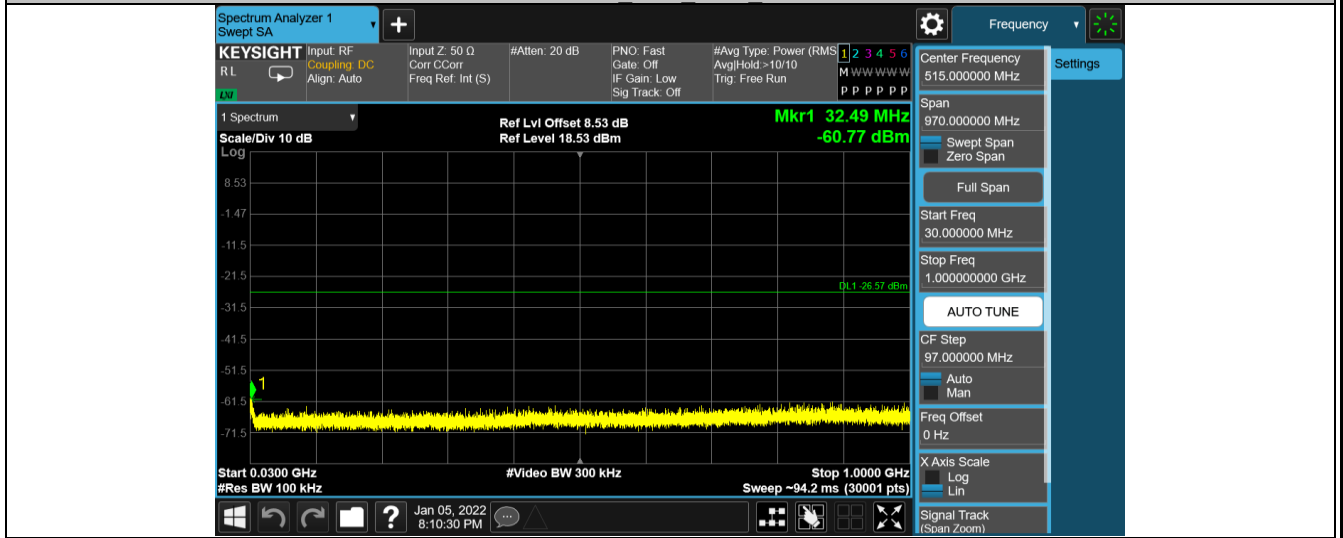
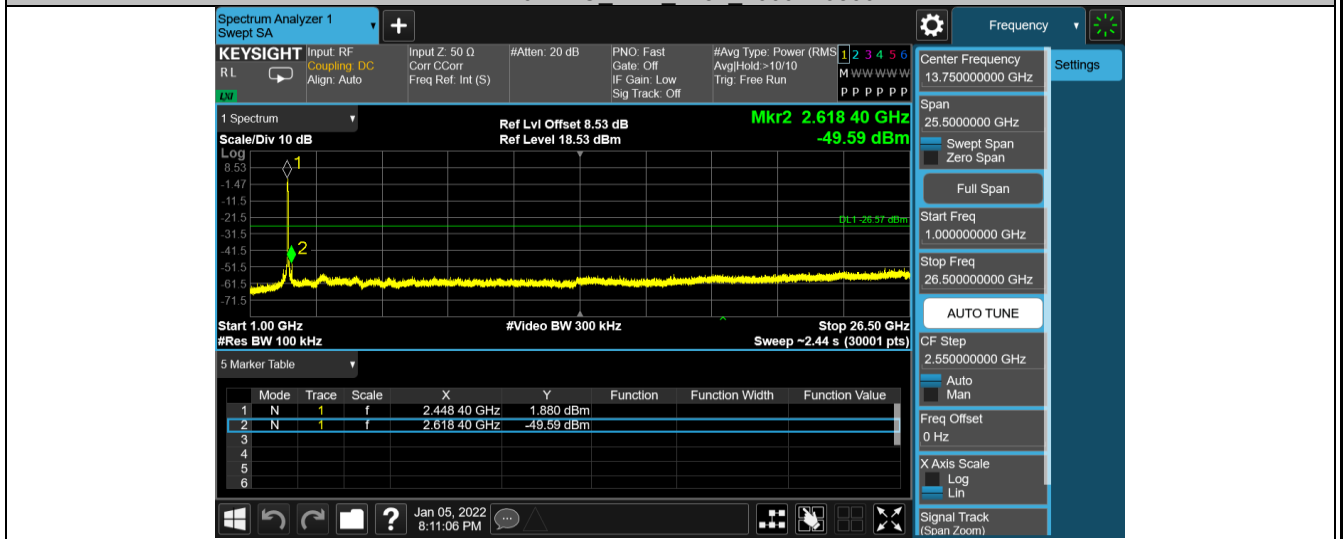


11N40MIMO Ant1 2452 30~1000

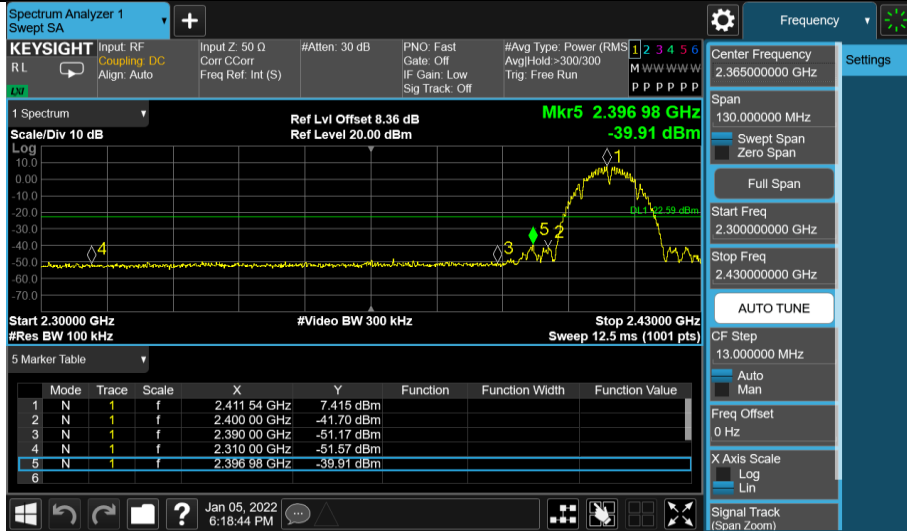


11N40MIMO Ant1 2452 1000~26500

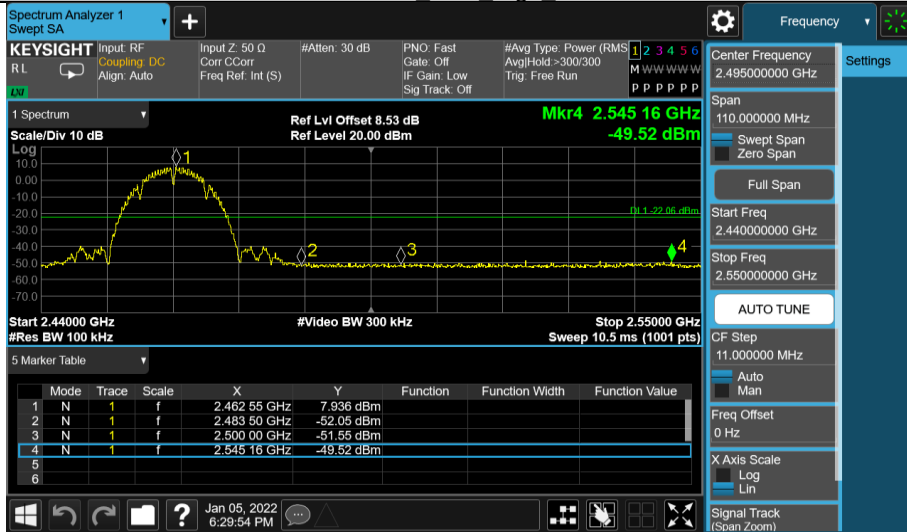


Wi-Fi 802.11 b mode, Band Edge

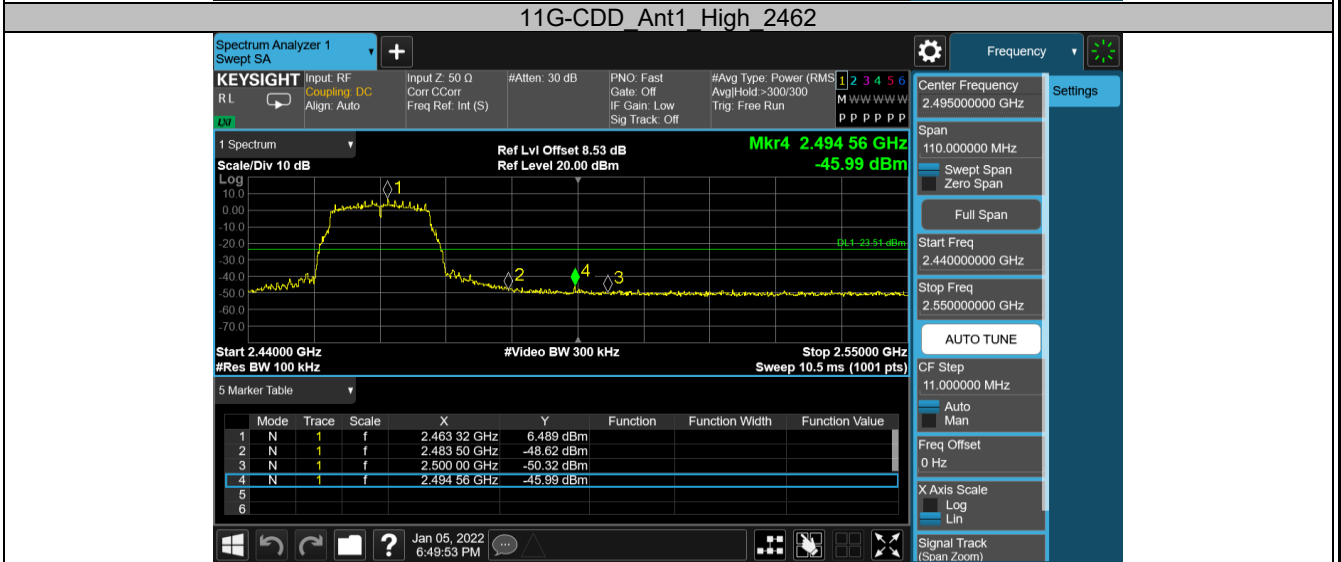
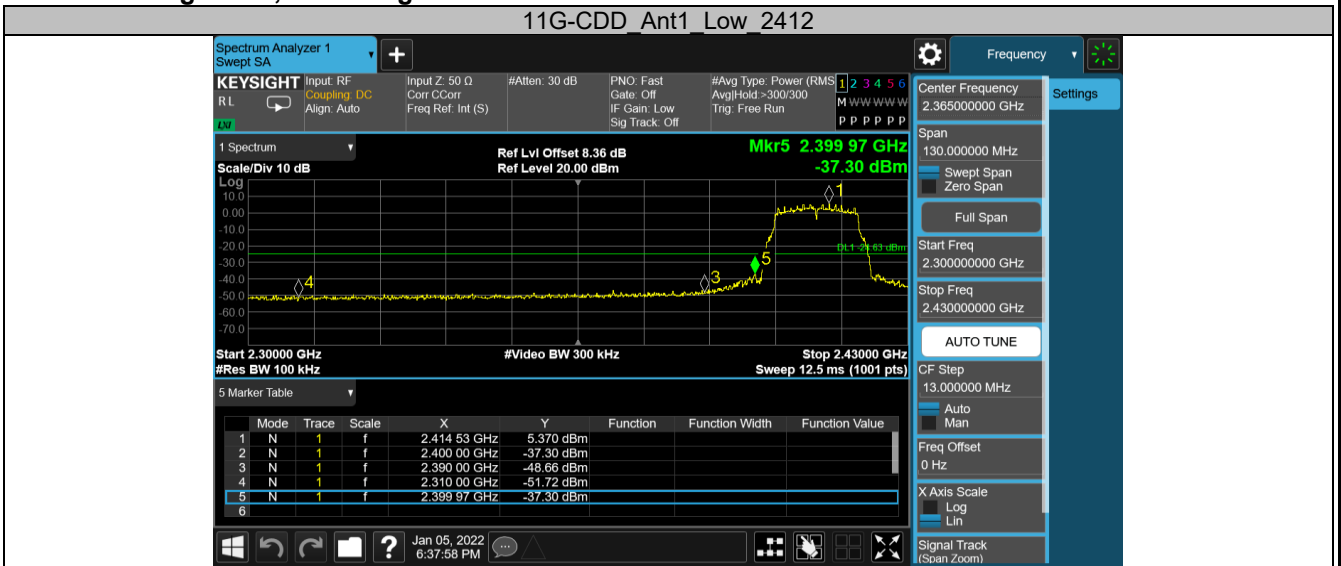
11B-CDD Ant1 Low 2412



11B-CDD Ant1 High 2462

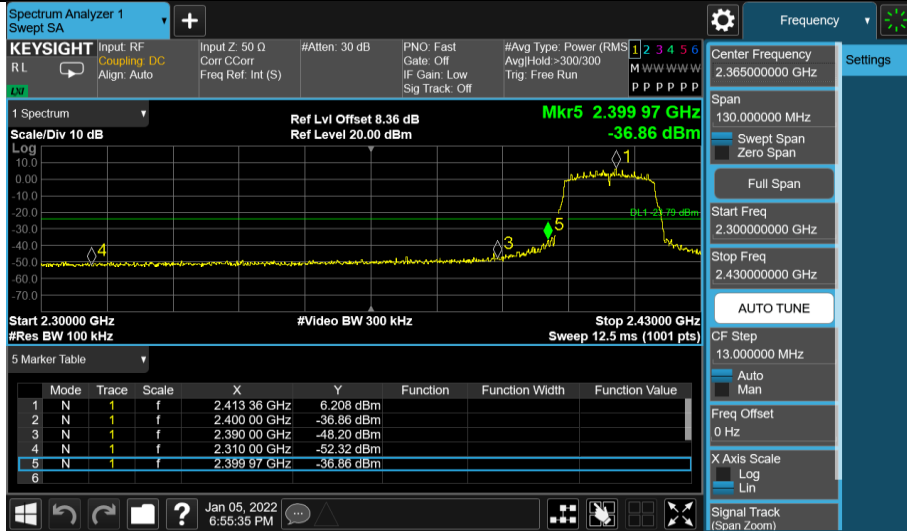


Wi-Fi 802.11 g mode, Band Edge

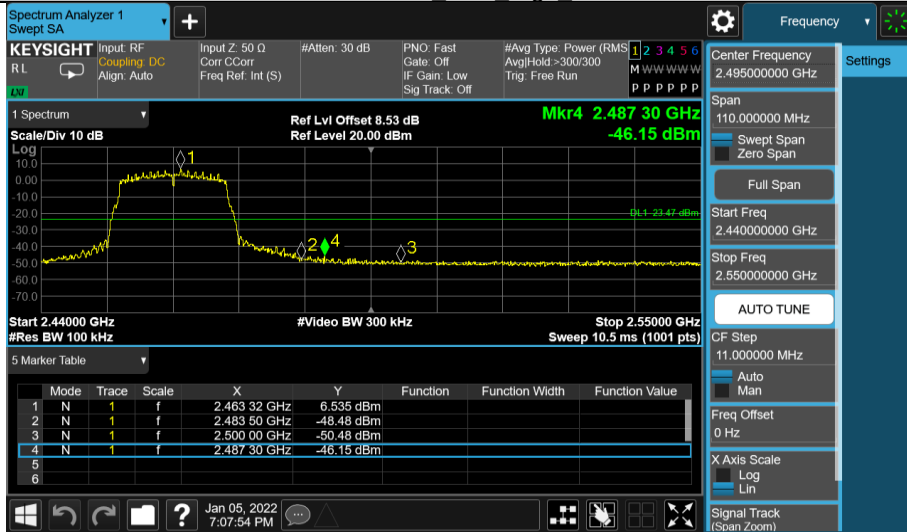


Wi-Fi 802.11 n(HT20) mode, Band Edge

11N20MIMO Ant1 Low 2412

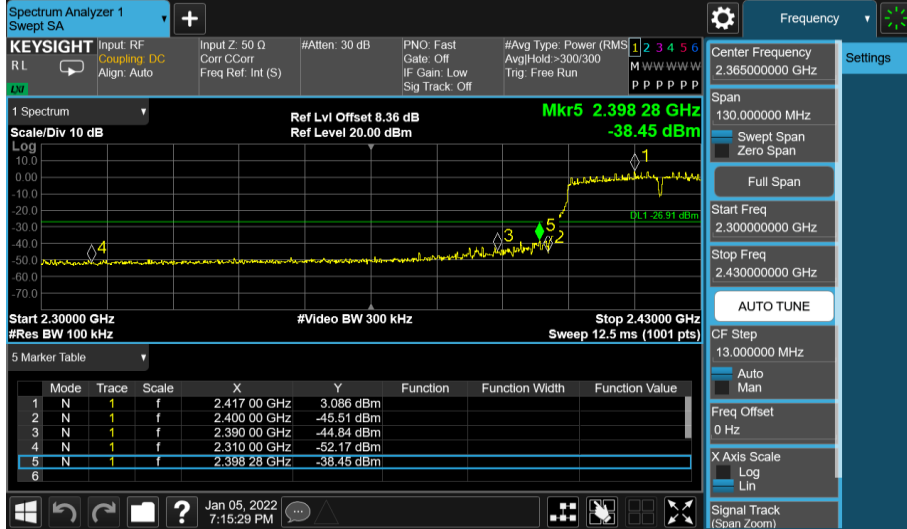


11N20MIMO Ant1 High 2462

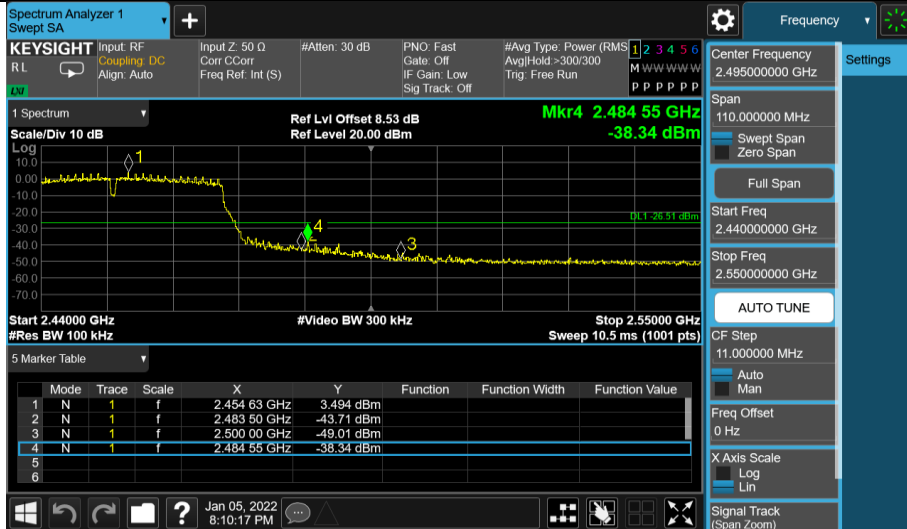


Wi-Fi 802.11 n(HT40) mode, Band Edge

11N40MIMO Ant1 Low 2422



11N40MIMO Ant1 High 2452

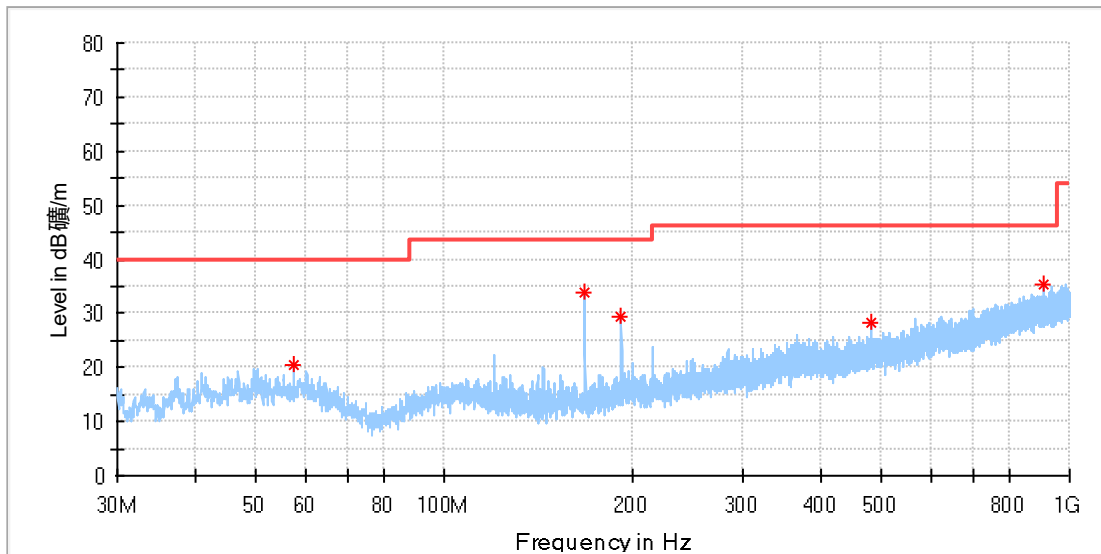


Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

### Appendix B.5: Test Results of Radiated Spurious Emissions 30MHz - 1GHz (Worst case)

#### EUT Information

EUT Name:	Wi-Fi Module
Model:	WF-M63B-USD1
Test Mode:	WIFI 2.4G_11b_Mid channel
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



#### Critical Freqs

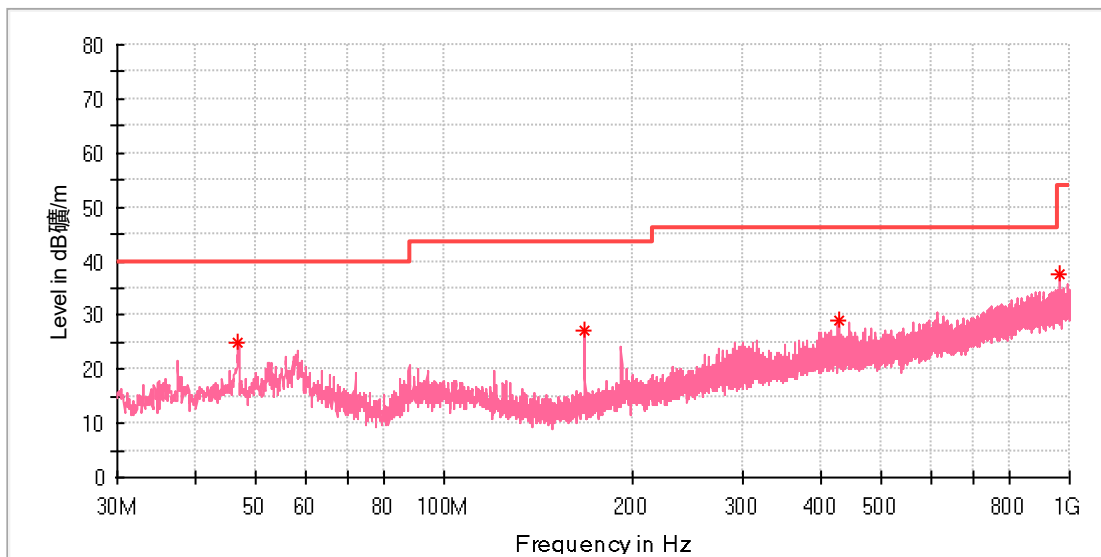
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
57.499500	20.59	40.00	19.41	100.0	H	6.0	-18.7
168.031000	33.69	43.50	9.81	100.0	H	225.0	-21.3
191.990000	29.29	43.50	14.21	100.0	H	225.0	-19.4
480.031500	28.45	46.00	17.55	100.0	H	0.0	-12.2
910.517500	35.31	46.00	10.69	100.0	H	290.0	-4.9

#### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_Mid channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 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)
46.878000	24.96	40.00	15.04	100.0	V	252.0	-18.5
168.031000	27.09	43.50	16.41	100.0	V	305.0	-21.3
426.293500	29.08	46.00	16.92	100.0	V	330.0	-13.3
965.080000	37.43	54.00	16.57	100.0	V	221.0	-4.2

### Final Result

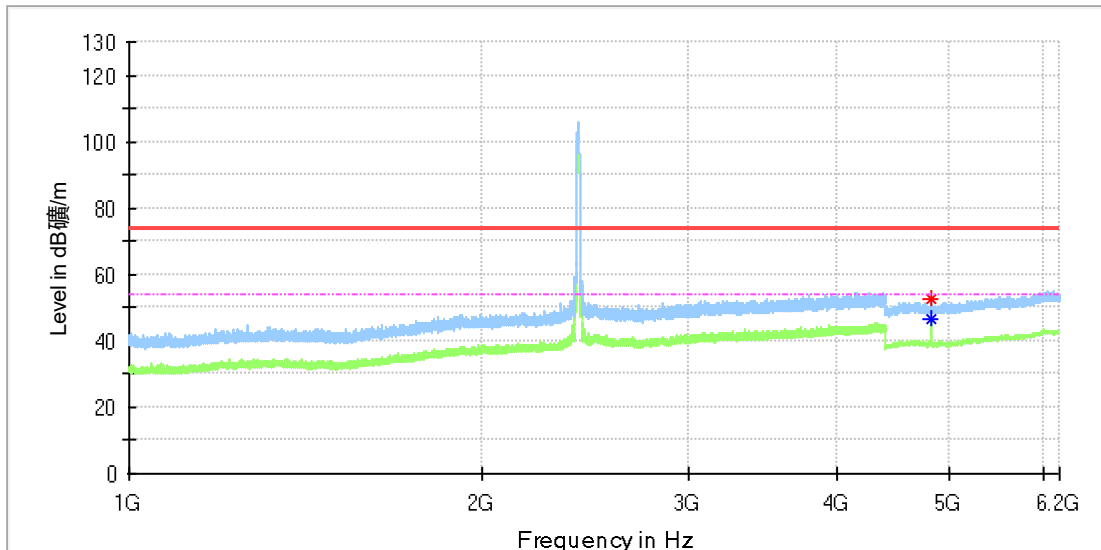
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

**1GHz - 18GHz**

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

**EUT Information**

EUT Name:	Wi-Fi Module
Model:	WF-M63B-USD1
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
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)
4824.000000	52.67	---	74.00	21.33	100.0	H	256.0	11.8
4824.000000	---	46.52	54.00	7.48	100.0	H	256.0	11.8

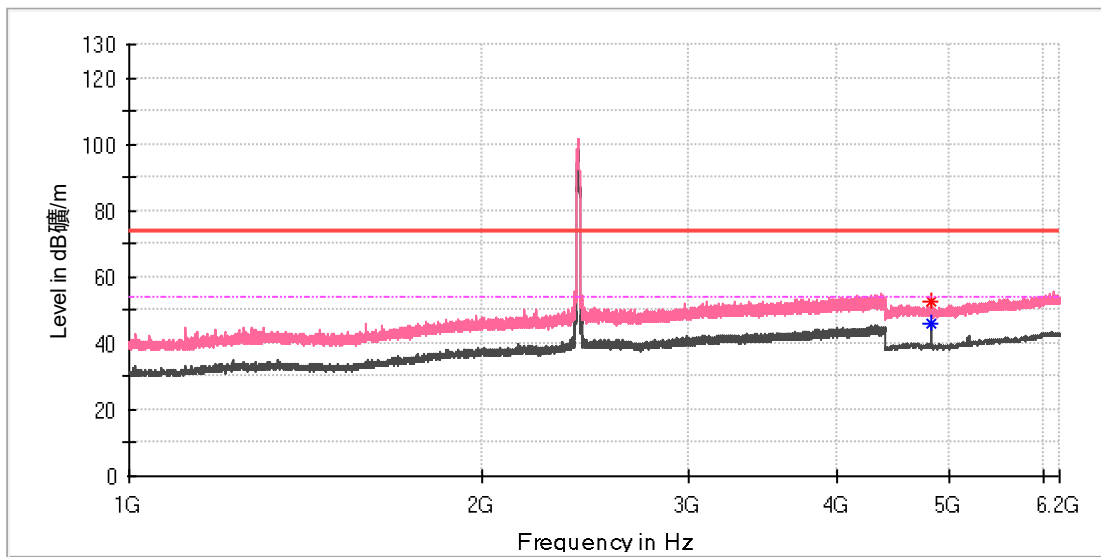
**Final Result**

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



### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_Low channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

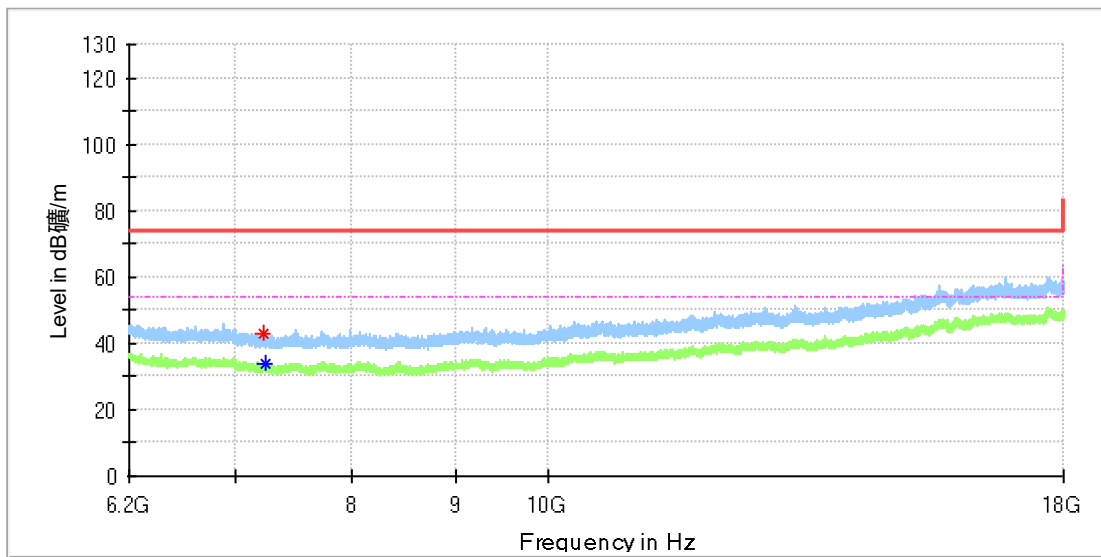
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	52.38	---	74.00	21.62	100.0	V	258.0	11.8
4824.000000	---	46.16	54.00	7.84	100.0	V	258.0	11.8

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_Low channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

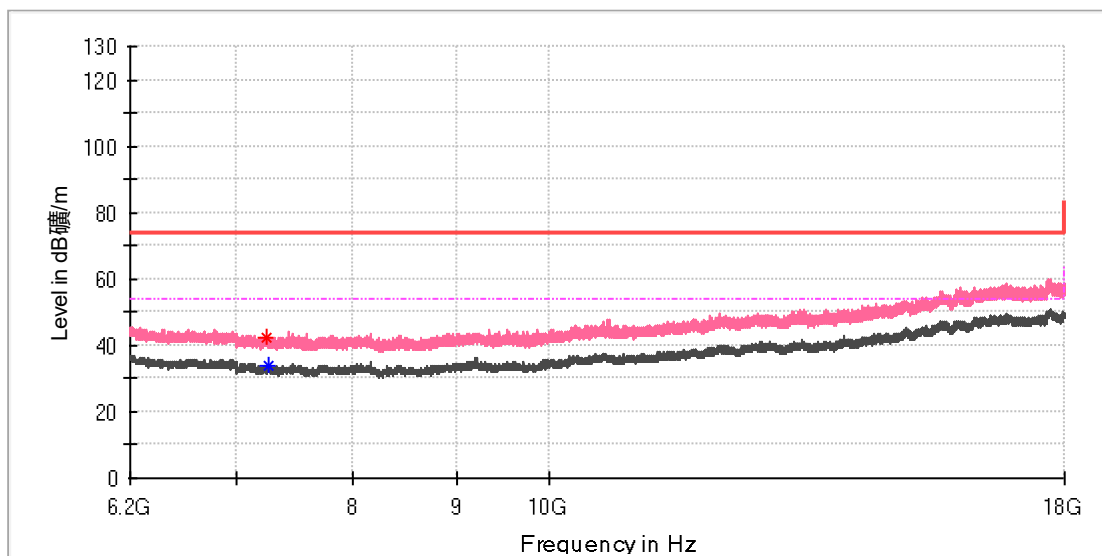
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7221.191667	42.90	---	74.00	31.10	100.0	H	306.0	8.7
7250.691667	---	33.79	54.00	20.21	100.0	H	170.0	8.5

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_Low channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

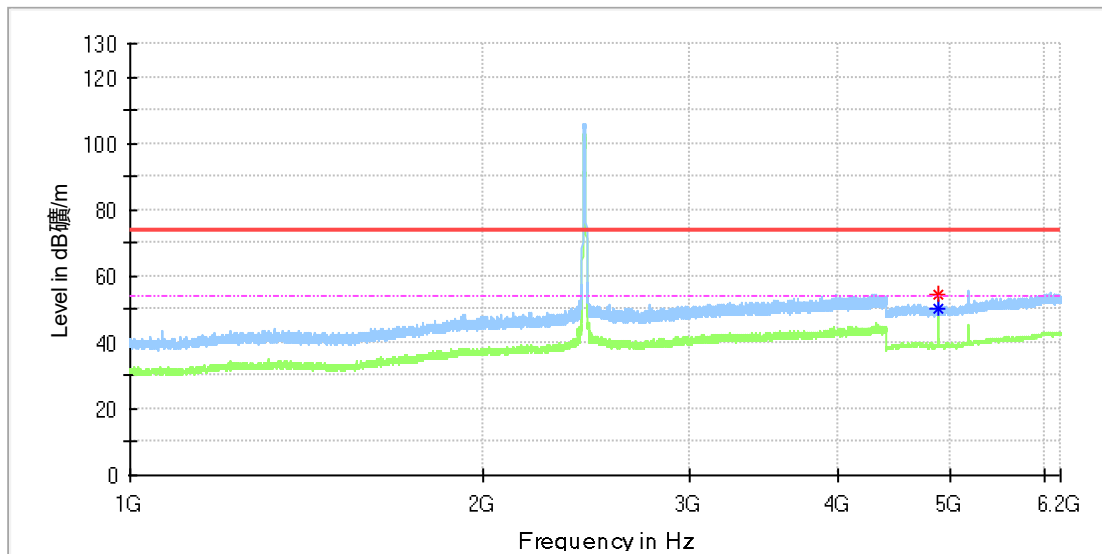
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7239.875000	42.36	---	74.00	31.64	100.0	V	166.0	8.6
7255.608333	---	33.82	54.00	20.18	100.0	V	248.0	8.5

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_Mid channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

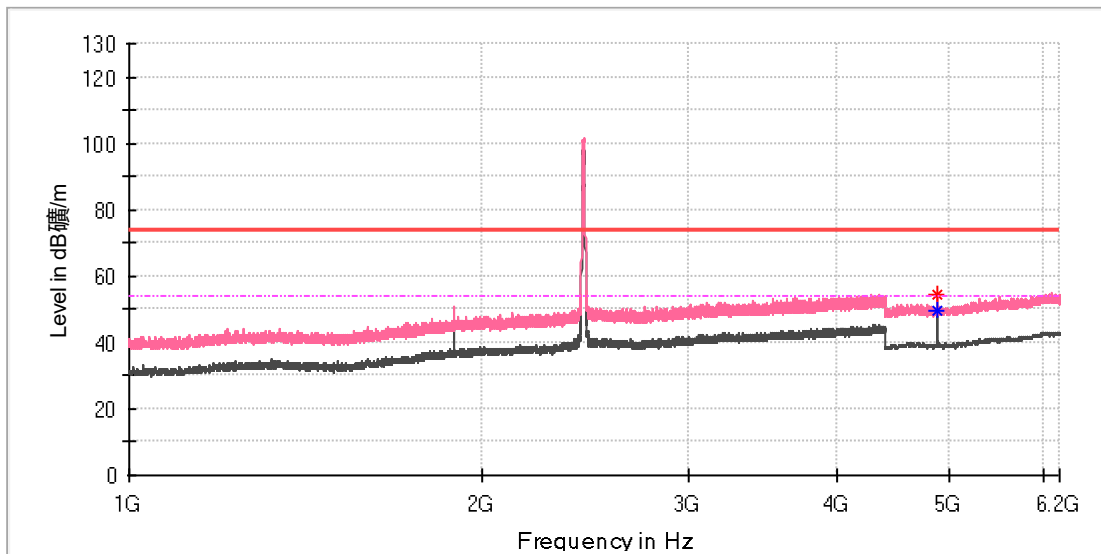
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	54.38	---	74.00	19.62	100.0	H	116.0	11.8
4874.000000	---	50.48	54.00	3.52	100.0	H	0.0	11.8

### Final\_Result

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

### EUT Information

EUT Name:	Wi-Fi Module
Model:	WF-M63B-USD1
Test Mode:	WIFI 2.4G_11b_Mid channel
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical\_Freqs

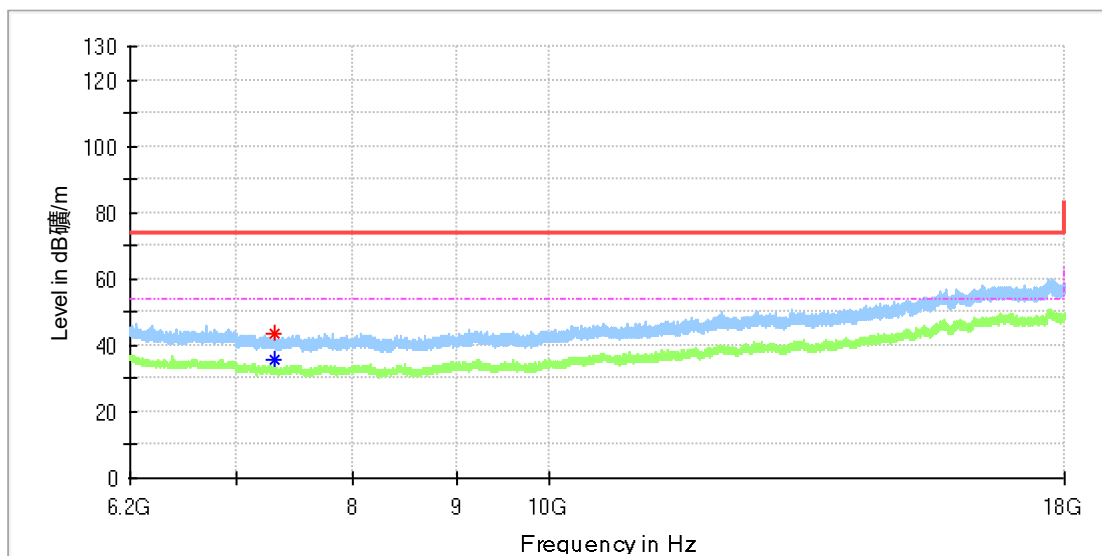
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	54.27	---	74.00	19.73	100.0	V	164.0	11.8
4874.000000	---	49.53	54.00	4.47	100.0	V	217.0	11.8

### Final\_Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_Mid channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

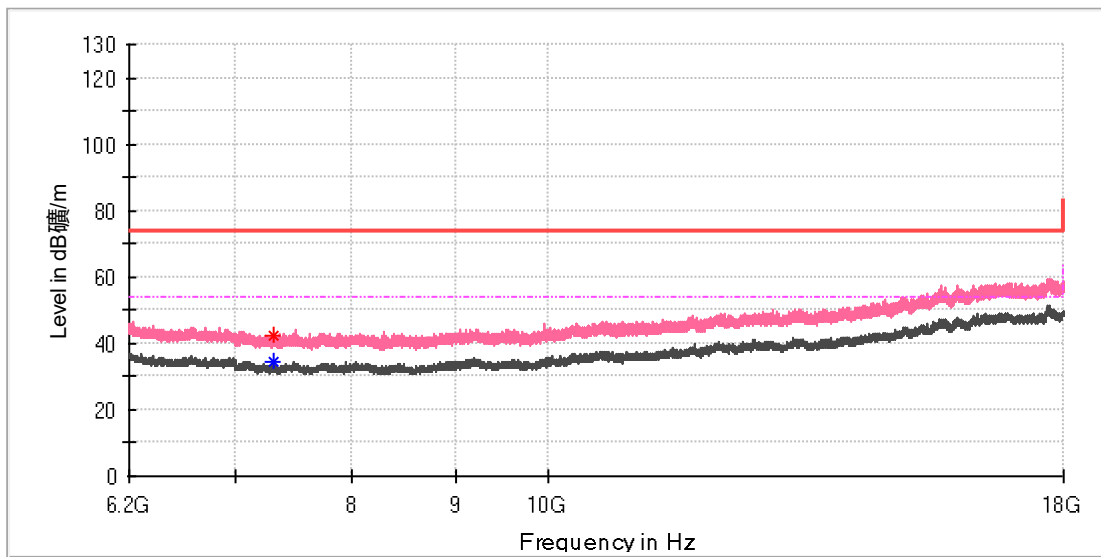
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7311.658333	---	35.96	54.00	18.04	100.0	H	195.0	8.2
7312.150000	43.54	---	74.00	30.46	100.0	H	206.0	8.2

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_Mid channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

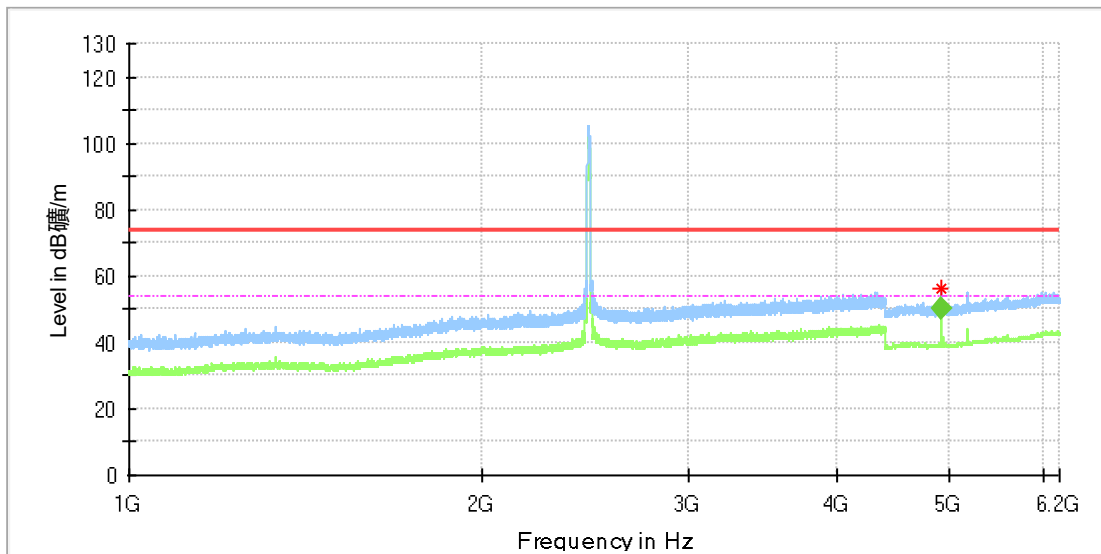
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.691667	---	34.58	54.00	19.42	100.0	V	17.0	8.2
7317.066667	42.59	---	74.00	31.41	100.0	V	44.0	8.2

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_High channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 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)
4923.500000	56.06	---	74.00	17.94	100.0	H	249.0	11.8

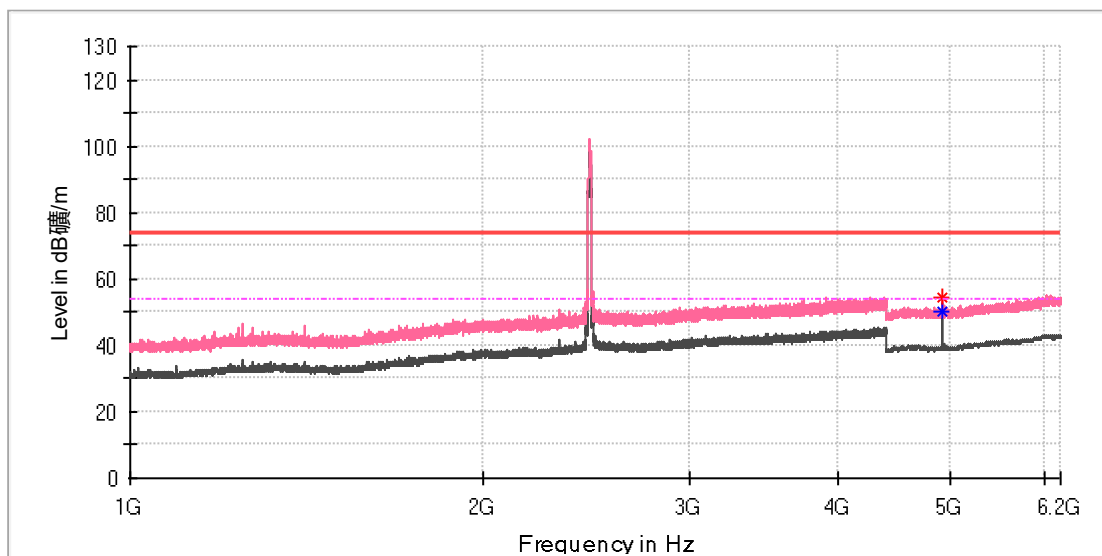
### Final\_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.944444	50.22	54.00	3.78	100.0	H	116.0	11.8



### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_High channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

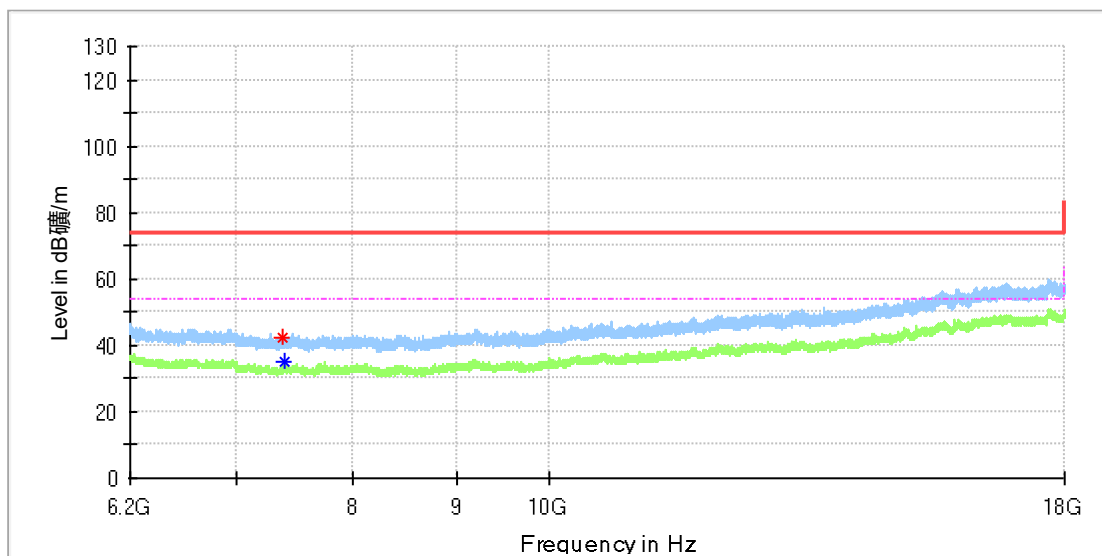
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	54.41	---	74.00	19.59	100.0	V	151.0	11.8
4924.000000	---	50.06	54.00	3.94	100.0	V	151.0	11.8

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_High channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

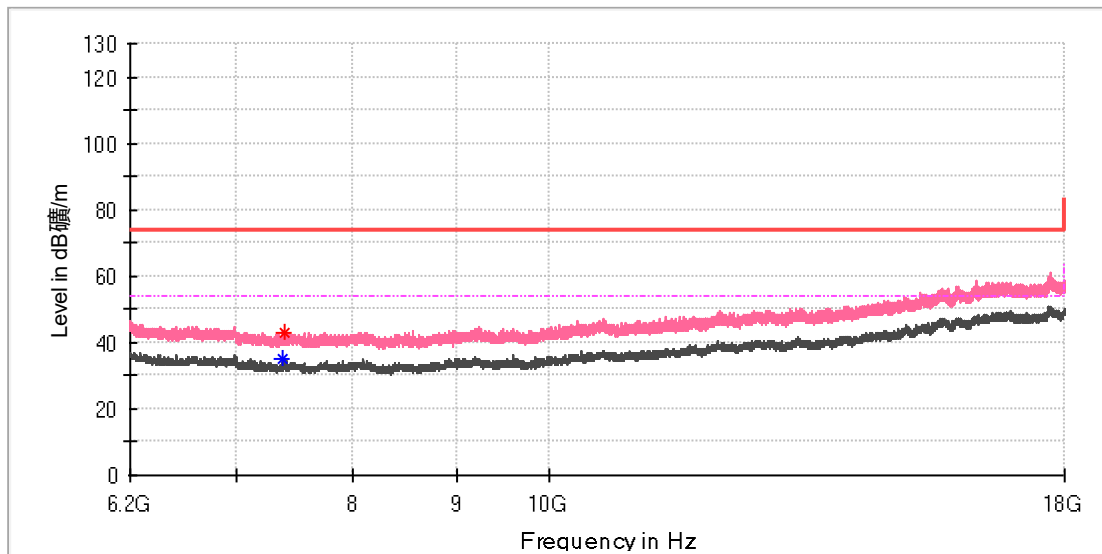
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7382.458333	42.28	---	74.00	31.72	100.0	H	154.0	8.2
7386.883333	---	35.21	54.00	18.79	100.0	H	286.0	8.2

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_High channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 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)
7384.916667	---	35.21	54.00	18.79	100.0	V	0.0	8.2
7389.341667	43.02	---	74.00	30.98	100.0	V	140.0	8.2

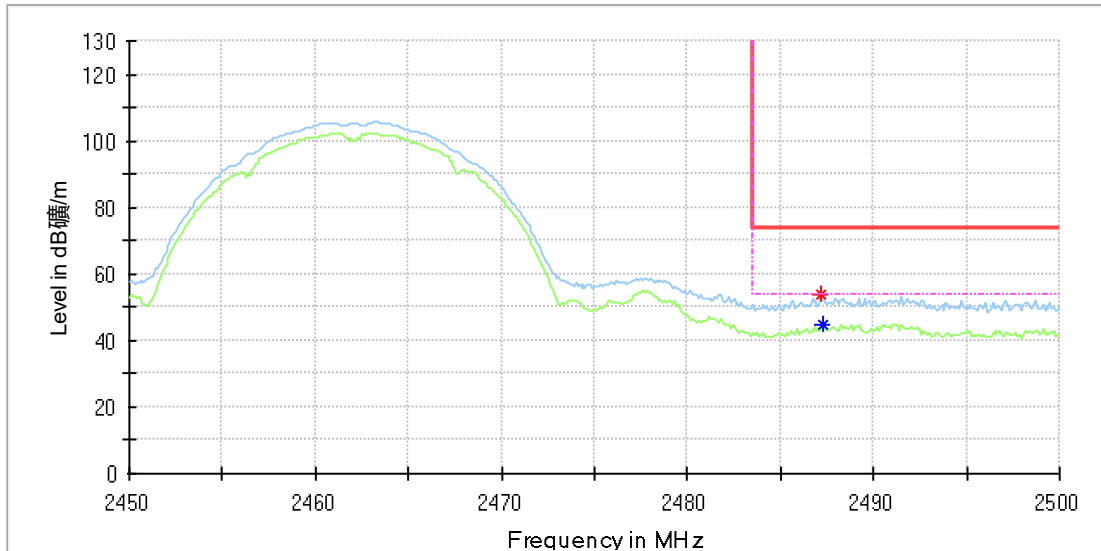
### Final\_Result

Frequency (MHz)	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**  
 Wi-Fi 802.11 b mode, 1 Mbps, ANT 1

**EUT Information**

EUT Name:	Wi-Fi Module
Model:	WF-M63B-USD1
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



**Critical Freqs**

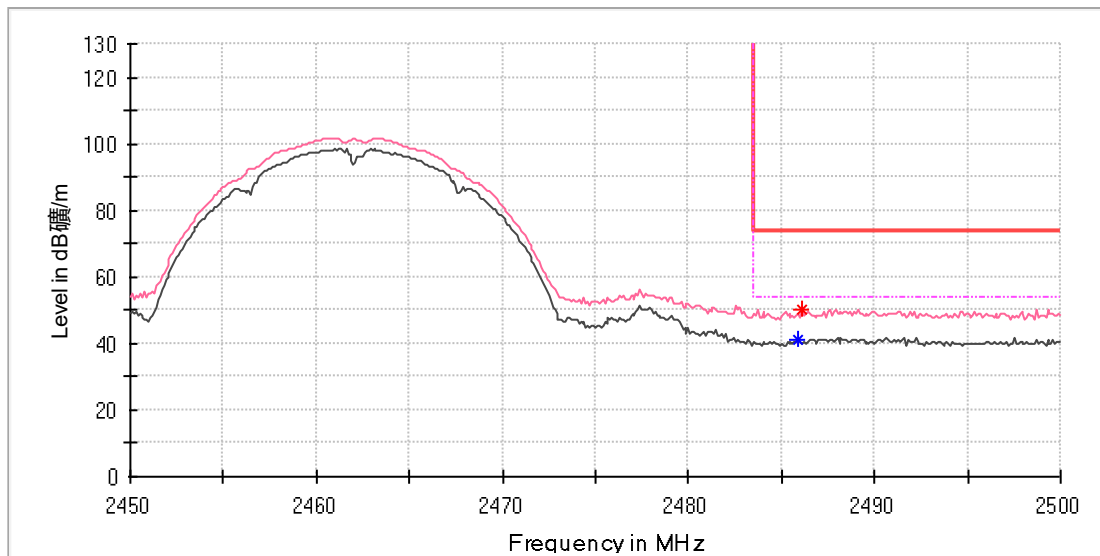
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.200000	54.08	---	74.00	19.92	100.0	H	330.0	7.4
2487.300000	---	44.62	54.00	9.38	100.0	H	330.0	7.4

**Final Result**

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

## EUT Information

EUT Name:	Wi-Fi Module
Model:	WF-M63B-USD1
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical\_Freqs

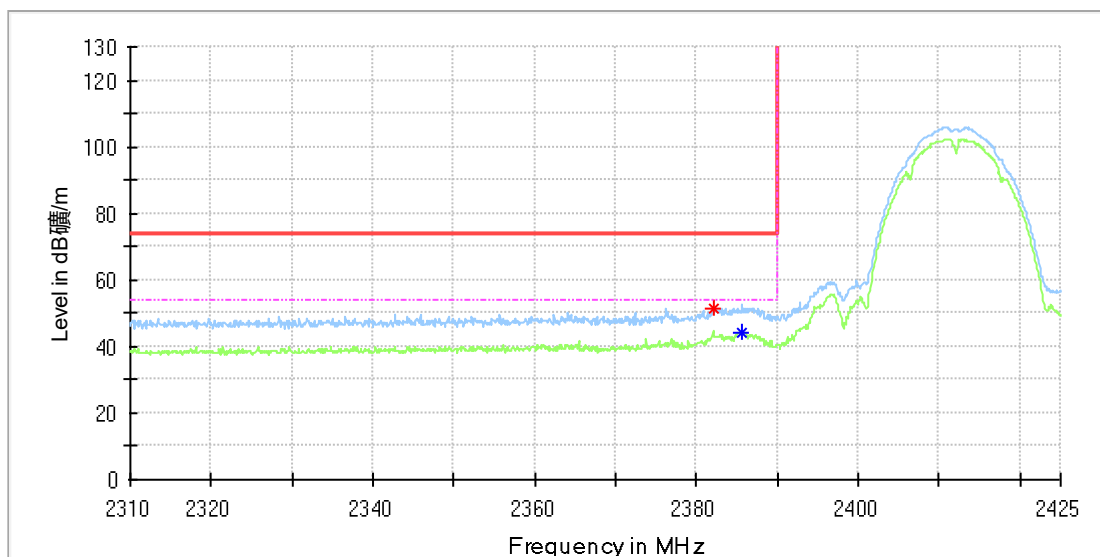
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.900000	---	41.04	54.00	12.96	100.0	V	90.0	7.4
2486.100000	50.39	---	74.00	23.61	100.0	V	90.0	7.4

## Final\_Result

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

## EUT Information

EUT Name:	Wi-Fi Module
Model:	WF-M63B-USD1
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical Freqs

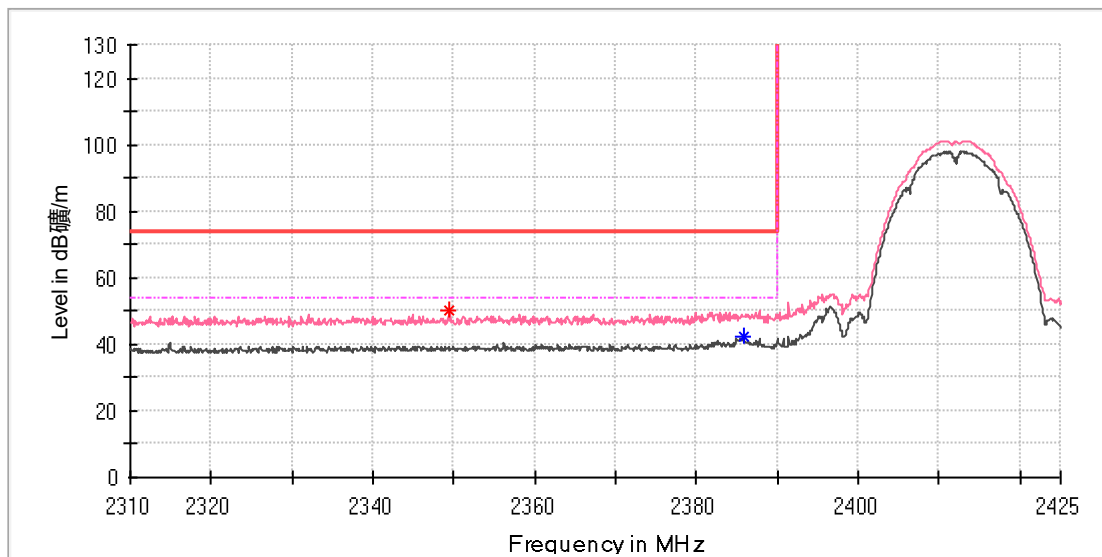
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2382.200000	51.49	---	74.00	22.51	100.0	H	159.0	7.0
2385.700000	---	44.44	54.00	9.56	100.0	H	180.0	7.0

## Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11b\_Low channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage: DC 5V From USB  
 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)
2349.500000	49.91	---	74.00	24.09	100.0	V	150.0	6.9
2385.800000	---	42.06	54.00	11.94	100.0	V	98.0	7.0

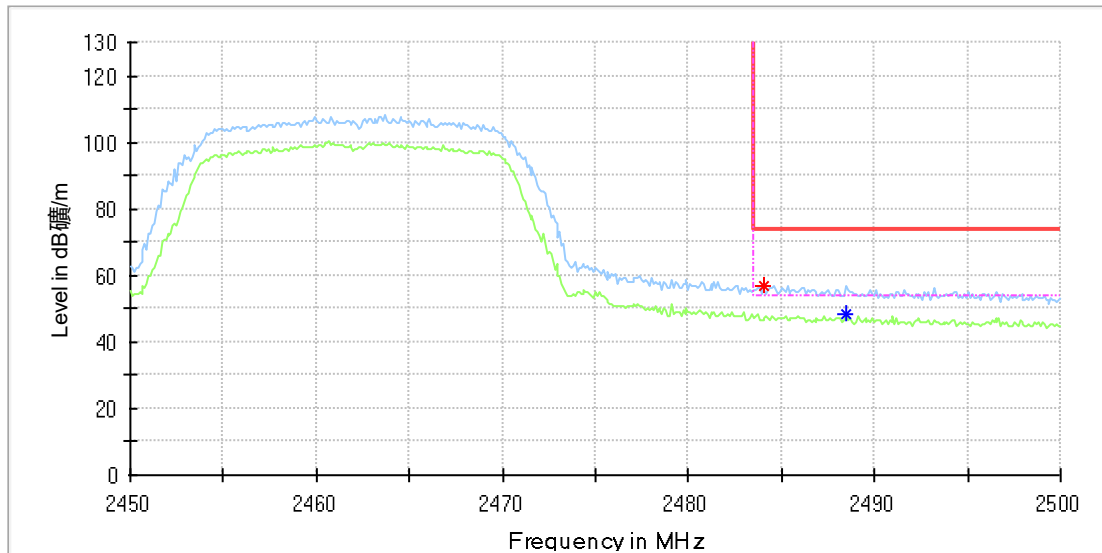
### Final Result

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

Wi-Fi 802.11 g mode, 6 Mbps, ANT 1

EUT Information

EUT Name:	Wi-Fi Module
Model:	WF-M63B-USD1
Test Mode:	WIFI 2.4G_11g_High channel
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
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)
2484.000000	56.92	---	74.00	17.08	100.0	H	327.0	7.4
2488.500000	---	48.27	54.00	5.73	100.0	H	70.0	7.4

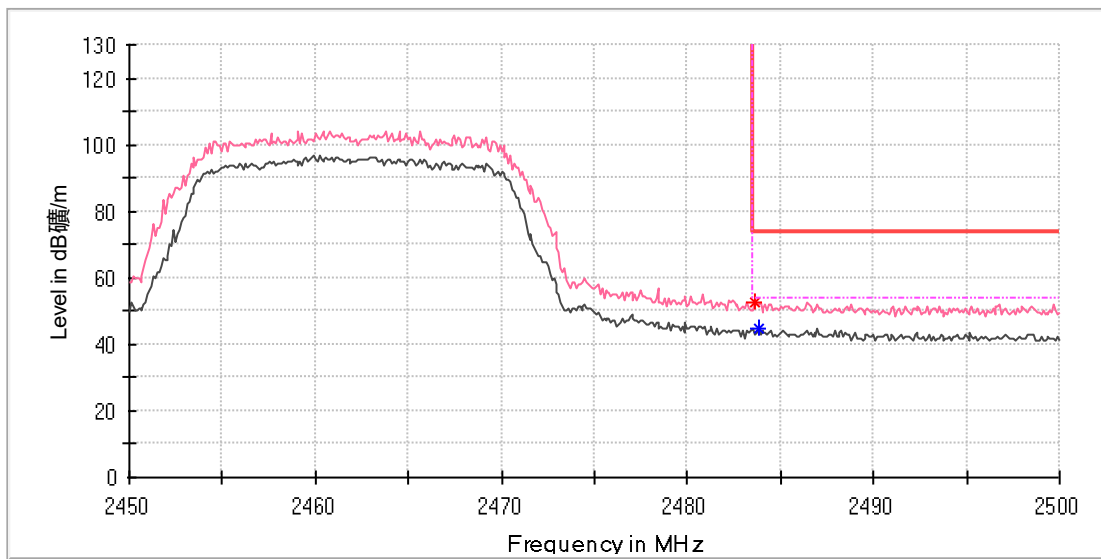
Final\_Result

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



### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11g\_High channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

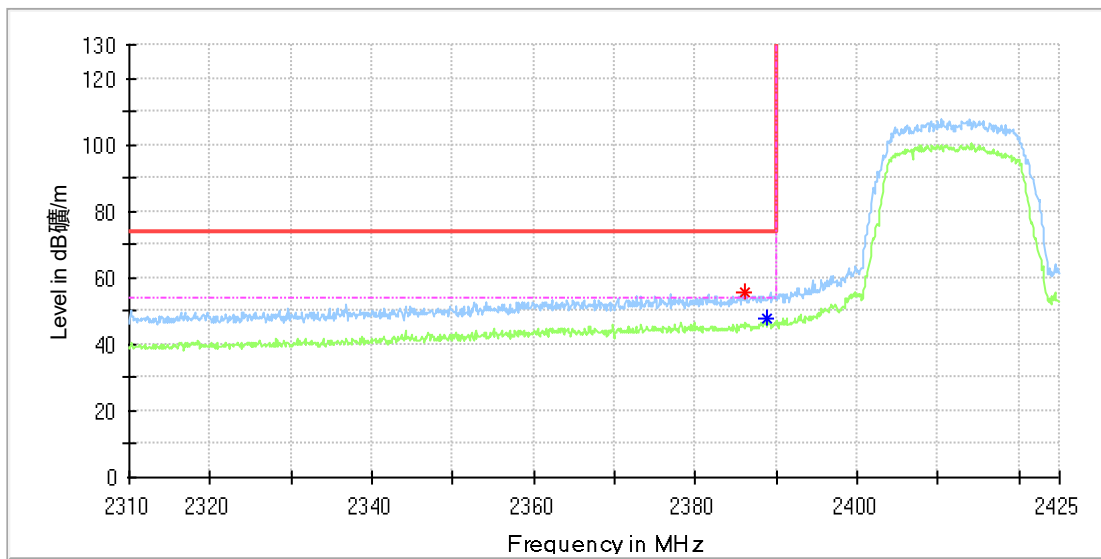
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.600000	52.70	---	74.00	21.30	100.0	V	98.0	7.4
2483.800000	---	44.55	54.00	9.45	100.0	V	98.0	7.4

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11g\_Low channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

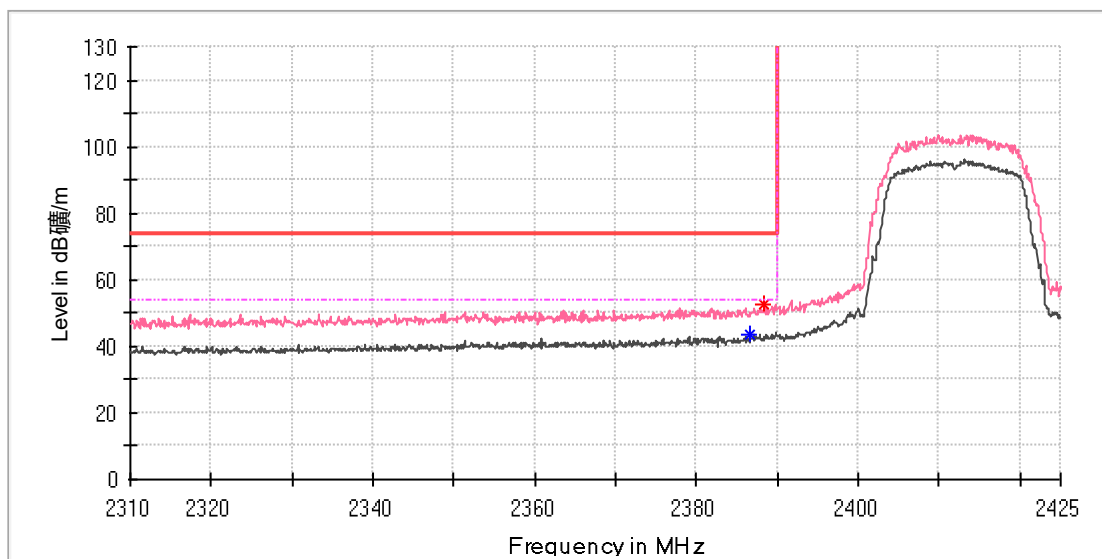
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.200000	55.65	---	74.00	18.35	100.0	H	181.0	7.0
2388.900000	---	47.62	54.00	6.38	100.0	H	172.0	7.0

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11g\_Low channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 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)
2386.600000	---	43.75	54.00	10.25	100.0	V	102.0	7.0
2388.400000	52.37	---	74.00	21.63	100.0	V	131.0	7.0

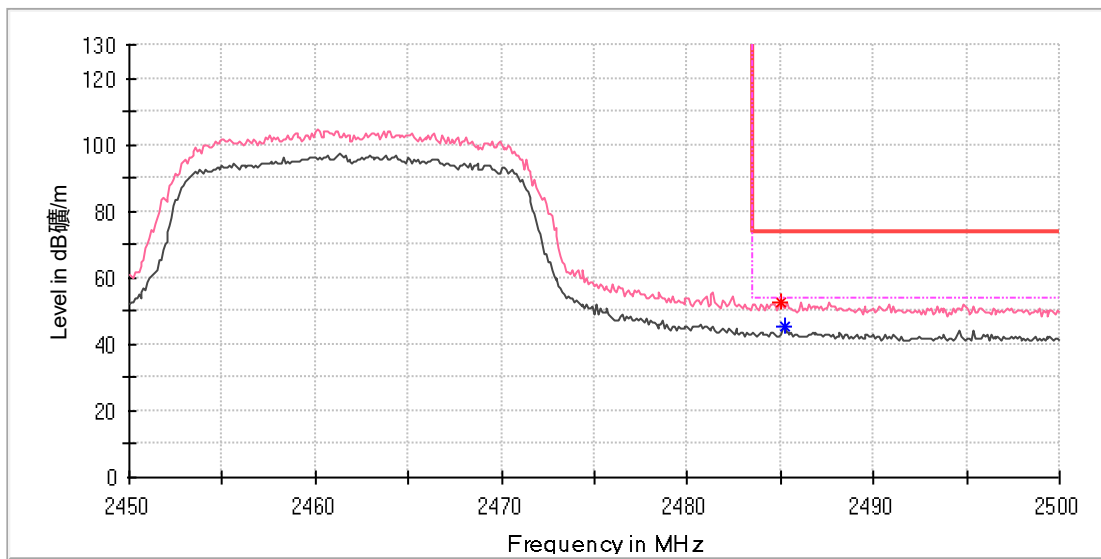
### Final Result

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



### EUT Information

EUT Name:	Wi-Fi Module
Model:	WF-M63B-USD1
Test Mode:	WIFI 2.4G_11n20_High channel
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical Freqs

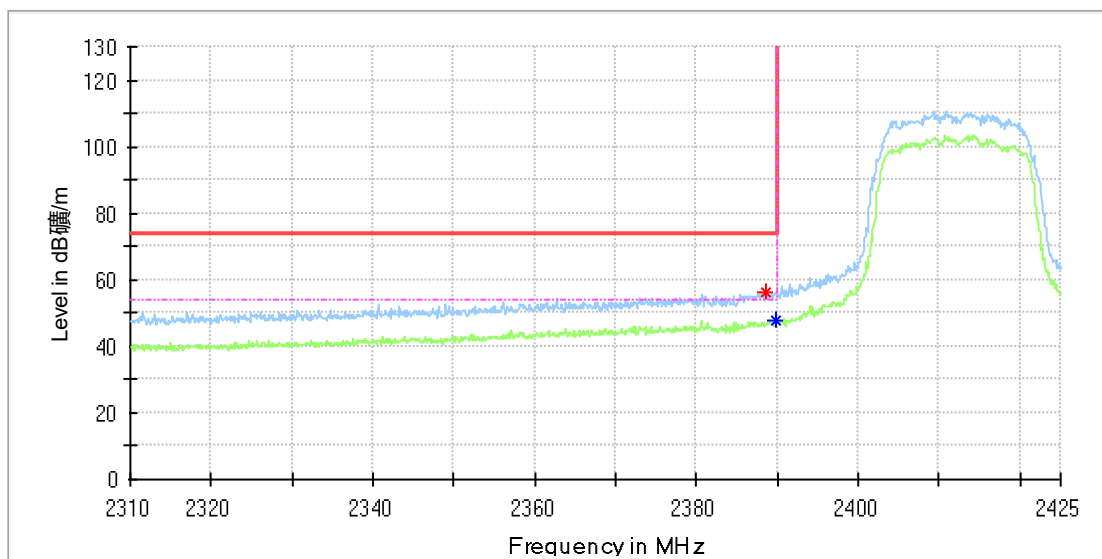
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.000000	52.83	---	74.00	21.17	100.0	V	70.0	7.4
2485.200000	---	45.26	54.00	8.74	100.0	V	90.0	7.4

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11n20\_Low channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

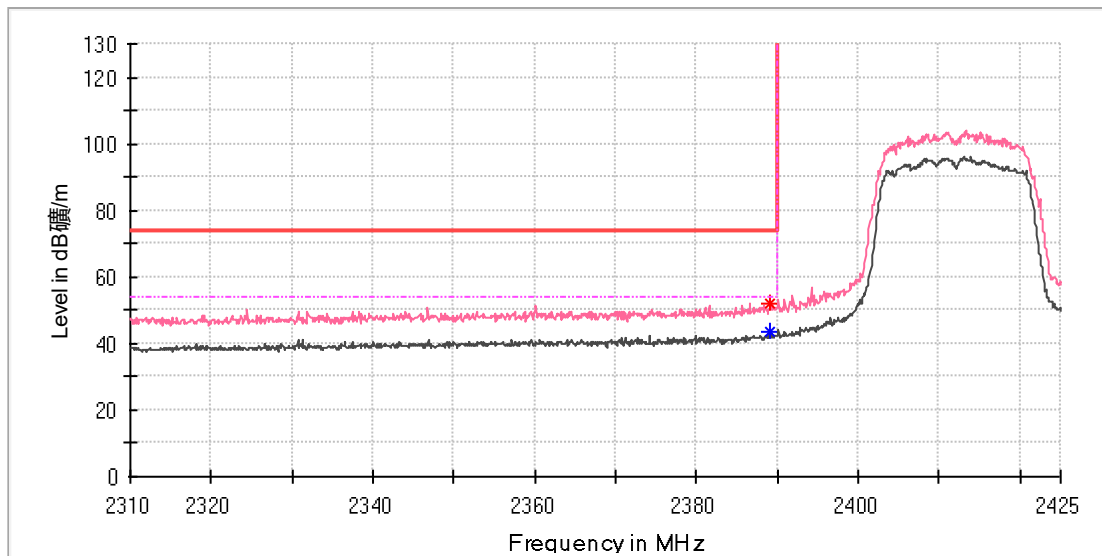
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.500000	56.42	---	74.00	17.58	100.0	H	236.0	7.0
2389.900000	---	47.83	54.00	6.17	100.0	H	274.0	7.0

### Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11n20\_Low channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 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)
2389.100000	---	43.75	54.00	10.25	100.0	V	108.0	7.0
2389.100000	51.77	---	74.00	22.23	100.0	V	108.0	7.0

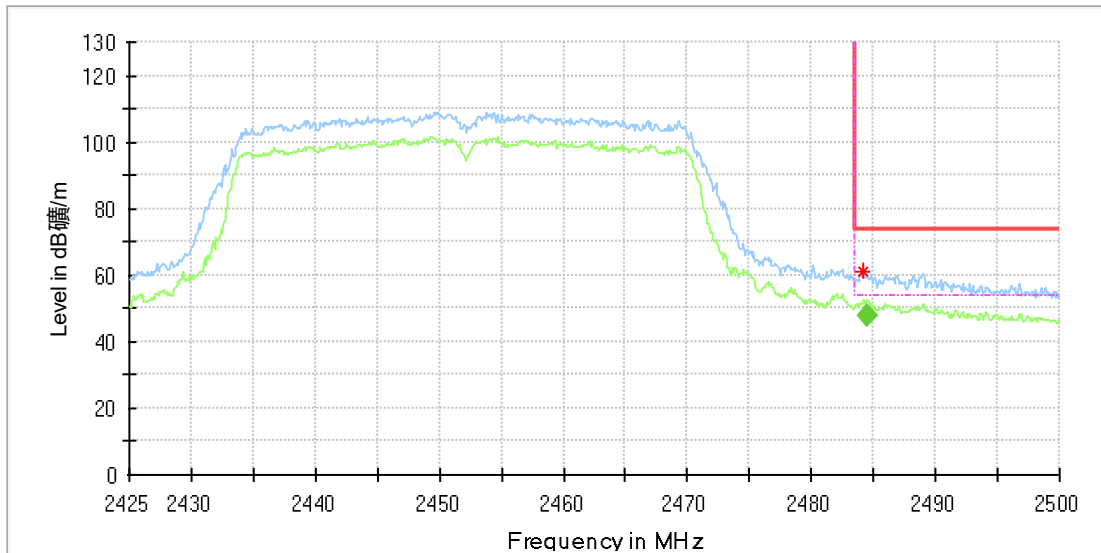
### Final Result

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

Wi-Fi 802.11 n(HT40) mode, MCS0, MIMO

EUT Information

EUT Name:	Wi-Fi Module
Model:	WF-M63B-USD1
Test Mode:	WIFI 2.4G_11n40_High channel
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
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)
2484.200000	61.19	---	74.00	12.81	100.0	H	68.0	7.4

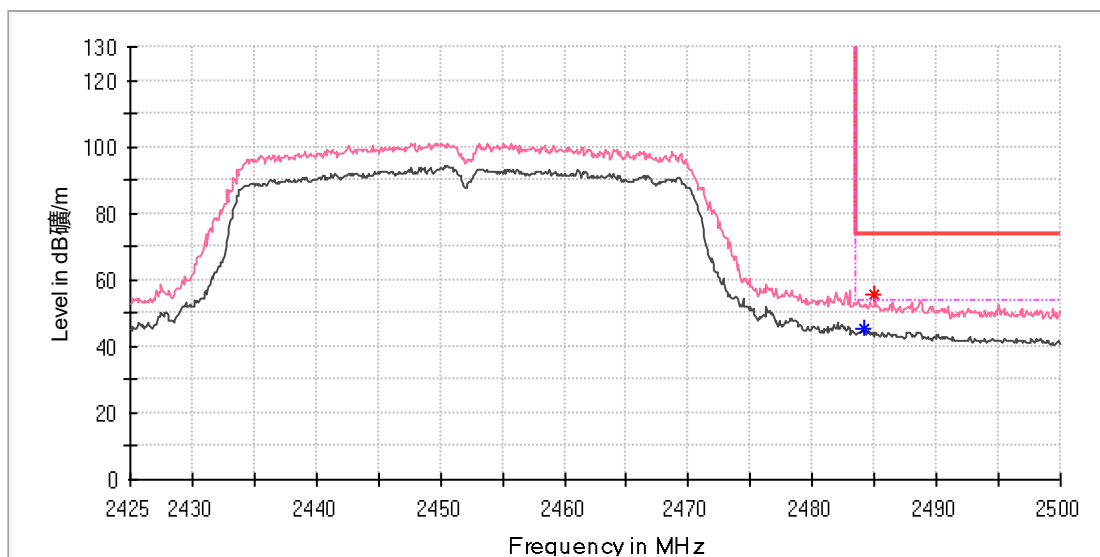
Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.438300	47.93	54.00	6.07	100.0	H	144.0	7.4



## EUT Information

EUT Name:	Wi-Fi Module
Model:	WF-M63B-USD1
Test Mode:	WIFI 2.4G_11n40_High channel
Order No/Sample No:	168350093/A003194326-001
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical Freqs

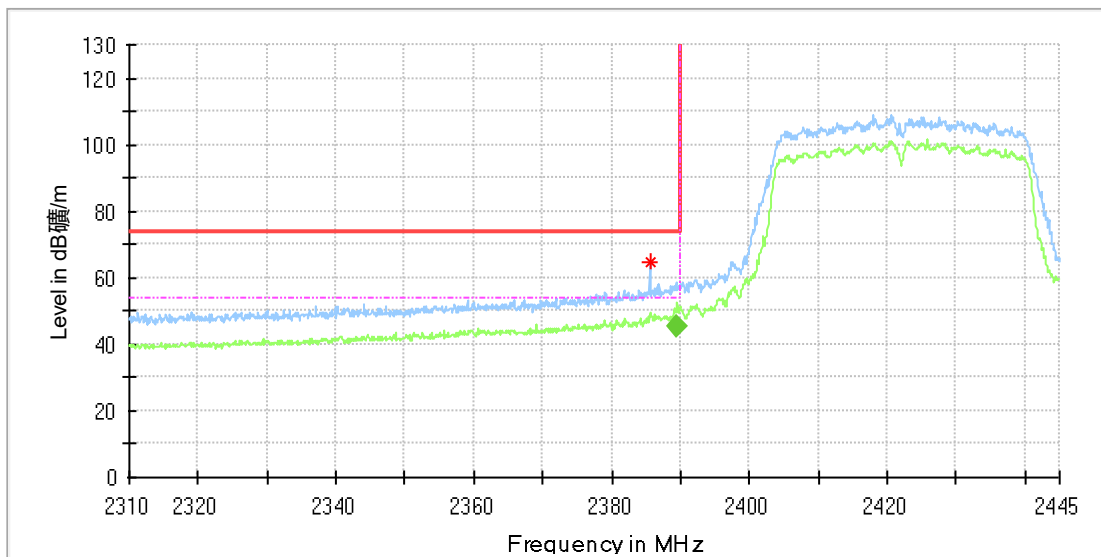
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.200000	---	45.47	54.00	8.53	100.0	V	194.0	7.4
2485.000000	55.68	---	74.00	18.32	100.0	V	95.0	7.4

## Final Result

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

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11n40\_Low channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

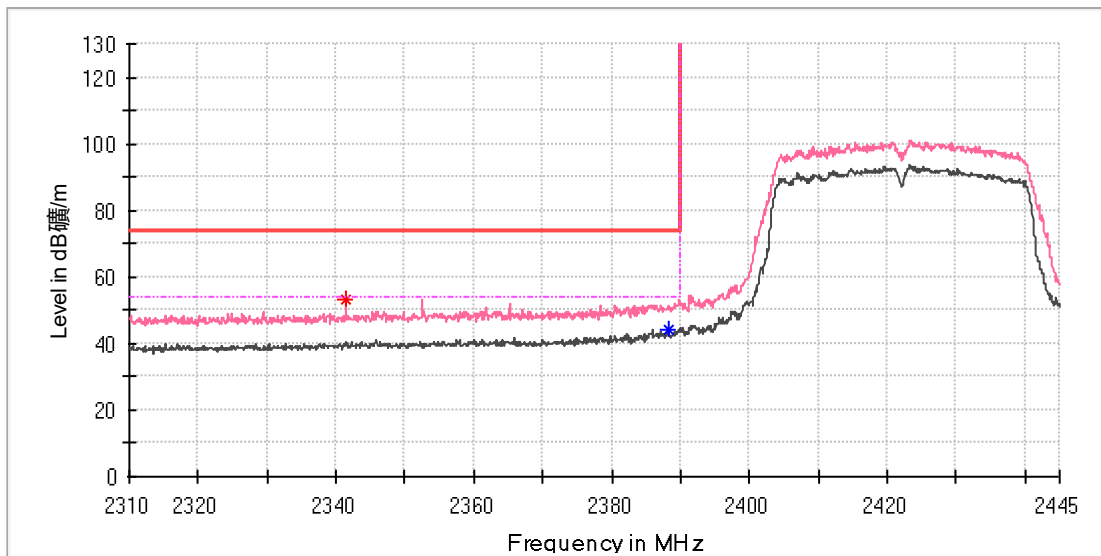
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.600000	64.79	---	74.00	9.21	100.0	H	0.0	7.0

### Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.465550	45.12	54.00	8.88	105.0	H	159.0	7.0

### EUT Information

EUT Name: Wi-Fi Module  
 Model: WF-M63B-USD1  
 Test Mode: WIFI 2.4G\_11n40\_Low channel  
 Order No/Sample No: 168350093/A003194326-001  
 Test Voltage:: DC 5V From USB  
 Remark: Temp 23 Humi:58%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

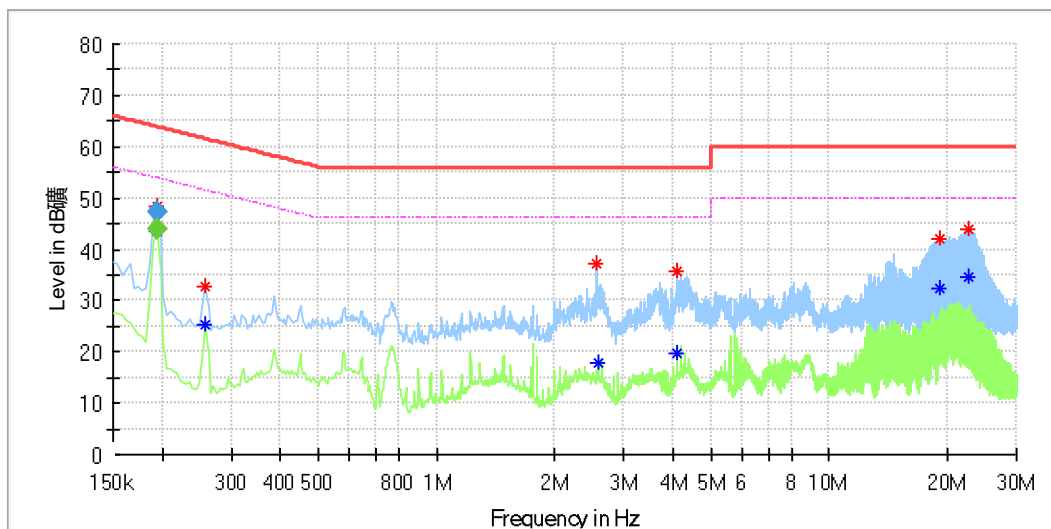
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2341.400000	53.40	---	74.00	20.60	100.0	V	203.0	6.8
2388.200000	---	44.32	54.00	9.68	100.0	V	95.0	7.0

### Final Result

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

## Appendix B.7: Test Results of Radiated Emissions in Restricted Bands EUT Information

EUT Name: WiFi Module  
 Order No: 168350093 20  
 Model: WF-M63B-USD1  
 Test mode: Simultaneous operating for Wi-Fi and Bluetooth  
 Test Voltage: 5V DC, from PC port  
 Test By: Steve Lan  
 Review By: Gary Chen  
 Remark: SR2



### Critical\_Freqs

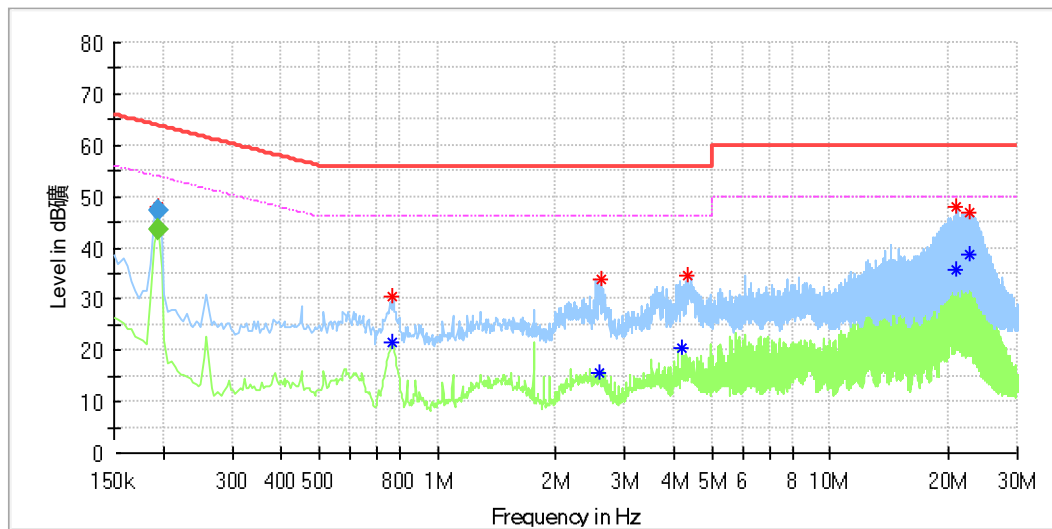
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.193500	48.24	---	63.86	15.62	L1	9.9
0.193500	---	43.56	53.86	10.30	L1	9.9
0.258000	---	25.21	51.50	26.29	L1	9.9
0.258000	32.90	---	61.50	28.60	L1	9.9
2.562000	37.06	---	56.00	18.94	L1	10.2
2.574000	---	18.03	46.00	27.97	L1	10.2
4.094000	---	19.59	46.00	26.41	L1	10.2
4.110000	35.87	---	56.00	20.13	L1	10.2
19.046000	---	32.32	50.00	17.68	L1	10.4
19.046000	42.08	---	60.00	17.92	L1	10.4
22.714000	43.91	---	60.00	16.09	L1	10.4
22.714000	---	34.72	50.00	15.28	L1	10.4

### Final\_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.193500	---	43.73	53.89	10.15	1000.0	9.000	L1	9.9
0.193500	47.24	---	63.89	16.64	1000.0	9.000	L1	9.9

## EUT Information

EUT Name: WiFi Module  
 Order No: 168350093 20  
 Model: WF-M63B-USD1  
 Test mode: Simultaneous operating for Wi-Fi and Bluetooth  
 Test Voltage: 5V DC, from PC port  
 Test By: Steve Lan  
 Review By: Gary Chen  
 Remark: SR2



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.193500	---	43.98	53.86	9.88	N	9.8
0.193500	48.14	---	63.86	15.73	N	9.8
0.770000	---	21.41	46.00	24.59	N	9.8
0.770000	30.63	---	56.00	25.37	N	9.8
2.574000	---	15.79	46.00	30.21	N	9.9
2.598000	34.01	---	56.00	21.99	N	9.9
4.202000	---	20.63	46.00	25.37	N	9.9
4.338000	34.75	---	56.00	21.25	N	9.9
21.010000	47.91	---	60.00	12.09	N	10.3
21.010000	---	35.63	50.00	14.37	N	10.3
22.642000	---	38.55	50.00	11.45	N	10.3
22.642000	46.94	---	60.00	13.06	N	10.3

## Final\_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.193500	---	43.62	53.89	10.27	1000.0	9.000	N	9.8
0.193500	47.12	---	63.89	16.76	1000.0	9.000	N	9.8