

Appendix B: Test Results of Bluetooth BDR/EDR mode

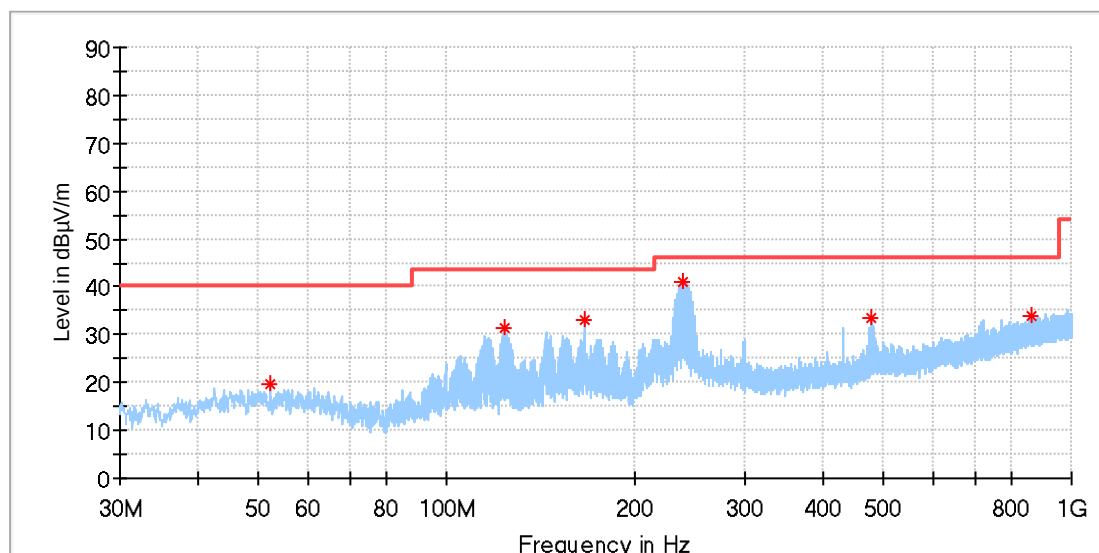
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Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report.

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

EUT Information

EUT Name:	WiFi+BT module
Model:	DCT2VM2511
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168365112/A003224451-001
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

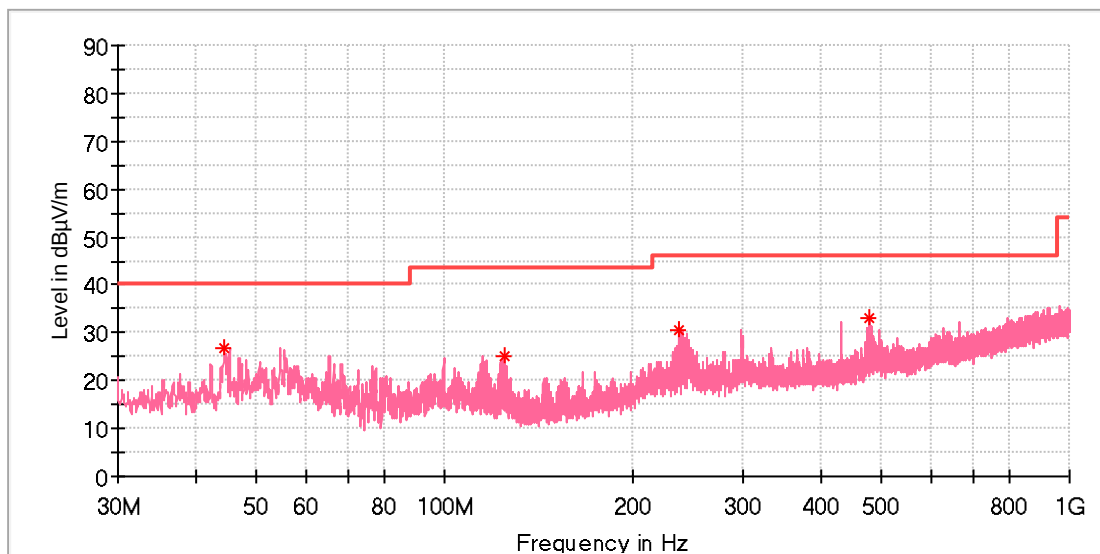
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
52.261500	19.69	40.00	20.31	100.0	H	188.0	-18.4
124.090000	31.57	43.50	11.93	100.0	H	165.0	-21.2
165.945500	32.88	43.50	10.62	100.0	H	152.0	-21.4
239.617000	41.09	46.00	4.91	100.0	H	18.0	-17.7
479.643500	33.53	46.00	12.47	100.0	H	242.0	-12.2
862.454000	33.85	46.00	12.15	100.0	H	355.0	-5.3

Final_Result

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

EUT Name:	WIFI+BT module
Model:	DCT2VM2511
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168365112/A003224451-001
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:55%
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)
44.404500	26.79	40.00	13.21	100.0	V	246.0	-18.9
124.429500	25.17	43.50	18.33	100.0	V	101.0	-21.3
237.046500	30.36	46.00	15.64	100.0	V	101.0	-17.8
477.073000	33.05	46.00	12.95	100.0	V	204.0	-12.2

Final Result

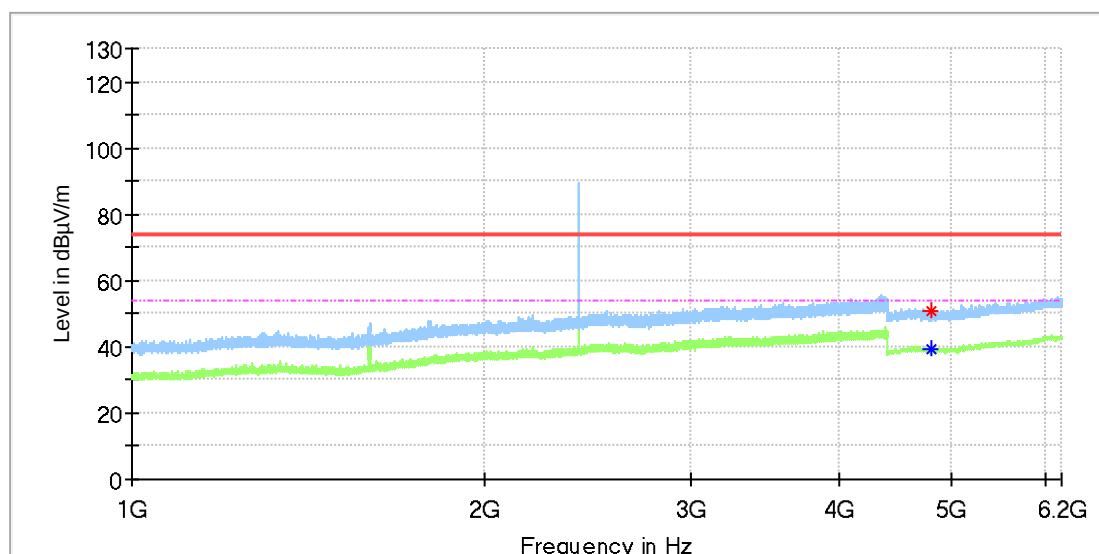
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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1GHz - 18GHz

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

EUT Information

EUT Name:	WiFi+BT module
Model:	DCT2VM2511
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Order No/Sample No:	168365112/A003224451-001
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

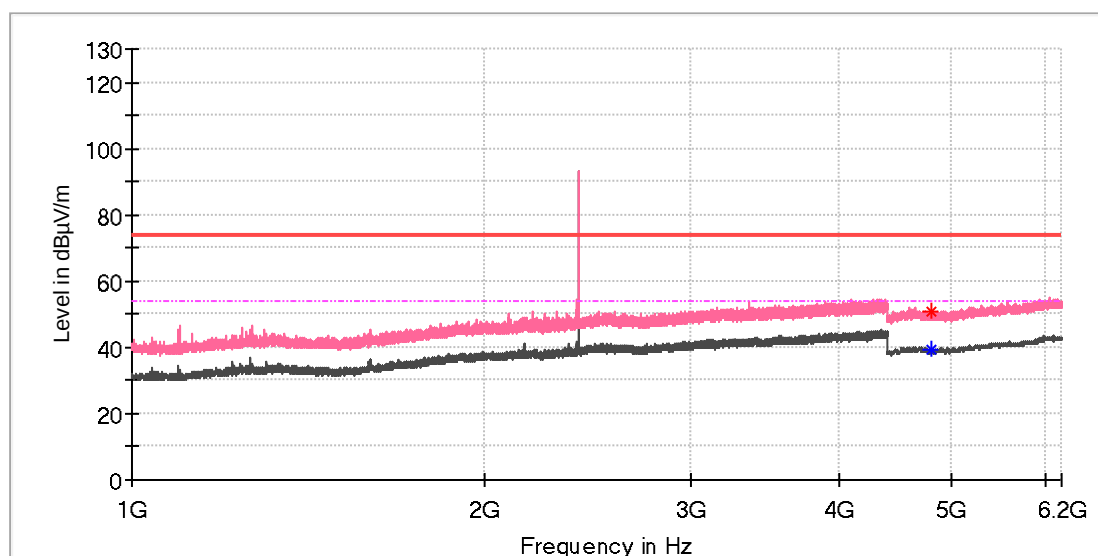
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4802.000000	---	39.45	54.00	14.55	100.0	H	123.0	11.8
4803.500000	50.64	---	74.00	23.36	100.0	H	78.0	11.8

Final Result

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

EUT Information

EUT Name: WIFI+BT module
Model: DCT2VM2511
Test Mode: BR_DH5_Low channel
Order No/Sample No: 168365112/A003224451-001
Test Voltage:: DC 5V From USB
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
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Critical_Freqs

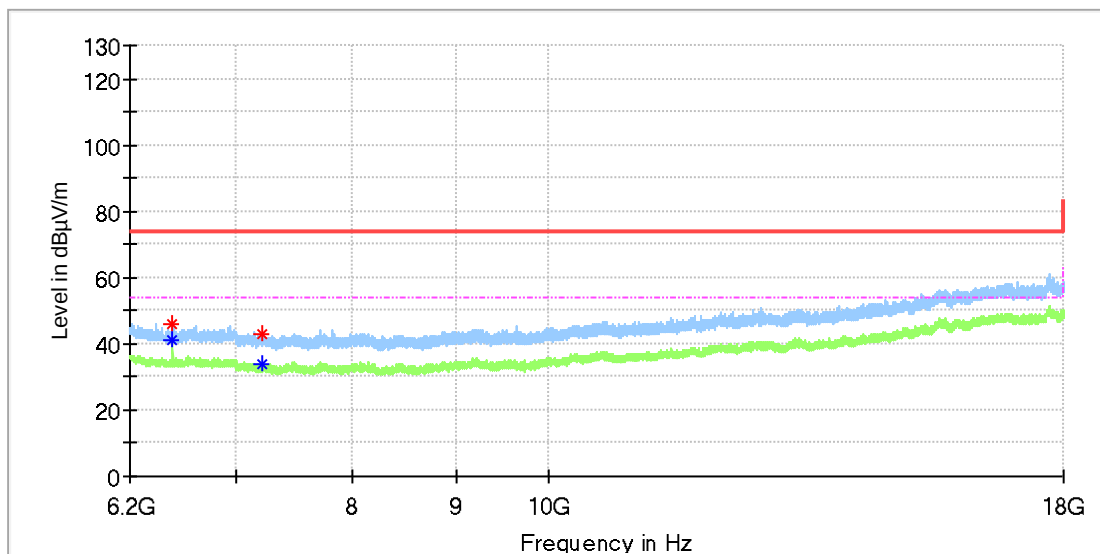
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.500000	50.74	---	74.00	23.26	100.0	V	348.0	11.8
4804.500000	---	39.43	54.00	14.57	100.0	V	182.0	11.8

Final_Result

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

EUT Information

EUT Name:	WIFI+BT module
Model:	DCT2VM2511
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168365112/A003224451-001
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
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Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6511.225000	45.83	---	74.00	28.17	100.0	H	100.0	8.8
6511.716667	---	41.39	54.00	12.61	100.0	H	137.0	8.8
7206.933333	42.76	---	74.00	31.24	100.0	H	161.0	8.8
7207.916667	---	33.85	54.00	20.15	100.0	H	0.0	8.8

Final Result

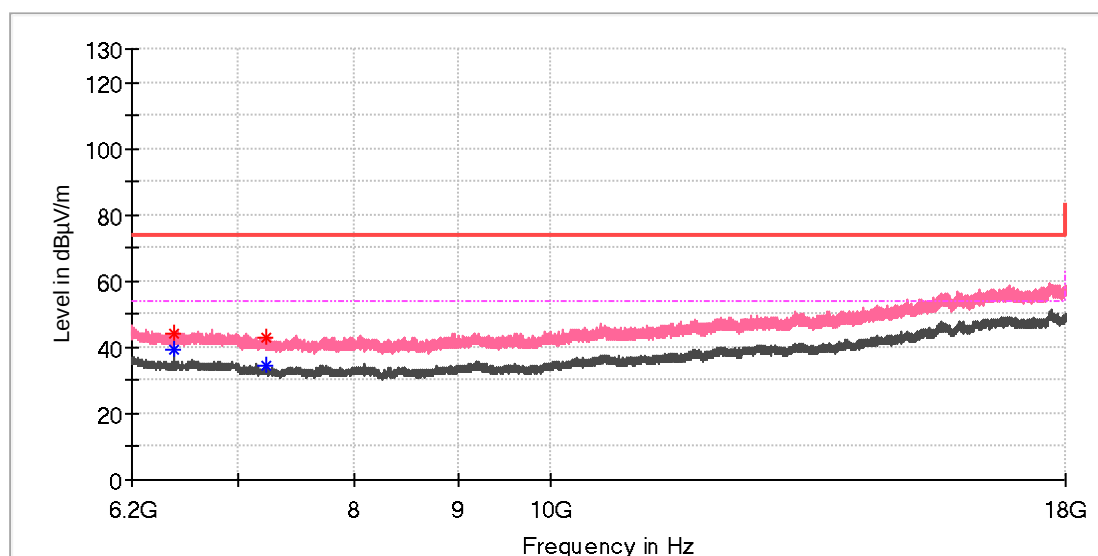
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Prüfbericht - Produkte

Test Report - Products

EUT Information

EUT Name: WIFI+BT module
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 Test Mode: BR_DH5_Low channel
 Order No/Sample No: 168365112/A003224451-001
 Test Voltage:: DC 5V From USB
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

**Critical_Freqs**

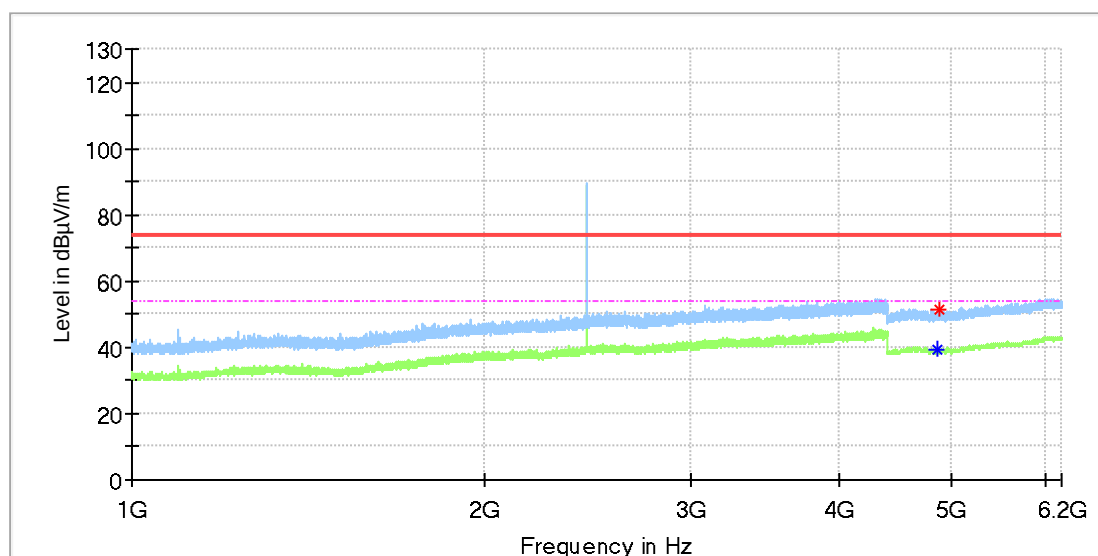
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6511.716667	44.37	---	74.00	29.63	100.0	V	120.0	8.8
6511.716667	---	39.23	54.00	14.77	100.0	V	120.0	8.8
7226.108333	43.05	---	74.00	30.95	100.0	V	359.0	8.7
7226.108333	---	34.41	54.00	19.59	100.0	V	359.0	8.7

Final_Result

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

EUT Name: WIFI+BT module
Model: DCT2VM2511
Test Mode: BR_DH5_Mid channel
Order No/Sample No: 168365112/A003224451-001
Test Voltage:: DC 5V From USB
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
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Critical_Freqs

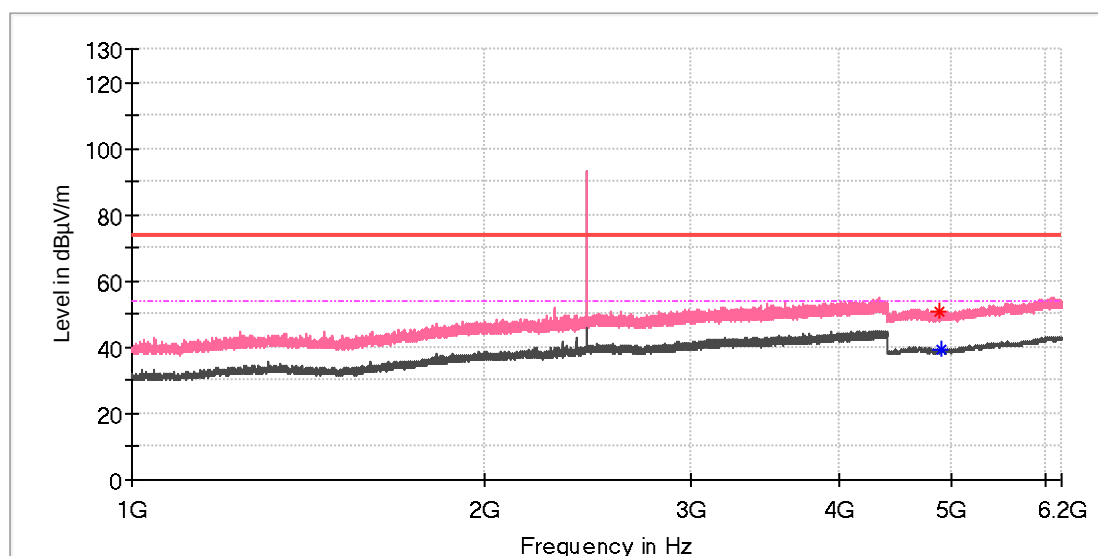
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4868.000000	---	39.34	54.00	14.66	100.0	H	332.0	11.8
4877.500000	51.26	---	74.00	22.74	100.0	H	195.0	11.8

Final Result

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

EUT Information

EUT Name: WIFI+BT module
Model: DCT2VM2511
Test Mode: BR_DH5_Mid channel
Order No/Sample No: 168365112/A003224451-001
Test Voltage:: DC 5V From USB
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
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Critical_Freqs

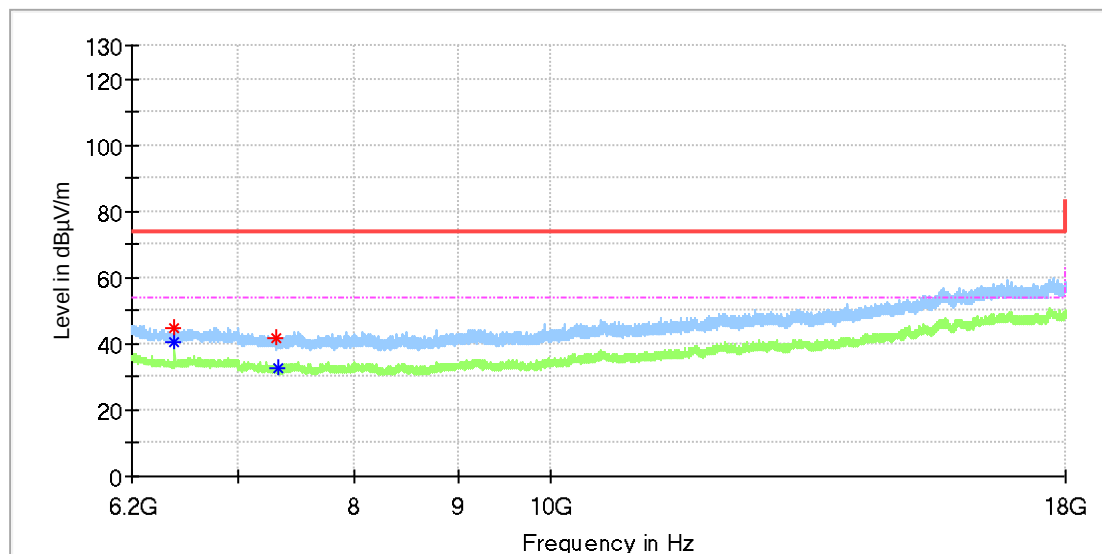
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4880.500000	50.92	---	74.00	23.08	100.0	V	308.0	11.8
4895.500000	---	39.34	54.00	14.66	100.0	V	177.0	11.8

Final Result

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

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Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
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Critical Freqs

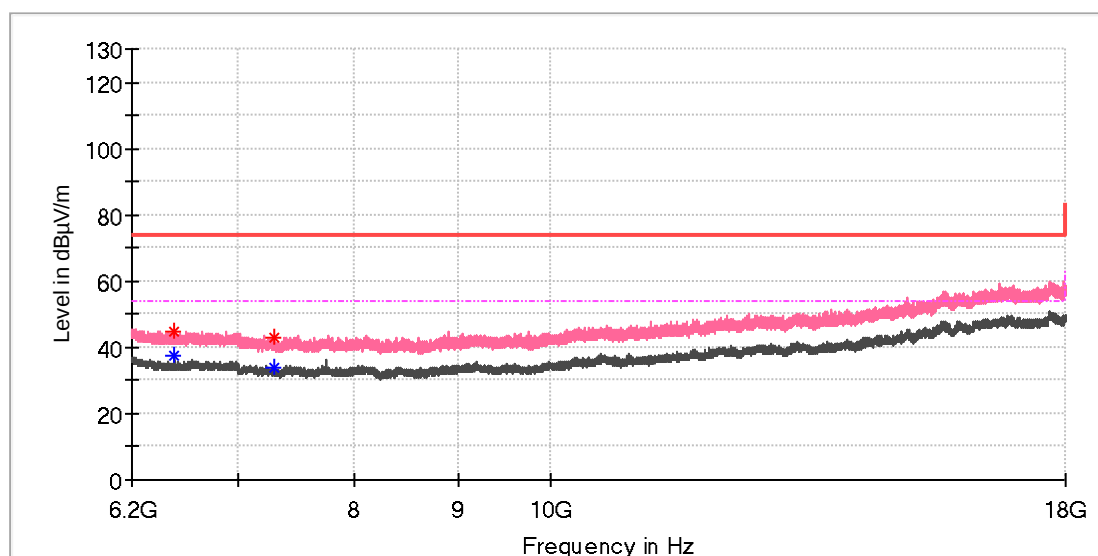
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6511.716667	44.83	---	74.00	29.17	100.0	H	308.0	8.8
6511.716667	---	40.53	54.00	13.47	100.0	H	308.0	8.8
7313.133333	41.76	---	74.00	32.24	100.0	H	294.0	8.2
7324.933333	---	32.77	54.00	21.23	100.0	H	98.0	8.2

Final Result

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

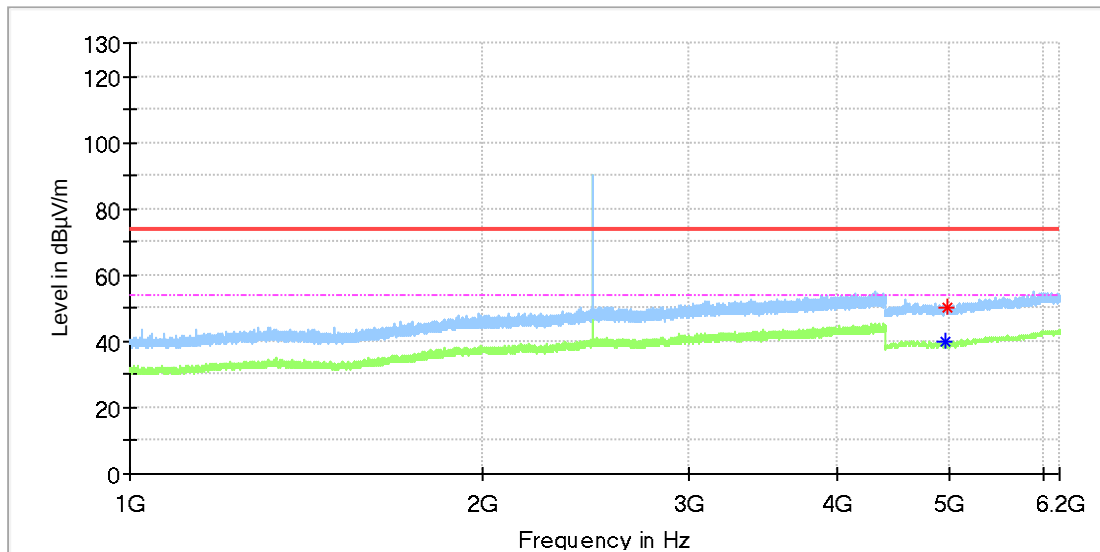
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6511.716667	44.45	---	74.00	29.55	100.0	V	120.0	8.8
6511.716667	---	37.68	54.00	16.32	100.0	V	120.0	8.8
7288.058333	43.00	---	74.00	31.00	100.0	V	144.0	8.4
7292.483333	---	33.92	54.00	20.08	100.0	V	339.0	8.3

Final_Result

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

EUT Name: WIFI+BT module
Model: DCT2VM2511
Test Mode: BR_DH5_High channel
Order No/Sample No: 168365112/A003224451-001
Test Voltage:: DC 5V From USB
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

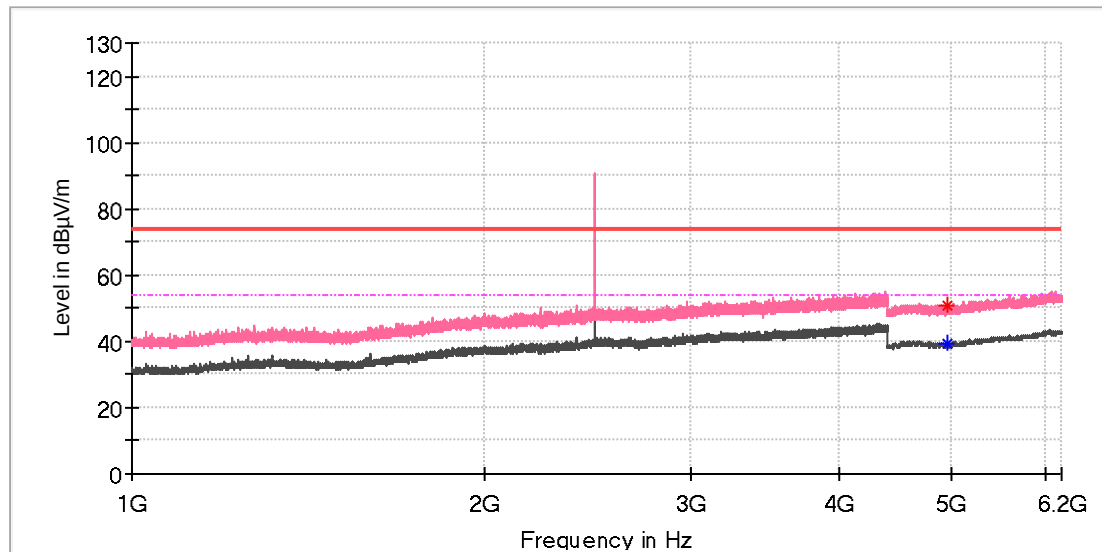
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4950.500000	---	39.62	54.00	14.38	100.0	H	131.0	11.8
4966.500000	50.35	---	74.00	23.65	100.0	H	184.0	11.8

Final_Result

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

EUT Information

EUT Name: WIFI+BT module
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Order No/Sample No: 168365112/A003224451-001
Test Voltage:: DC 5V From USB
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
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Critical_Freqs

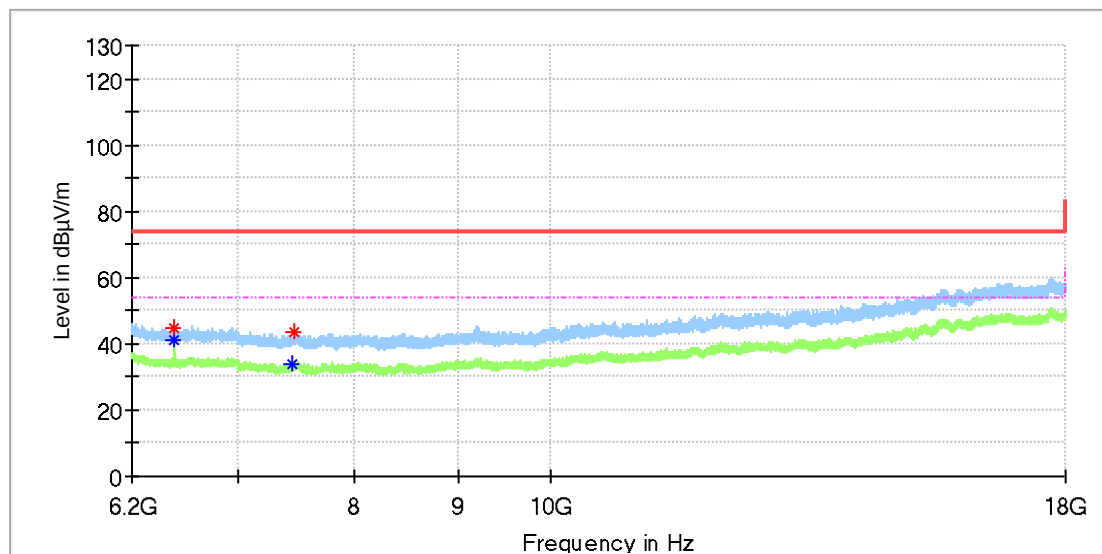
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4946.500000	---	39.22	54.00	14.78	100.0	V	340.0	11.8
4949.500000	50.58	---	74.00	23.42	100.0	V	359.0	11.8

Final_Result

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

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EUT Name:	WIFI+BT module
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Order No/Sample No:	168365112/A003224451-001
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Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
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Critical Freqs

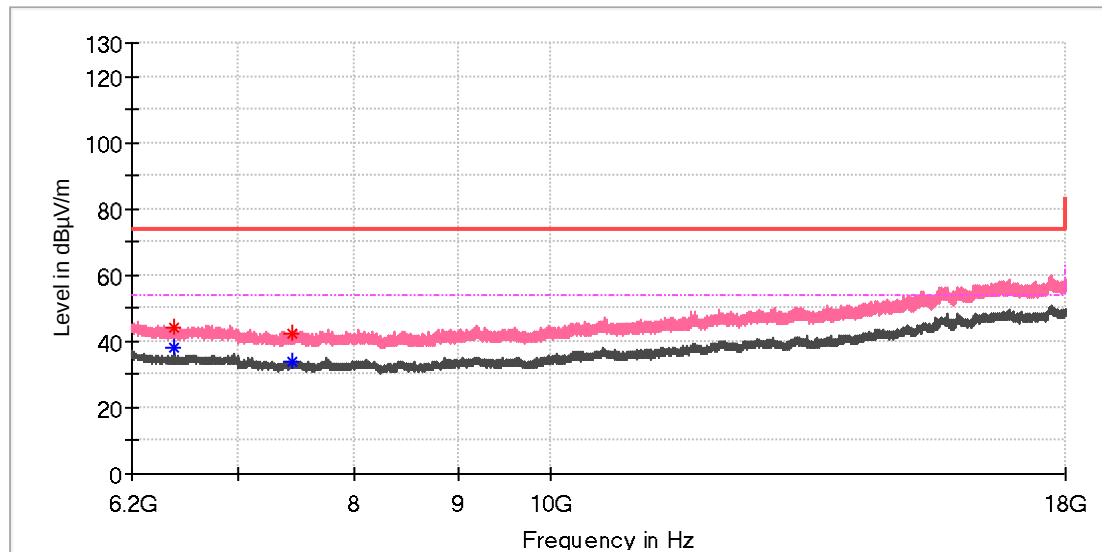
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6511.716667	44.95	---	74.00	29.05	100.0	H	105.0	8.8
6511.716667	---	41.02	54.00	12.98	100.0	H	105.0	8.8
7452.275000	---	33.64	54.00	20.36	100.0	H	335.0	8.5
7468.008333	43.68	---	74.00	30.32	100.0	H	258.0	8.6

Final Result

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

EUT Information

EUT Name: WIFI+BT module
Model: DCT2VM2511
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Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6511.716667	44.19	---	74.00	29.81	100.0	V	88.0	8.8
6511.716667	---	38.25	54.00	15.75	100.0	V	88.0	8.8
7443.425000	42.32	---	74.00	31.68	100.0	V	64.0	8.5
7444.408333	---	33.76	54.00	20.24	100.0	V	3.0	8.5

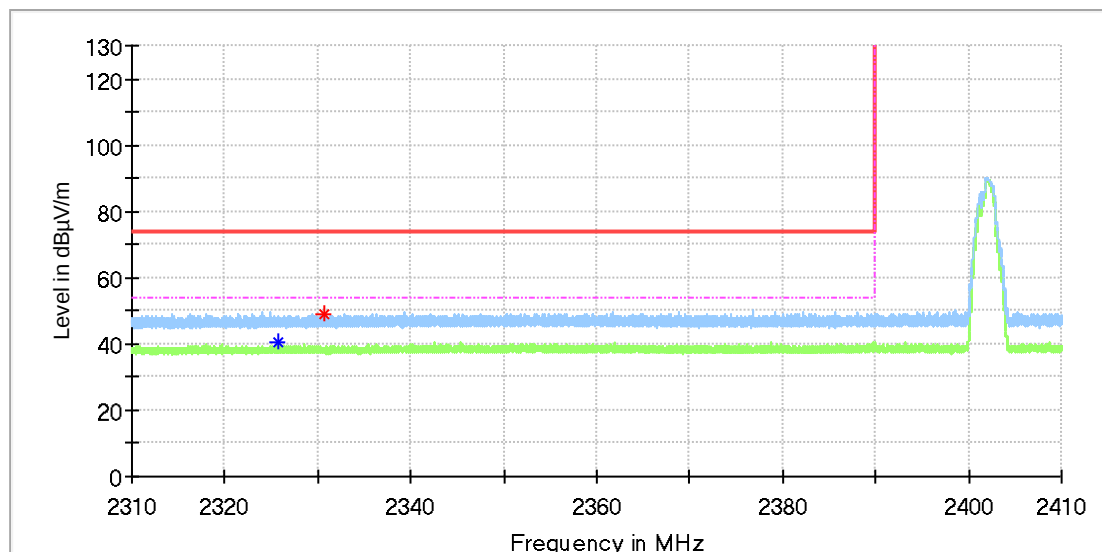
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.2: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	WIFI+BT module
Model:	DCT2VM2511
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168365112/A003224451-001
Test Voltage::	DC 5V From USB
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

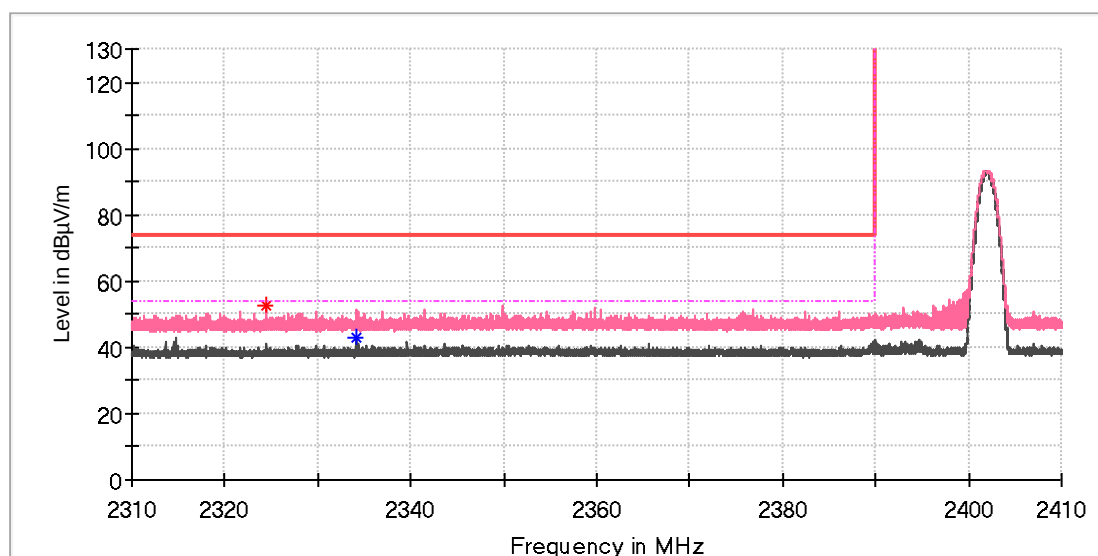
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2325.720000	---	40.24	54.00	13.76	100.0	H	151.0	6.7
2330.780000	49.23	---	74.00	24.77	100.0	H	119.0	6.7

Final Result

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

EUT Information

EUT Name: WIFI+BT module
Model: DCT2VM2511
Test Mode: BR_DH5_Low channel
Order No/Sample No: 168365112/A003224451-001
Test Voltage:: DC 5V From USB
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

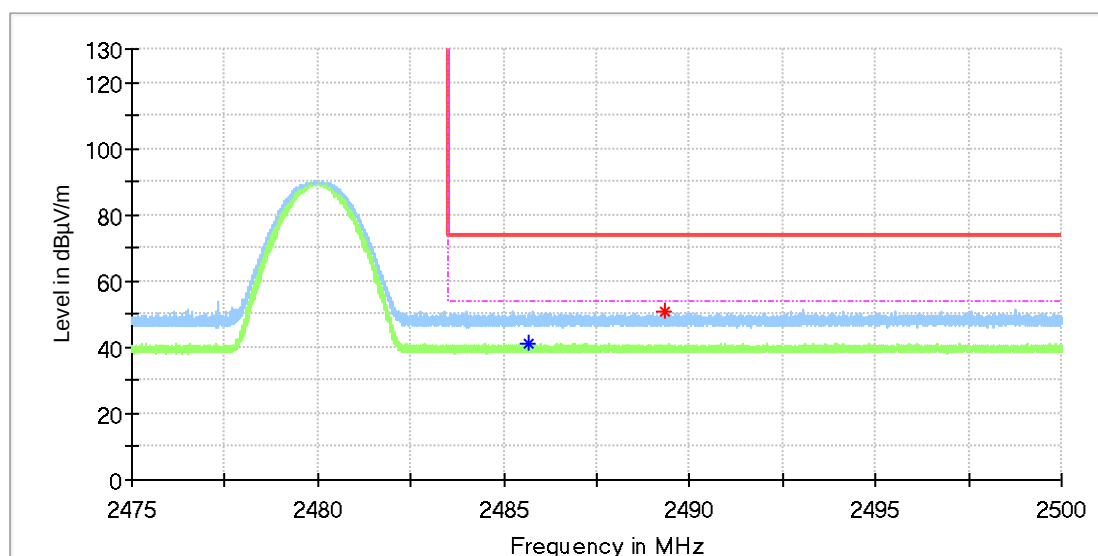
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2324.390000	52.76	---	74.00	21.24	100.0	V	144.0	6.6
2334.220000	---	42.76	54.00	11.24	100.0	V	274.0	6.7

Final Result

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

EUT Information

EUT Name: WIFI+BT module
Model: DCT2VM2511
Test Mode: BR_DH5_High channel
Order No/Sample No: 168365112/A003224451-001
Test Voltage:: DC 5V From USB
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

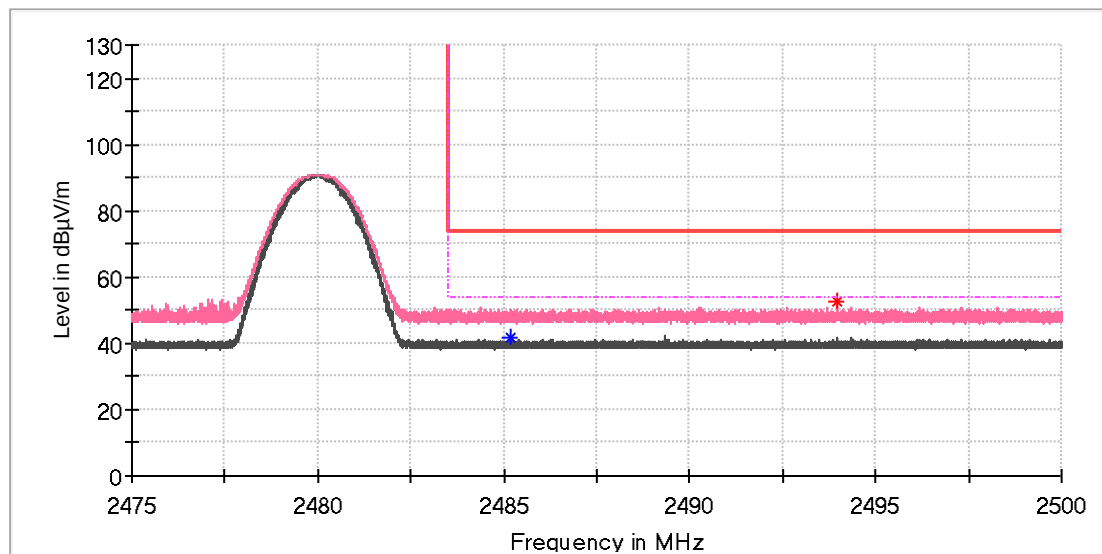
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.665000	---	40.93	54.00	13.07	100.0	H	33.0	7.4
2489.350000	50.65	---	74.00	23.35	100.0	H	338.0	7.4

Final Result

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

EUT Information

EUT Name: WIFI+BT module
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Test Mode: BR_DH5_High channel
Order No/Sample No: 168365112/A003224451-001
Test Voltage:: DC 5V From USB
Remark: Temp 22 Humi:55%
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)
2485.170000	---	41.93	54.00	12.07	100.0	V	133.0	7.4
2493.986250	52.86	---	74.00	21.14	100.0	V	274.0	7.4

Final Result

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