

Appendix A: Test Results of Bluetooth LE

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Appendix A.1: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.636	2402.312	0.5	PASS
		2440	0.676	2439.632	2440.308	0.5	PASS
		2480	0.684	2479.624	2480.308	0.5	PASS
BLE_2M	Ant1	2404	1.136	2403.400	2404.536	0.5	PASS
		2440	1.164	2439.392	2440.556	0.5	PASS
		2478	1.156	2477.388	2478.544	0.5	PASS

Test Graphs





BLE 2M Ant1 2404



BLE 2M Ant1 2440



BLE 2M Ant1 2478

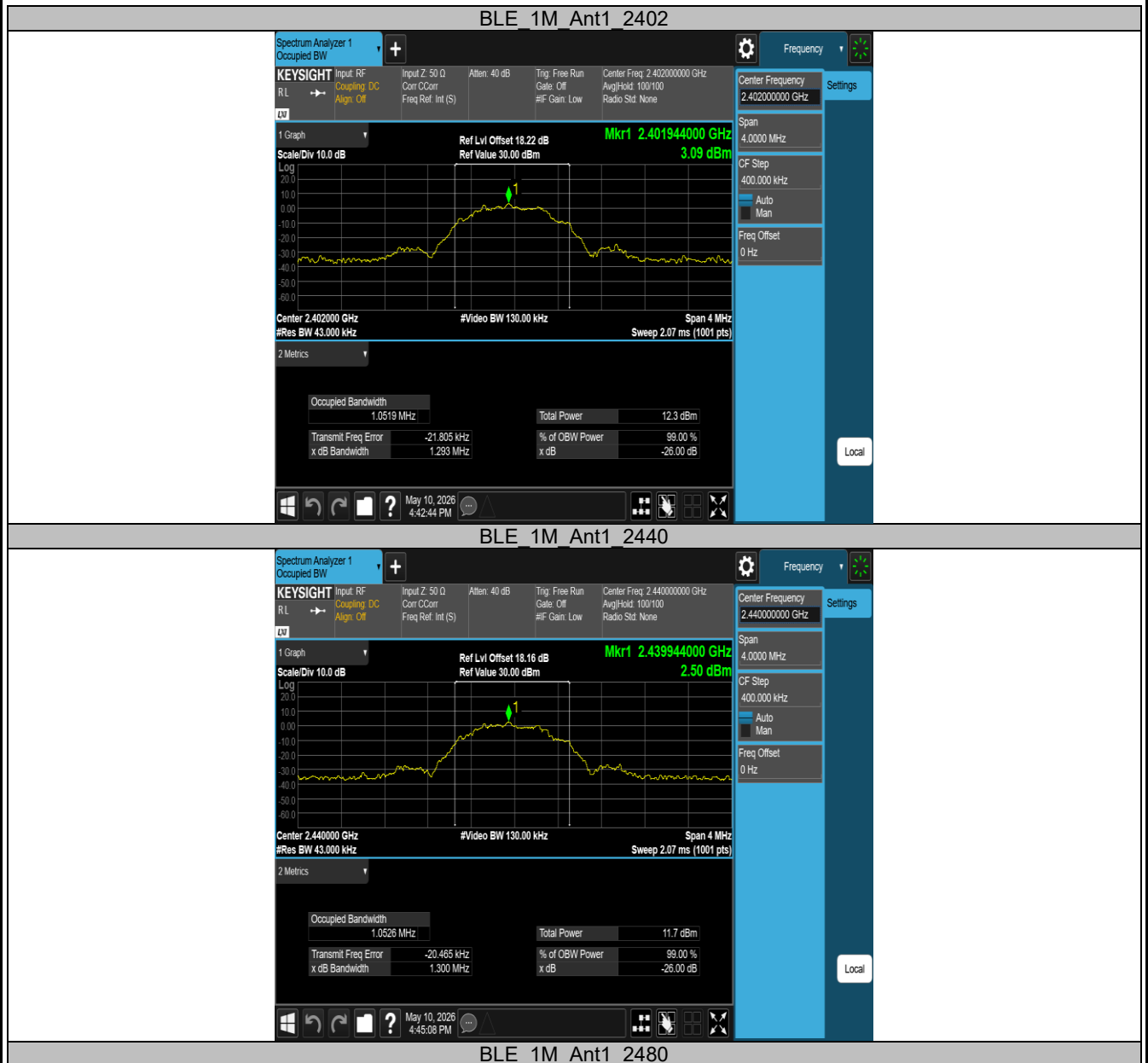


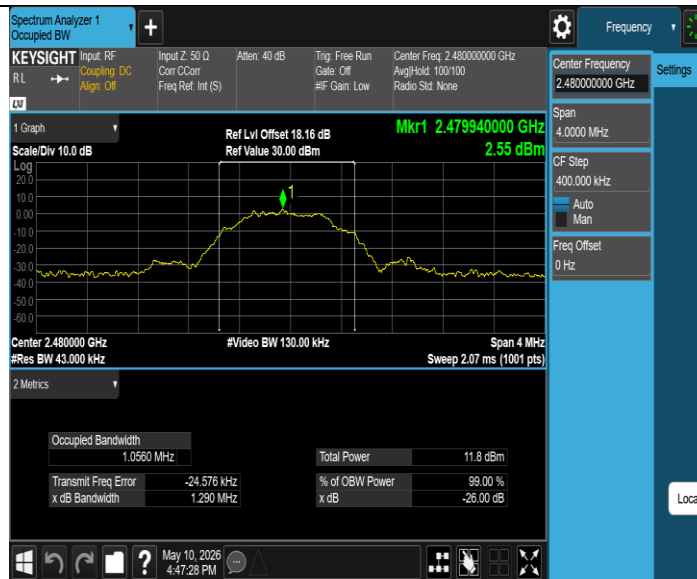
Appendix A.2: Test Results of 99% Bandwidth

Test Result

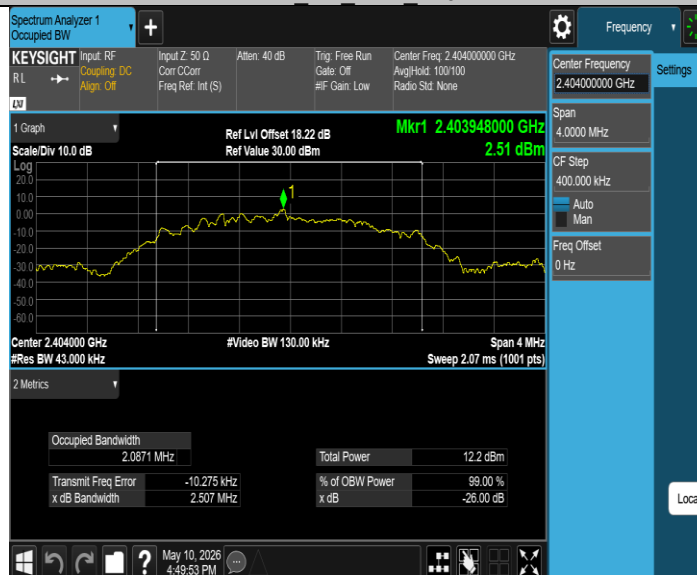
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0519	2401.4522	2402.5041	---	PASS
		2440	1.0526	2439.4532	2440.5058	---	PASS
		2480	1.0560	2479.4474	2480.5034	---	PASS
BLE_2M	Ant1	2404	2.0871	2402.9462	2405.0333	---	PASS
		2440	2.0899	2438.9466	2441.0365	---	PASS
		2478	2.0966	2476.9323	2479.0289	---	PASS

Test Graphs

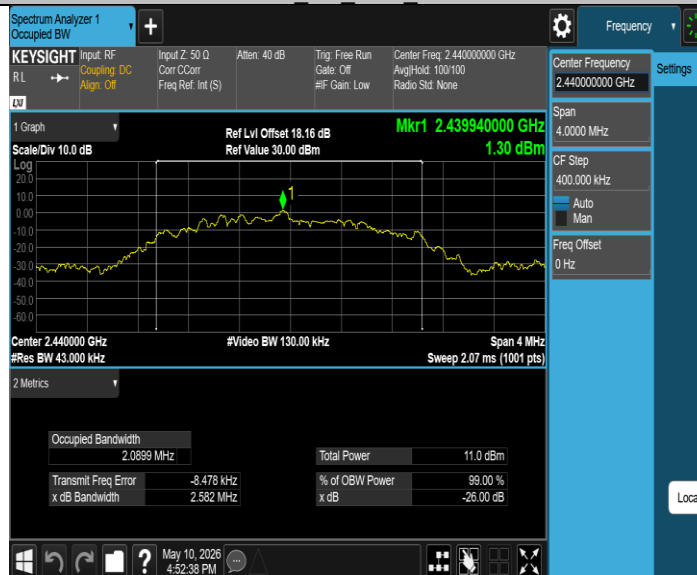




BLE 2M Ant1 2404



BLE 2M Ant1 2440



BLE 2M Ant1 2478

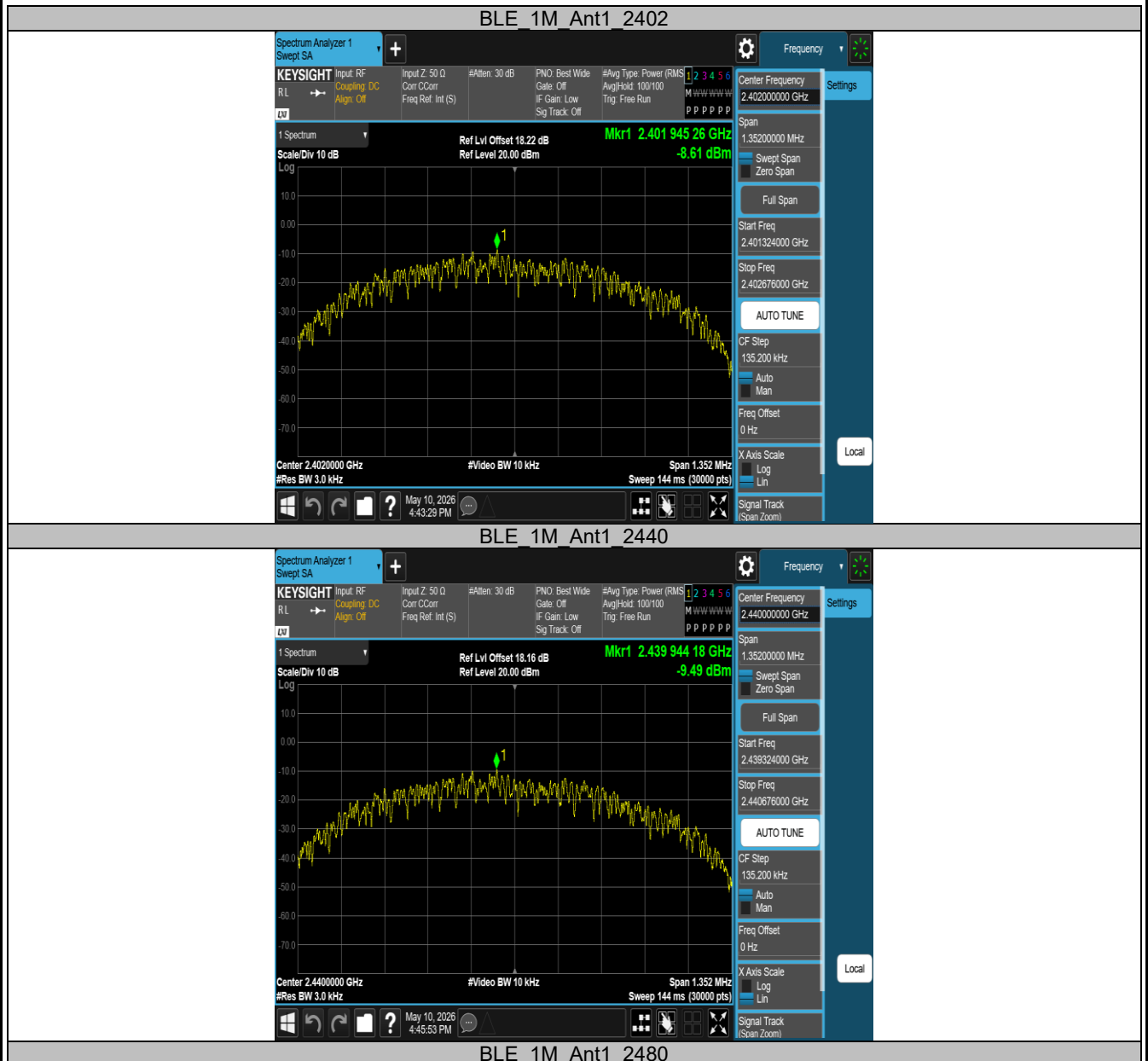


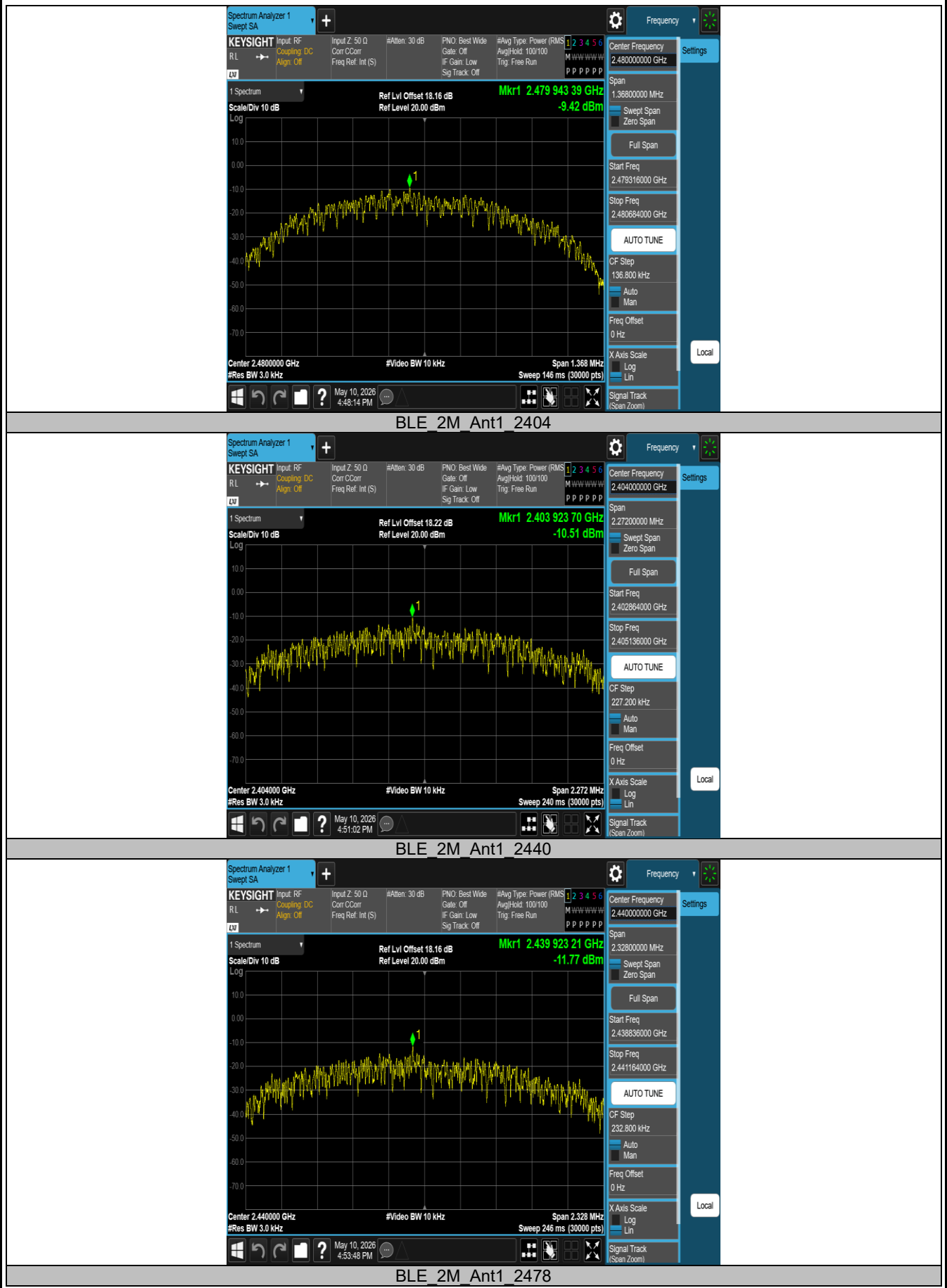
Appendix A.3: Test Results of Conducted Power Spectral Density

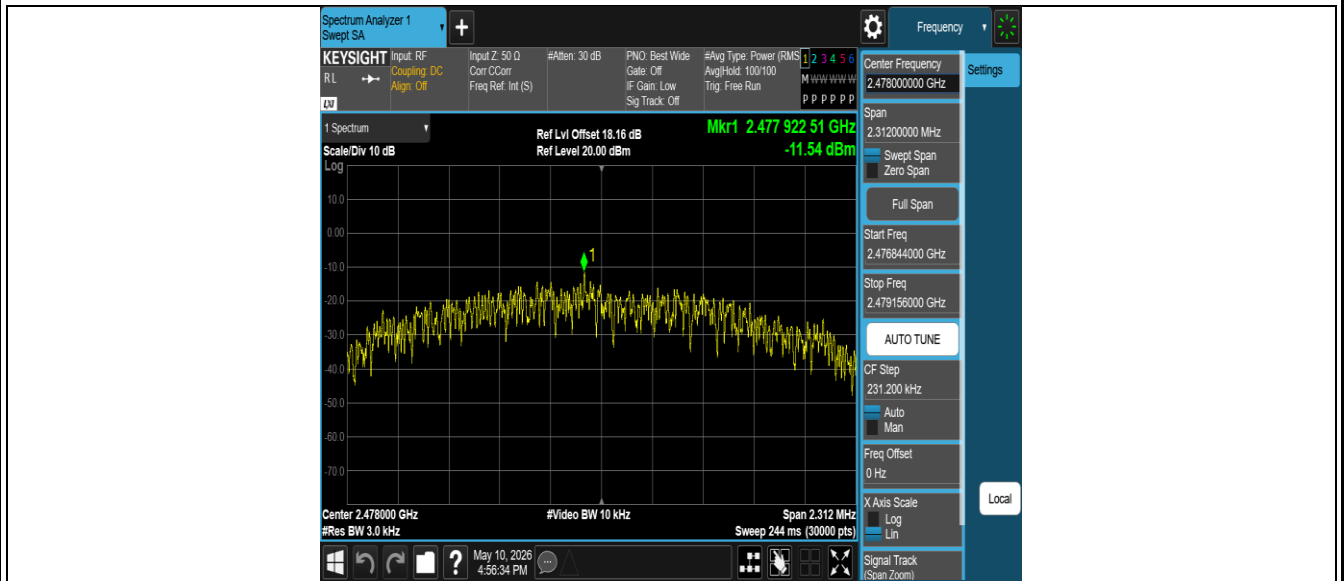
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.61	≤8.00	PASS
		2440	-9.50	≤8.00	PASS
		2480	-9.42	≤8.00	PASS
BLE_2M	Ant1	2404	-10.51	≤8.00	PASS
		2440	-11.77	≤8.00	PASS
		2478	-11.54	≤8.00	PASS

Test Graphs







Appendix A.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.50	-40.86	≤-14.50	PASS
		High	2480	4.58	-41.09	≤-15.42	PASS
BLE_2M	Ant1	Low	2404	4.15	-41.15	≤-15.85	PASS
		High	2478	3.33	-42.14	≤-16.67	PASS

Test Graphs





BLE 2M Ant1 High 2478

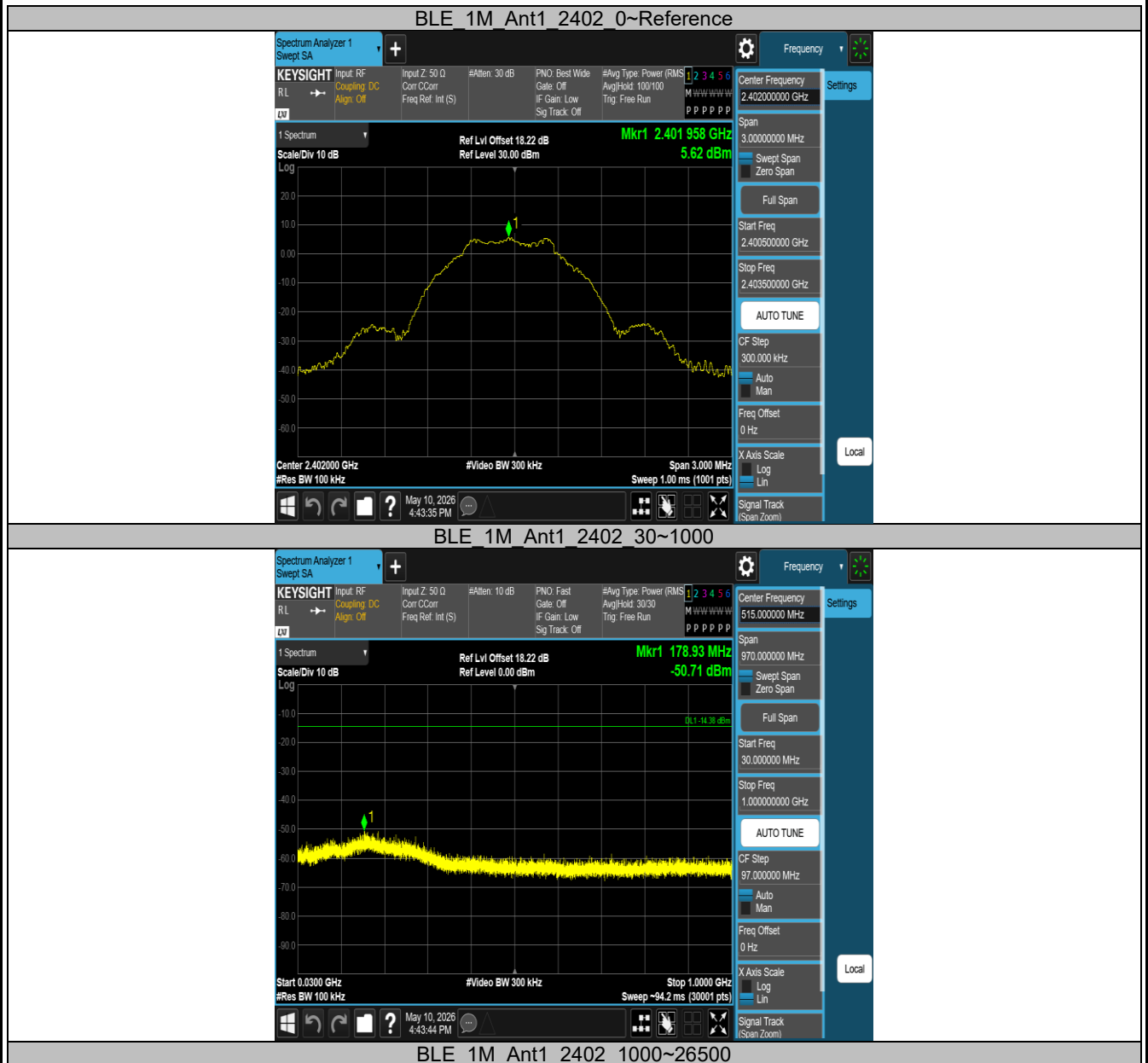


Appendix A.5: Test Results of Conducted Spurious Emission

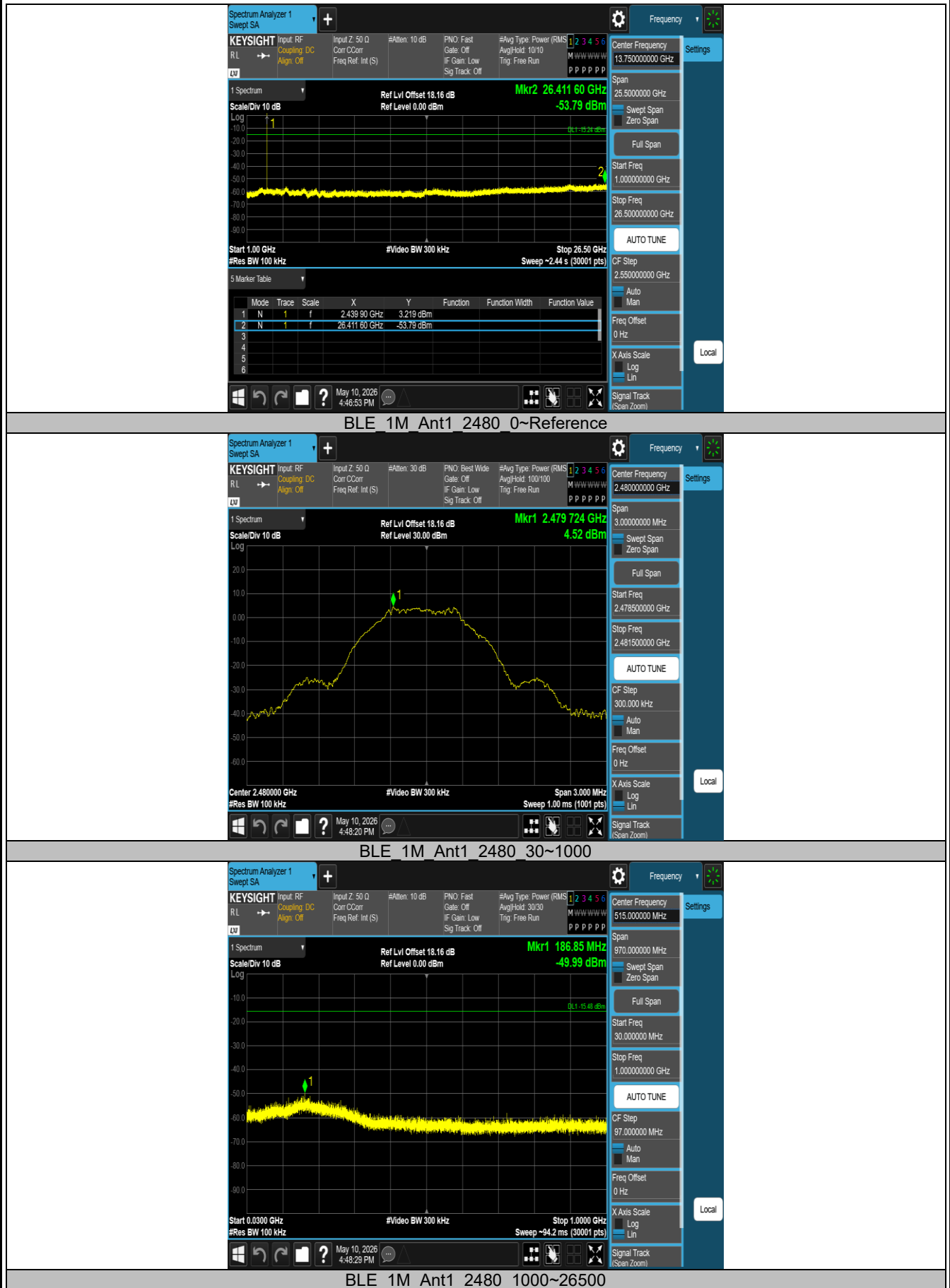
Test Result

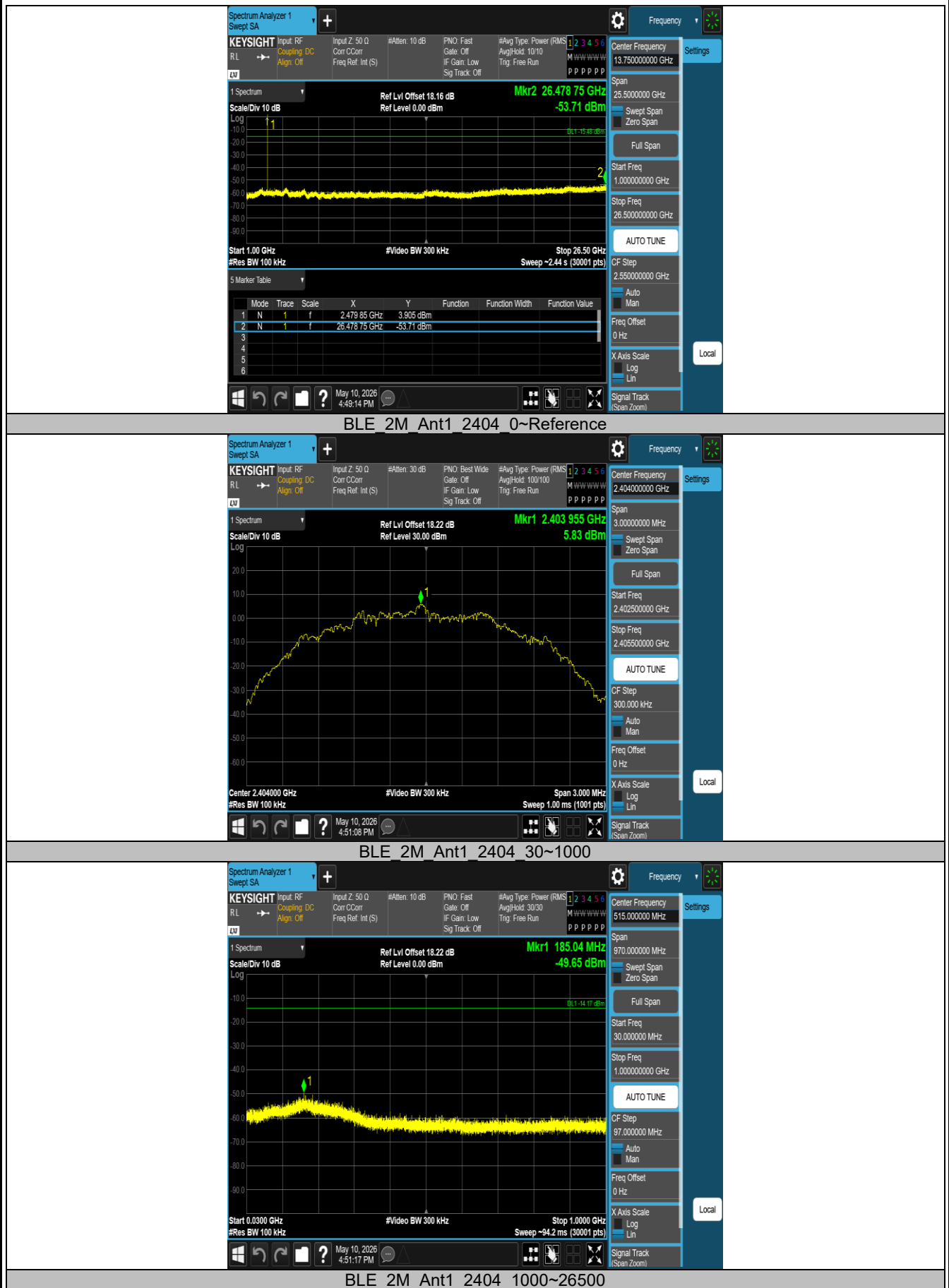
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.62	5.62	---	PASS
			30~1000	5.62	-50.71	≤-14.38	PASS
			1000~26500	5.62	-52.97	≤-14.38	PASS
		2440	Reference	4.76	4.76	---	PASS
			30~1000	4.76	-48.89	≤-15.24	PASS
			1000~26500	4.76	-53.79	≤-15.24	PASS
		2480	Reference	4.52	4.52	---	PASS
			30~1000	4.52	-49.99	≤-15.48	PASS
			1000~26500	4.52	-53.71	≤-15.48	PASS
BLE_2M	Ant1	2404	Reference	5.83	5.83	---	PASS
			30~1000	5.83	-49.65	≤-14.17	PASS
			1000~26500	5.83	-52.5	≤-14.17	PASS
		2440	Reference	4.55	4.55	---	PASS
			30~1000	4.55	-50.99	≤-15.45	PASS
			1000~26500	4.55	-53.45	≤-15.45	PASS
		2478	Reference	4.41	4.41	---	PASS
			30~1000	4.41	-50.84	≤-15.59	PASS
			1000~26500	4.41	-53.09	≤-15.59	PASS

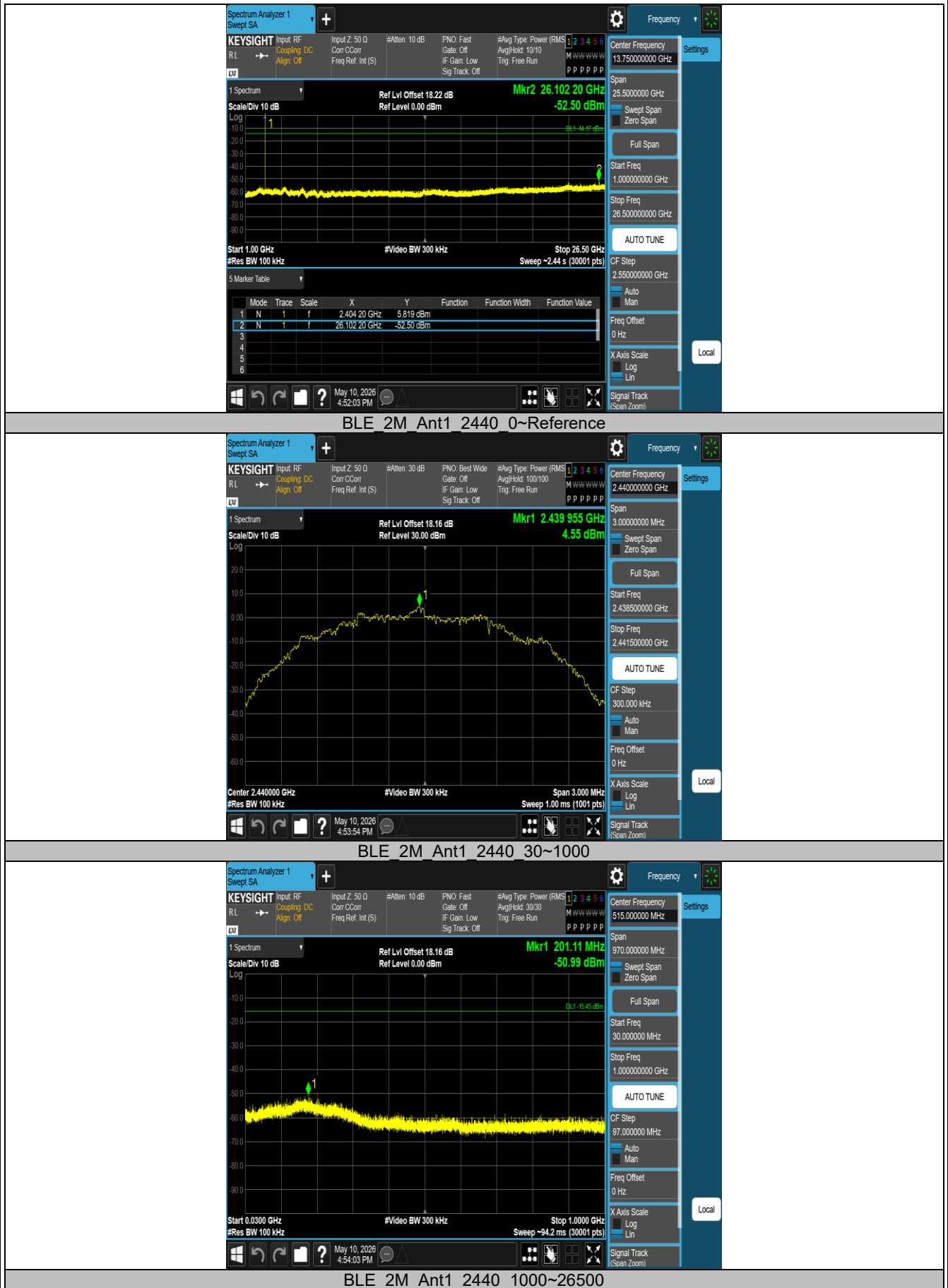
Test Graphs



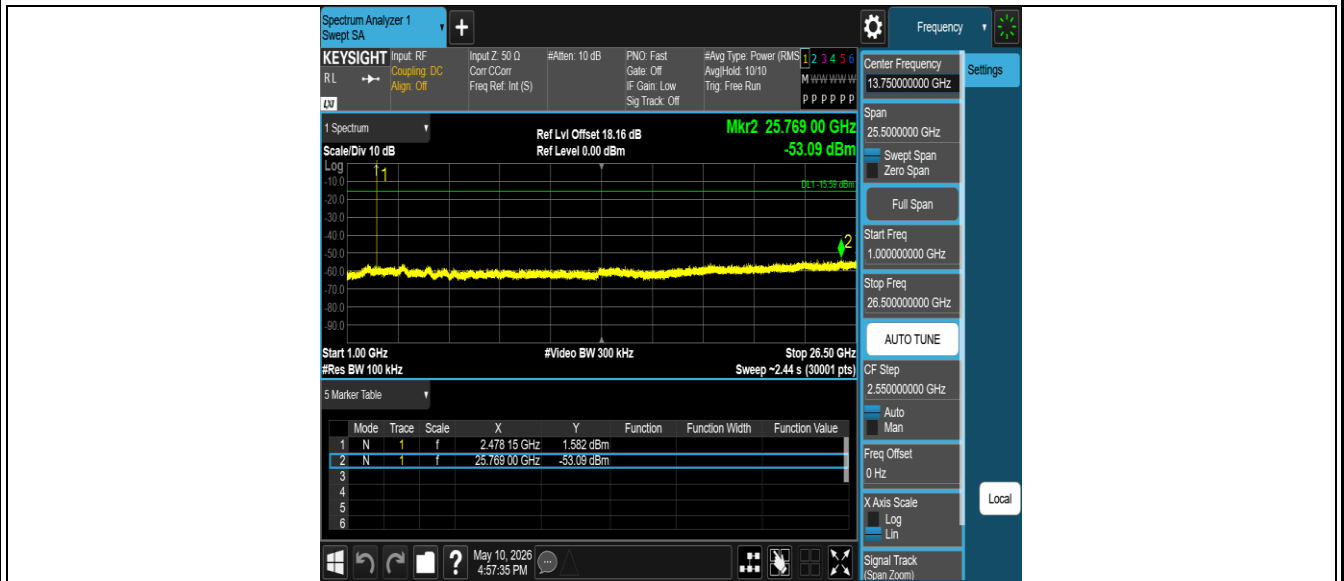












Appendix A.6: Test Results of Radiated Spurious Emissions

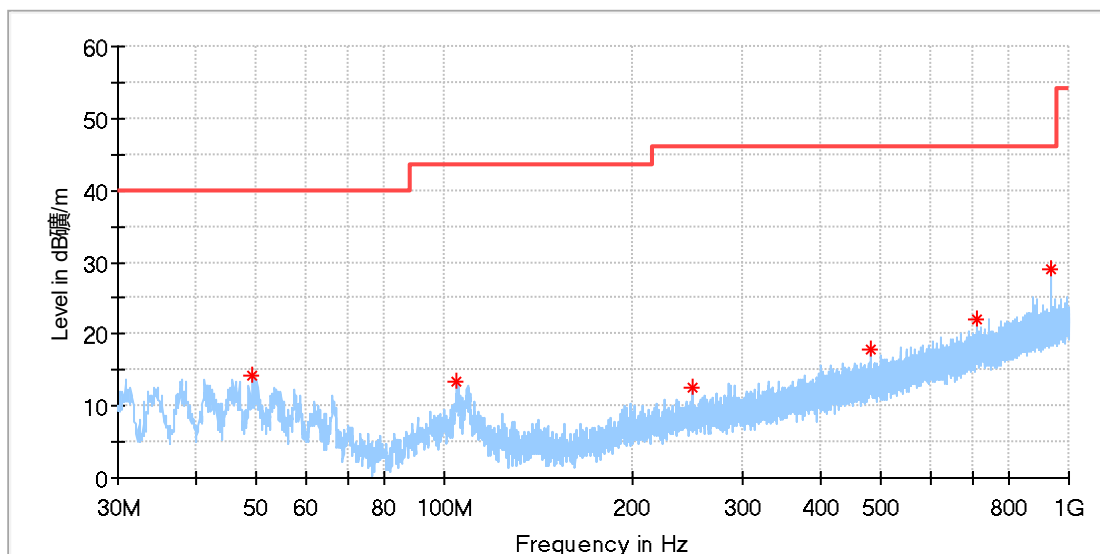
Note:

- 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.

30MHz - 1GHz

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

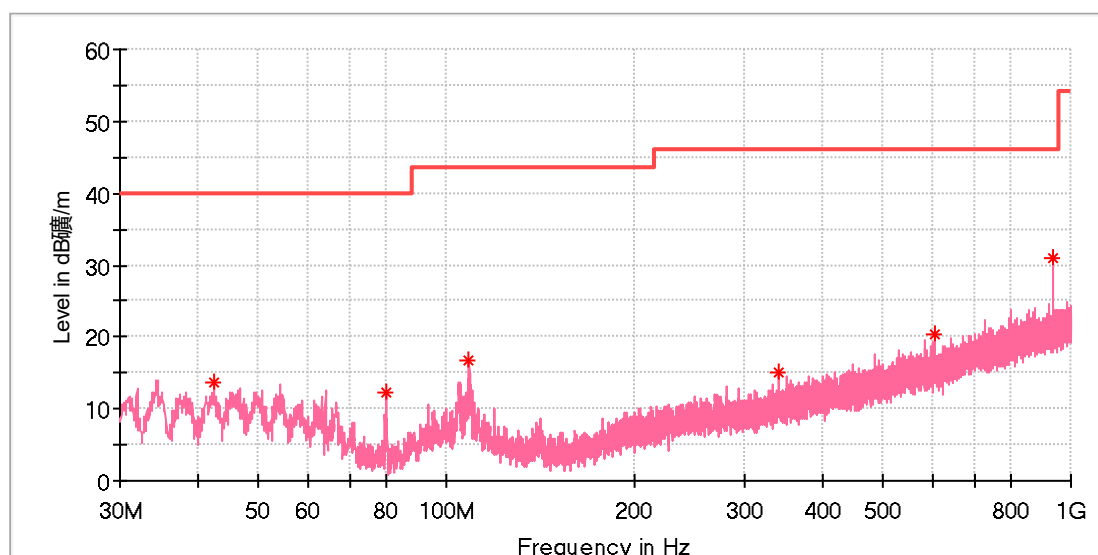
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.346111	14.26	40.00	25.74	100.0	H	114.0	-18.4
104.797778	13.27	43.50	30.23	100.0	H	134.0	-18.9
249.004444	12.70	46.00	33.30	100.0	H	221.0	-17.4
481.050000	17.98	46.00	28.02	100.0	H	329.0	-12.1
713.041667	22.09	46.00	23.91	100.0	H	337.0	-7.7
938.405000	29.11	46.00	16.89	100.0	H	134.0	-4.4

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
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)
42.448333	13.79	40.00	26.21	100.0	V	236.0	-19.6
80.008889	12.38	40.00	27.62	100.0	V	85.0	-23.6
108.785556	16.84	43.50	26.66	100.0	V	70.0	-19.1
339.376111	15.15	46.00	30.85	100.0	V	107.0	-15.1
604.725000	20.27	46.00	25.73	100.0	V	334.0	-9.6
938.458889	30.84	46.00	15.16	100.0	V	301.0	-4.4

Final_Result

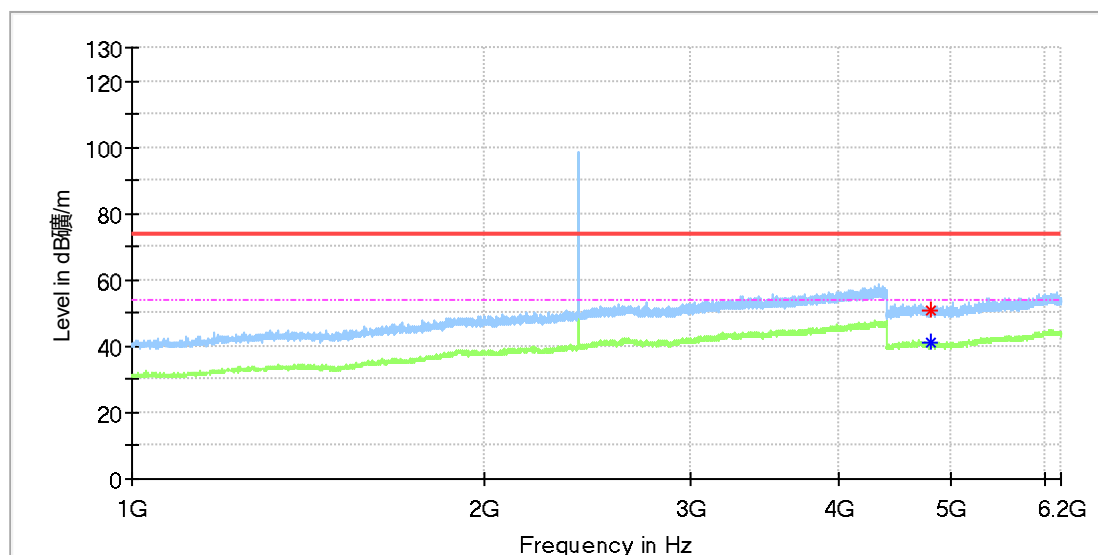
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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1GHz - 18GHz

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

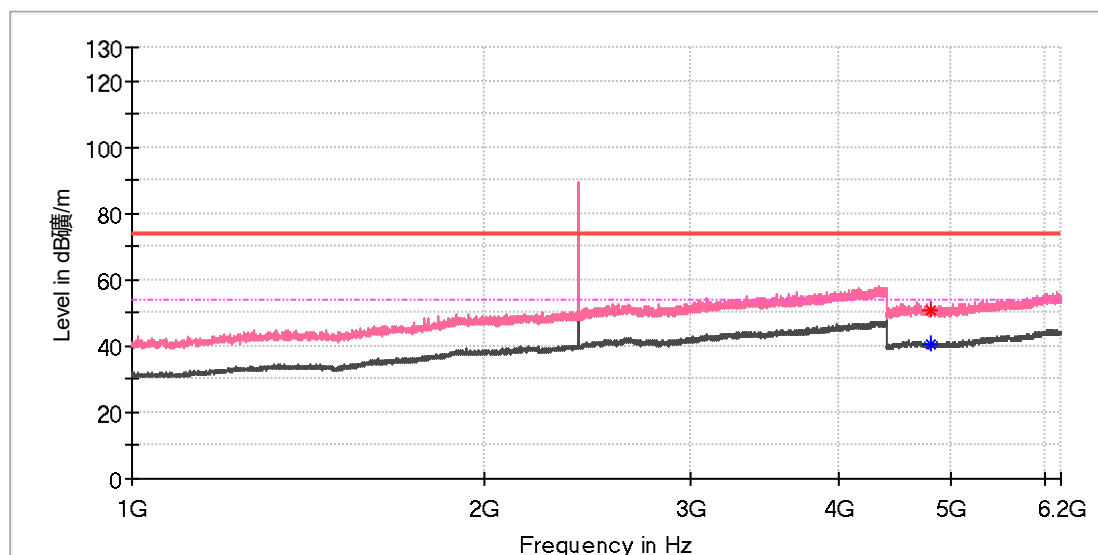
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.500000	50.81	---	74.00	23.19	150.0	H	149.0	13.3
4803.000000	---	40.93	54.00	13.07	150.0	H	256.0	13.3

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

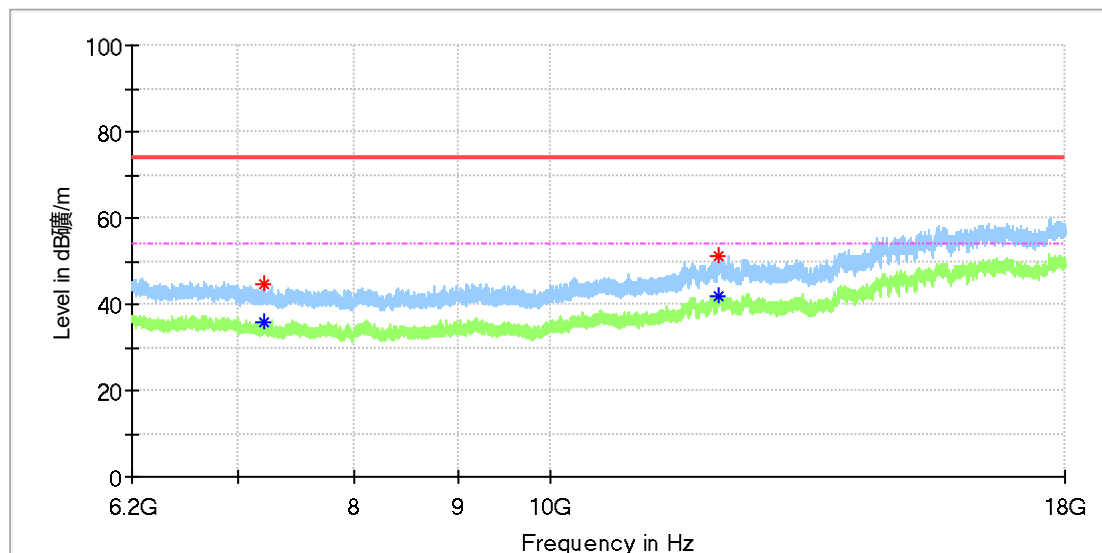
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	50.63	---	74.00	23.37	150.0	V	238.0	13.3
4804.000000	---	40.58	54.00	13.42	150.0	V	238.0	13.3

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

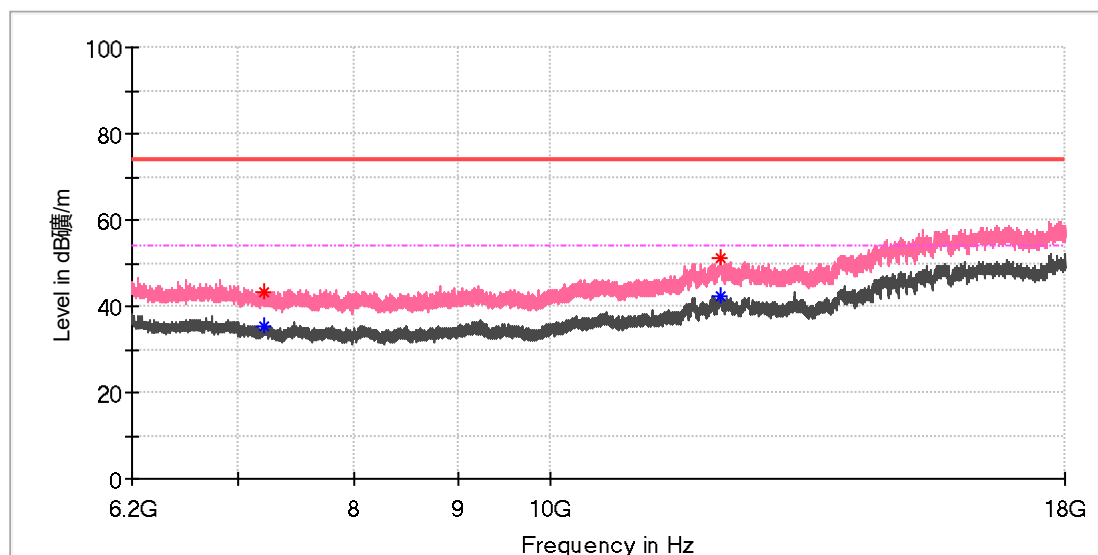
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7215.291667	---	35.81	54.00	18.19	150.0	H	311.0	8.7
7215.291667	44.53	---	74.00	29.47	150.0	H	311.0	8.7
12114.258333	51.07	---	74.00	22.93	150.0	H	100.0	15.8
12127.533333	---	42.00	54.00	12.00	150.0	H	36.0	16.1

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

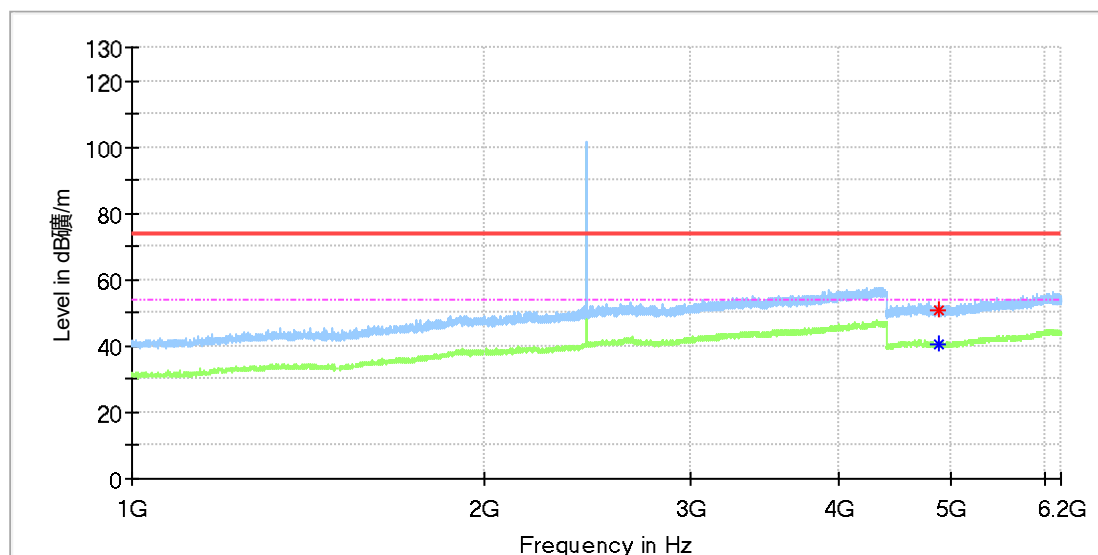
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	43.19	---	74.00	30.81	150.0	V	278.0	8.8
7207.425000	---	35.28	54.00	18.72	150.0	V	88.0	8.8
12134.416667	51.14	---	74.00	22.86	150.0	V	301.0	16.3
12151.625000	---	42.55	54.00	11.45	150.0	V	346.0	16.6

Final Result

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

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

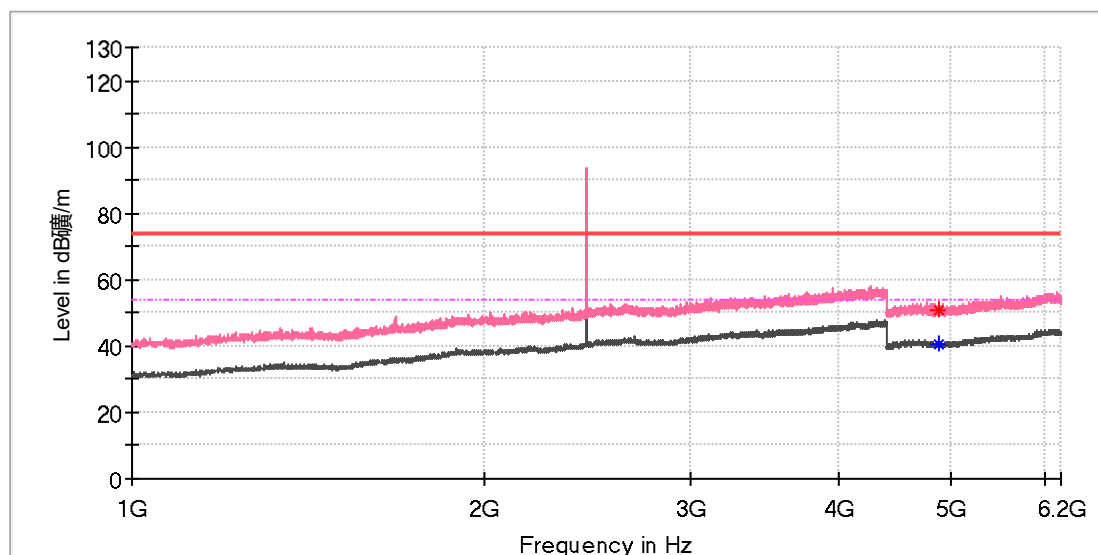
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.500000	---	40.41	54.00	13.59	150.0	H	343.0	13.3
4880.500000	50.85	---	74.00	23.15	150.0	H	280.0	13.3

Final Result

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

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

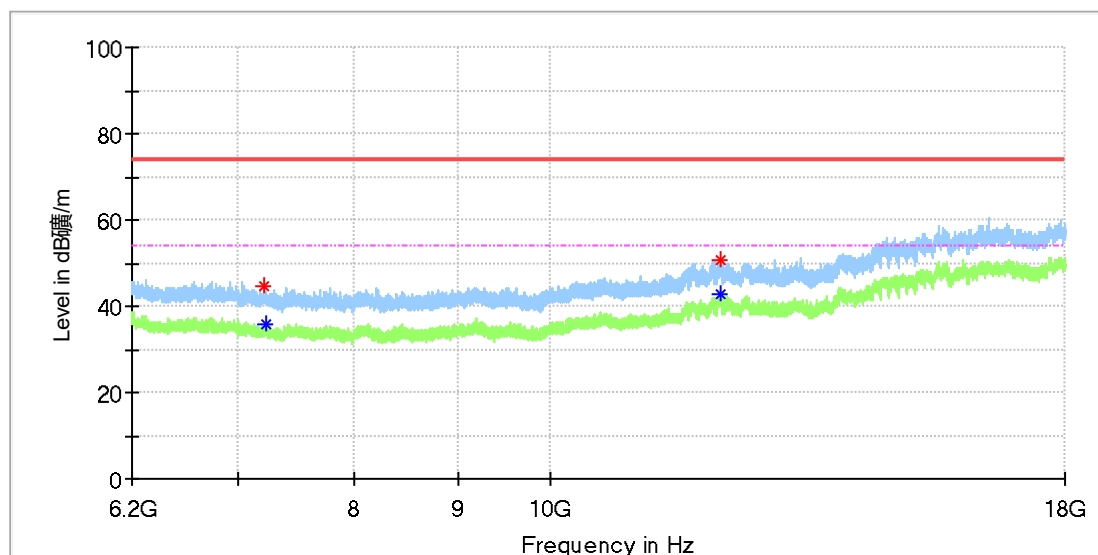
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4880.000000	---	40.45	54.00	13.55	150.0	V	305.0	13.3
4881.000000	51.02	---	74.00	22.98	150.0	V	117.0	13.3

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

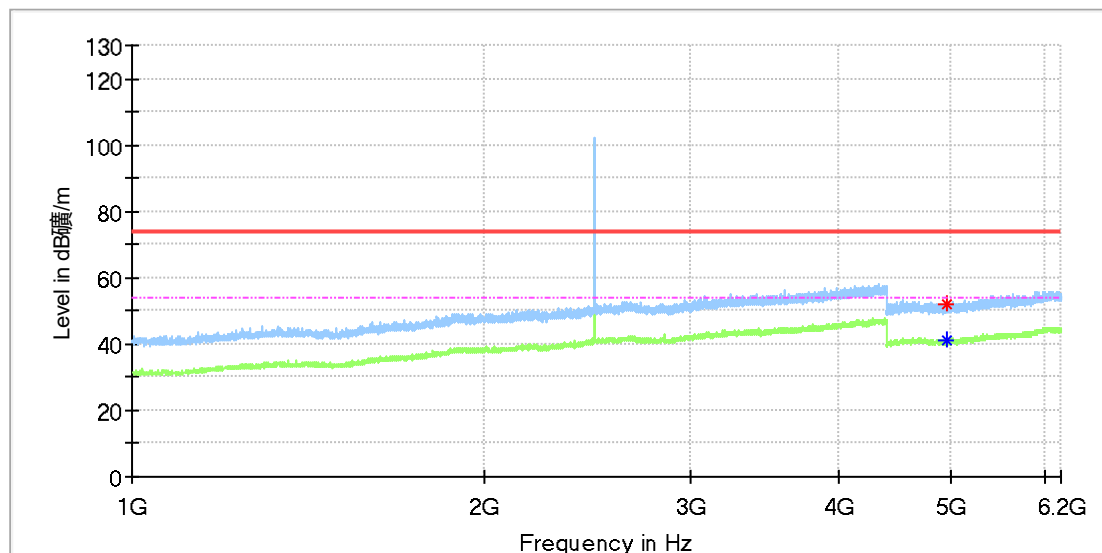
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7218.241667	44.82	---	74.00	29.18	150.0	H	177.0	8.7
7222.175000	---	35.80	54.00	18.20	150.0	H	5.0	8.7
12141.791667	---	42.84	54.00	11.16	150.0	H	0.0	16.5
12153.591667	50.74	---	74.00	23.26	150.0	H	0.0	16.5

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

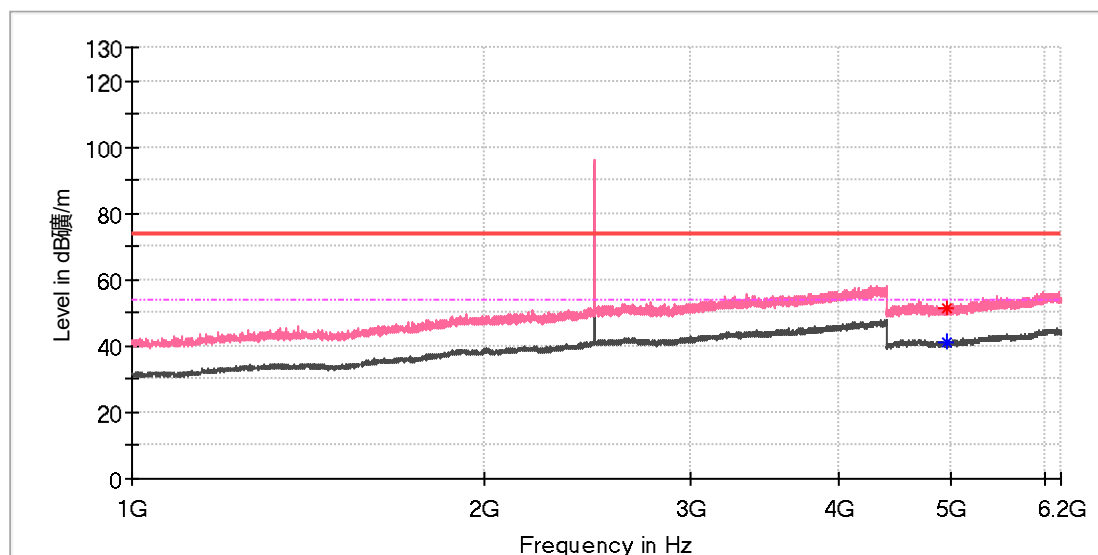
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.000000	51.96	---	74.00	22.04	150.0	H	157.0	13.3
4960.500000	---	41.03	54.00	12.97	150.0	H	150.0	13.3

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

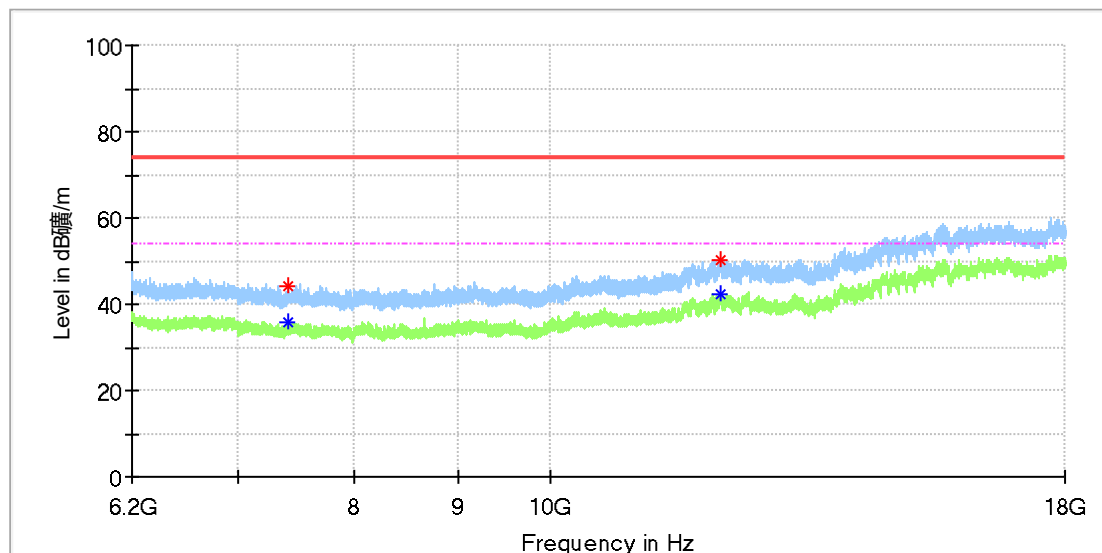
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	---	40.96	54.00	13.04	150.0	V	347.0	13.3
4960.000000	51.20	---	74.00	22.80	150.0	V	281.0	13.3

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

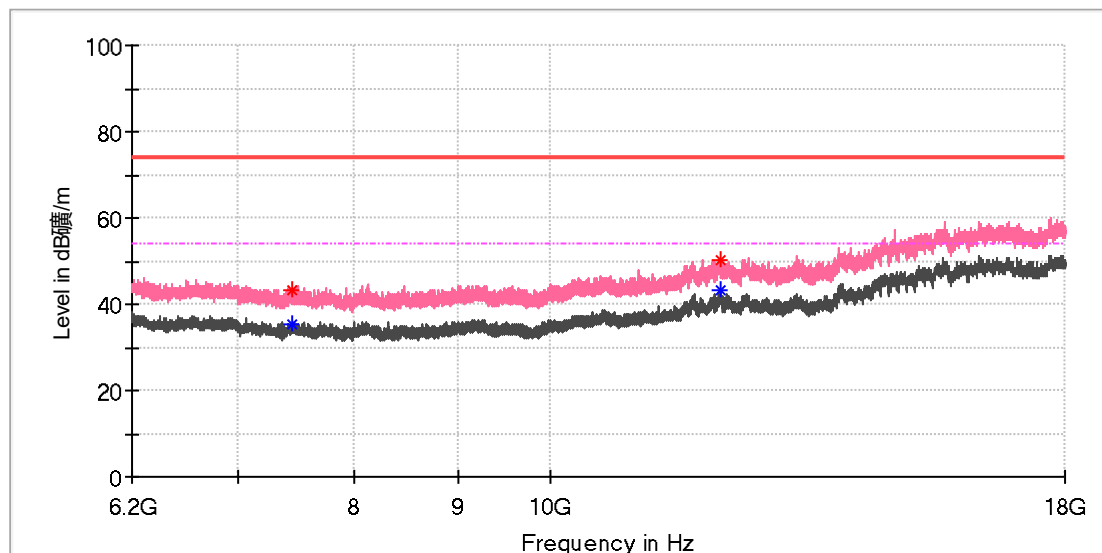
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7417.366667	---	36.00	54.00	18.00	150.0	H	226.0	8.3
7418.841667	44.18	---	74.00	29.82	150.0	H	85.0	8.4
12141.791667	50.33	---	74.00	23.67	150.0	H	74.0	16.5
12159.491667	---	42.38	54.00	11.62	150.0	H	237.0	16.2

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
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	---	35.24	54.00	18.76	150.0	V	355.0	8.5
7453.258333	43.03	---	74.00	30.97	150.0	V	257.0	8.5
12142.283333	50.44	---	74.00	23.56	150.0	V	268.0	16.5
12149.166667	---	43.39	54.00	10.61	150.0	V	53.0	16.7

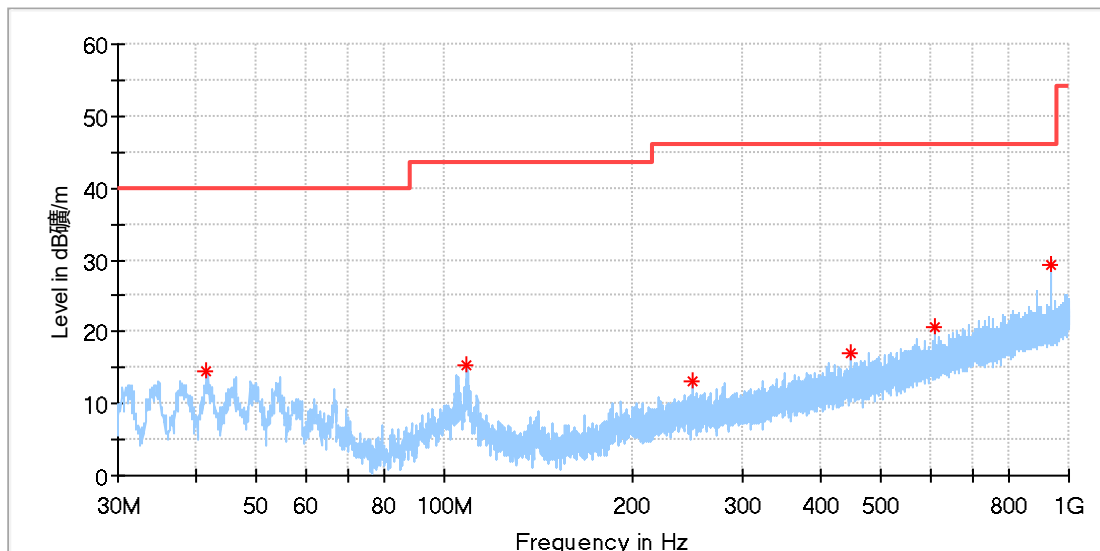
Final Result

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

30MHz - 1GHz for co-location

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	WIFI 5G+BLE
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

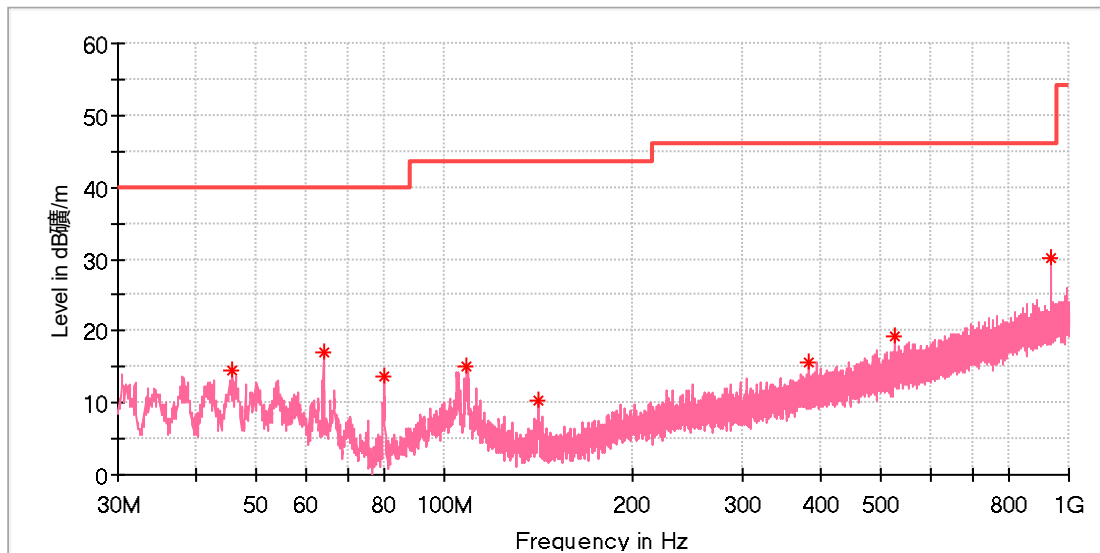
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.640000	14.42	40.00	25.58	100.0	H	169.0	-19.8
108.731667	15.22	43.50	28.28	100.0	H	50.0	-19.1
250.028333	13.02	46.00	32.98	100.0	H	204.0	-17.4
446.183889	17.11	46.00	28.89	100.0	H	90.0	-12.8
610.814444	20.71	46.00	25.29	100.0	H	175.0	-9.5
938.458889	29.32	46.00	16.68	100.0	H	305.0	-4.4

Final_Result

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

EUT Information

EUT Name: Wireless Terminal
Model: GWC11T-W01
Test Mode: WIFI 5G+BLE
Order No/Sample No: 27226937/A004233979-001
Test Voltage: Battery
Remark: Temp 23 Humi:54%
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)
45.789444	14.52	40.00	25.48	100.0	V	0.0	-18.8
64.003889	17.07	40.00	22.93	100.0	V	162.0	-20.0
80.008889	13.58	40.00	26.42	100.0	V	125.0	-23.6
108.785556	15.03	43.50	28.47	100.0	V	117.0	-19.1
141.172778	10.45	43.50	33.05	100.0	V	231.0	-22.4
383.834444	15.51	46.00	30.49	100.0	V	209.0	-14.2
527.394444	19.28	46.00	26.72	100.0	V	117.0	-11.3
938.458889	30.07	46.00	15.93	100.0	V	194.0	-4.4

Final Result

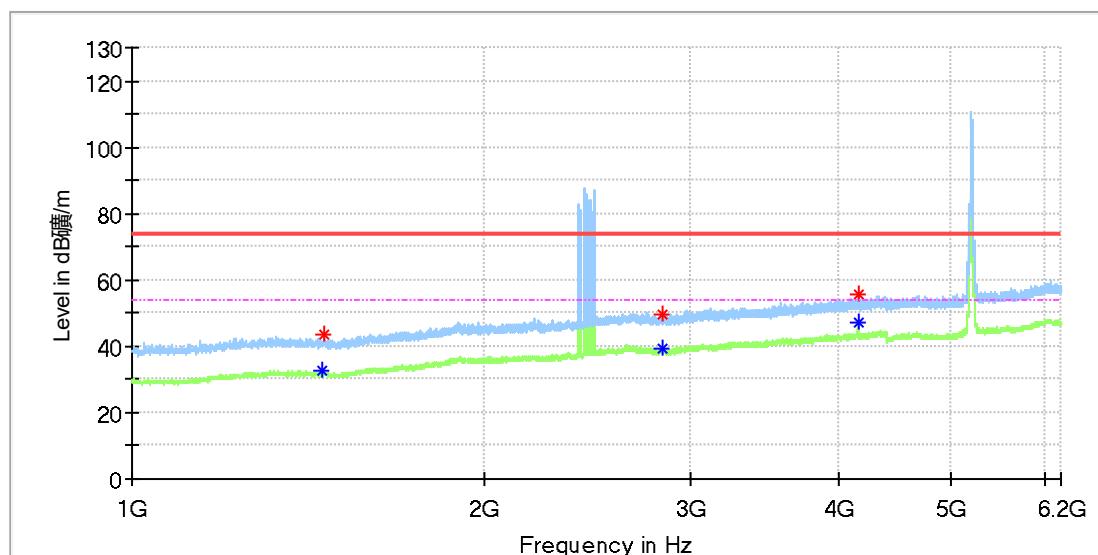
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz for co-location

Note: The highest waveform in the figure is Bluetooth and/or Wi-Fi Fundamental.

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	WIFI 5G+BLE
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

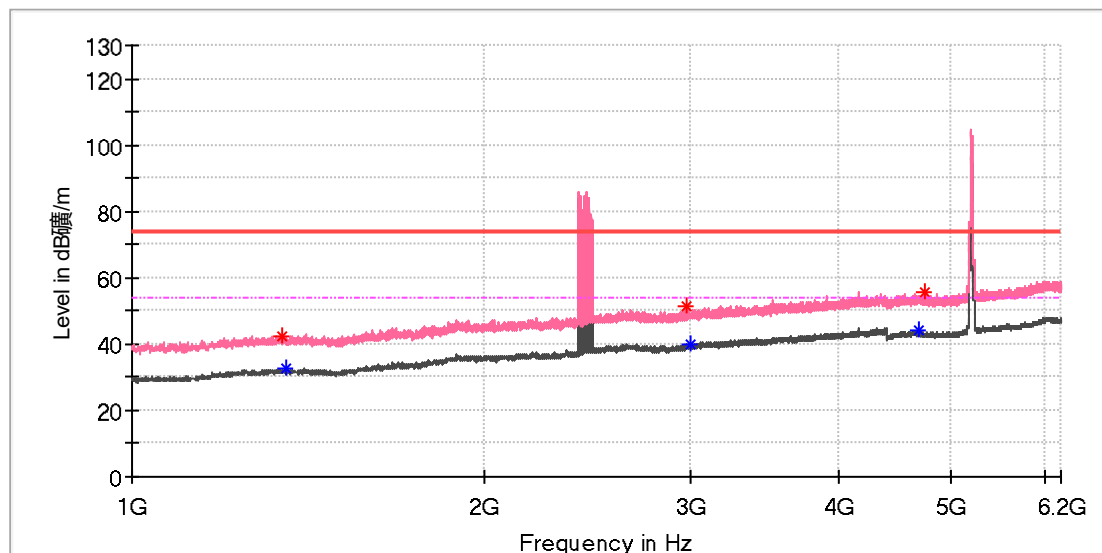
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1455.000000	---	32.35	54.00	21.65	150.0	H	154.0	2.7
1458.500000	43.35	---	74.00	30.65	150.0	H	311.0	2.7
2834.000000	---	39.36	54.00	14.64	150.0	H	286.0	9.7
2837.500000	49.56	---	74.00	24.44	150.0	H	220.0	9.7
4160.000000	---	47.41	54.00	6.59	150.0	H	181.0	13.4
4160.500000	55.44	---	74.00	18.56	150.0	H	181.0	13.4

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	WIFI 5G+BLE
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

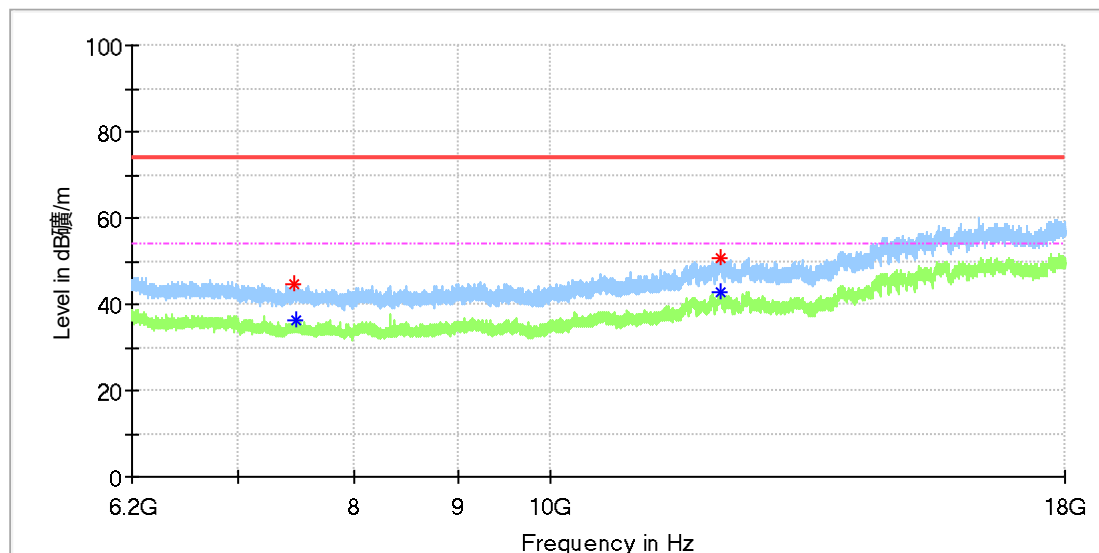
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1341.000000	42.59	---	74.00	31.41	150.0	V	236.0	3.0
1351.000000	---	32.75	54.00	21.25	150.0	V	329.0	3.1
2976.000000	51.25	---	74.00	22.75	150.0	V	40.0	10.1
2994.000000	---	39.93	54.00	14.07	150.0	V	11.0	10.2
4692.500000	---	44.17	54.00	9.83	150.0	V	342.0	13.5
4737.000000	55.47	---	74.00	18.53	150.0	V	255.0	13.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	WIFI 5G+BLE
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

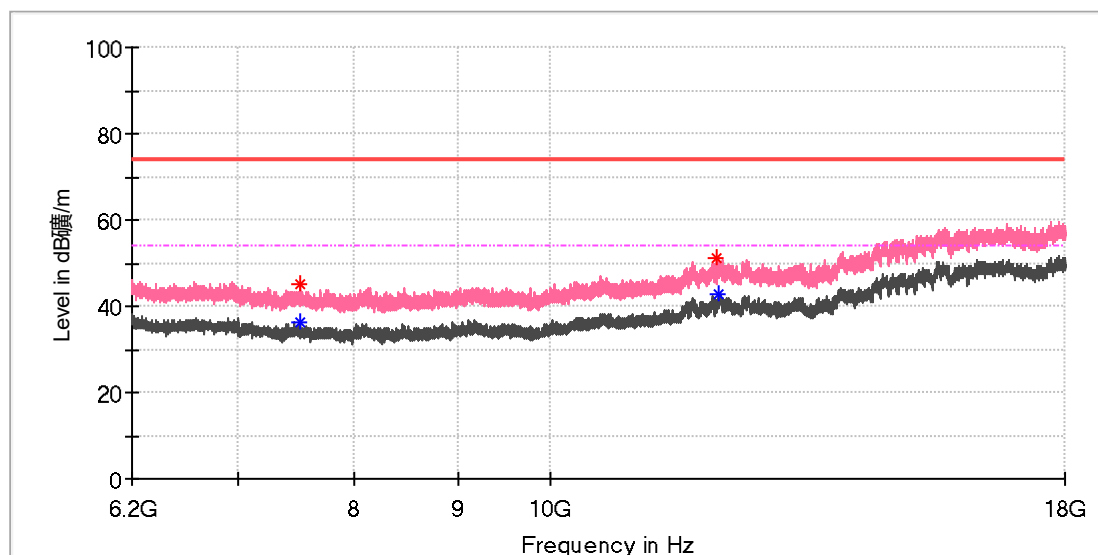
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7460.633333	44.51	---	74.00	29.49	150.0	H	0.0	8.5
7477.841667	---	36.23	54.00	17.77	150.0	H	338.0	8.6
12147.200000	---	42.68	54.00	11.32	150.0	H	221.0	8.7
12156.541667	50.50	---	74.00	23.50	150.0	H	261.0	16.4

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	WIFI 5G+BLE
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
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)
7511.766667	---	36.32	54.00	17.68	150.0	V	80.0	8.7
7513.241667	45.08	---	74.00	28.92	150.0	V	0.0	8.7
12101.966667	51.09	---	74.00	22.91	150.0	V	355.0	15.5
12116.716667	---	42.79	54.00	11.21	150.0	V	137.0	15.9

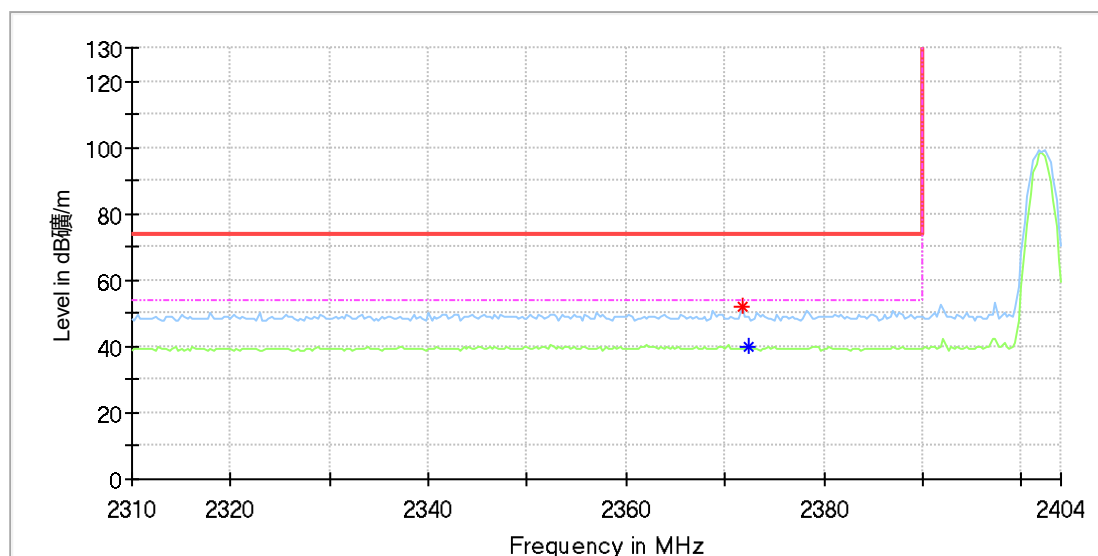
Final Result

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

Appendix A.7: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

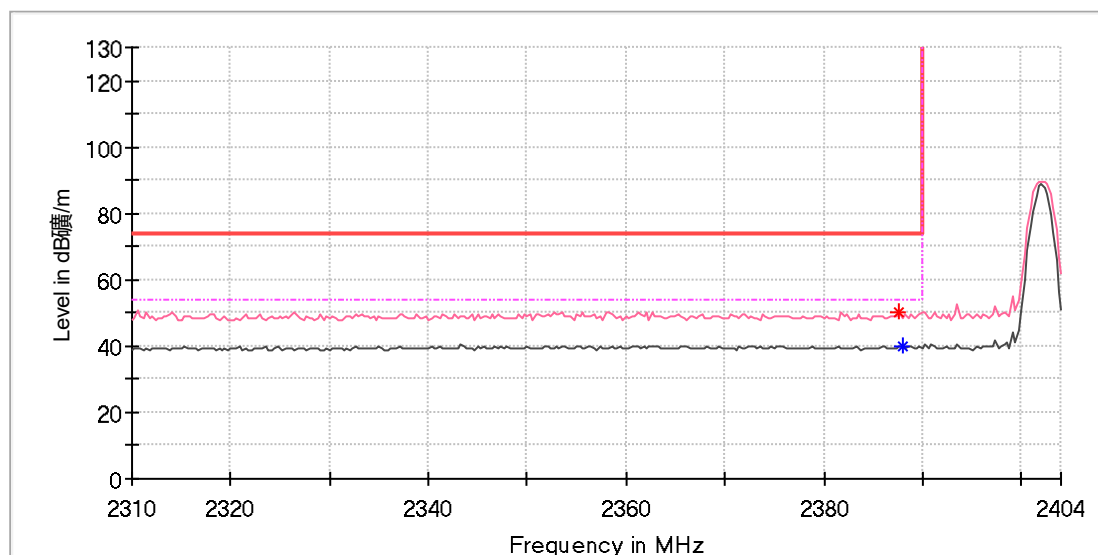
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2371.764706	51.94	---	74.00	22.06	150.0	H	37.0	8.5
2372.352941	---	40.10	54.00	13.90	150.0	H	42.0	8.5

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

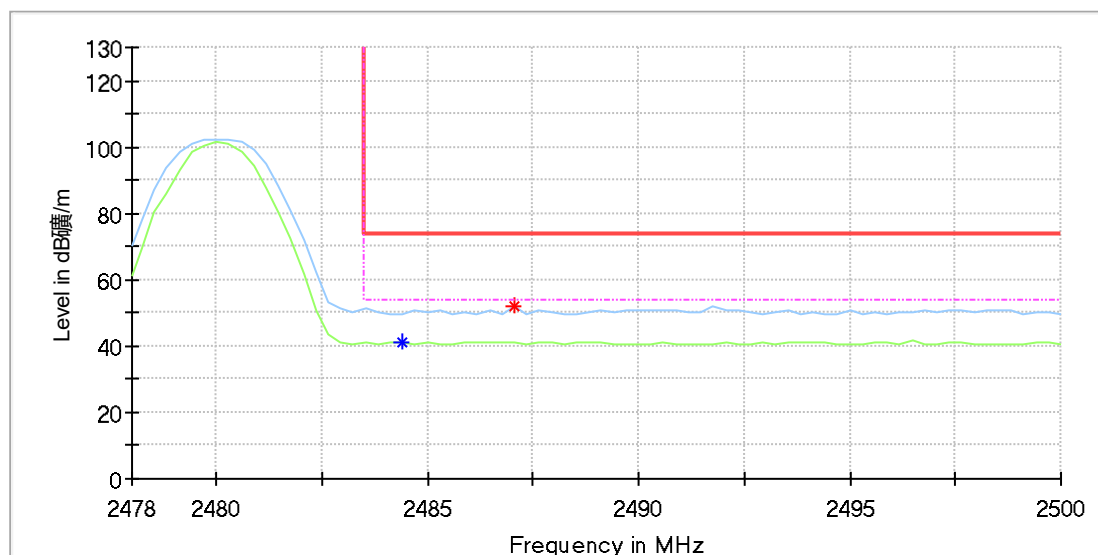
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.647059	50.41	---	74.00	23.59	150.0	V	331.0	8.5
2387.941177	---	39.83	54.00	14.17	150.0	V	331.0	8.5

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

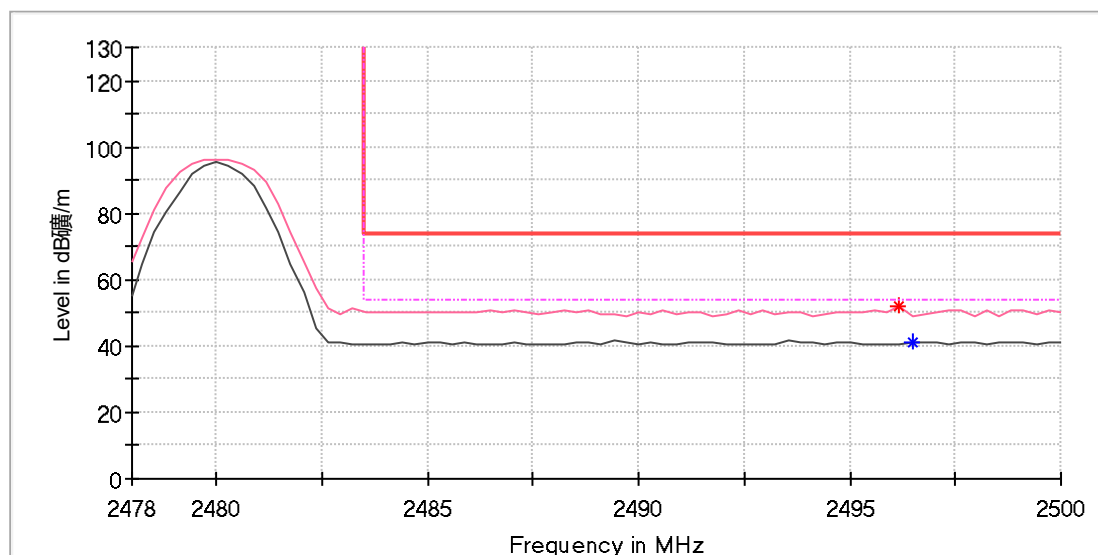
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.411765	---	41.28	54.00	12.72	150.0	H	112.0	9.0
2487.058824	52.08	---	74.00	21.92	150.0	H	74.0	9.0

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

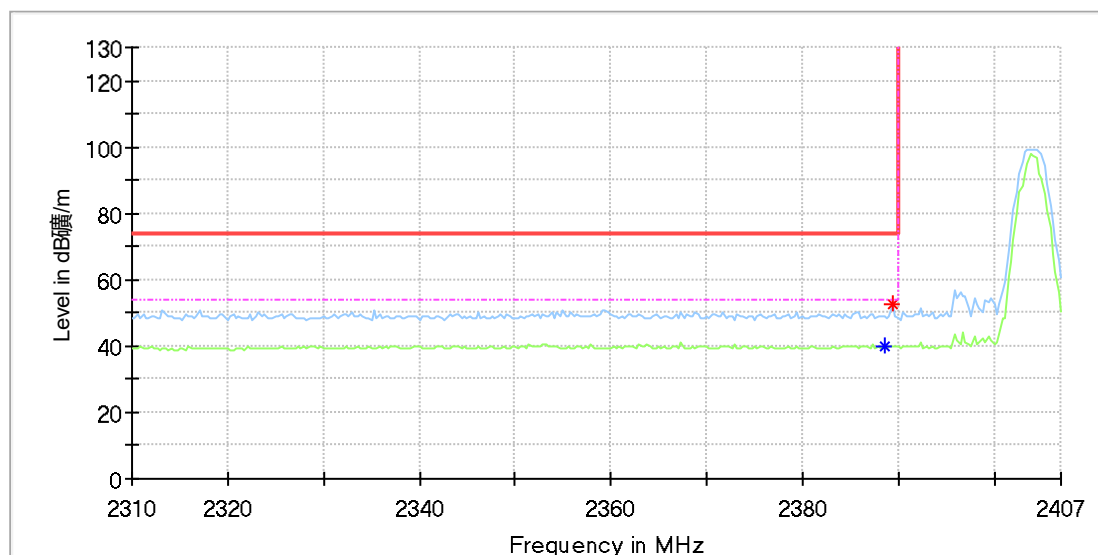
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2496.176471	51.99	---	74.00	22.01	150.0	V	359.0	9.0
2496.470588	---	41.24	54.00	12.76	150.0	V	183.0	9.0

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

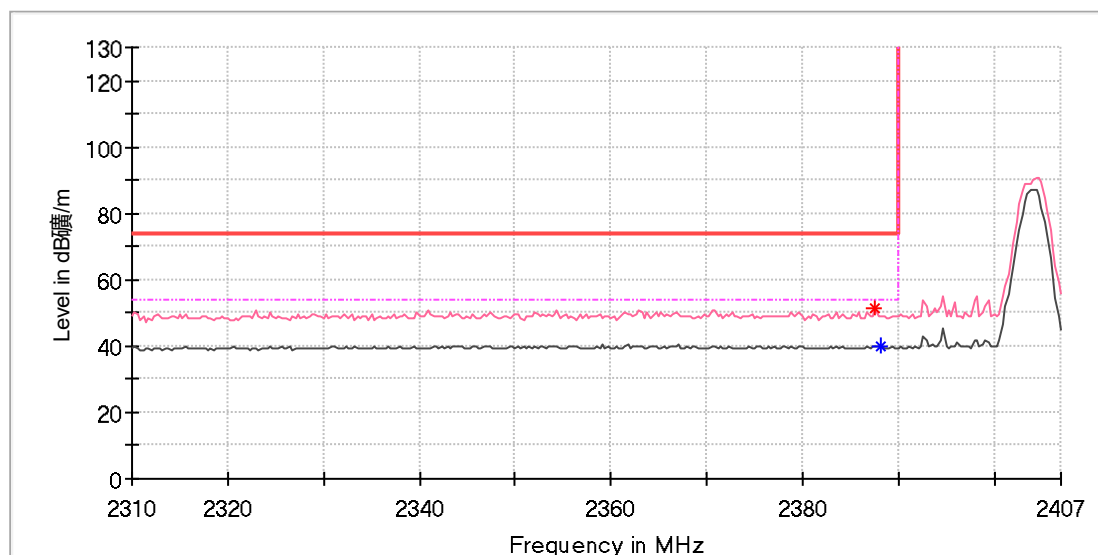
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.529412	---	39.70	54.00	14.30	150.0	H	216.0	8.5
2389.411765	52.65	---	74.00	21.35	150.0	H	25.0	8.5

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

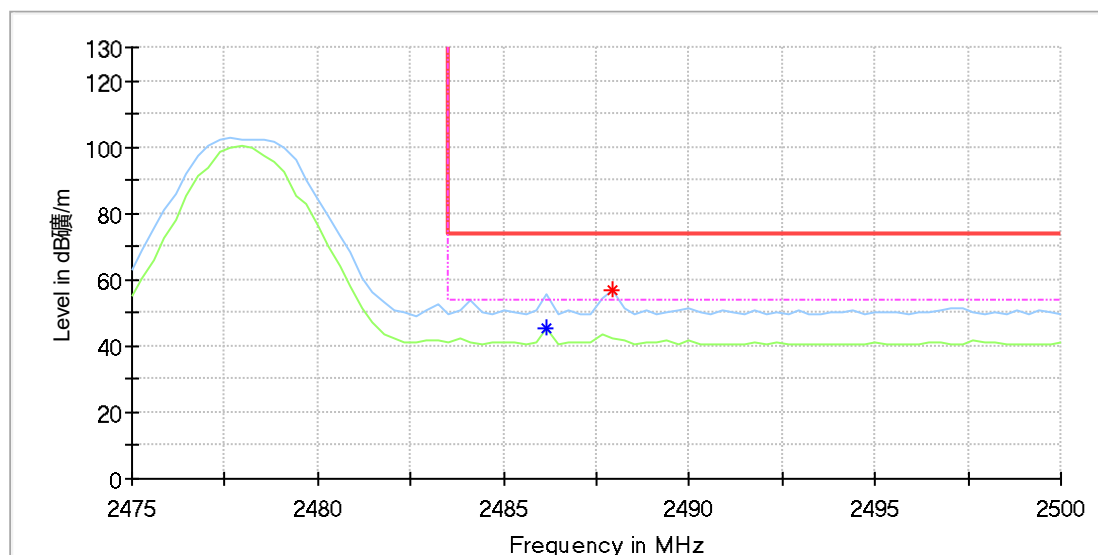
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.647059	51.28	---	74.00	22.72	150.0	V	80.0	8.5
2388.235294	---	40.13	54.00	13.87	150.0	V	208.0	8.5

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 2M_High channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

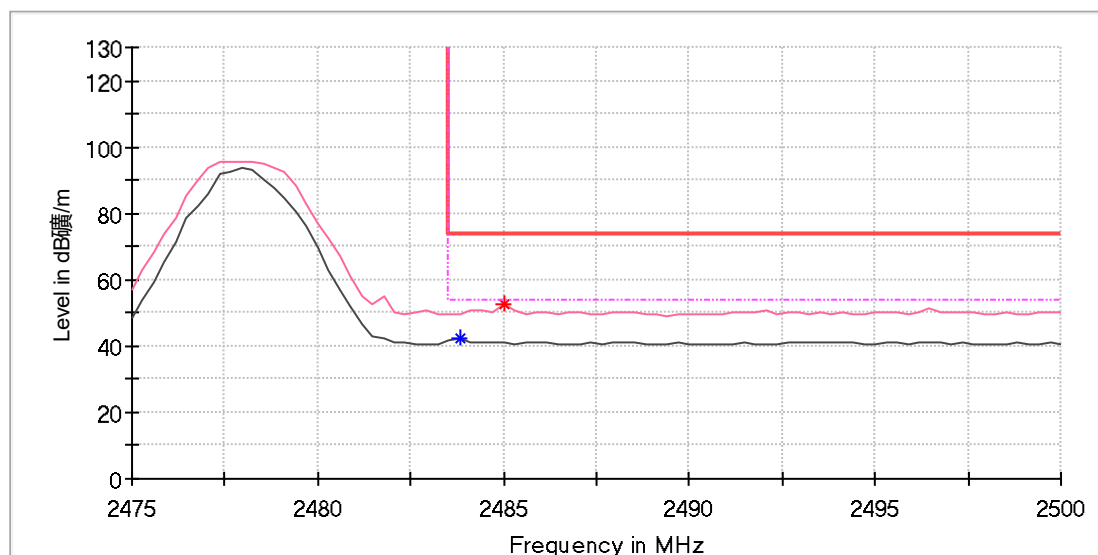
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.176471	---	45.18	54.00	8.82	150.0	H	256.0	9.0
2487.941177	57.06	---	74.00	16.94	150.0	H	237.0	9.0

Final Result

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

EUT Information

EUT Name:	Wireless Terminal
Model:	GWC11T-W01
Test Mode:	BLE 2M_High channel
Order No/Sample No:	27226937/A004233979-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:54%
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)
2483.823529	---	42.05	54.00	11.95	150.0	V	242.0	9.0
2485.000000	52.34	---	74.00	21.66	150.0	V	48.0	9.0

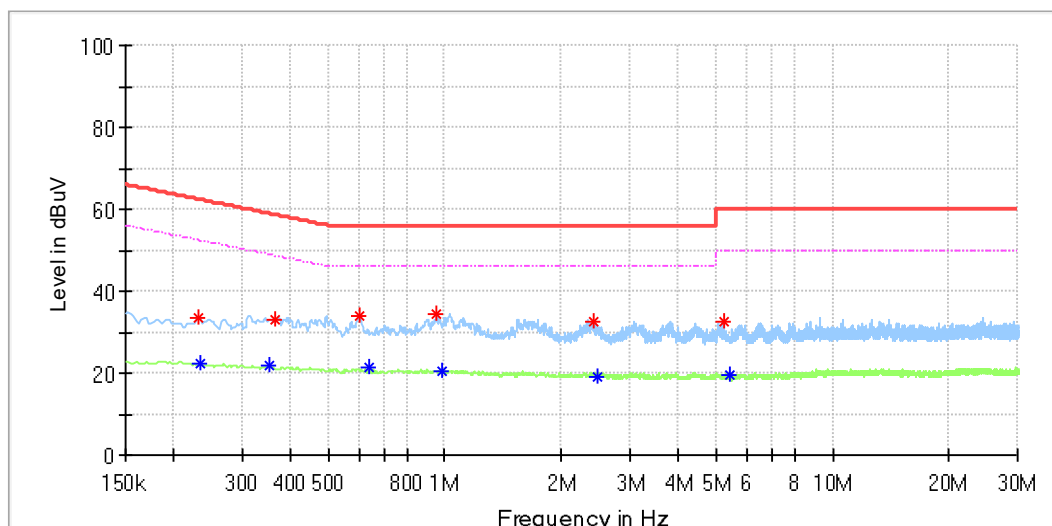
Final Result

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

Appendix A.8: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	Wireless Terminal
Order Number:	27201377 10(P02234644)
Model:	GWC11T-W01
Test Mode:	Charging with Bluetooth and Wi-Fi connecting
Test Voltage:	AC 120V/ 60Hz
Standard:	FCC PART 15 C
Test By:/Review By:	Charron Chen / Charlie Zha
Tem./Hum./Pressure:	24.2°C/51.0%/101kPa
Remark:	SR 3



Critical Freqs

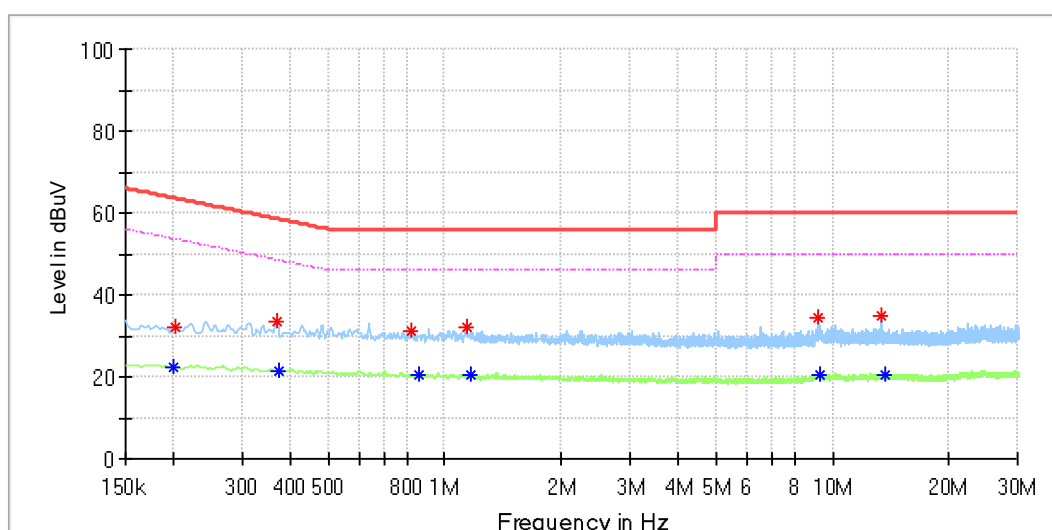
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.232	33.6	---	62.38	28.78	L1	9.7
0.235	---	22.2	52.29	30.08	L1	9.7
0.351	---	22.0	48.93	26.95	L1	9.6
0.366	33.2	---	58.58	25.42	L1	9.5
0.605	33.8	---	56.00	22.21	L1	9.6
0.640	---	21.2	46.00	24.82	L1	9.7
0.953	34.2	---	56.00	21.76	L1	9.7
0.983	---	20.3	46.00	25.74	L1	9.7
2.419	32.5	---	56.00	23.45	L1	9.6
2.463	---	19.1	46.00	26.86	L1	9.6
5.222	32.7	---	60.00	27.30	L1	9.8
5.401	---	19.5	50.00	30.54	L1	9.8

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
100.0	-100.0	-100.0	-100.0	0.0	100.0	100.0	1	0.0

EUT Information

EUT Name:	Wireless Terminal
Order Number:	27201377 10(P02234644)
Model:	GWC11T-W01
Test Mode:	Charging with Bluetooth and Wi-Fi connecting
Test Voltage:	AC 120V/ 60Hz
Standard:	Wireless Terminal
Test By:/Review By:	Charron Chen / Charlie Zha
Tem./Hum./Pressure:	24.2°C/51.0%/101kPa
Remark:	SR 3



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.200	---	22.5	53.62	31.15	N	9.9
0.202	32.2	---	63.52	31.29	N	9.9
0.369	33.4	---	58.53	25.12	N	9.9
0.371	---	21.4	48.47	27.11	N	9.9
0.822	30.9	---	56.00	25.06	N	9.8
0.854	---	20.4	46.00	25.63	N	9.8
1.140	32.1	---	56.00	23.90	N	9.8
1.172	---	20.4	46.00	25.59	N	9.8
9.202	34.3	---	60.00	25.74	N	9.7
9.262	---	20.7	50.00	29.33	N	9.7
13.329	35.0	---	60.00	25.04	N	9.6
13.615	---	20.3	50.00	29.74	N	9.6

Final Result

[illegible]