

Appendix B: Test Results of Bluetooth LE

APPENDIX B: TEST RESULTS OF BLUETOOTH LE	1
APPENDIX B.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
APPENDIX B.2: TEST RESULTS OF 6dB BANDWIDTH	5
APPENDIX B.3: TEST RESULTS OF 99% BANDWIDTH	8
APPENDIX B.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	11
<i>Band Edge</i>	11
<i>Conducted Spurious Emission</i>	13
APPENDIX B.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	20
30 MHz - 1GHz	20
1GHz - 18GHz	22
APPENDIX B.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	34

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

TestMode	Antenna	Channel	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.73	≤8.00	PASS
		2440	-8.72	≤8.00	PASS
		2480	-8.65	≤8.00	PASS
BLE_2M	Ant1	2402	-10.79	≤8.00	PASS
		2440	-10.85	≤8.00	PASS
		2480	-11.12	≤8.00	PASS

BLE_1M_Ant1_2402



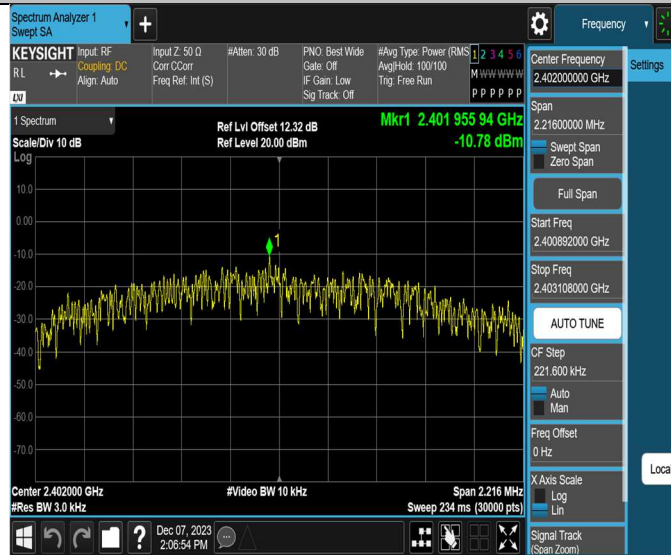
BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



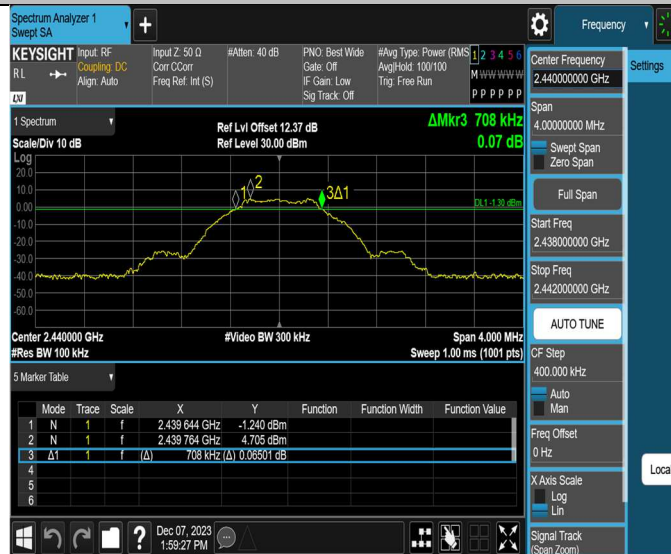
Appendix B.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.652	2402.340	0.5	PASS
		2440	0.708	2439.644	2440.352	0.5	PASS
		2480	0.676	2479.664	2480.340	0.5	PASS
BLE_2M	Ant1	2402	1.108	2401.460	2402.568	0.5	PASS
		2440	1.252	2439.344	2440.596	0.5	PASS
		2480	1.232	2479.356	2480.588	0.5	PASS

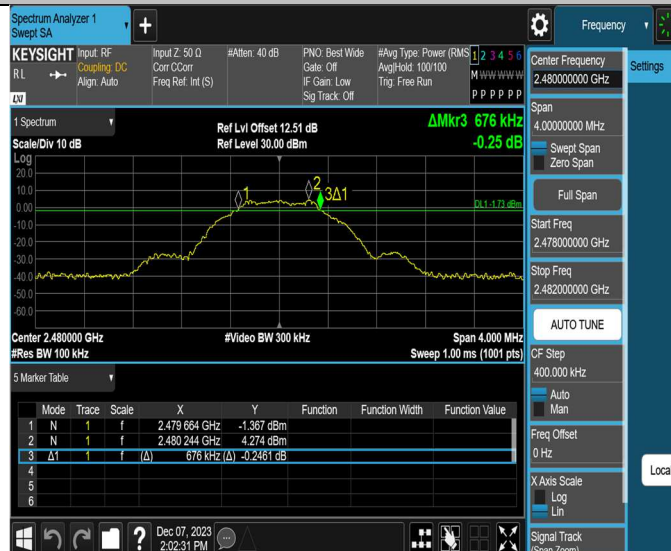
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



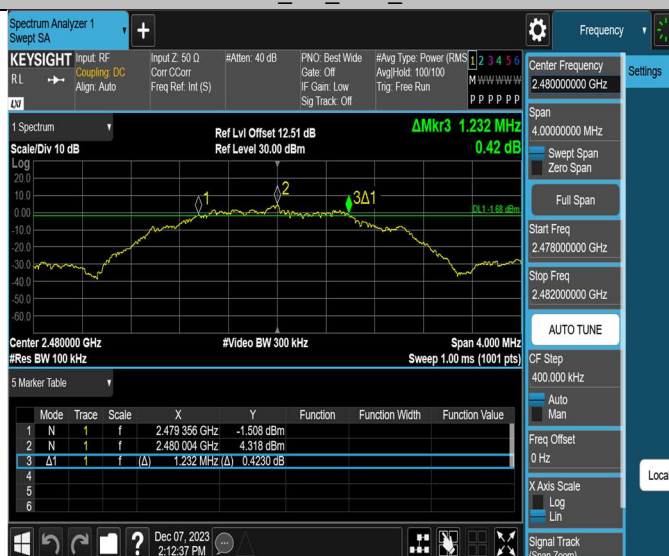
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0412	2401.4902	2402.5314	---	PASS
		2440	1.0448	2439.4863	2440.5311	---	PASS
		2480	1.0418	2479.4864	2480.5282	---	PASS
BLE_2M	Ant1	2402	2.0834	2400.9769	2403.0603	---	PASS
		2440	2.0835	2438.9739	2441.0574	---	PASS
		2480	2.0791	2478.9787	2481.0578	---	PASS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

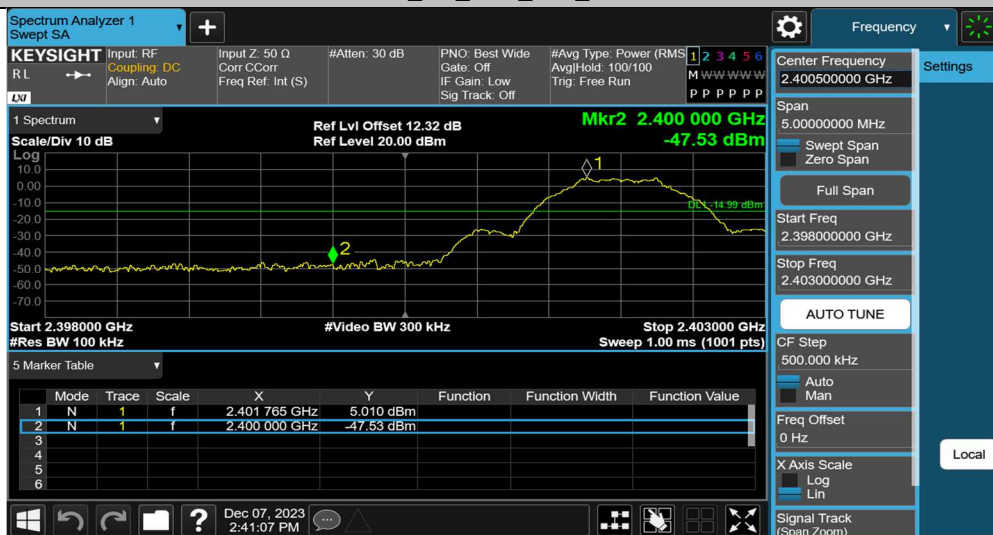


Appendix B.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

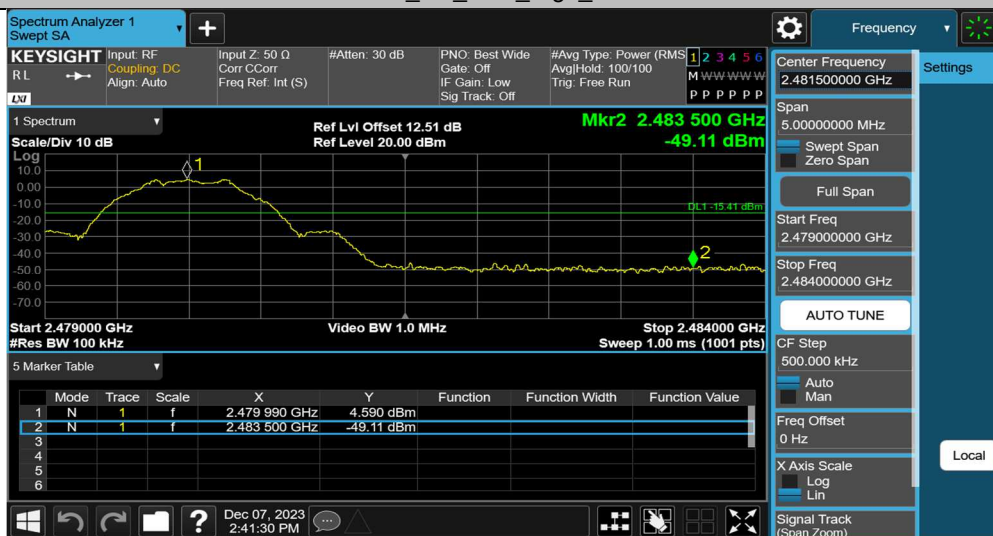
Band Edge

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.01	-47.53	≤-14.99	PASS
		High	2480	4.59	-49.11	≤-15.41	PASS
BLE_2M	Ant1	Low	2402	5.024	-29.95	≤-14.98	PASS
		High	2480	4.882	-49.37	≤-15.12	PASS

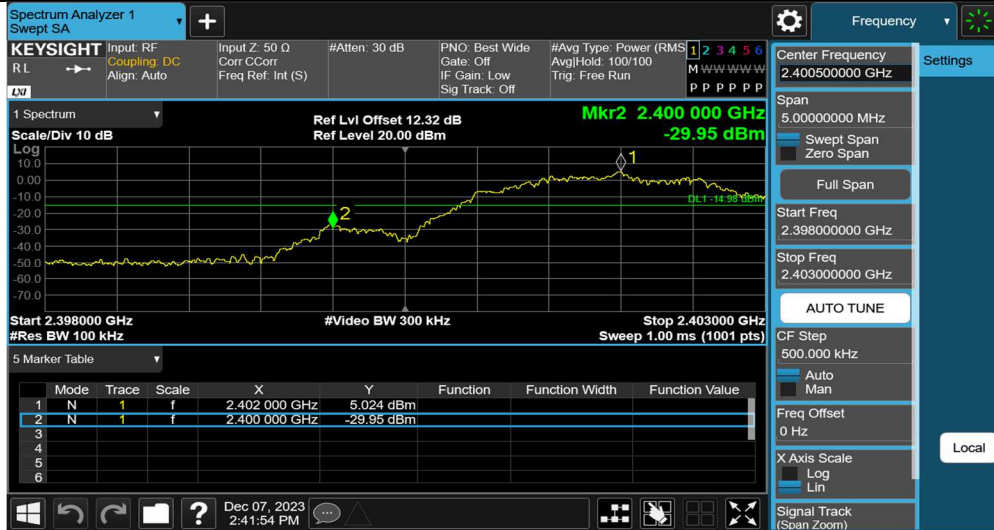
BLE_1M_Ant1_Low_2402



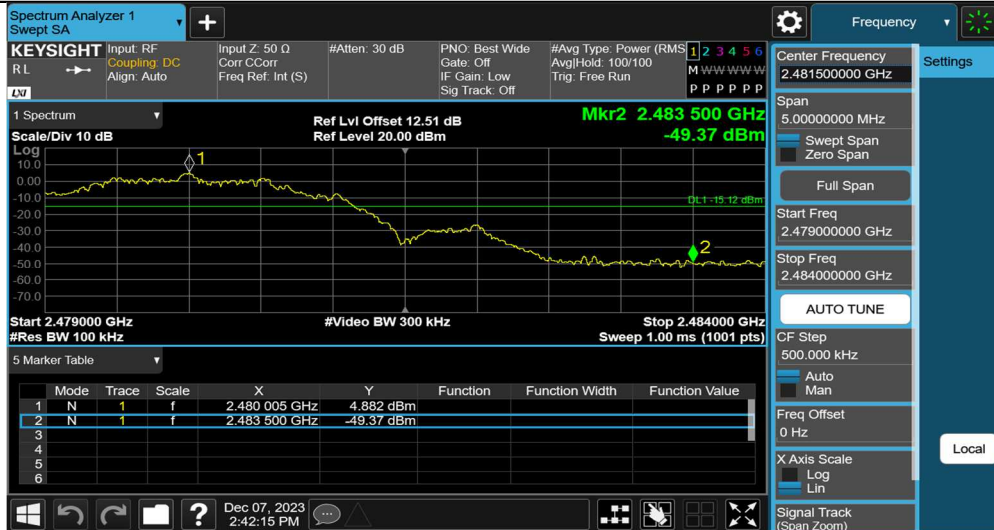
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480



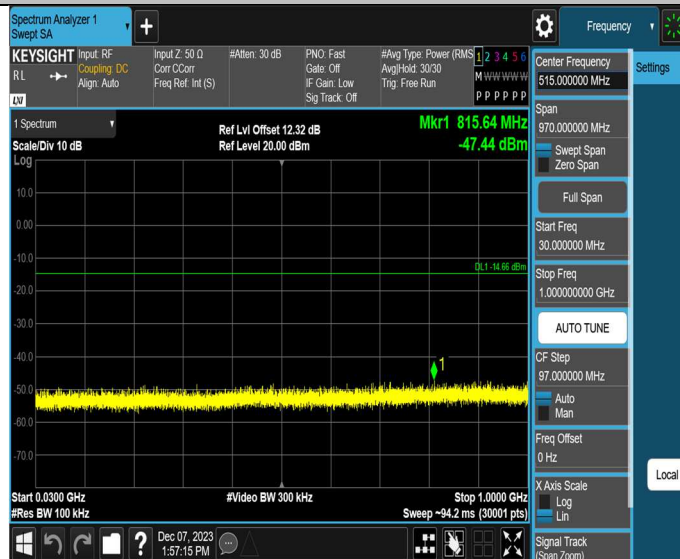
Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.34	5.34	---	PASS
			30~1000	5.34	-47.44	≤-14.66	PASS
			1000~26500	5.34	-37.54	≤-14.66	PASS
		2440	Reference	5.36	5.36	---	PASS
			30~1000	5.36	-46.97	≤-14.64	PASS
			1000~26500	5.36	-37.74	≤-14.64	PASS
		2480	Reference	5.09	5.09	---	PASS
			30~1000	5.09	-46.92	≤-14.91	PASS
			1000~26500	5.09	-37.75	≤-14.91	PASS
BLE_2M	Ant1	2402	Reference	3.77	3.77	---	PASS
			30~1000	3.77	-47.66	≤-16.23	PASS
			1000~26500	3.77	-38.35	≤-16.23	PASS
		2440	Reference	4.78	4.78	---	PASS
			30~1000	4.78	-48.09	≤-15.22	PASS
			1000~26500	4.78	-37.9	≤-15.22	PASS
		2480	Reference	4.95	4.95	---	PASS
			30~1000	4.95	-47.41	≤-15.05	PASS
			1000~26500	4.95	-37.24	≤-15.05	PASS

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



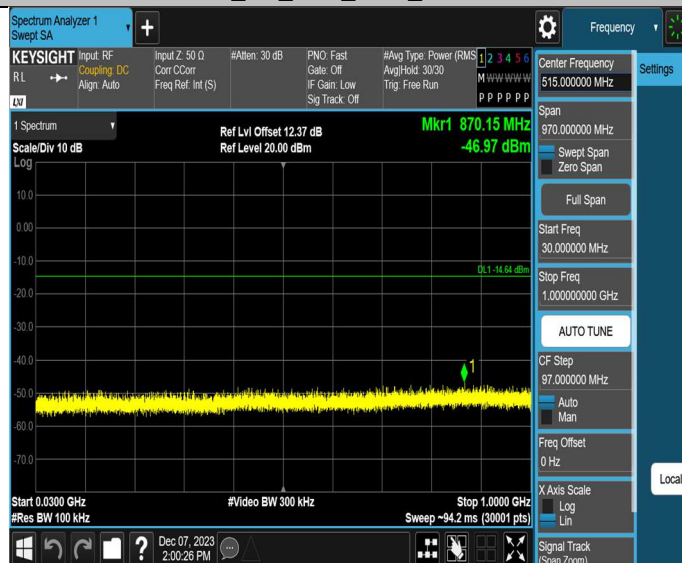
BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



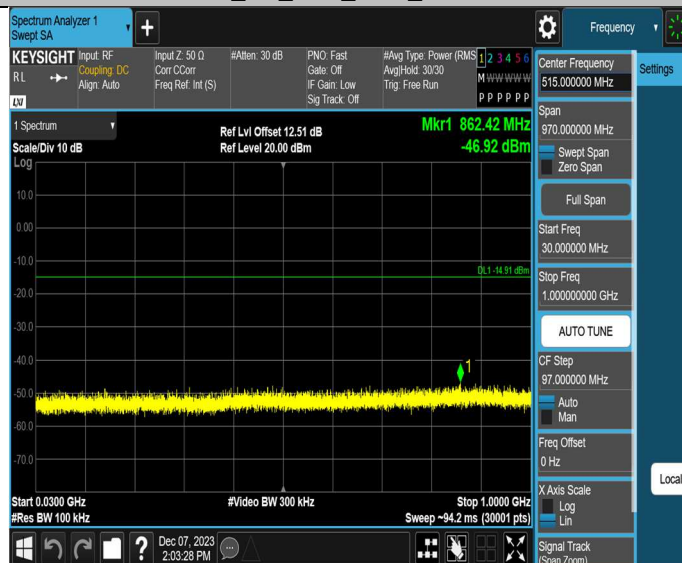
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



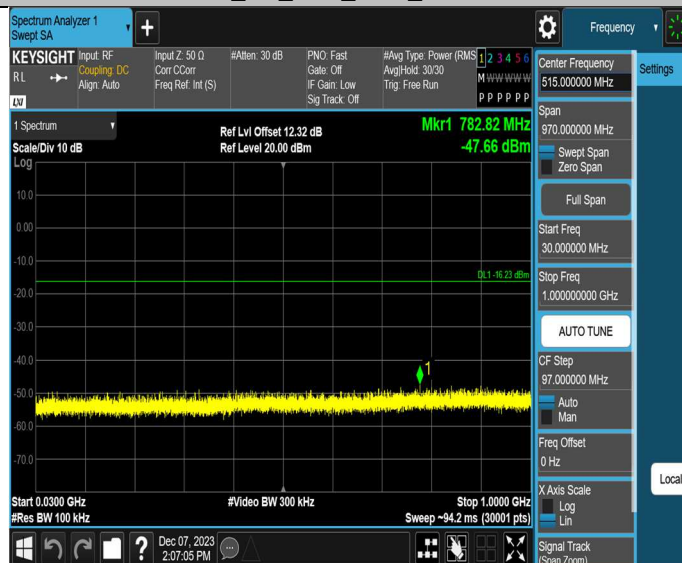
BLE_1M_Ant1_2480_1000~26500



BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



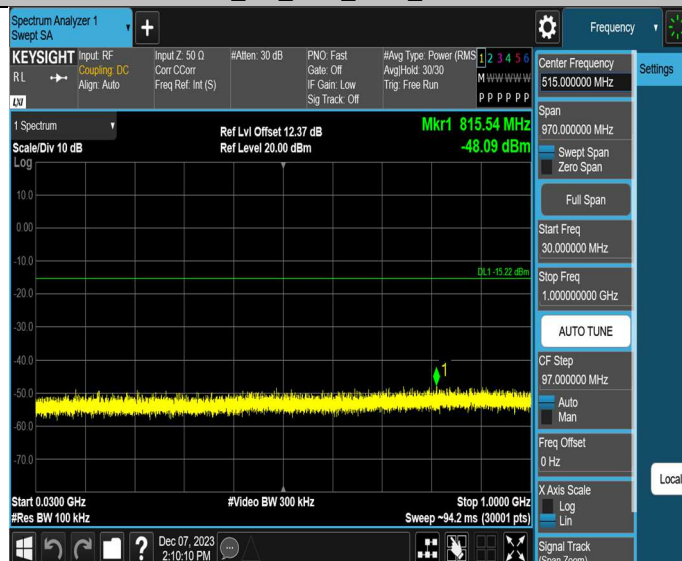
BLE_2M_Ant1_2402_1000~26500



BLE_2M_Ant1_2440_0~Reference



BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500



BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500



Appendix B.5: Test Results of Radiated Spurious Emissions

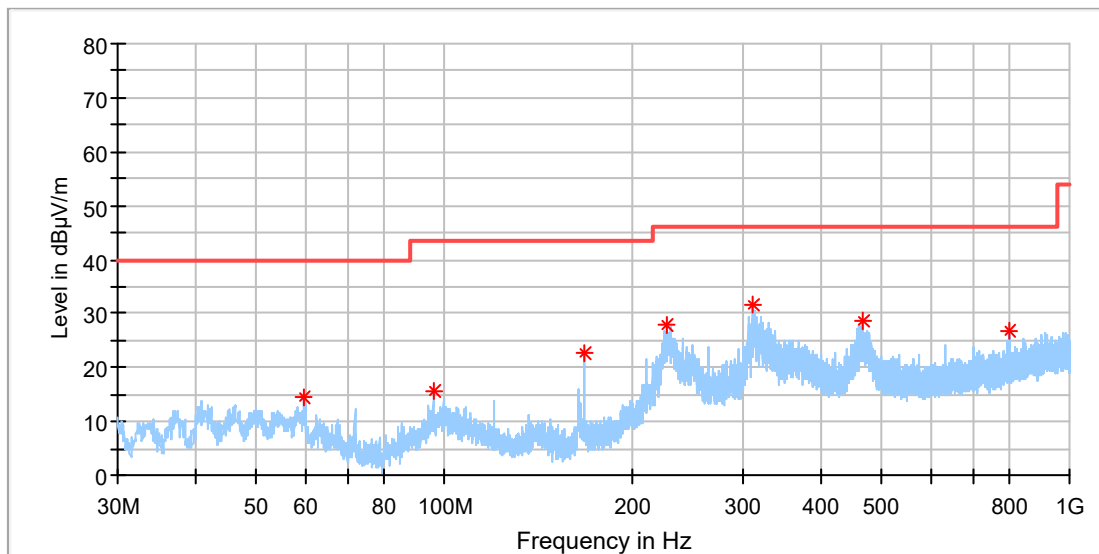
Note:

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

30 MHz - 1GHz

EUT Information

EUT Name:	WIFI+BT Module
Model:	WXT5EM2511
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

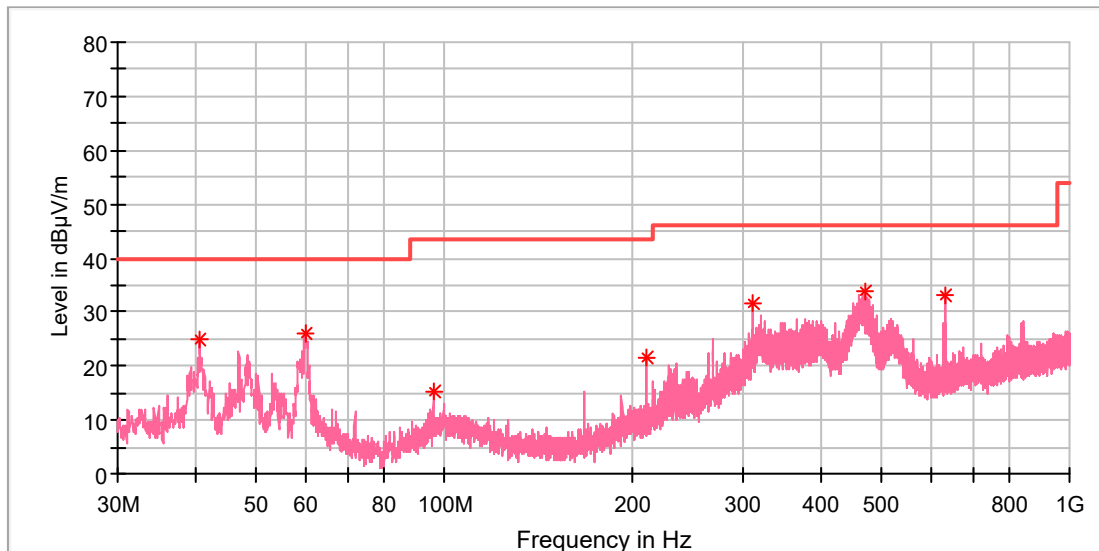


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.473077	14.60	40.00	25.40	100.0	H	297.0	-19.2
95.997308	15.58	43.50	27.92	100.0	H	15.0	-19.9
168.001154	22.72	43.50	20.78	100.0	H	254.0	-21.7
226.872692	27.96	46.00	18.04	100.0	H	15.0	-18.6
312.008846	31.50	46.00	14.50	100.0	H	70.0	-16.3
466.686539	28.61	46.00	17.39	100.0	H	306.0	-12.9
799.695000	26.82	46.00	19.18	100.0	H	254.0	-6.8

EUT Information

EUT Name: WIFI+BT Module
Model: WXT5EM2511
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168451684/A003594964-001
Test Voltage: DC 5V From USB
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

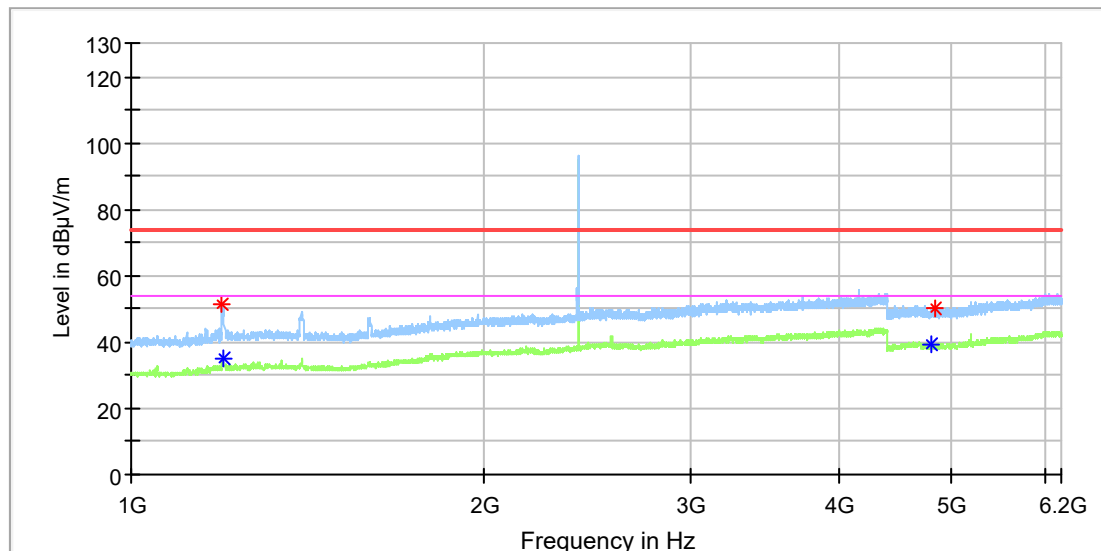
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
40.632692	25.05	40.00	14.95	100.0	V	248.0	-20.2
59.920769	26.10	40.00	13.90	100.0	V	106.0	-19.3
95.997308	15.32	43.50	28.18	100.0	V	322.0	-19.9
210.345385	21.40	43.50	22.10	100.0	V	329.0	-19.2
312.008846	31.79	46.00	14.21	100.0	V	329.0	-16.3
472.170769	33.88	46.00	12.12	100.0	V	264.0	-12.8
631.101539	32.96	46.00	13.04	100.0	V	222.0	-9.7

1GHz - 18GHz

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

EUT Information

EUT Name:	WIFI+BT Module
Model:	WXT5EM2511
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

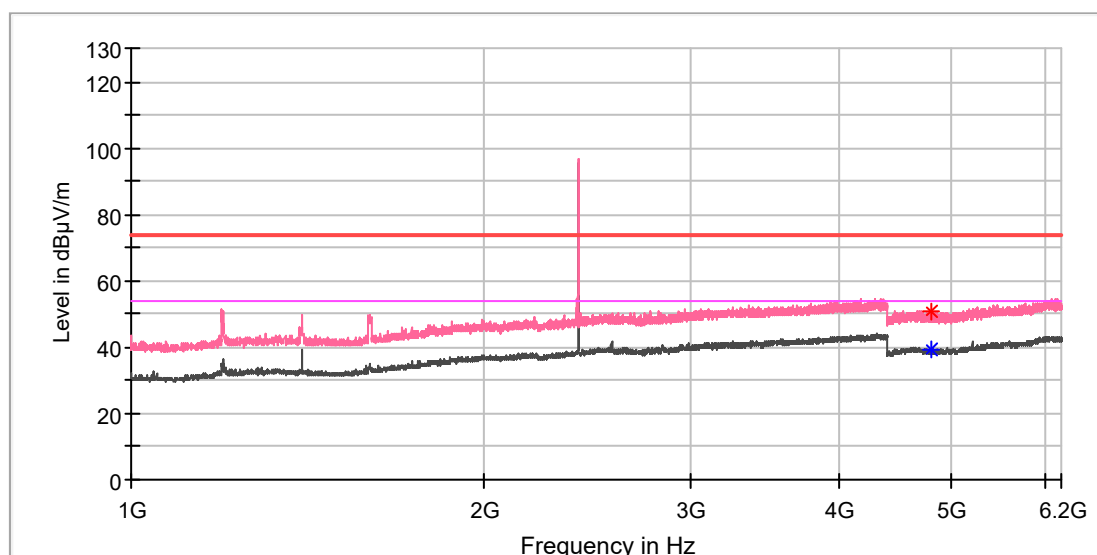
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.500000	51.37	---	74.00	22.63	100.0	H	188.0	1.1
1196.000000	---	34.83	54.00	19.17	100.0	H	188.0	1.1
4809.500000	---	39.14	54.00	14.86	100.0	H	68.0	11.8
4836.000000	50.31	---	74.00	23.69	100.0	H	137.0	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:	WXT5EM2511
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

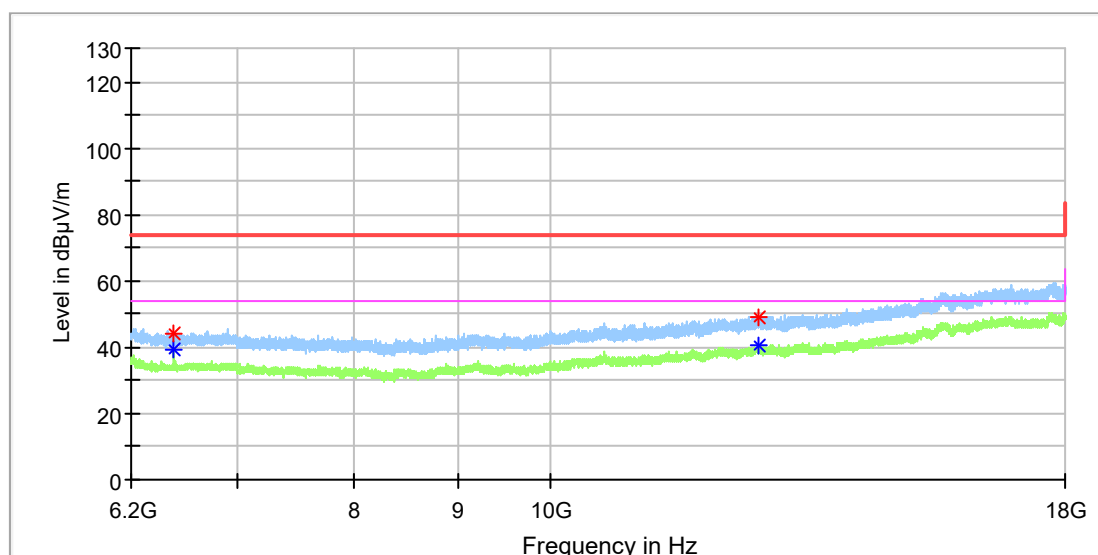
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4807.000000	---	39.56	54.00	14.44	100.0	V	25.0	11.8
4807.500000	50.66	---	74.00	23.34	100.0	V	83.0	11.8

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:	WXT5EM2511
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
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Critical_Freqs

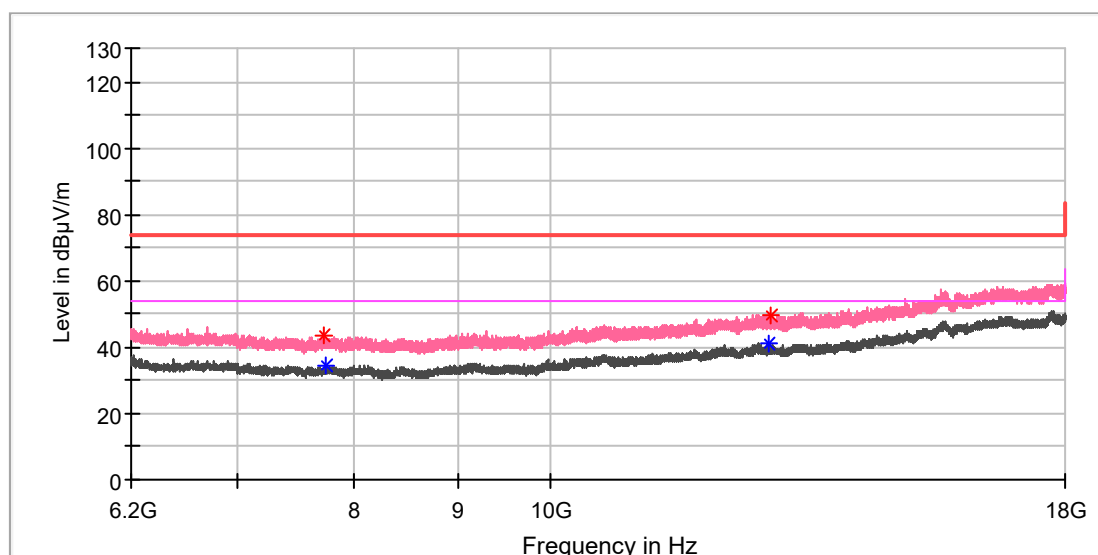
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6511.716667	44.44	---	74.00	29.56	100.0	H	0.0	8.8
6511.716667	---	39.19	54.00	14.81	100.0	H	0.0	8.8
12681.150000	---	40.46	54.00	13.54	100.0	H	334.0	15.1
12687.050000	49.03	---	74.00	24.97	100.0	H	357.0	15.1

Final_Result

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

EUT Information

EUT Name:	WIFI+BT Module
Model:	WXT5EM2511
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

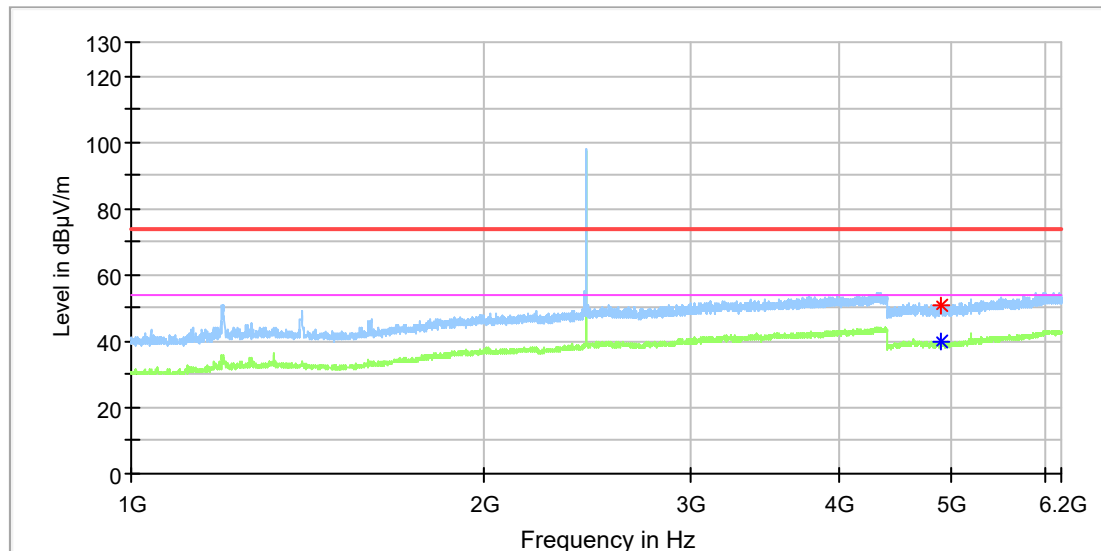
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7718.758333	43.40	---	74.00	30.60	100.0	V	25.0	8.7
7735.966667	---	34.40	54.00	19.60	100.0	V	156.0	8.8
12829.633333	---	40.84	54.00	13.16	100.0	V	59.0	15.3
12850.775000	49.31	---	74.00	24.69	100.0	V	48.0	15.4

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
Model: WXT5EM2511
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168451684/A003594964-001
Test Voltage: DC 5V From USB
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

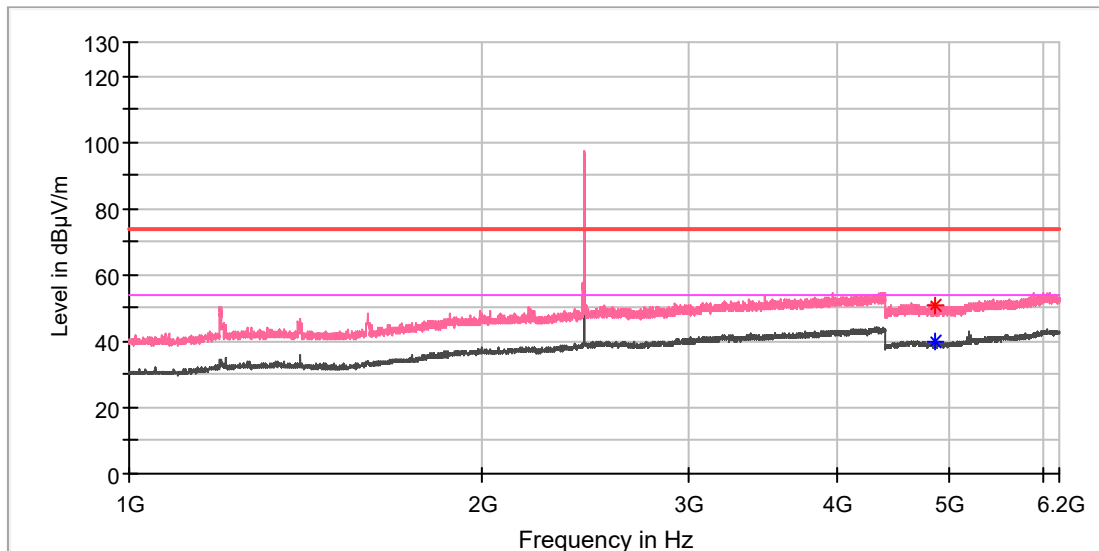
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4895.000000	---	39.65	54.00	14.35	100.0	H	27.0	11.8
4897.500000	50.63	---	74.00	23.37	100.0	H	214.0	11.8

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: WXT5EM2511
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168451684/A003594964-001
Test Voltage: DC 5V From USB
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

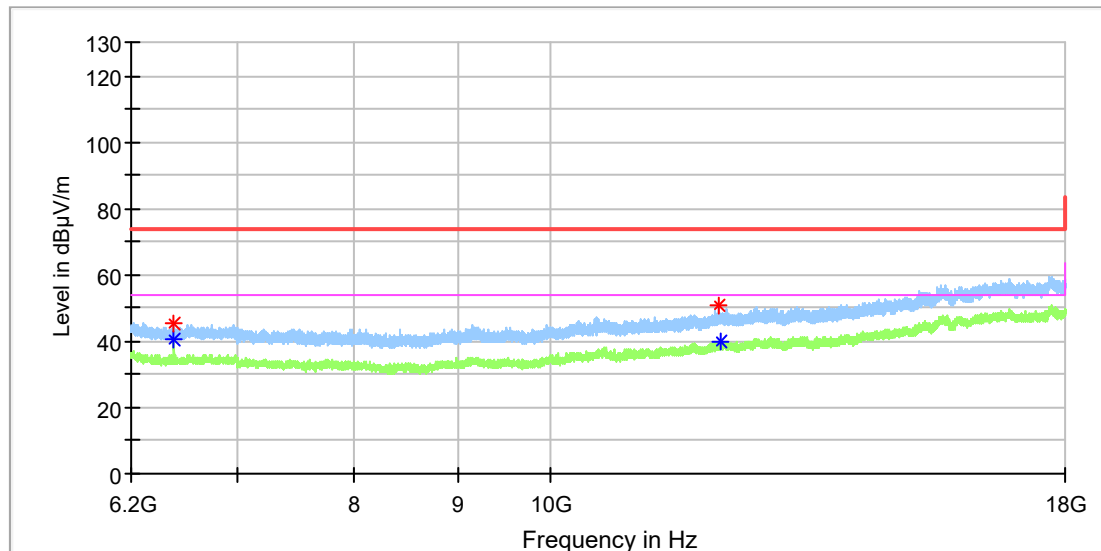
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4849.500000	50.81	---	74.00	23.19	100.0	V	59.0	11.8
4850.000000	---	39.63	54.00	14.37	100.0	V	59.0	11.8

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: WXT5EM2511
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168451684/A003594964-001
Test Voltage: DC 5V From USB
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

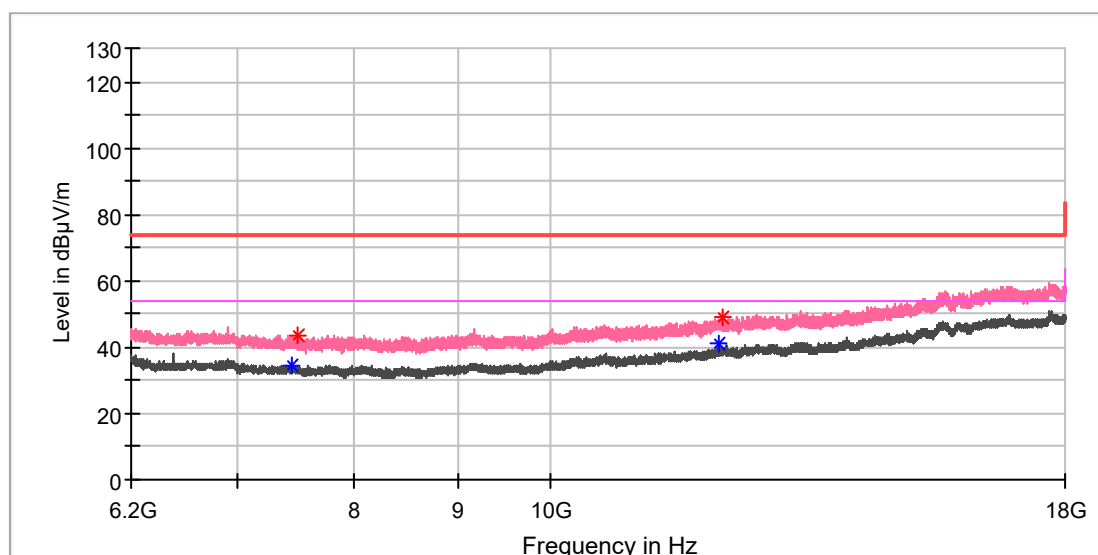
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6511.716667	45.26	---	74.00	28.74	100.0	H	6.0	8.8
6511.716667	---	40.57	54.00	13.43	100.0	H	6.0	8.8
12130.483333	50.70	---	74.00	23.30	100.0	H	265.0	14.3
12154.575000	---	40.06	54.00	13.94	100.0	H	0.0	14.4

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
Model:	WXT5EM2511
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

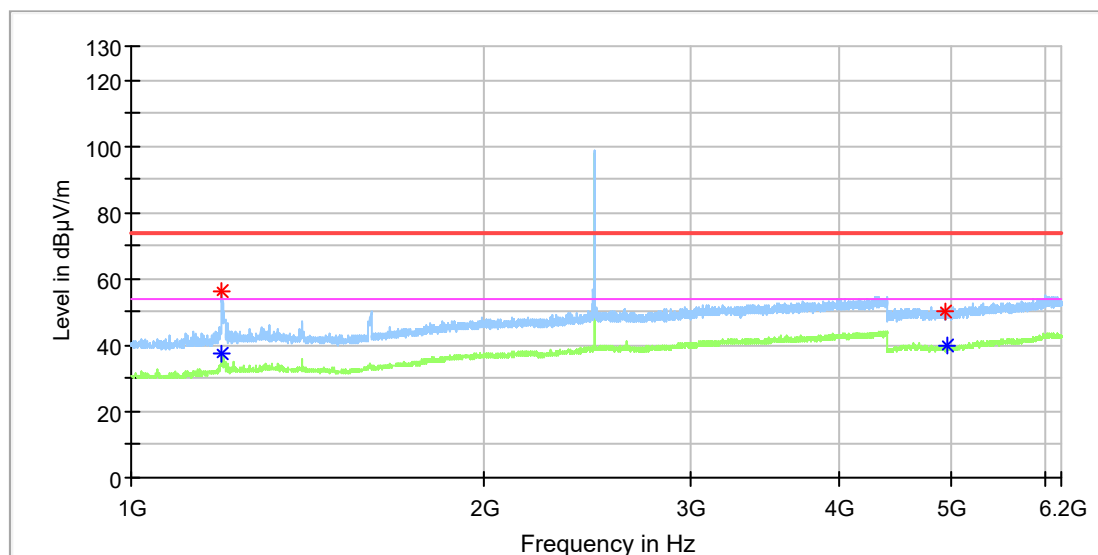
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7450.800000	---	34.57	54.00	19.43	100.0	V	107.0	8.5
7500.458333	43.63	---	74.00	30.37	100.0	V	0.0	8.7
12126.550000	---	40.87	54.00	13.13	100.0	V	8.0	14.3
12180.141667	49.18	---	74.00	24.82	100.0	V	355.0	14.6

Final_Result

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

EUT Information

EUT Name:	WIFI+BT Module
Model:	WXT5EM2511
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

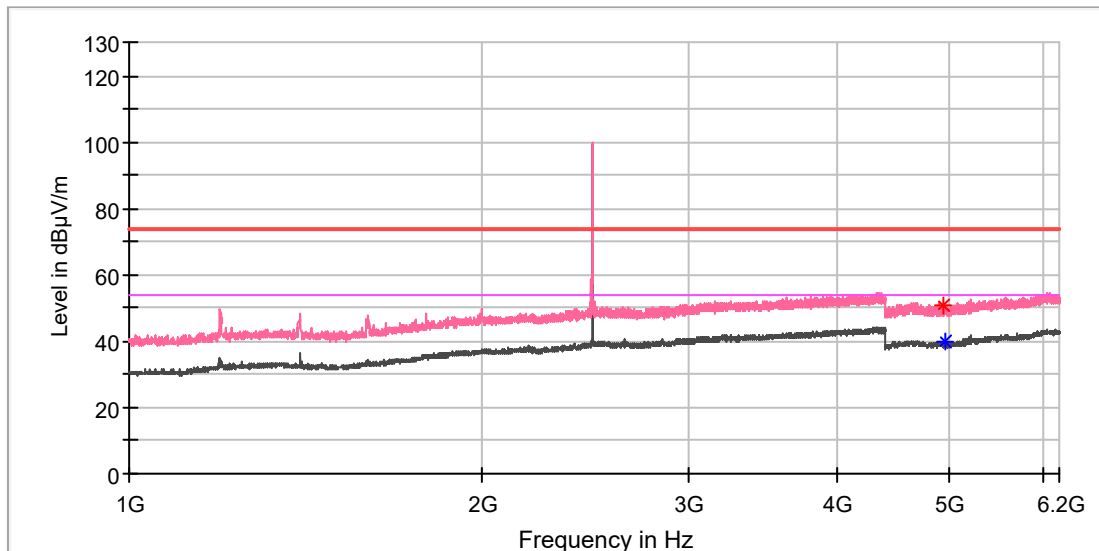
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1194.500000	---	37.52	54.00	16.48	100.0	H	278.0	1.1
1194.500000	56.24	---	74.00	17.76	100.0	H	278.0	1.1
4938.500000	50.47	---	74.00	23.53	100.0	H	31.0	11.8
4951.500000	---	39.68	54.00	14.32	100.0	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: WIFI+BT Module
Model: WXT5EM2511
Test Mode: BLE 1M_High channel
Order No/Sample No: 168451684/A003594964-001
Test Voltage: DC 5V From USB
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

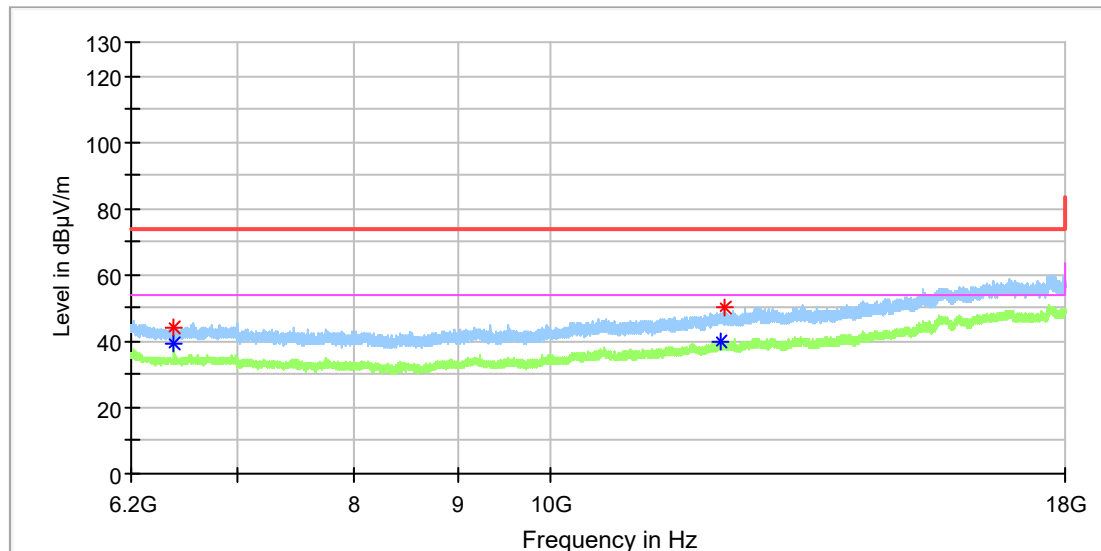
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4944.500000	50.66	---	74.00	23.34	100.0	V	22.0	11.8
4956.000000	---	39.75	54.00	14.25	100.0	V	190.0	11.8

Final_Result

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

EUT Information

EUT Name:	WIFI+BT Module
Model:	WXT5EM2511
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

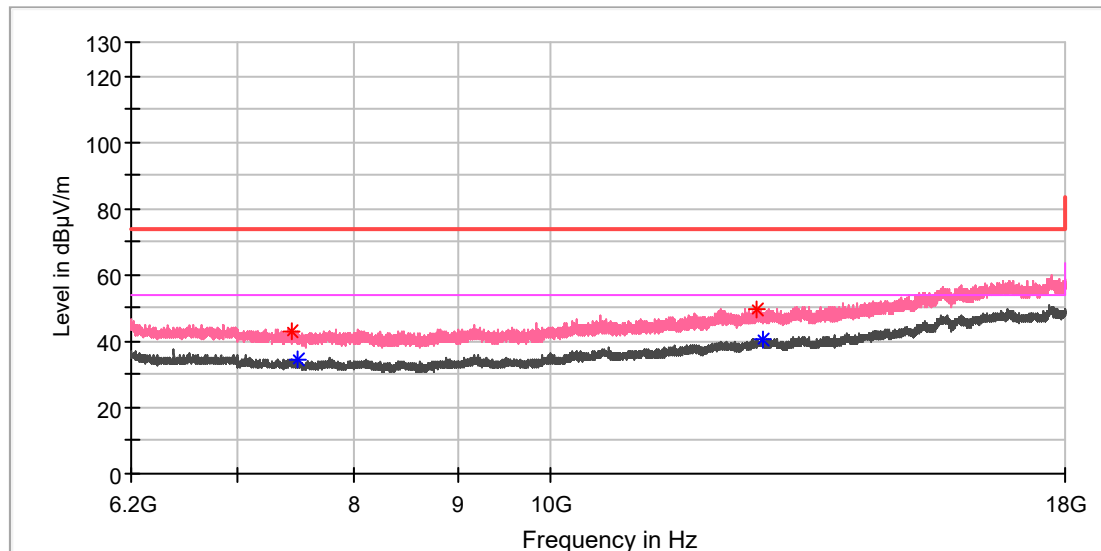
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6511.716667	---	39.14	54.00	14.86	100.0	H	4.0	8.8
6512.208333	44.25	---	74.00	29.75	100.0	H	0.0	8.8
12145.725000	---	39.96	54.00	14.04	100.0	H	15.0	14.4
12191.941667	50.05	---	74.00	23.95	100.0	H	0.0	14.6

Final_Result

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

EUT Information

EUT Name: WIFI+BT Module
Model: WXT5EM2511
Test Mode: BLE 1M_High channel
Order No/Sample No: 168451684/A003594964-001
Test Voltage: DC 5V From USB
Remark: Temp 22 Humi:52%
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)
7444.900000	43.20	---	74.00	30.80	100.0	V	349.0	8.5
7492.100000	---	34.66	54.00	19.34	100.0	V	337.0	8.7
12648.208333	49.33	---	74.00	24.67	100.0	V	90.0	15.0
12732.283333	---	40.50	54.00	13.50	100.0	V	103.0	15.2

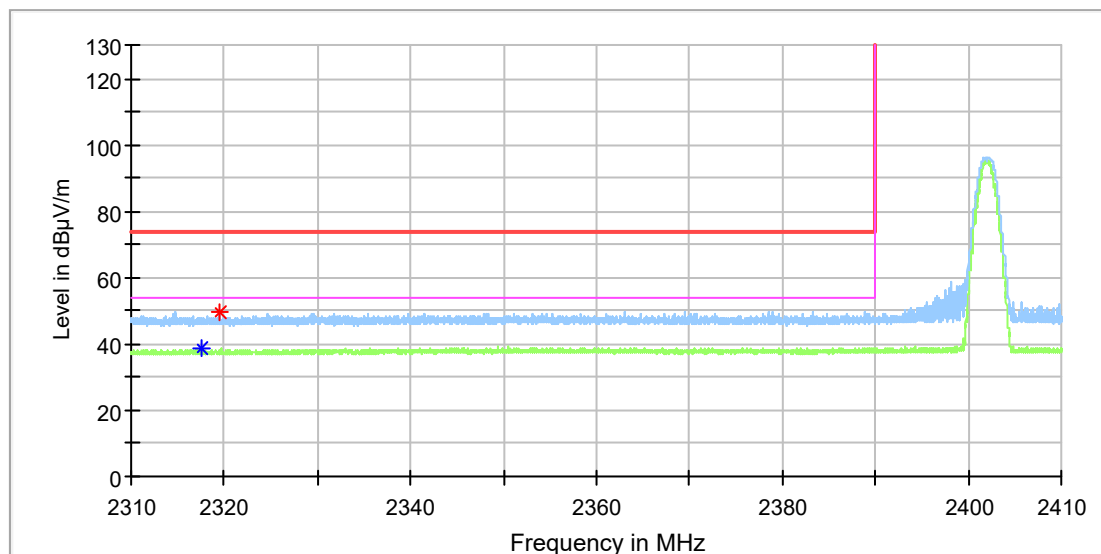
Final_Result

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

EUT Information

EUT Name:	WIFI+BT Module
Model:	WXT5EM2511
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

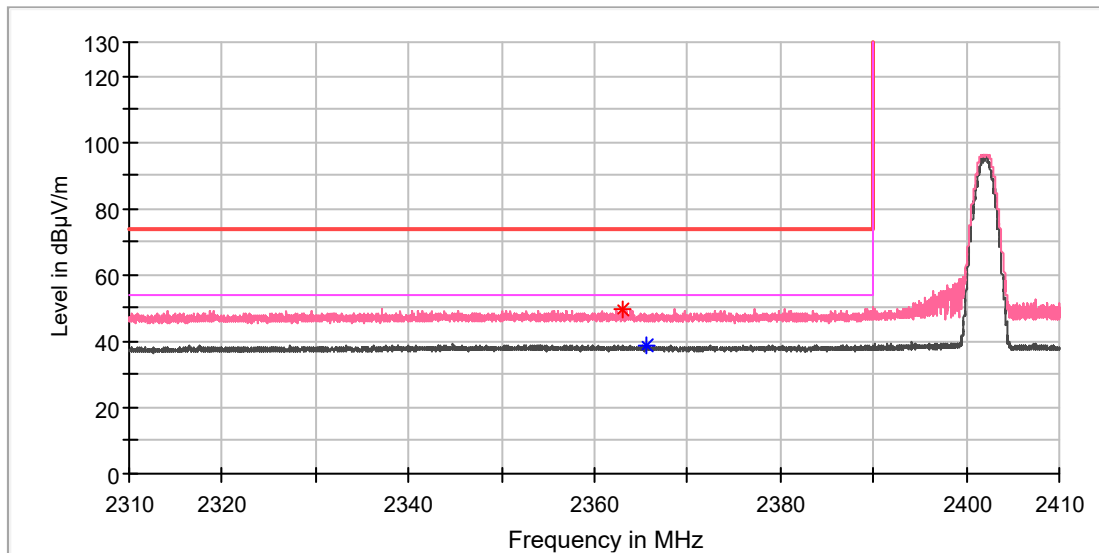
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2317.485294	---	38.46	54.00	15.54	100.0	H	25.0	6.6
2319.544118	49.76	---	74.00	24.24	100.0	H	295.0	6.6

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:	WXT5EM2511
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

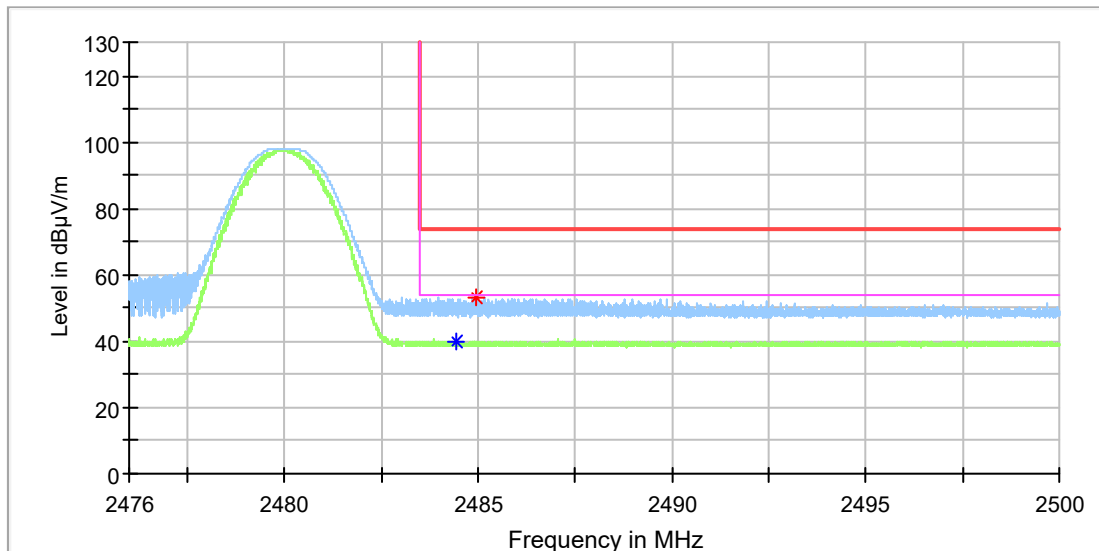
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2362.926471	49.74	---	74.00	24.26	100.0	V	122.0	6.9
2365.602941	---	38.68	54.00	15.32	100.0	V	15.0	6.9

Final_Result

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

EUT Information

EUT Name:	WIFI+BT Module
Model:	WXT5EM2511
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

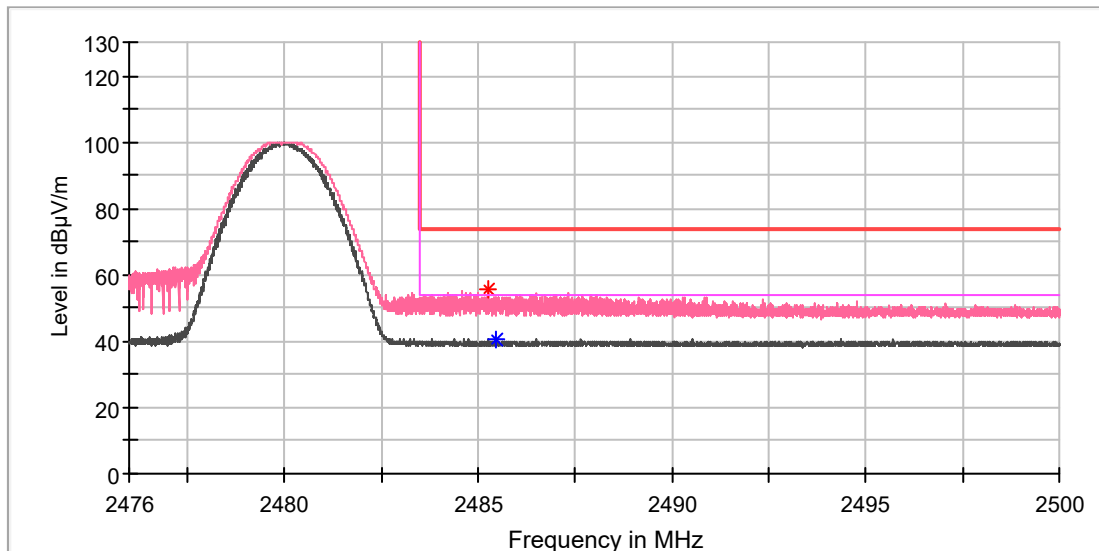
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.410588	---	40.20	54.00	13.80	100.0	H	0.0	7.4
2484.947059	53.31	---	74.00	20.69	100.0	H	85.0	7.4

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
Model:	WXT5EM2511
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

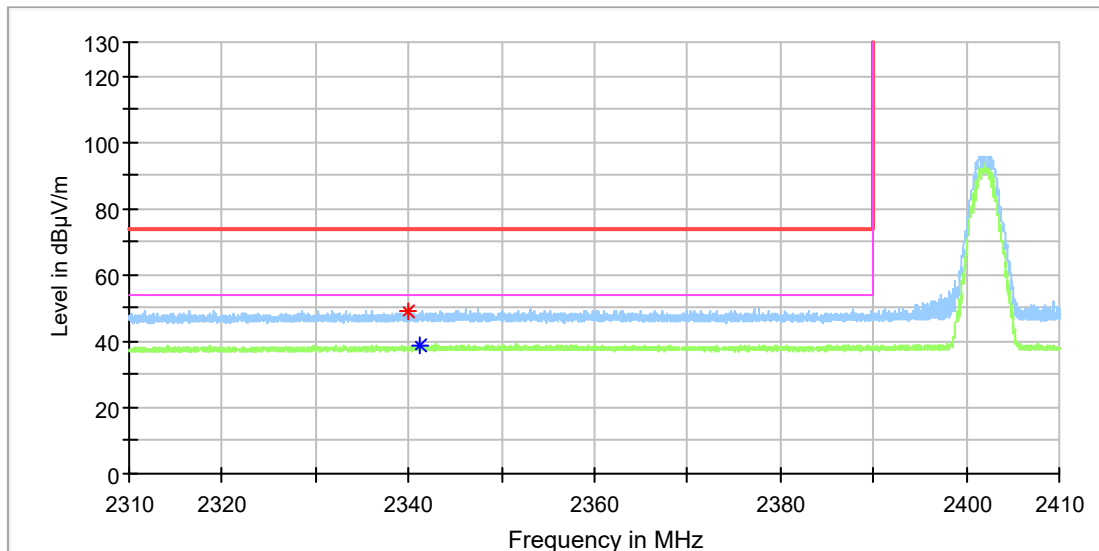
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.271765	55.44	---	74.00	18.56	100.0	V	128.0	7.4
2485.462353	---	40.75	54.00	13.25	100.0	V	128.0	7.4

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
Model:	WXT5EM2511
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

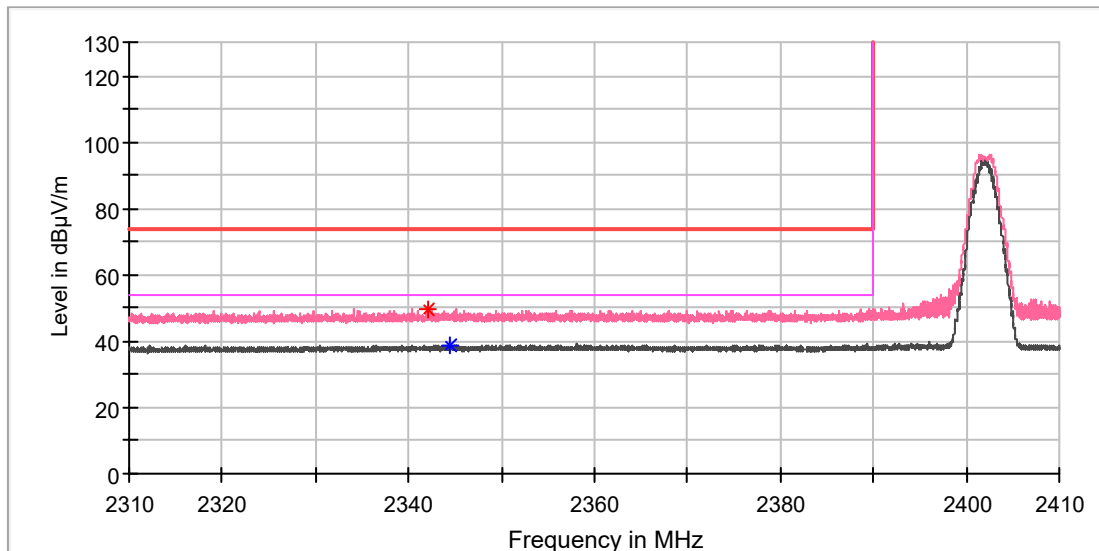
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2339.882353	49.10	---	74.00	24.90	100.0	H	262.0	6.8
2341.191177	---	38.78	54.00	15.22	100.0	H	42.0	6.8

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:	WXT5EM2511
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

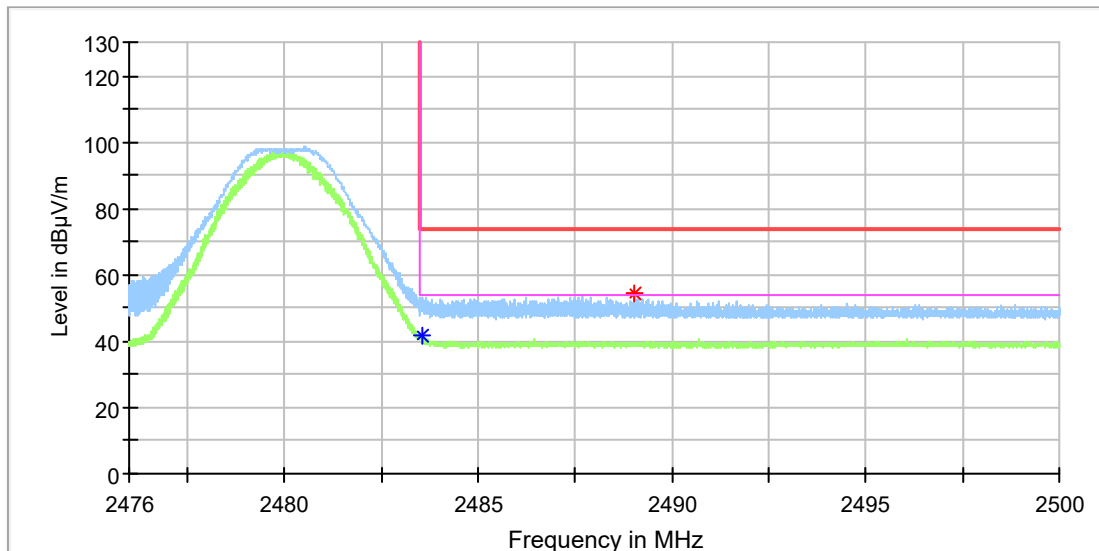
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2342.205882	49.84	---	74.00	24.16	100.0	V	172.0	6.8
2344.588235	---	39.00	54.00	15.00	100.0	V	107.0	6.9

Final_Result

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

EUT Information

EUT Name:	WIFI+BT Module
Model:	WXT5EM2511
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

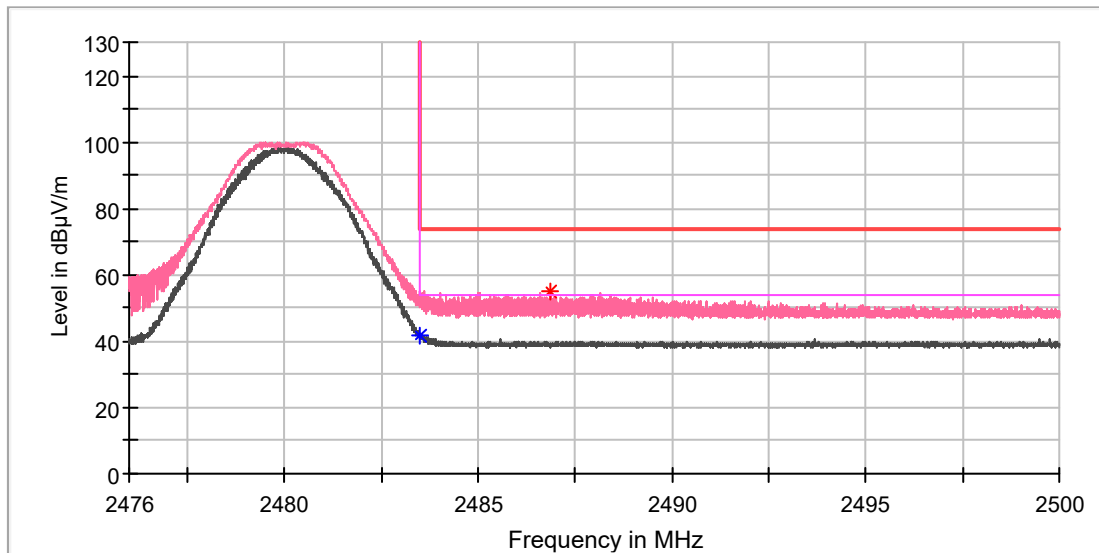
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.542353	---	41.42	54.00	12.58	100.0	H	99.0	7.4
2489.034118	54.24	---	74.00	19.76	100.0	H	256.0	7.4

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
Model:	WXT5EM2511
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168451684/A003594964-001
Test Voltage:	DC 5V From USB
Remark:	Temp 22 Humi:52%
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)
2483.503530	---	41.96	54.00	12.04	100.0	V	57.0	7.4
2486.860000	55.13	---	74.00	18.87	100.0	V	79.0	7.4

Final_Result

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