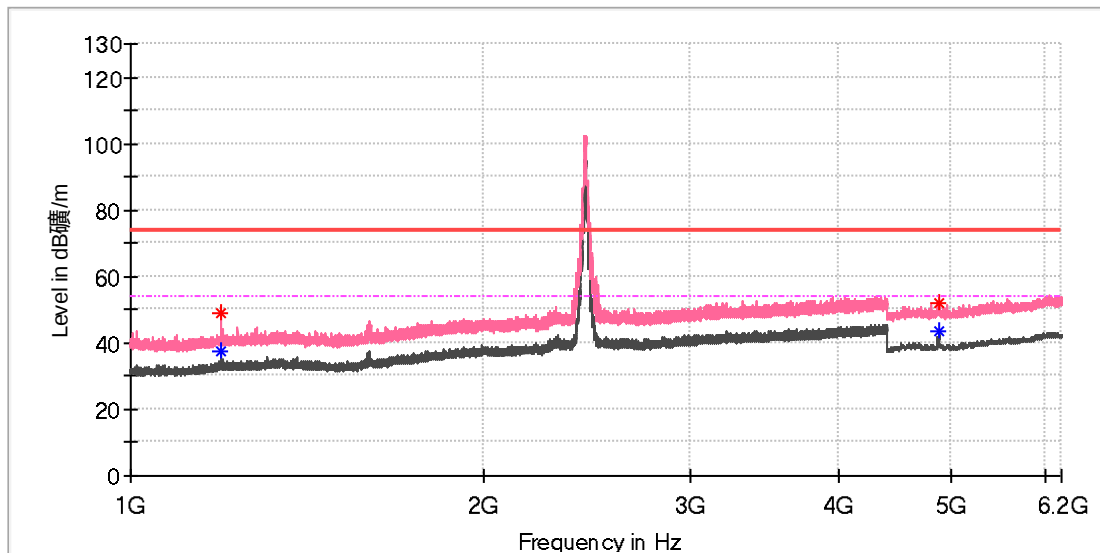
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	---	46.17	54.00	7.83	150.0	H	189.0	11.8
4875.500000	56.51	---	74.00	17.49	150.0	H	202.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

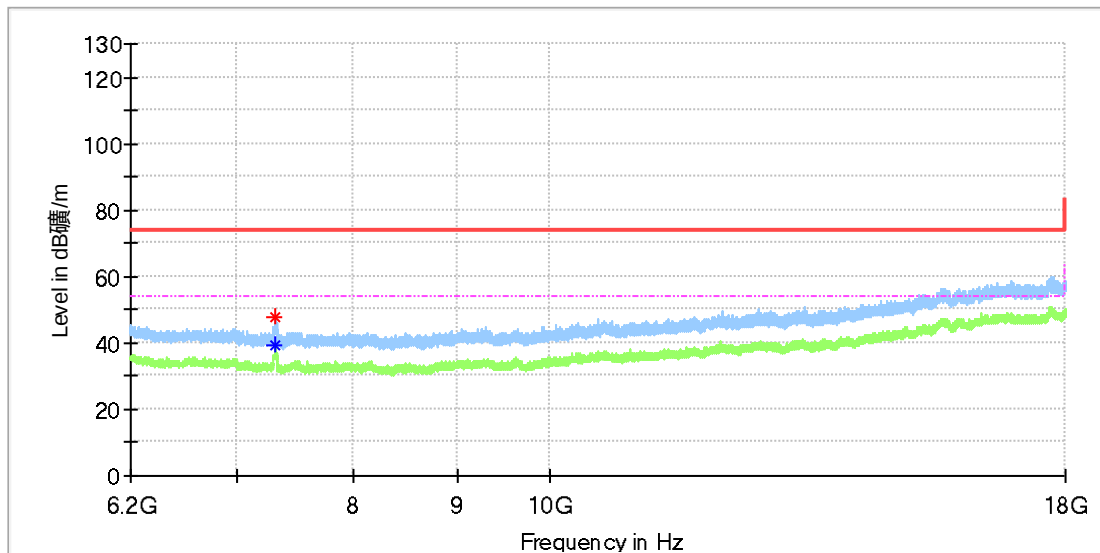
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1194.820000	48.83	---	74.00	25.17	150.0	V	346.0	1.1
1194.820000	---	37.33	54.00	16.67	150.0	V	346.0	1.1
4869.500000	52.19	---	74.00	21.81	150.0	V	95.0	11.8
4875.500000	---	43.29	54.00	10.71	150.0	V	101.0	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: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

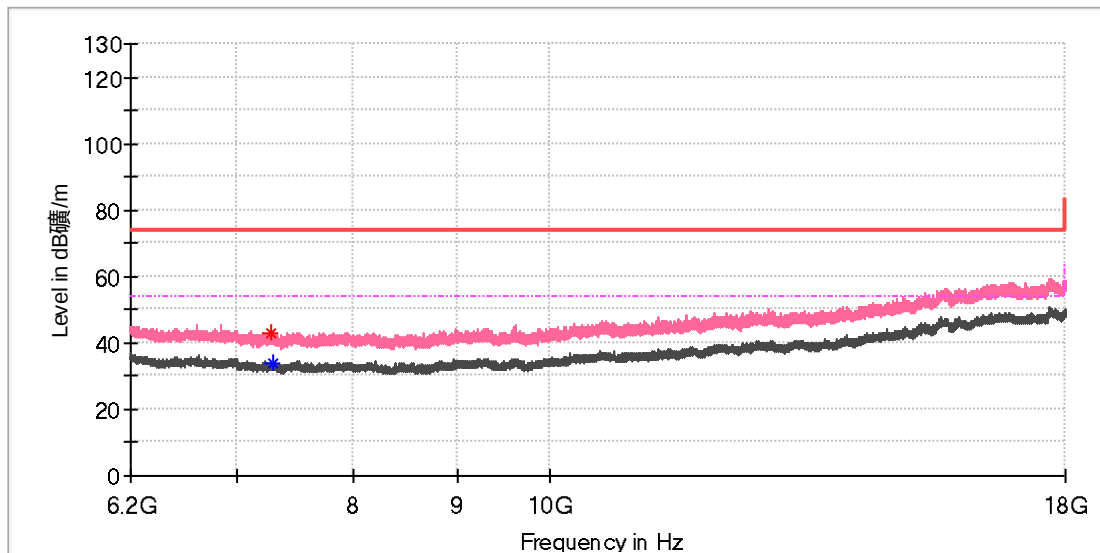
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.200000	47.98	---	74.00	26.02	150.0	H	0.0	8.2
7311.166667	---	39.10	54.00	14.90	150.0	H	3.0	8.2

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

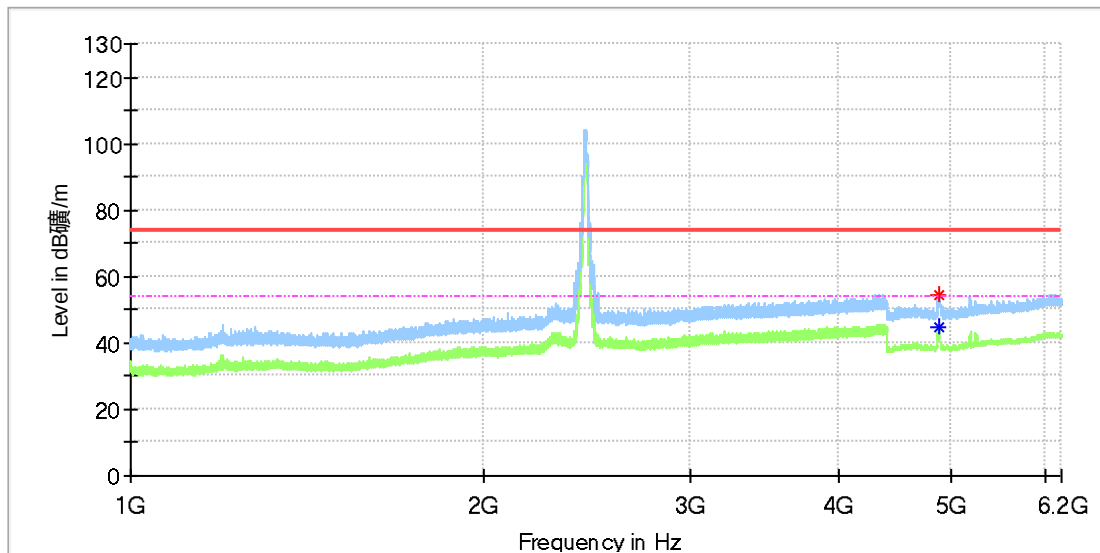
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7272.325000	43.11	---	74.00	30.89	150.0	V	73.0	8.4
7296.416667	---	33.87	54.00	20.13	150.0	V	98.0	8.3

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

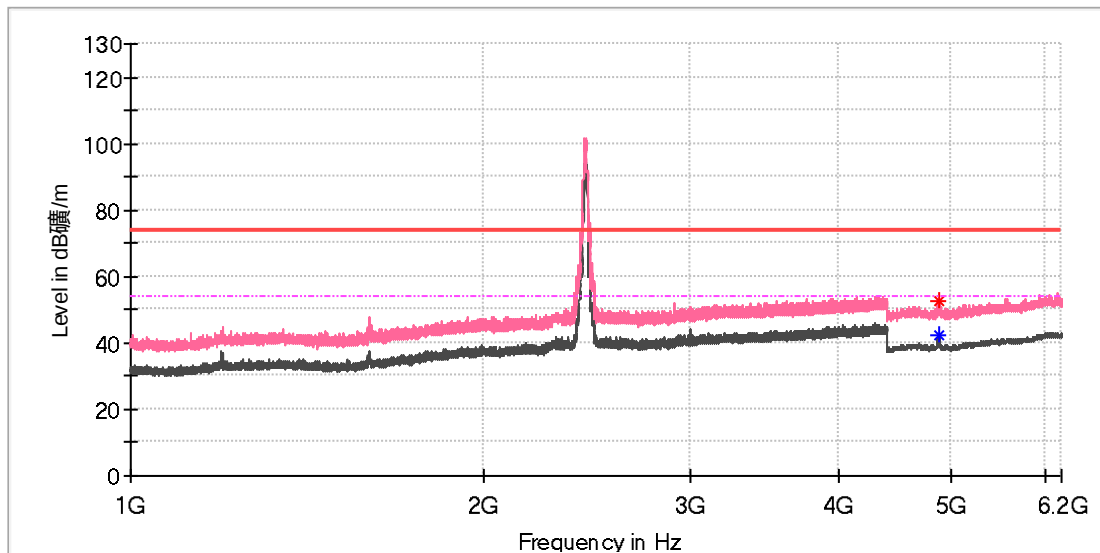
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.500000	---	44.88	54.00	9.12	150.0	H	208.0	11.8
4877.000000	54.58	---	74.00	19.42	150.0	H	196.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

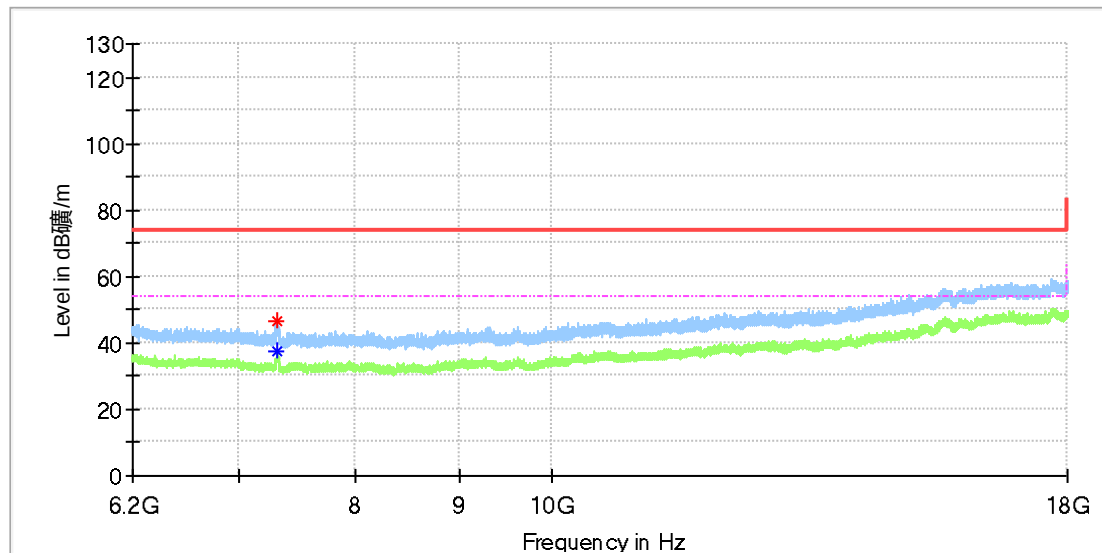
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.500000	52.49	---	74.00	21.51	150.0	V	97.0	11.8
4872.000000	---	42.06	54.00	11.94	150.0	V	97.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

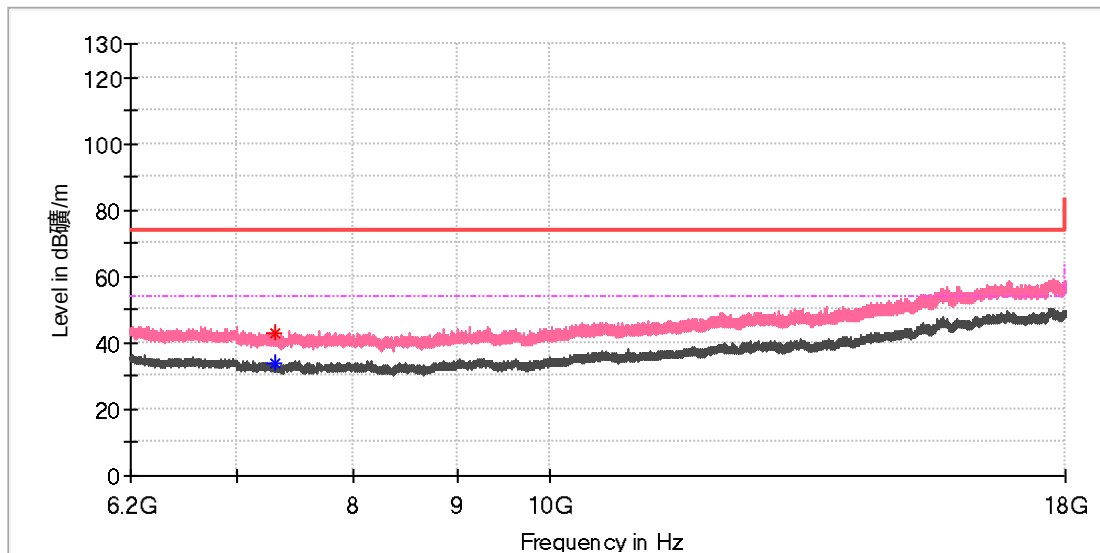
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7303.791667	46.37	---	74.00	27.63	150.0	H	0.0	8.3
7307.725000	---	37.51	54.00	16.49	150.0	H	0.0	8.3

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

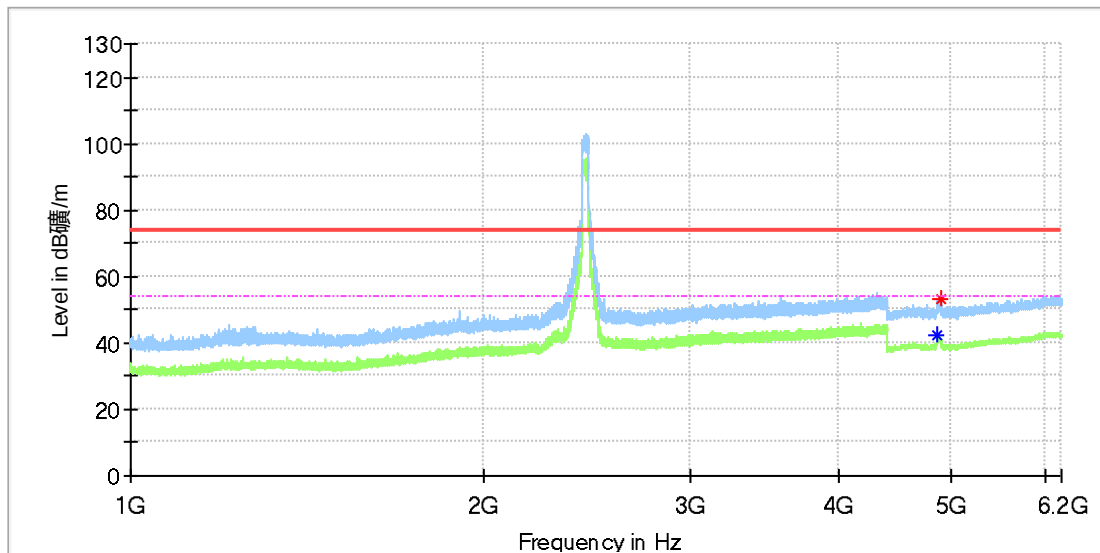
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7302.808333	42.68	---	74.00	31.32	150.0	V	28.0	8.3
7304.283333	---	33.66	54.00	20.34	150.0	V	189.0	8.3

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n40_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

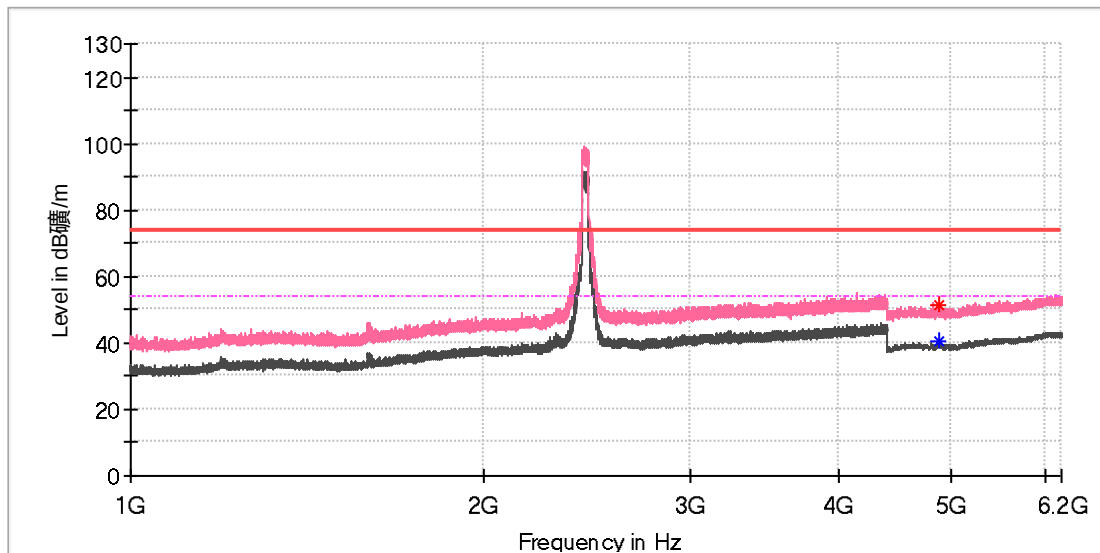
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4861.500000	---	42.41	54.00	11.59	150.0	H	203.0	11.8
4892.500000	52.98	---	74.00	21.02	150.0	H	196.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n40_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

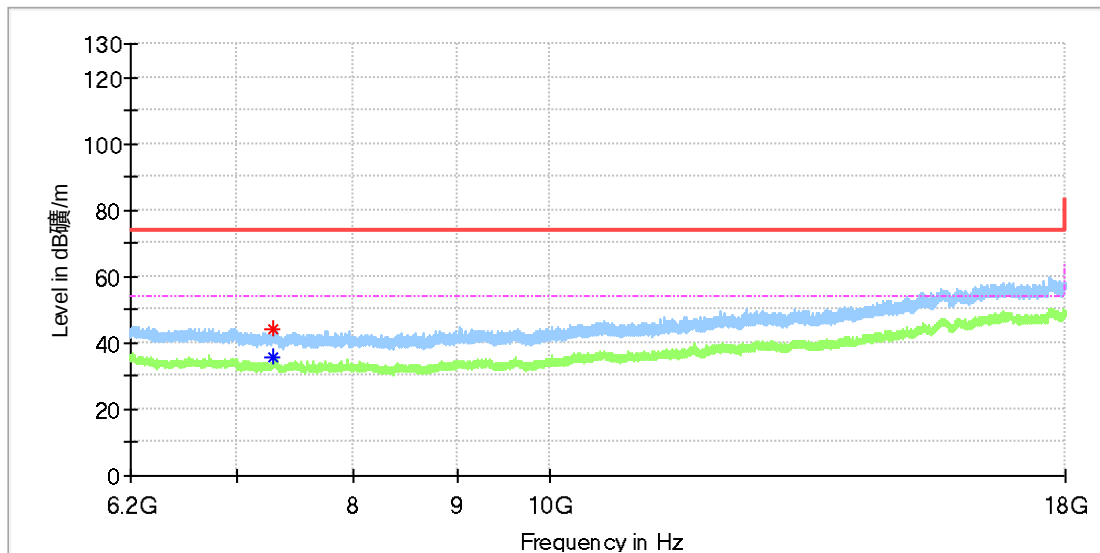
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	51.45	---	74.00	22.55	150.0	V	60.0	11.8
4874.000000	---	40.47	54.00	13.53	150.0	V	60.0	11.8

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n40_Ch6
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

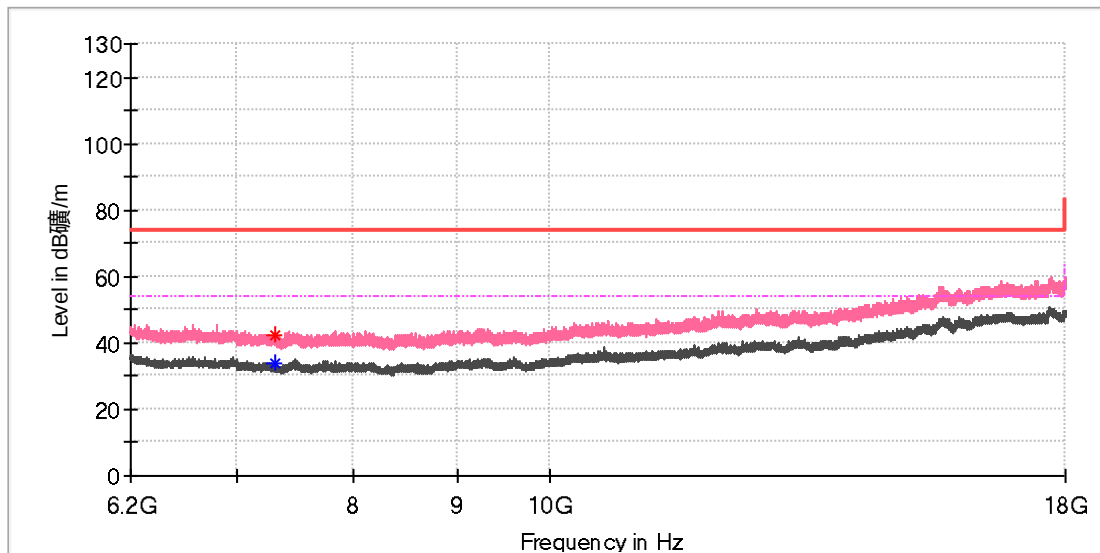
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7296.908333	44.02	---	74.00	29.98	150.0	H	0.0	8.3
7296.908333	---	35.43	54.00	18.57	150.0	H	0.0	8.3

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n40_Ch6
Order No/Sample No: 168431635/A003497474-002
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)
7304.283333	42.47	---	74.00	31.53	150.0	V	191.0	8.3
7304.775000	---	34.06	54.00	19.94	150.0	V	45.0	8.3

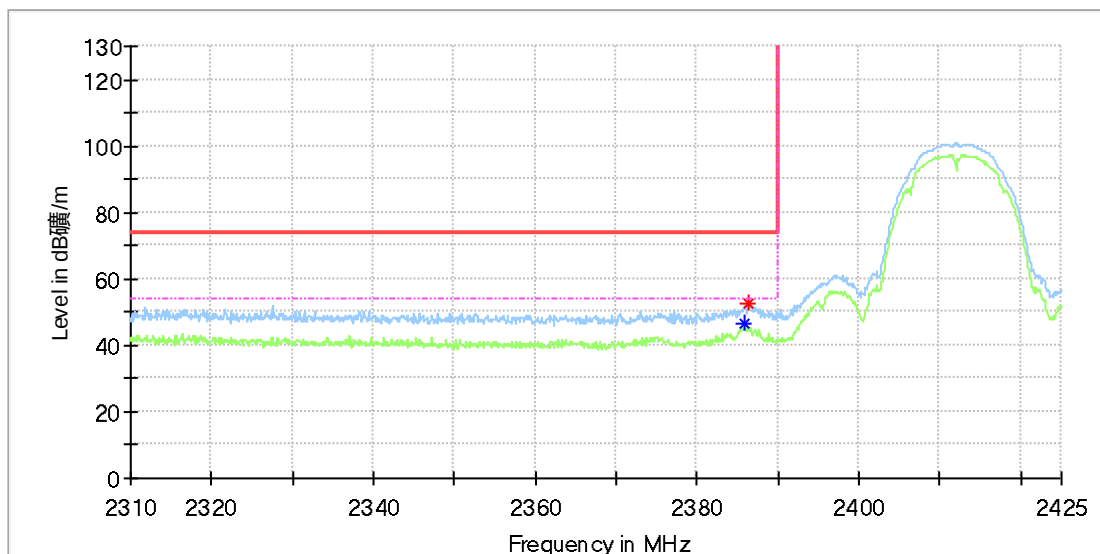
Final_Result

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

Appendix A.4: Test Results of Radiated Emissions in Restricted Bands, 2.4GHz Wi-Fi

EUT Information

EUT Name:	2.4GHz Wi-Fi & BT IoT Module
Model:	WT1000
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168431635/A003497474-002
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

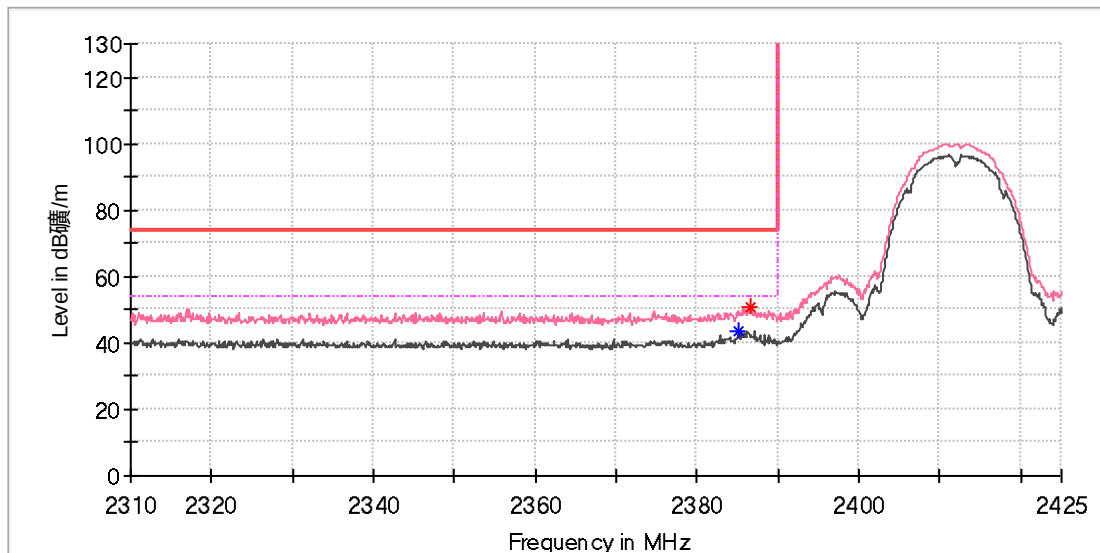
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.900000	---	46.64	54.00	7.36	150.0	H	280.0	7.0
2386.400000	52.68	---	74.00	21.32	150.0	H	271.0	7.0

Final Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

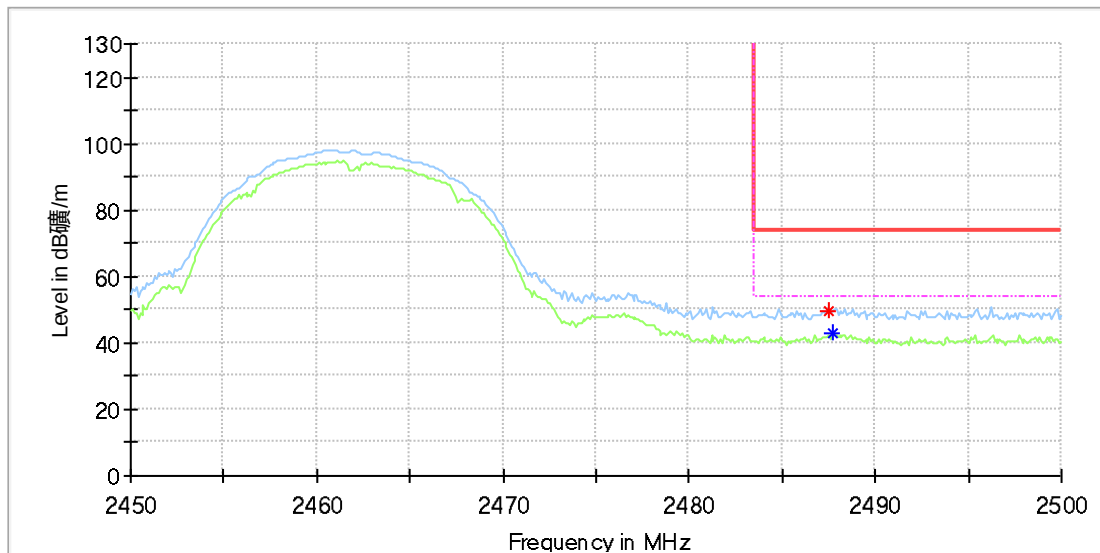
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.200000	---	43.76	54.00	10.24	150.0	V	0.0	7.0
2386.600000	50.79	---	74.00	23.21	150.0	V	302.0	7.0

Final_Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

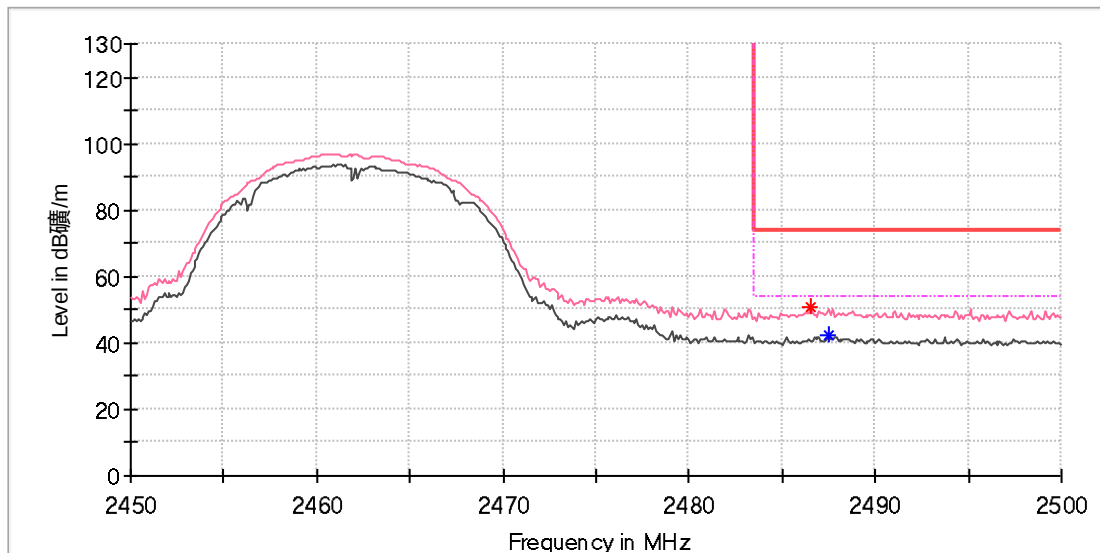
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.500000	49.88	---	74.00	24.12	150.0	H	292.0	7.4
2487.700000	---	42.81	54.00	11.19	150.0	H	274.0	7.4

Final Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

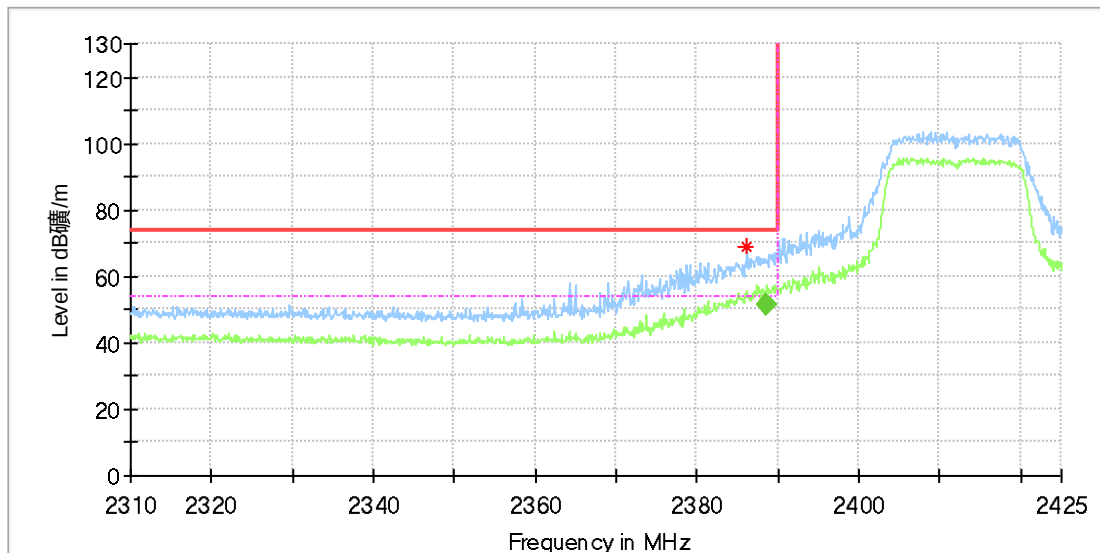
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.500000	51.05	---	74.00	22.95	150.0	V	60.0	7.4
2487.500000	---	42.18	54.00	11.82	150.0	V	42.0	7.4

Final Result

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

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11g_Ch1
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

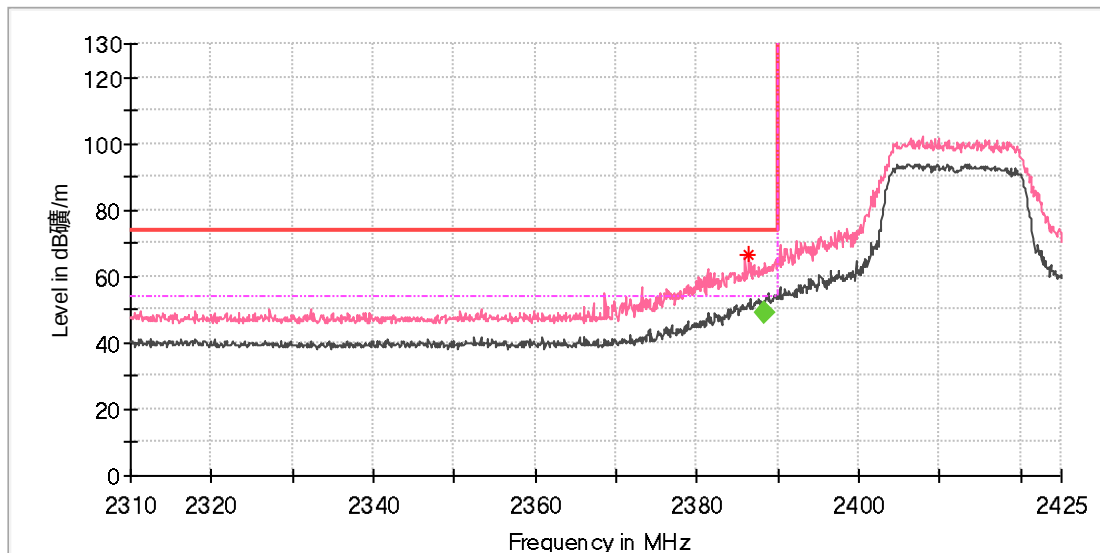
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.200000	69.03	---	74.00	4.97	150.0	H	263.0	7.0

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.479450	51.43	54.00	2.57	150.0	H	262.0	7.0

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11g_Ch1
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

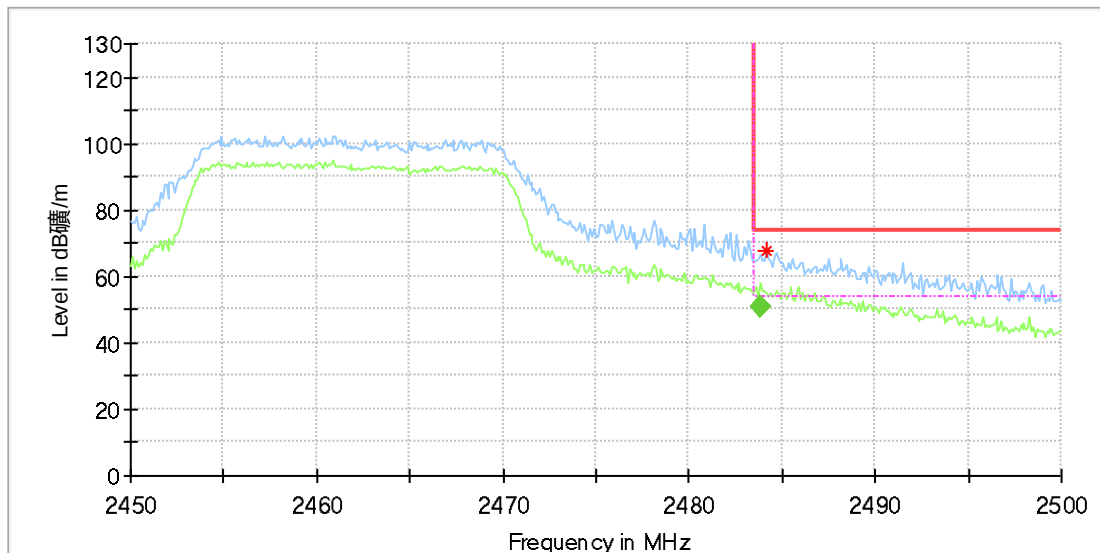
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.400000	66.21	---	74.00	7.79	150.0	V	0.0	7.0

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.430550	49.02	54.00	4.98	150.0	V	38.0	7.0

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

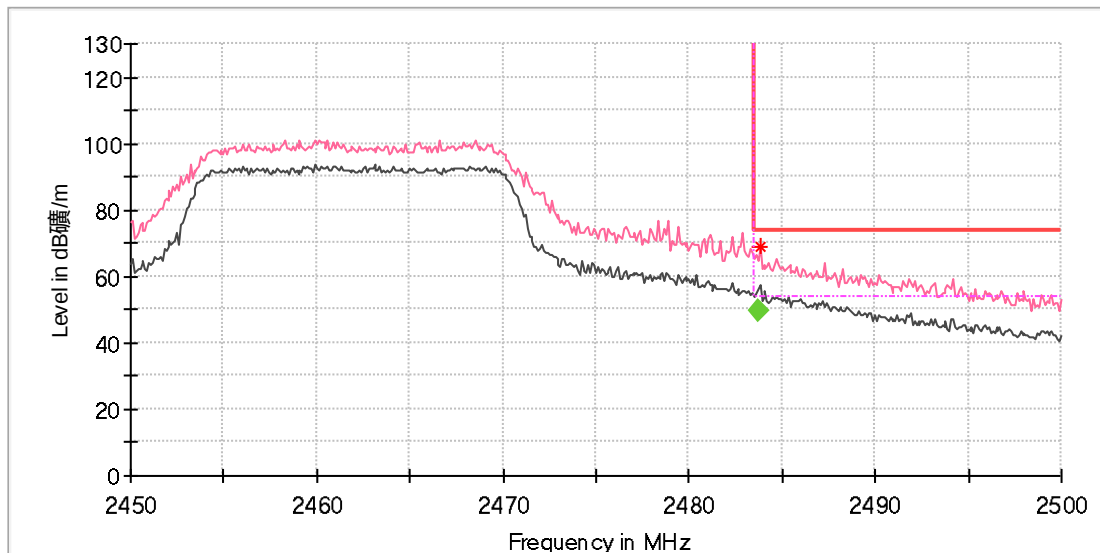
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.200000	67.52	---	74.00	6.48	150.0	H	203.0	7.4

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.821300	50.96	54.00	3.04	148.0	H	275.0	7.4

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

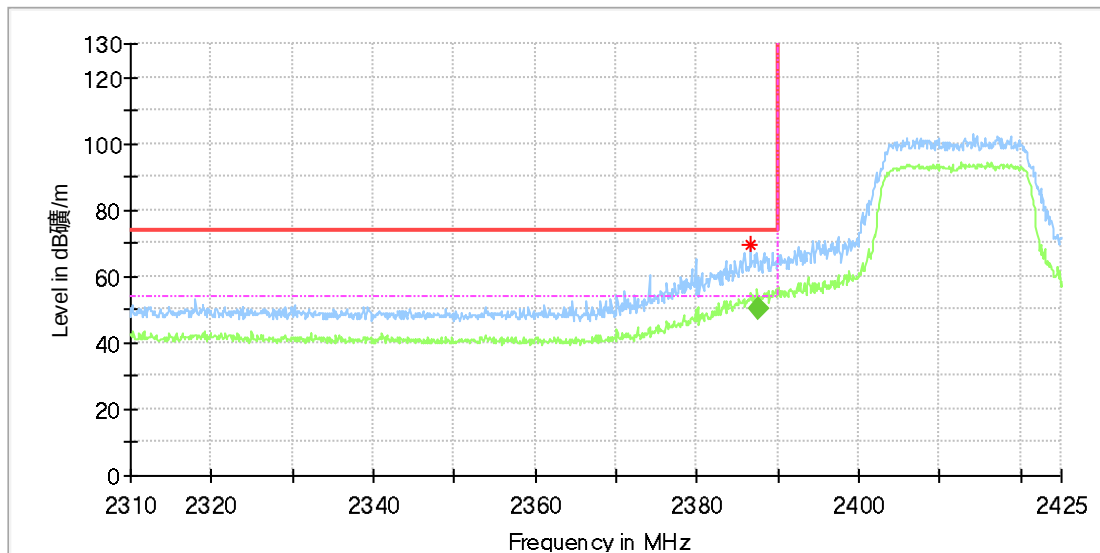
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.800000	68.67	---	74.00	5.33	150.0	V	45.0	7.4

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.723750	49.40	54.00	4.60	148.0	V	-3.0	7.4

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n20_Ch1
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

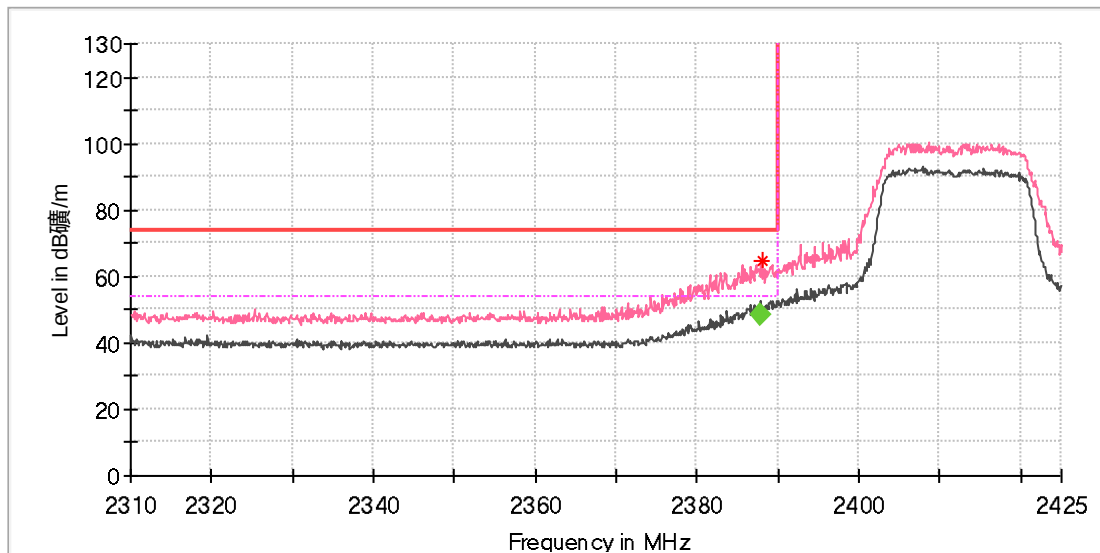
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.600000	69.43	---	74.00	4.57	150.0	H	247.0	7.0

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.505200	50.15	54.00	3.85	149.0	H	260.0	7.0

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n20_Ch1
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

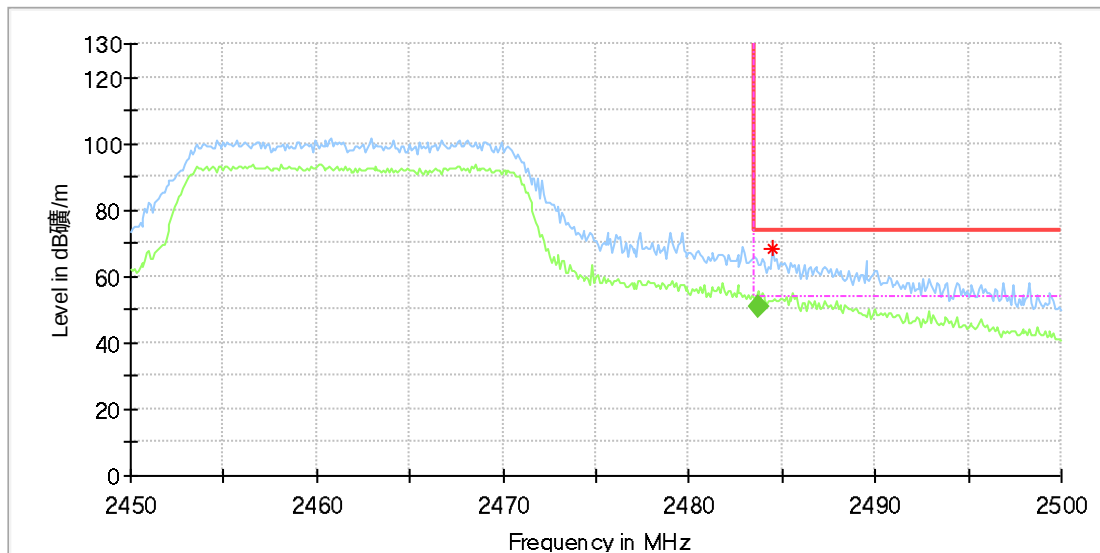
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.000000	64.54	---	74.00	9.46	150.0	V	54.0	7.0

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.934750	48.13	54.00	5.87	149.0	V	194.0	7.0

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n20_Ch11
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

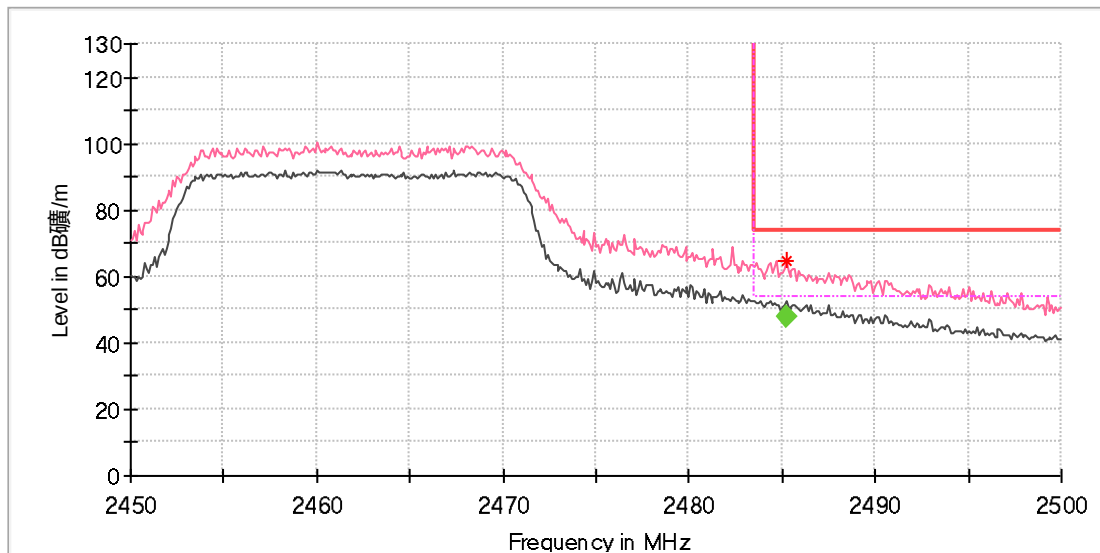
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.500000	68.15	---	74.00	5.85	150.0	H	77.0	7.4

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.743600	50.66	54.00	3.34	147.0	H	241.0	7.4

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n20_Ch11
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

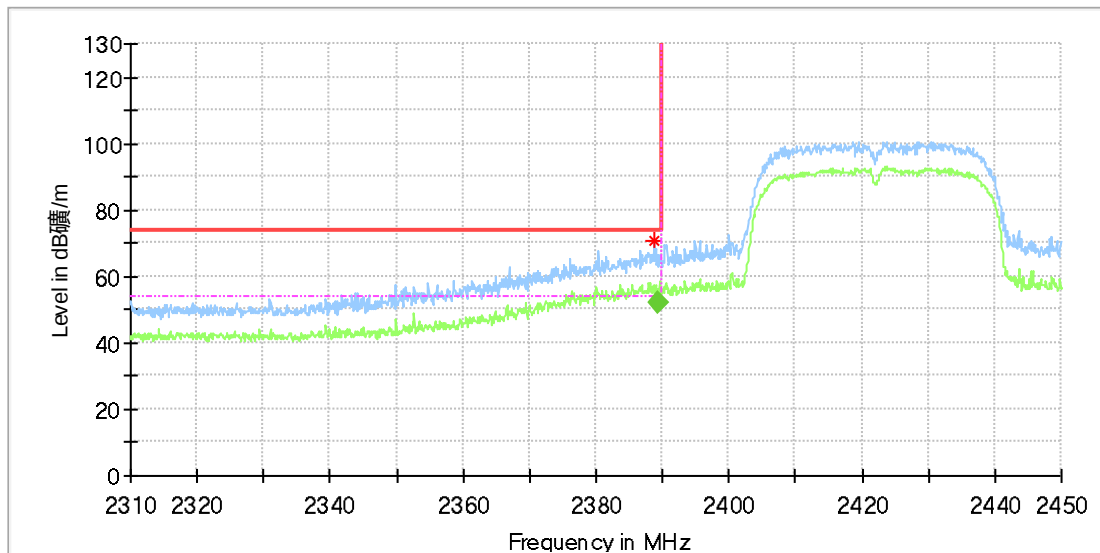
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.200000	64.78	---	74.00	9.22	150.0	V	71.0	7.4

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.209500	47.89	54.00	6.11	147.0	V	66.0	7.4

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n40_Ch3
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

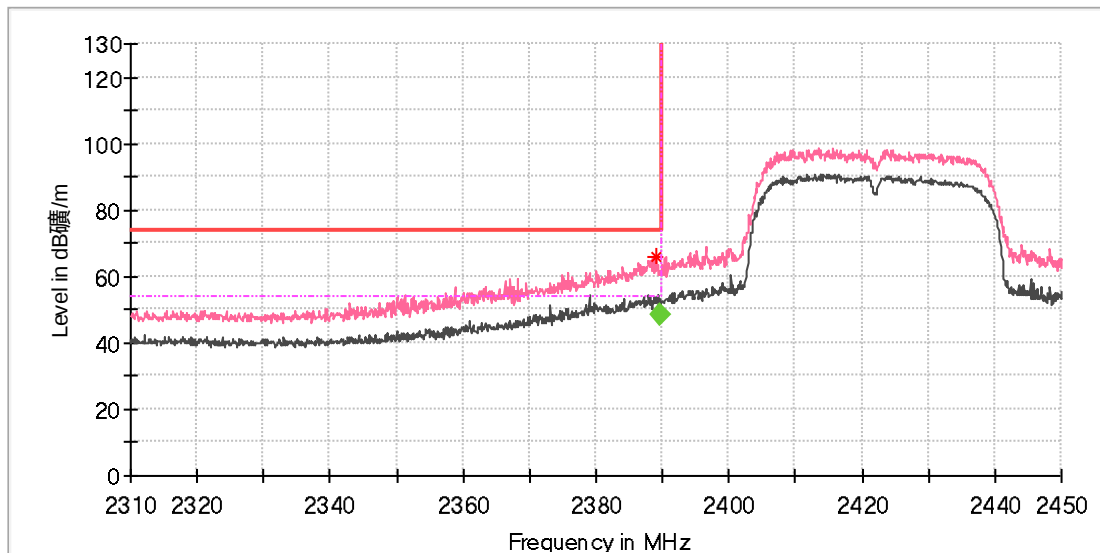
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.700000	70.51	---	74.00	3.49	150.0	H	261.0	7.0

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.466050	51.93	54.00	2.07	148.0	H	273.0	7.0

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n40_Ch3
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

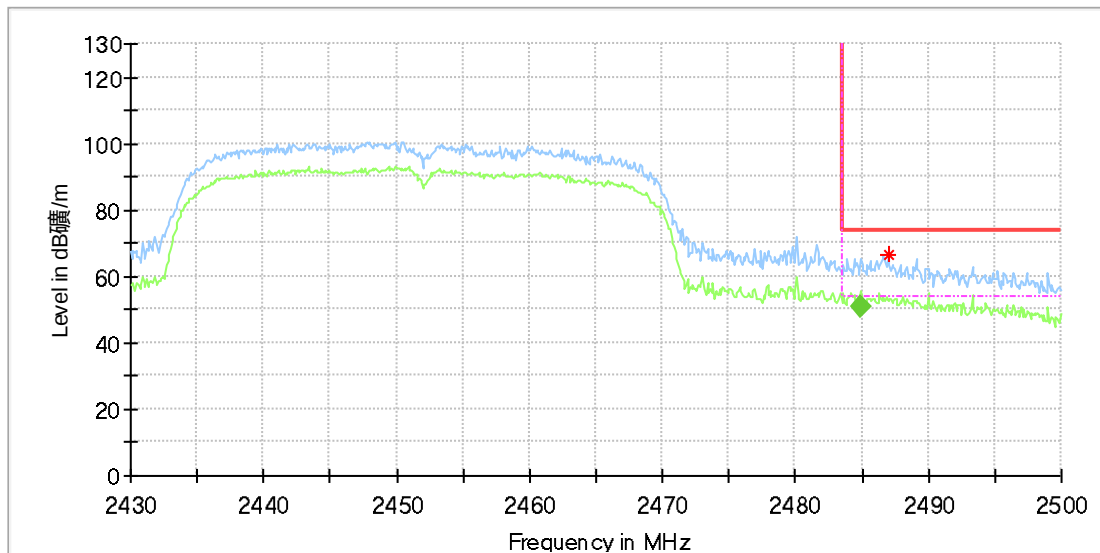
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.100000	65.67	---	74.00	8.33	150.0	V	38.0	7.0

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.608200	48.51	54.00	5.49	155.0	V	27.0	7.0

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n40_Ch9
Order No/Sample No: 168431635/A003497474-002
Test Voltage: Battery
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

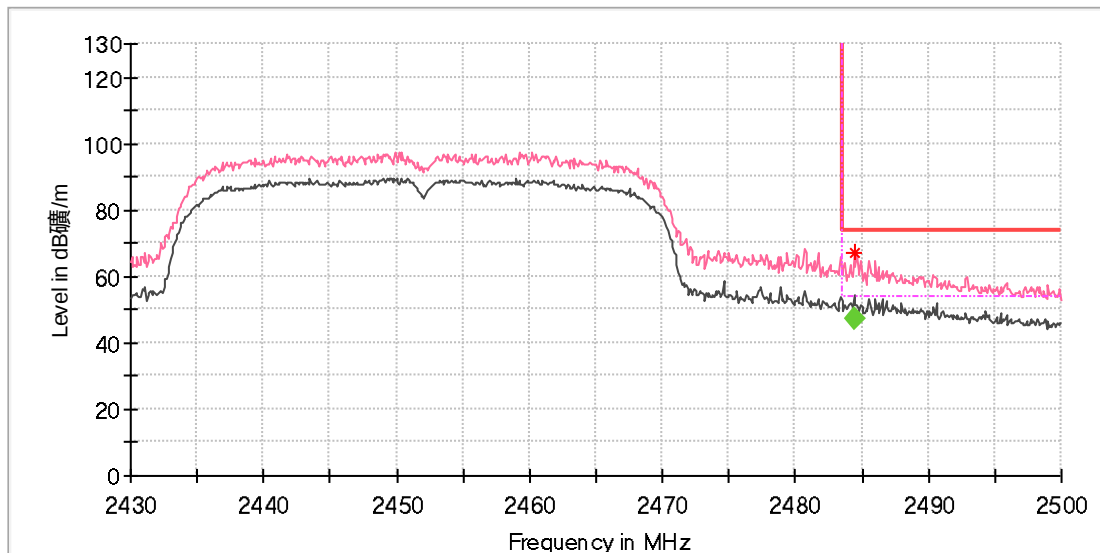
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.000000	66.70	---	74.00	7.30	150.0	H	267.0	7.4

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.903900	50.57	54.00	3.43	145.0	H	244.0	7.4

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI 2.4G_11n40_Ch9
Order No/Sample No: 168431635/A003497474-002
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)
2484.400000	67.00	---	74.00	7.00	150.0	V	66.0	7.4

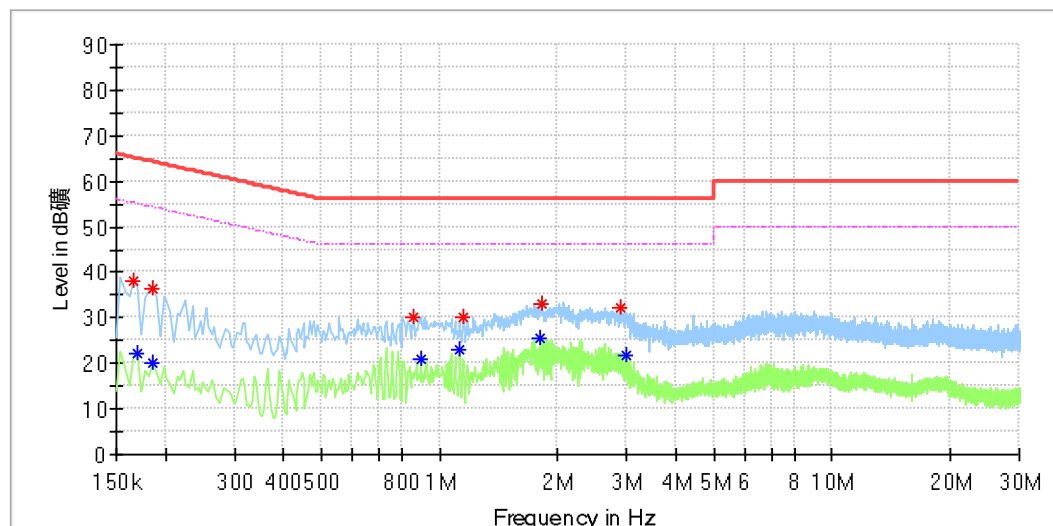
Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.406800	47.18	54.00	6.82	145.0	V	65.0	7.4

Appendix A.5: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: 2.4GHz Wi-Fi & BT IoT Module
Model: WT1000
Test Mode: WIFI+BT
Order No/Sample No: 168431635/A003497474-002
Test Voltage: 120Vac, 60Hz
Remark: 23.6°C/51.5%/101kPa
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

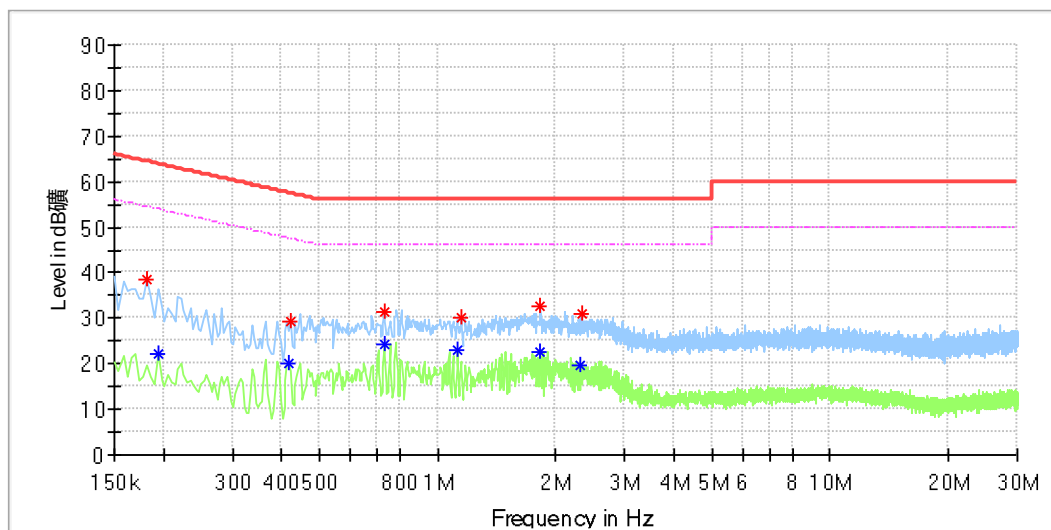


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.166000	37.95	---	65.16	27.21	L1	9.9
0.170000	---	22.30	54.96	32.66	L1	9.9
0.186000	---	19.89	54.21	34.32	L1	9.9
0.186000	36.27	---	64.21	27.95	L1	9.9
0.862000	30.33	---	56.00	25.67	L1	10.0
0.898000	---	20.87	46.00	25.13	L1	10.0
1.122000	---	22.93	46.00	23.07	L1	10.0
1.154000	30.11	---	56.00	25.89	L1	10.1
1.802000	---	25.45	46.00	20.55	L1	10.1
1.826000	32.88	---	56.00	23.12	L1	10.1
2.878000	32.36	---	56.00	23.64	L1	10.2
2.974000	---	21.74	46.00	24.26	L1	10.2

EUT Information

EUT Name:	2.4GHz Wi-Fi & BT IoT Module
Model:	WT1000
Test Mode:	WIFI+BT
Order No/Sample No:	168431635/A003497474-002
Test Voltage:	120Vac, 60Hz
Remark:	23.6°C/51.5%/101kPa
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.182000	38.33	---	64.39	26.07	N	9.8
0.194000	---	22.31	53.86	31.55	N	9.8
0.418000	---	20.18	47.49	27.30	N	9.8
0.422000	29.42	---	57.41	27.99	N	9.8
0.730000	31.27	---	56.00	24.73	N	9.8
0.730000	---	24.46	46.00	21.54	N	9.8
1.122000	---	22.98	46.00	23.02	N	9.8
1.150000	29.97	---	56.00	26.03	N	9.8
1.830000	---	22.77	46.00	23.23	N	9.8
1.830000	32.79	---	56.00	23.21	N	9.8
2.298000	---	19.56	46.00	26.44	N	9.9
2.322000	30.96	---	56.00	25.04	N	9.9