

Appendix A: Test Results of Bluetooth LE

APPENDIX A: TEST RESULTS OF BLUETOOTH LE	1
APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
<i>Test Result</i>	2
<i>Test Graphs</i>	3
APPENDIX A.2: TEST RESULTS OF 6DB BANDWIDTH	4
<i>Test Result</i>	4
<i>Test Graphs</i>	5
APPENDIX A.3: TEST RESULTS OF 99% BANDWIDTH	6
<i>Test Result</i>	6
<i>Test Graphs</i>	7
APPENDIX A.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH	8
<i>Test Result</i>	8
<i>Test Graphs</i>	9
APPENDIX A.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	12
30 MHz to 1GHz.....	12
1GHz-18GHz	14
APPENDIX A.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	26

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

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.42	≤8.00	PASS
		2440	-14.44	≤8.00	PASS
		2480	-14.27	≤8.00	PASS

Test Graphs

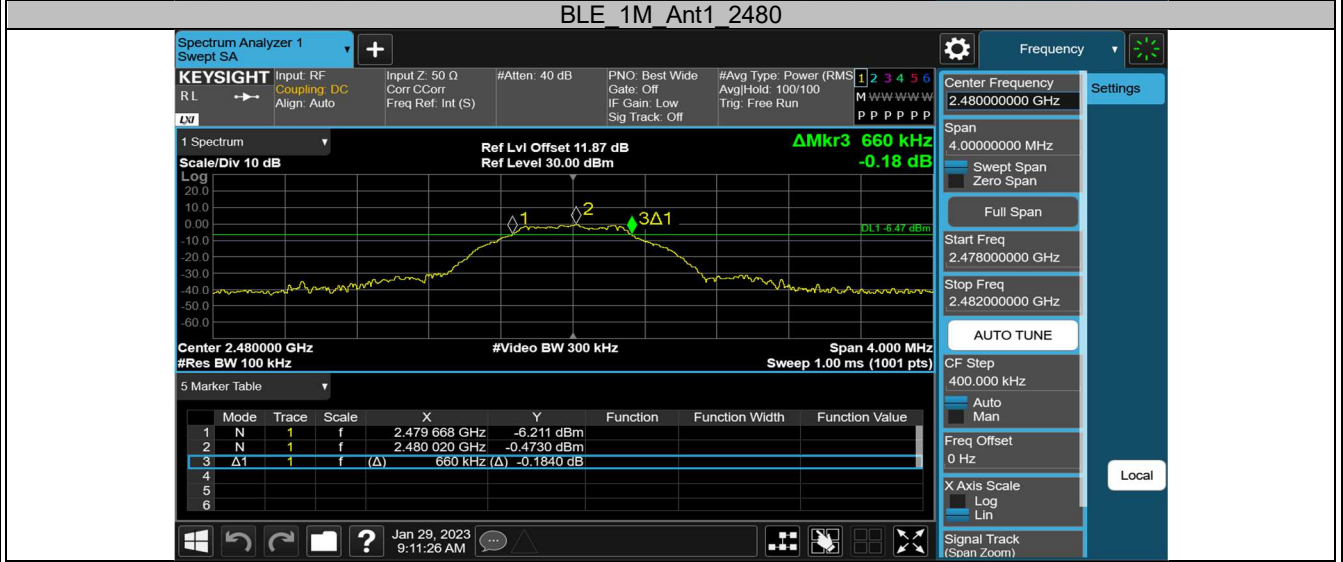
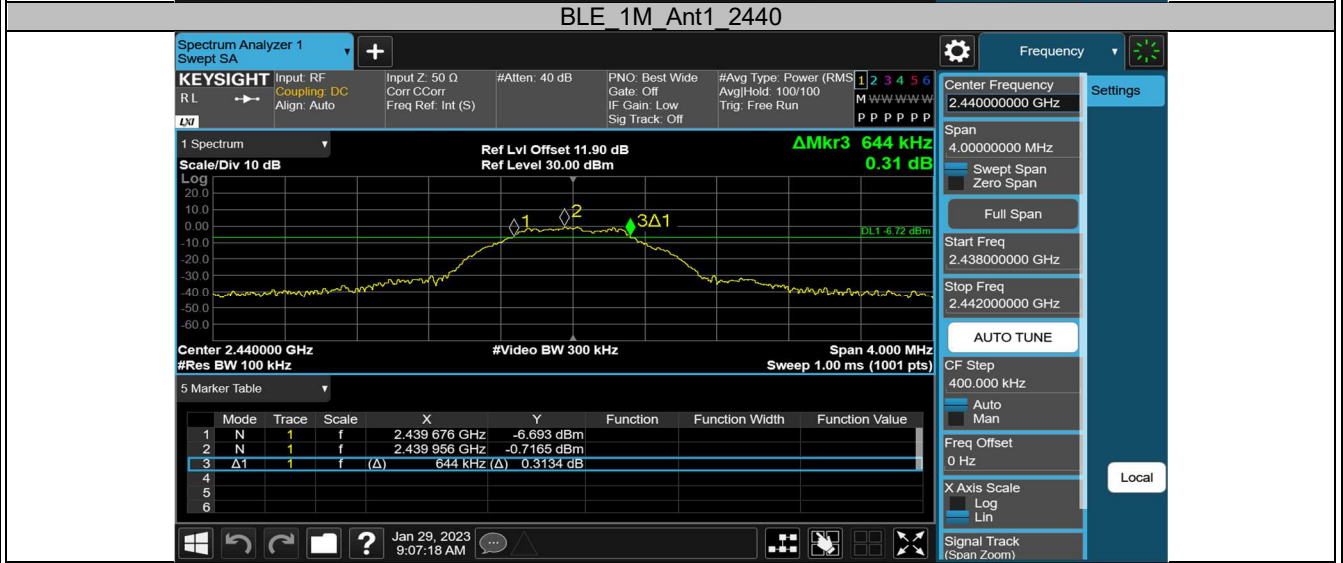
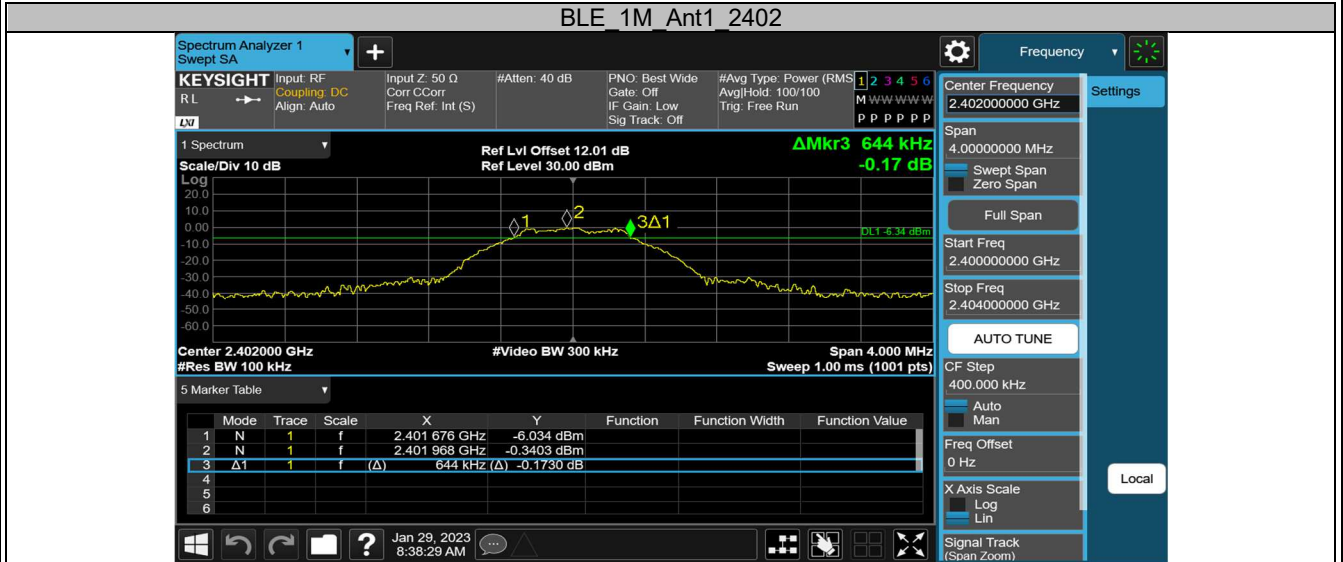


Appendix A.2: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.644	2401.676	2402.320	0.5	PASS
		2440	0.644	2439.676	2440.320	0.5	PASS
		2480	0.660	2479.668	2480.328	0.5	PASS

Test Graphs

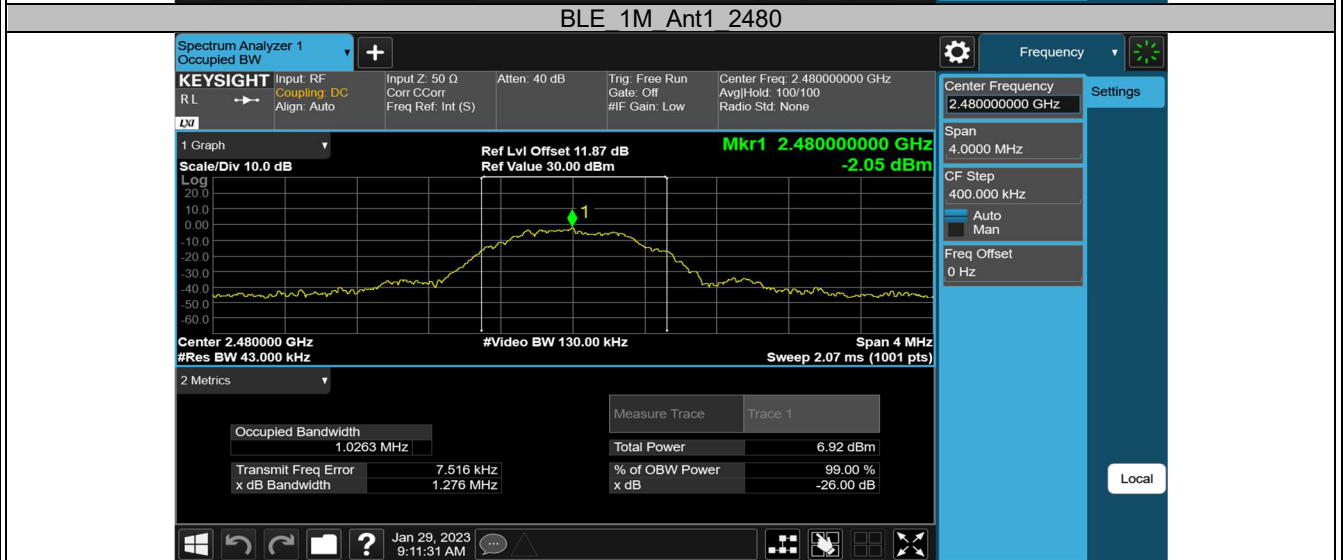
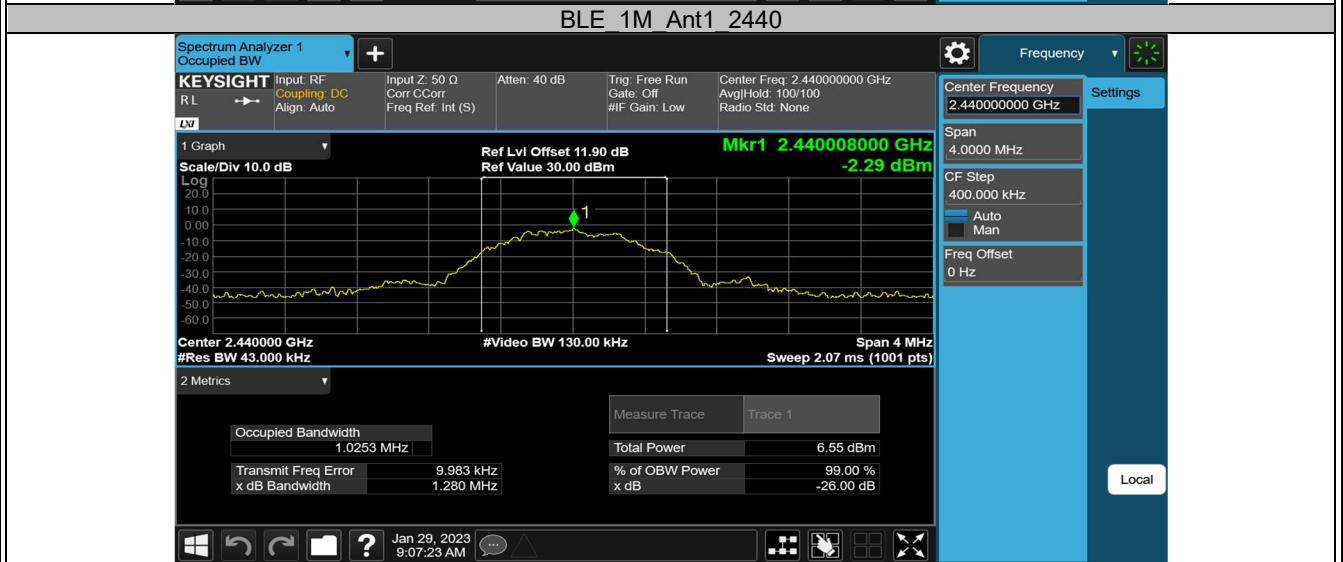
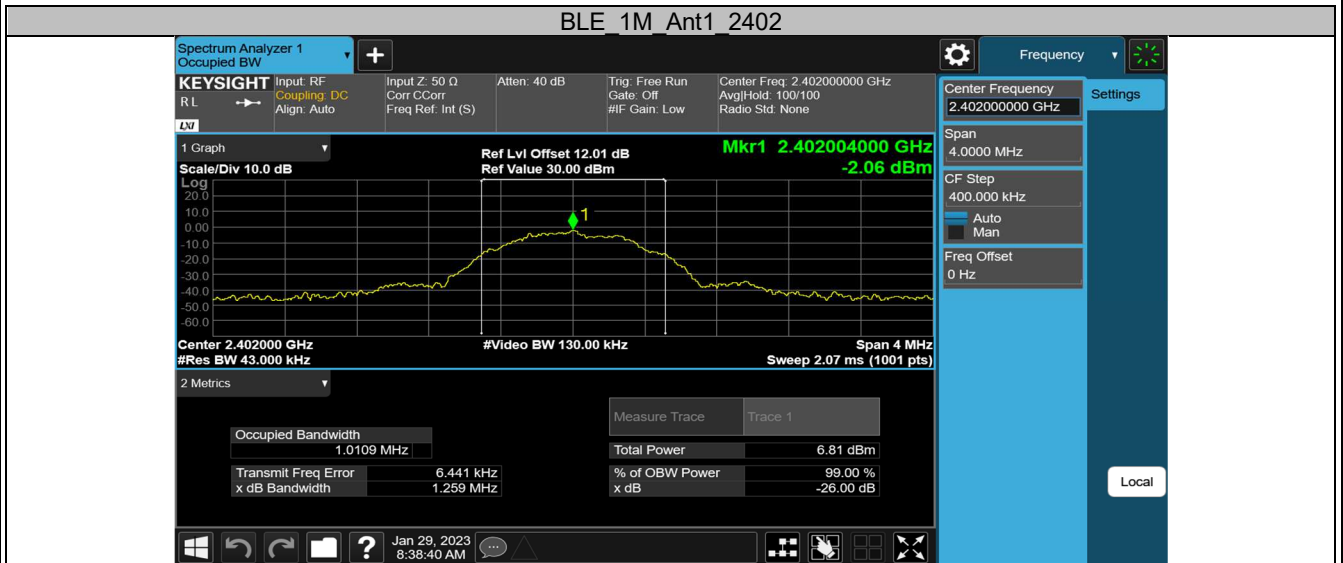


Appendix A.3: Test Results of 99% Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0109	2401.5010	2402.5119	---	---
		2440	1.0253	2439.4973	2440.5226	---	---
		2480	1.0263	2479.4944	2480.5207	---	---

Test Graphs

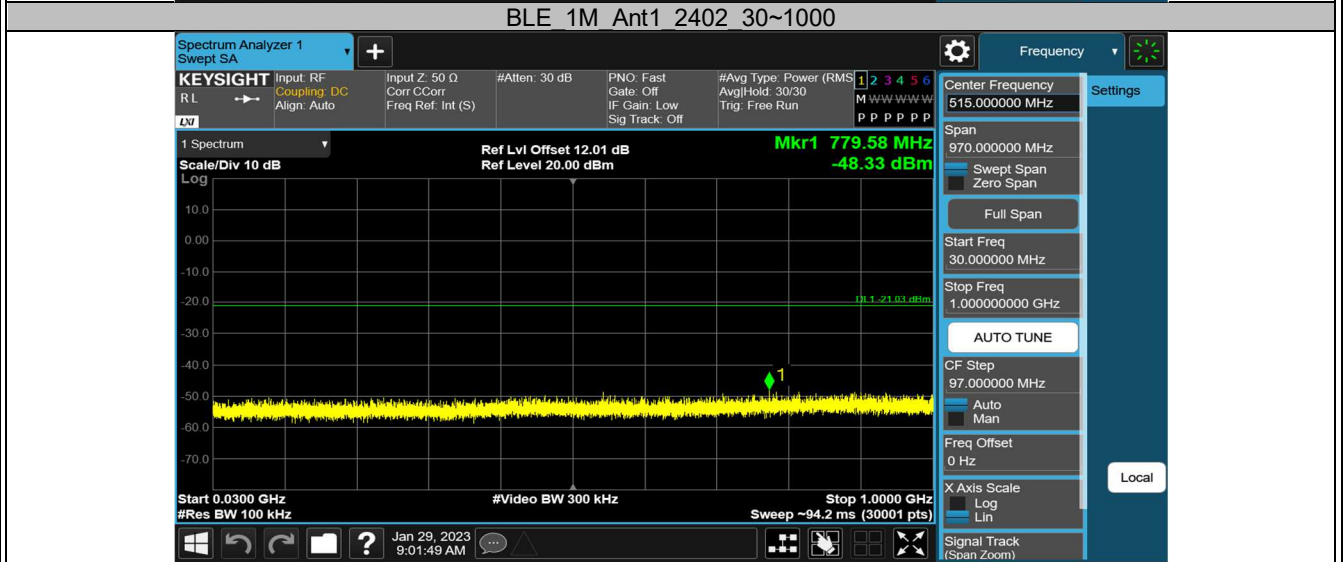
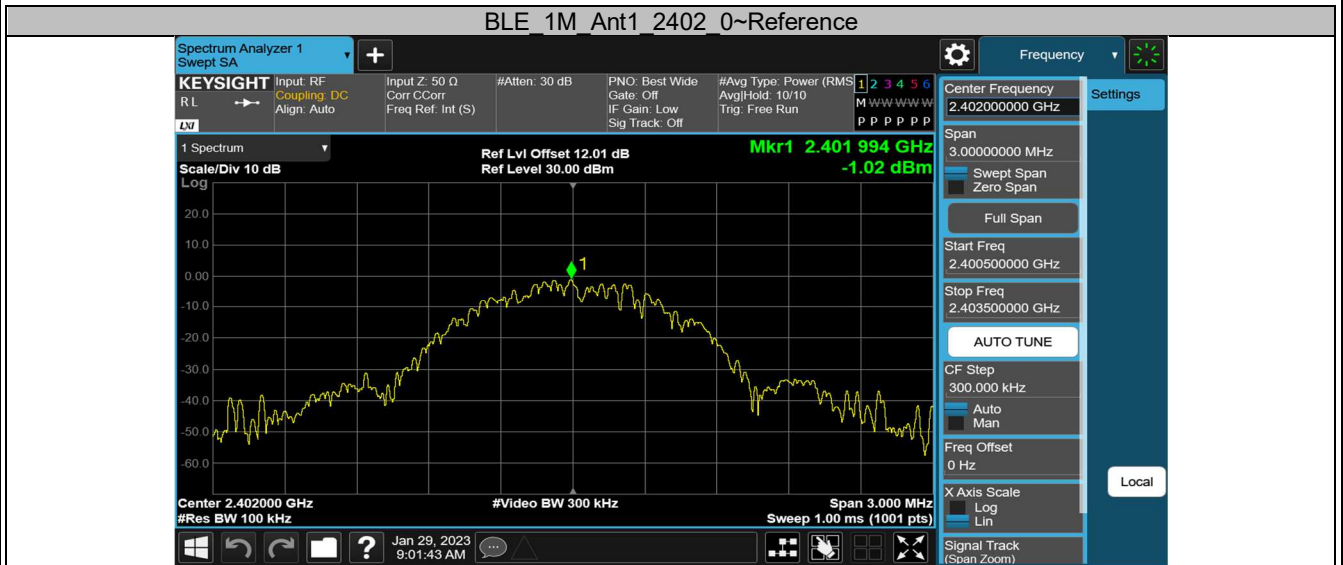


Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Test Result

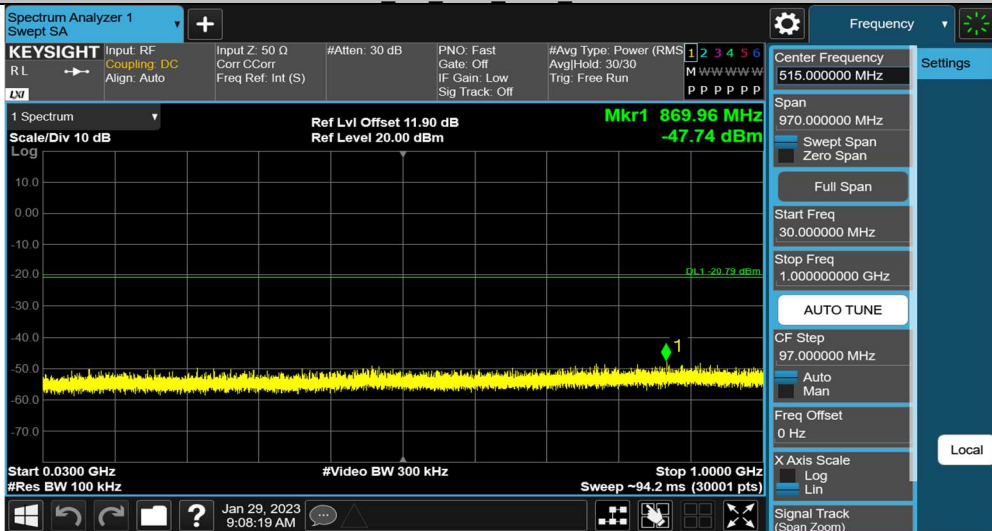
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-48.33	≤-21.03	PASS
			1000~26500	-1.03	-39.43	≤-21.03	PASS
		2440	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-47.74	≤-20.79	PASS
			1000~26500	-0.79	-39.67	≤-20.79	PASS
		2480	Reference	-0.62	-0.62	---	PASS
			30~1000	-0.62	-48.7	≤-20.62	PASS
			1000~26500	-0.62	-39.85	≤-20.62	PASS

Test Graphs

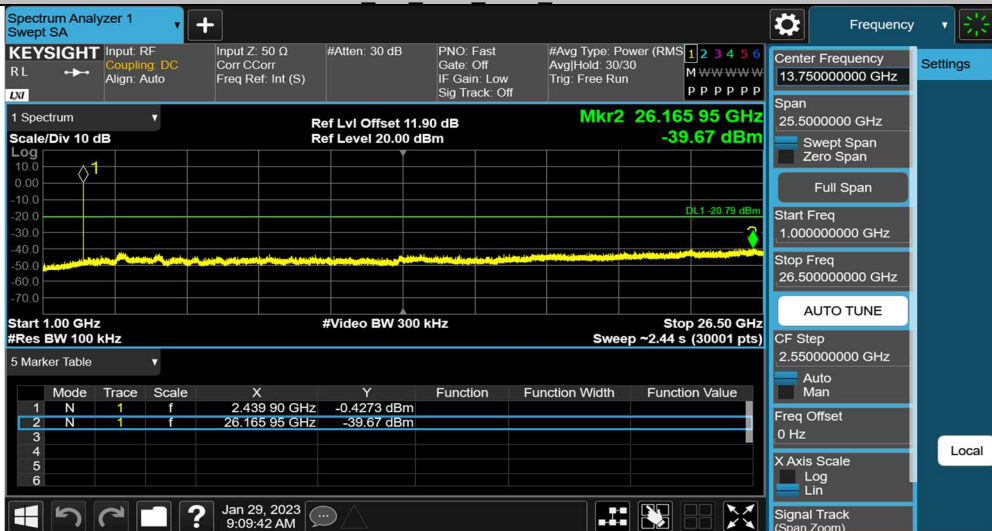




BLE 1M Ant1 2440 30~1000



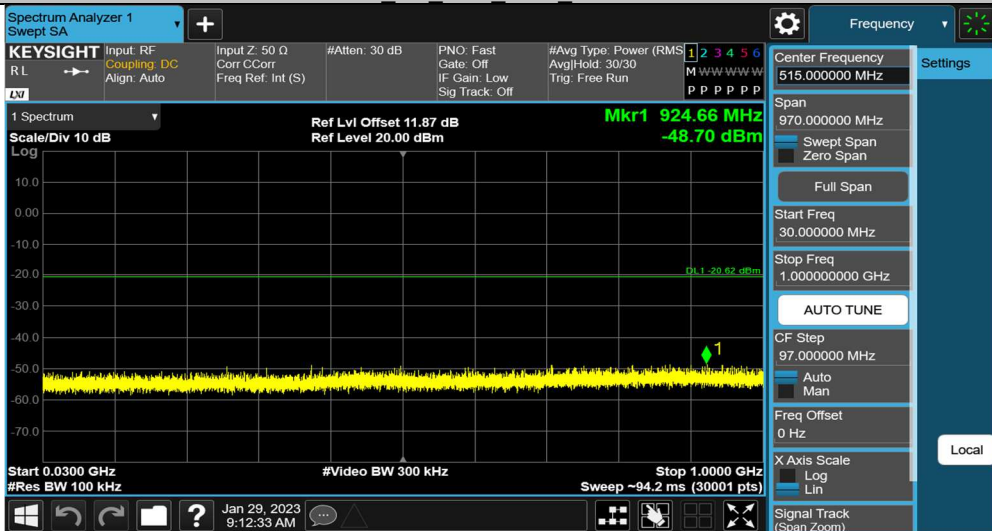
BLE 1M Ant1 2440 1000~26500



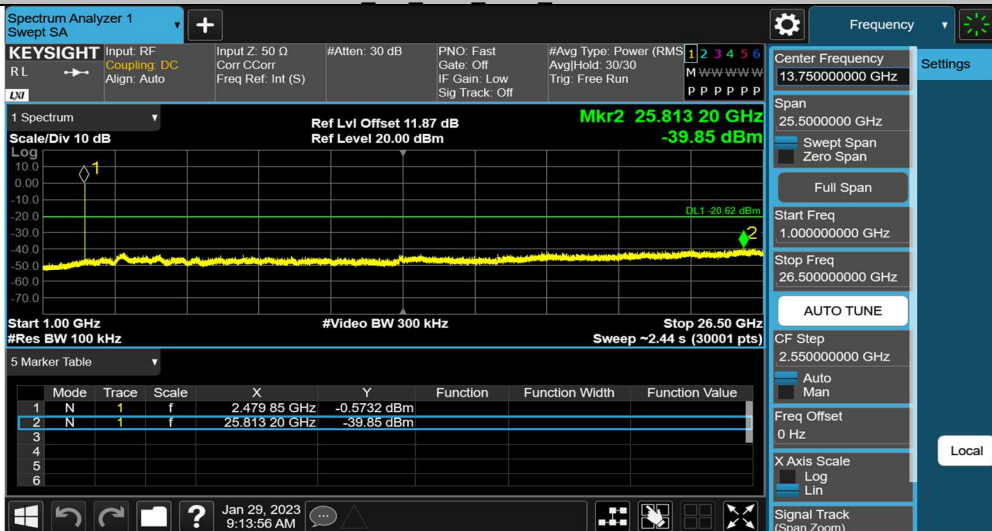
BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



BLE 1M Ant1 2480 1000~26500



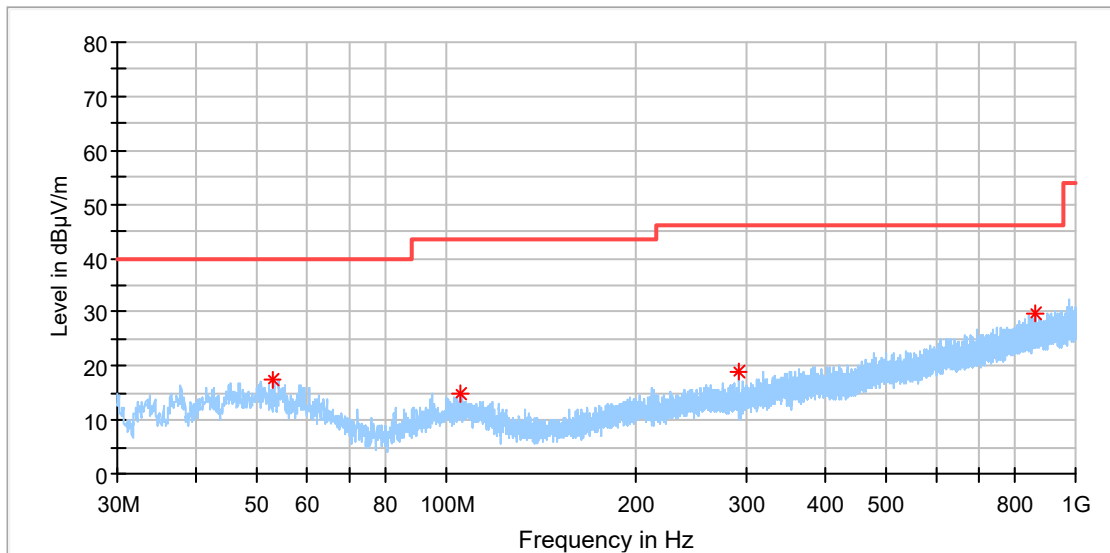
Appendix A.5: Test Results of Radiated Spurious Emissions

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.

EUT Information

EUT Name:	TRUE VIE I3 Continuous Glucose Monitoring System
Model:	I3
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168393288/A003400692-005
Test Voltage::	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

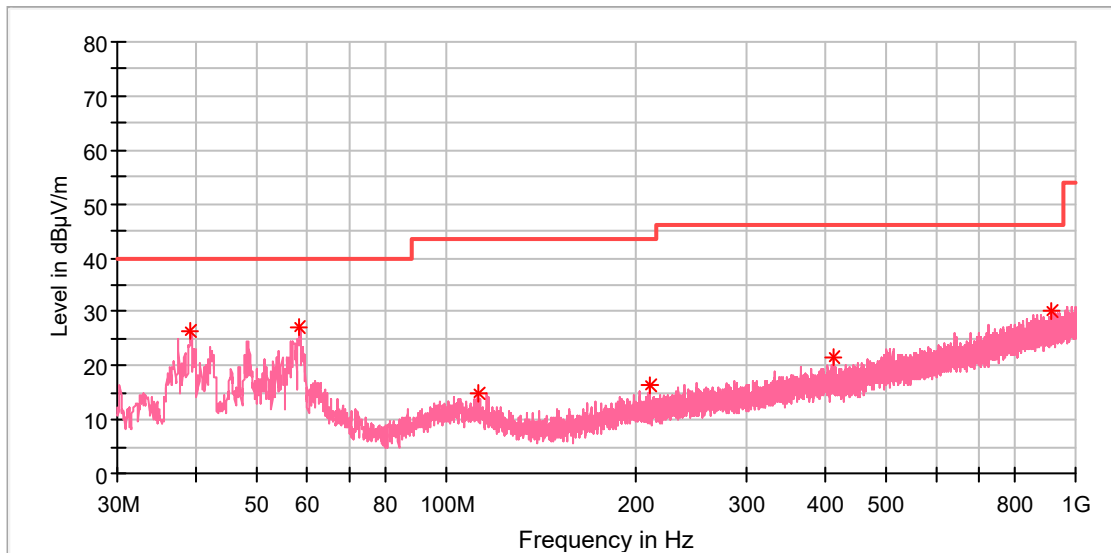
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
53.134500	17.55	40.00	22.45	100.0	H	136.0	-18.4
105.417500	14.93	43.50	28.57	100.0	H	128.0	-18.8
292.385000	18.80	46.00	27.20	100.0	H	342.0	-16.5
862.599500	29.70	46.00	16.30	100.0	H	320.0	-5.3

Final_Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

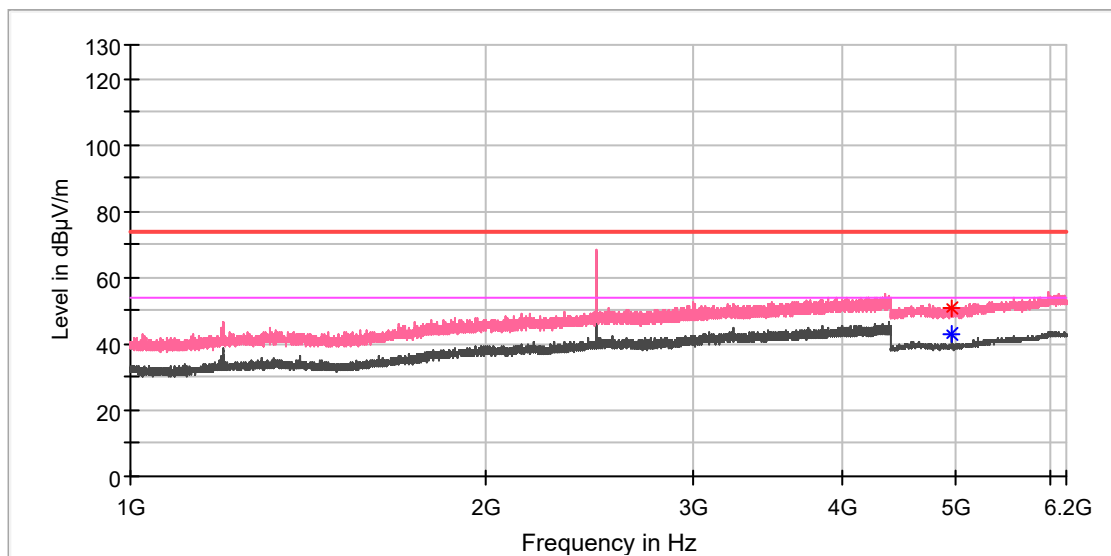
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.263500	26.26	40.00	13.74	100.0	V	0.0	-20.4
58.469500	26.99	40.00	13.01	100.0	V	70.0	-18.8
112.062000	14.83	43.50	28.67	100.0	V	77.0	-19.4
210.662500	16.56	43.50	26.94	100.0	V	188.0	-18.9
413.829000	21.50	46.00	24.50	100.0	V	35.0	-13.5
918.229000	30.01	46.00	15.99	100.0	V	121.0	-4.8

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

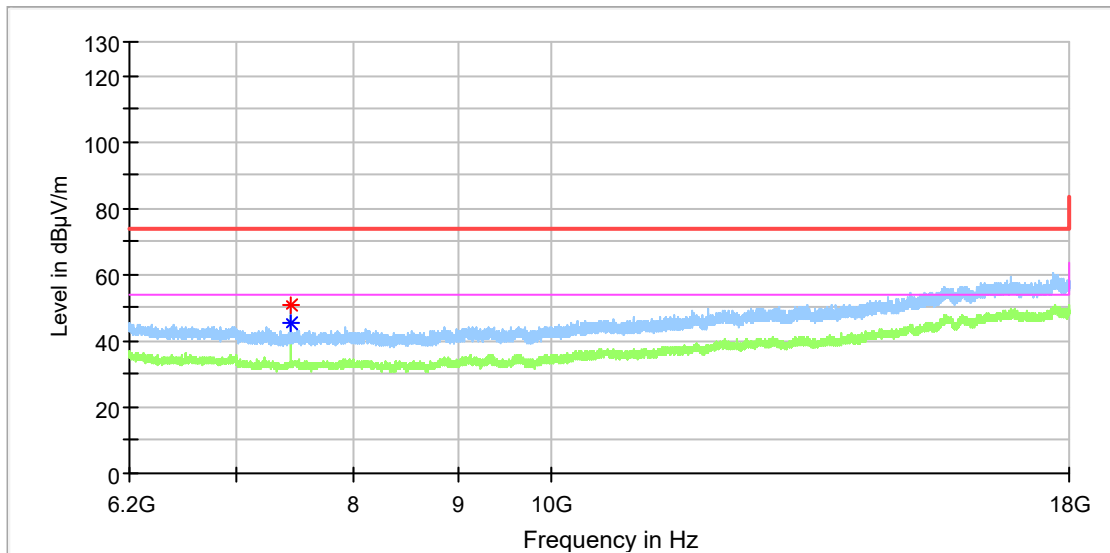
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	---	43.09	54.00	10.91	100.0	V	263.0	11.8
4961.000000	50.81	---	74.00	23.19	100.0	V	336.0	11.8

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

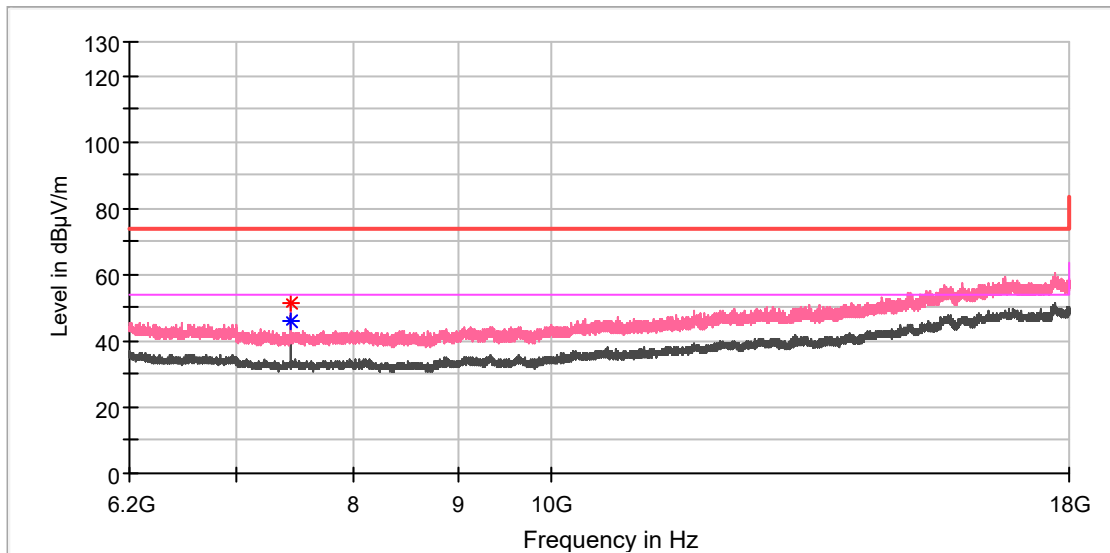
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	50.93	---	74.00	23.07	100.0	H	47.0	8.4
7440.475000	---	45.15	54.00	8.85	100.0	H	34.0	8.4

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

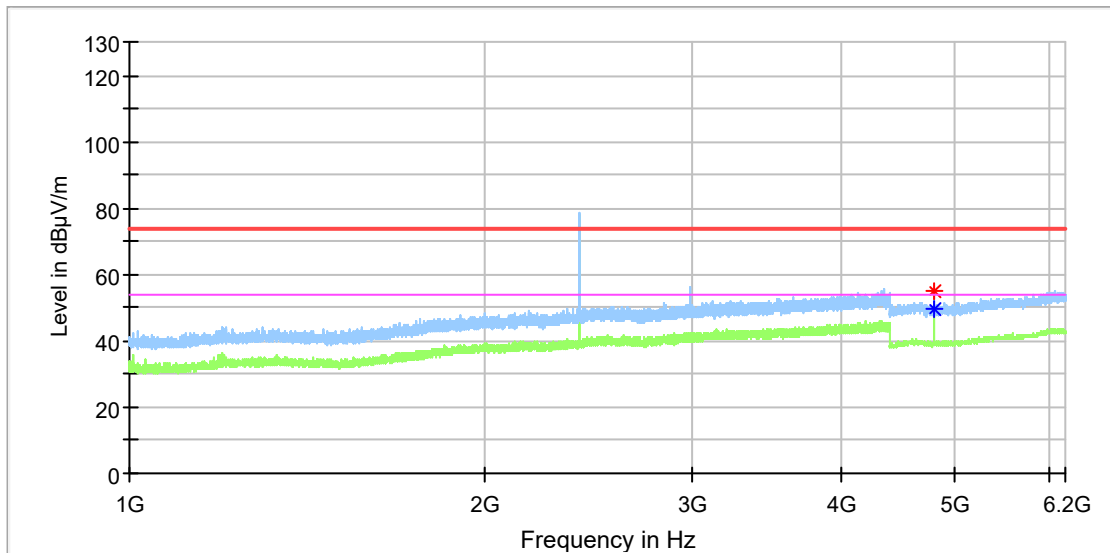
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.000000	51.16	---	74.00	22.84	100.0	V	355.0	8.4
7439.983333	---	46.06	54.00	7.94	100.0	V	355.0	8.4

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

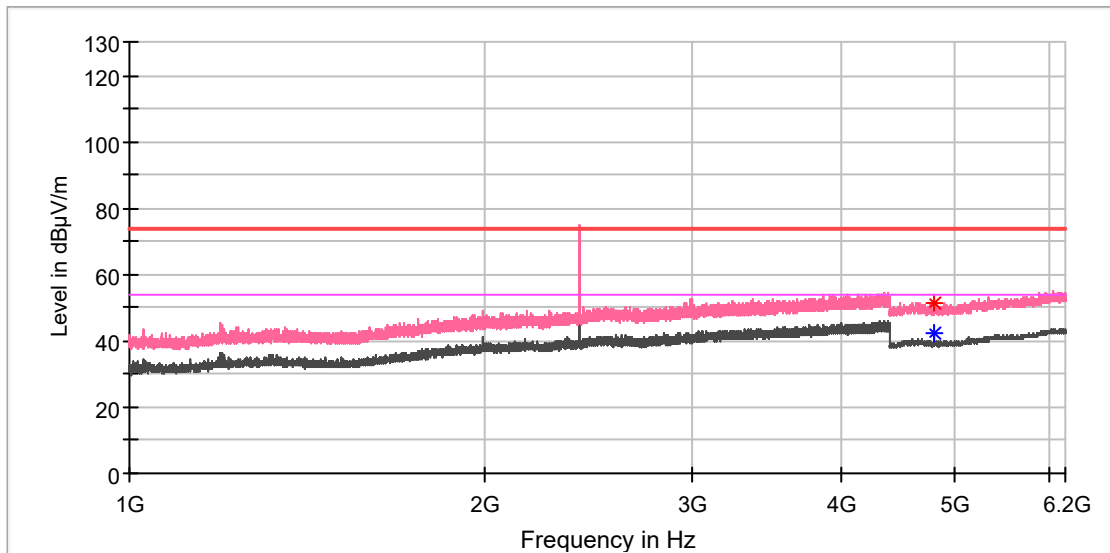
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	54.96	---	74.00	19.04	100.0	H	4.0	11.8
4804.000000	---	49.31	54.00	4.69	100.0	H	4.0	11.8

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

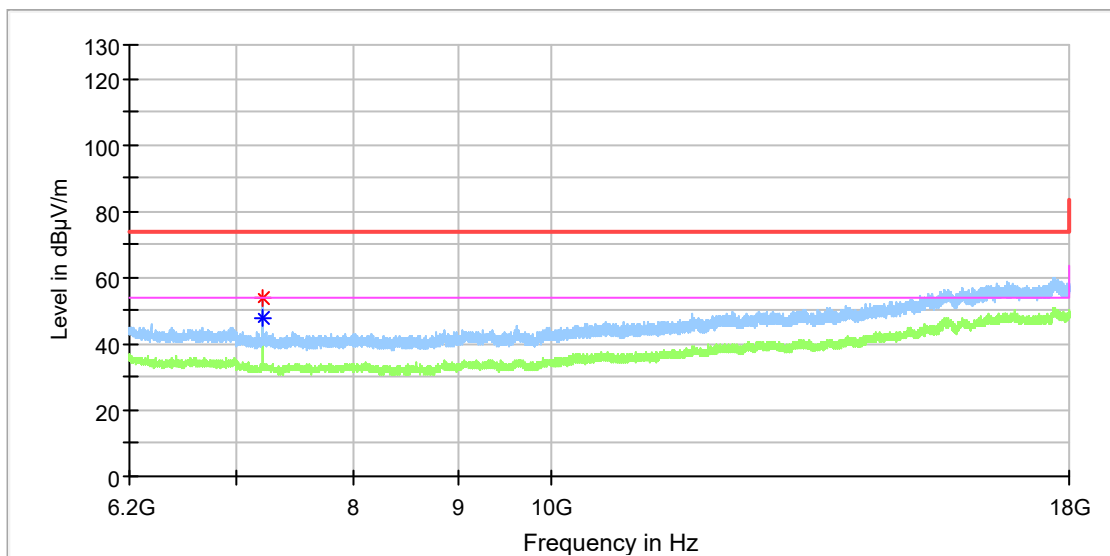
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	51.40	---	74.00	22.60	100.0	V	206.0	11.8
4804.000000	---	42.61	54.00	11.39	100.0	V	212.0	11.8

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

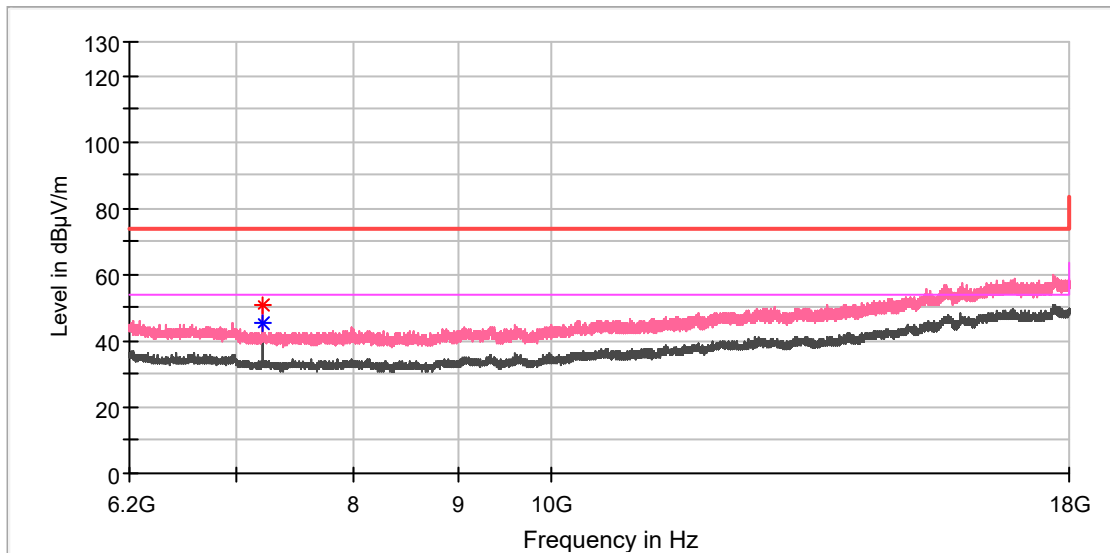
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	53.72	---	74.00	20.28	100.0	H	25.0	8.8
7206.441667	---	47.78	54.00	6.22	100.0	H	37.0	8.8

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

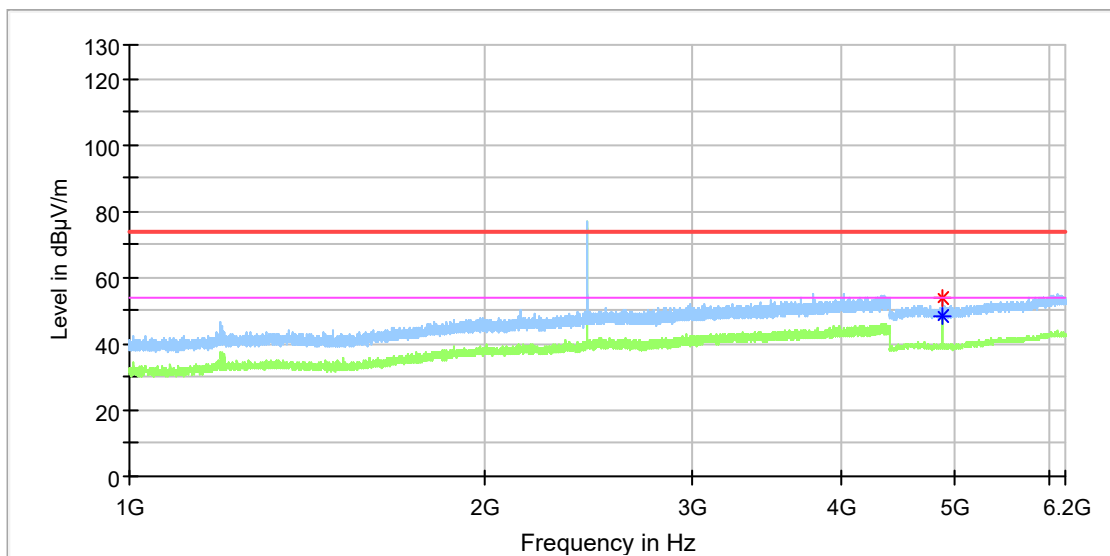
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	---	45.06	54.00	8.94	100.0	V	340.0	8.8
7206.441667	50.50	---	74.00	23.50	100.0	V	340.0	8.8

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

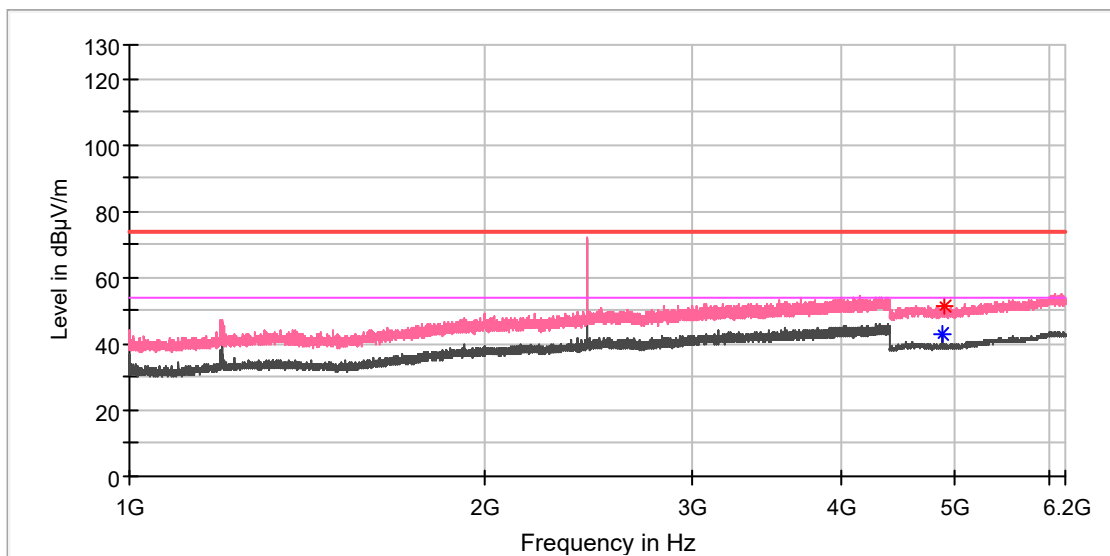
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4880.000000	---	48.42	54.00	5.58	100.0	H	10.0	11.8
4880.500000	53.63	---	74.00	20.37	100.0	H	356.0	11.8

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

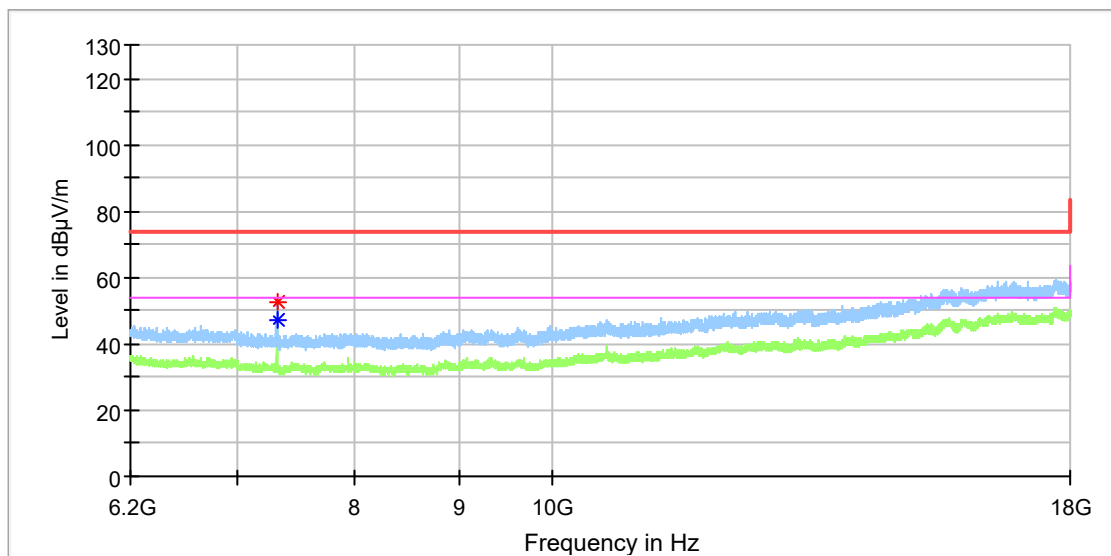
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4880.000000	---	42.96	54.00	11.04	100.0	V	223.0	11.8
4897.000000	51.13	---	74.00	22.87	100.0	V	141.0	11.8

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

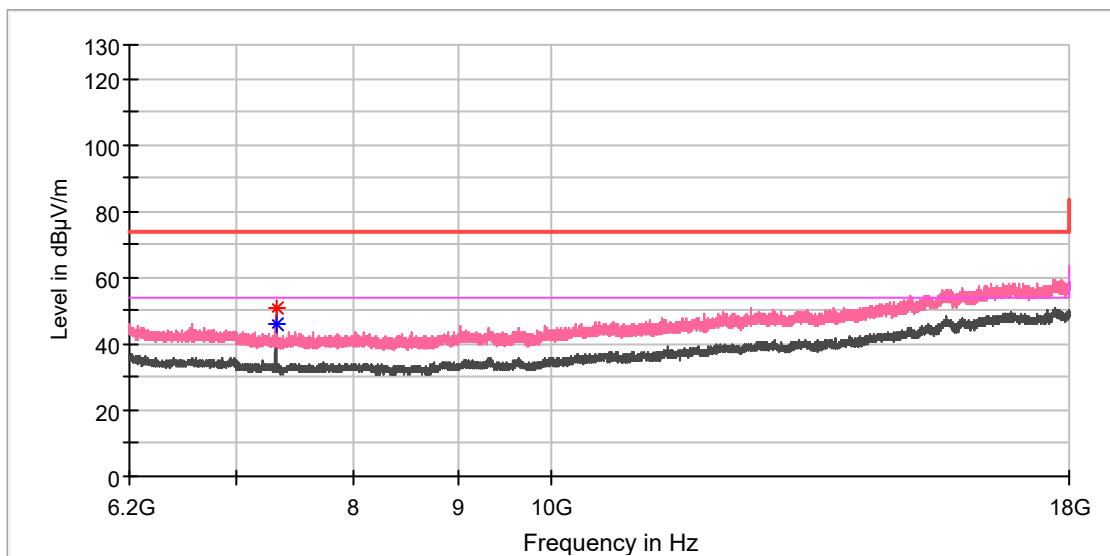
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.033333	52.43	---	74.00	21.57	100.0	H	41.0	8.2
7320.508333	---	47.05	54.00	6.95	100.0	H	41.0	8.2

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 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)
7320.016667	---	45.88	54.00	8.12	100.0	V	48.0	8.2
7320.508333	50.61	---	74.00	23.39	100.0	V	48.0	8.2

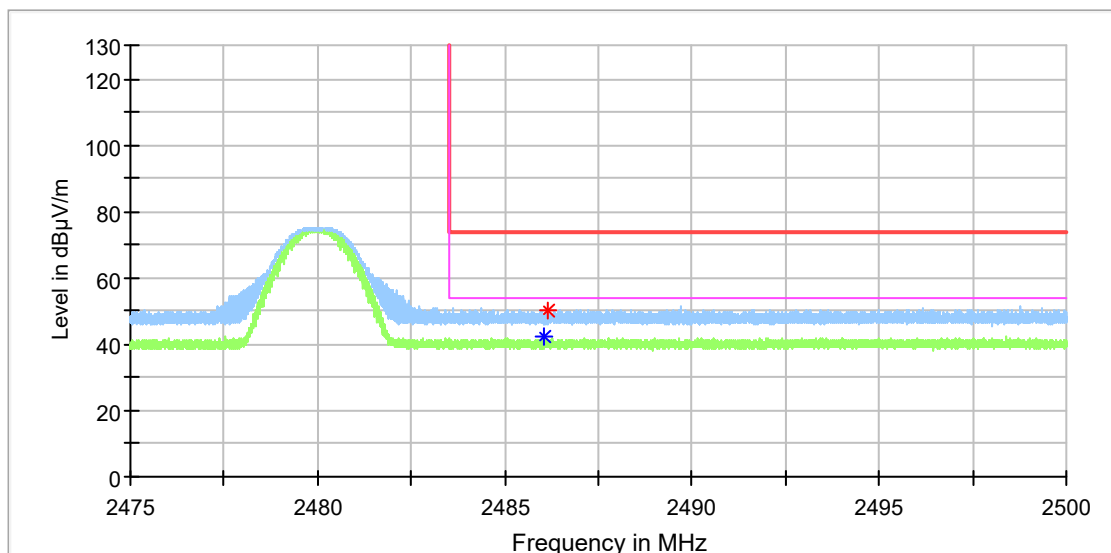
Final Result

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

Appendix A.6: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

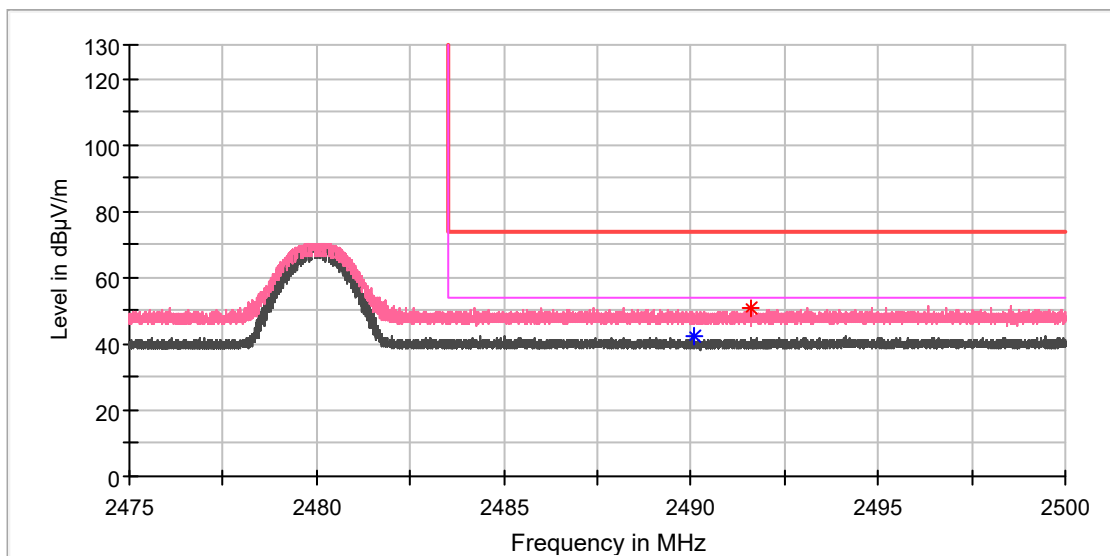
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.067500	---	42.21	54.00	11.79	100.0	H	14.0	7.4
2486.171250	50.31	---	74.00	23.69	100.0	H	336.0	7.4

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

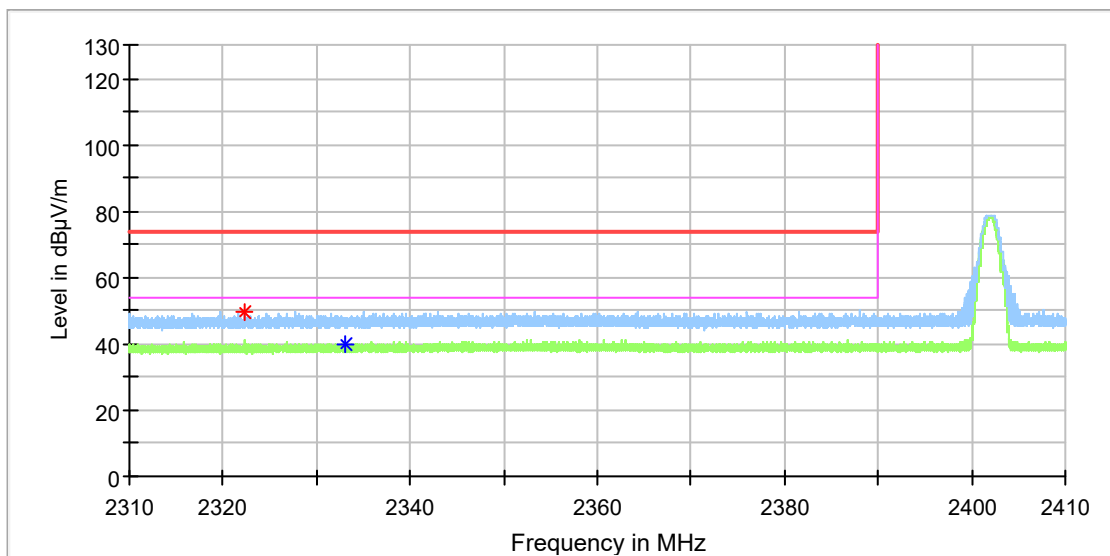
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2490.095000	---	42.07	54.00	11.93	100.0	V	230.0	7.4
2491.575000	50.74	---	74.00	23.26	100.0	V	335.0	7.4

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

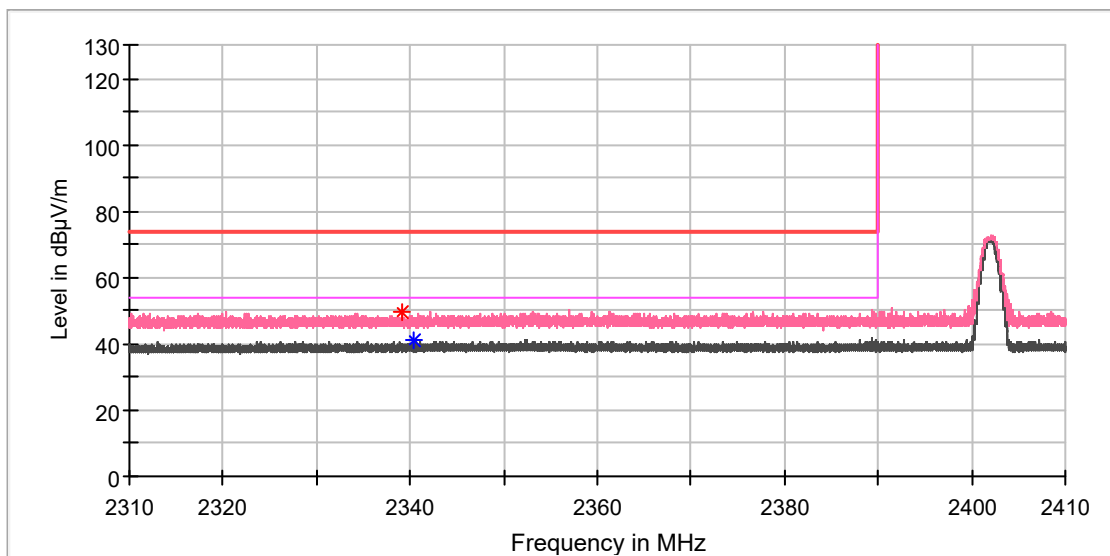
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2322.235000	49.74	---	74.00	24.26	100.0	H	289.0	6.6
2332.985000	---	39.99	54.00	14.01	100.0	H	88.0	6.7

Final Result

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

EUT Information

EUT Name: TRUE VIE I3 Continuous Glucose Monitoring System
 Model: I3
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168393288/A003400692-005
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 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)
2338.995000	49.56	---	74.00	24.44	100.0	V	132.0	6.8
2340.345000	---	40.99	54.00	13.01	100.0	V	321.0	6.8

Final Result

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