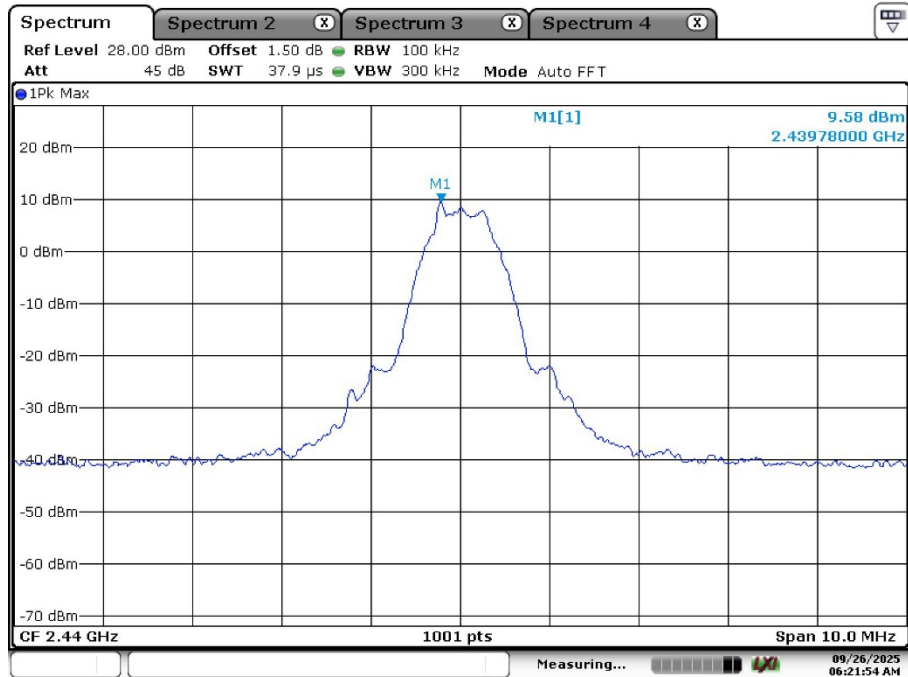
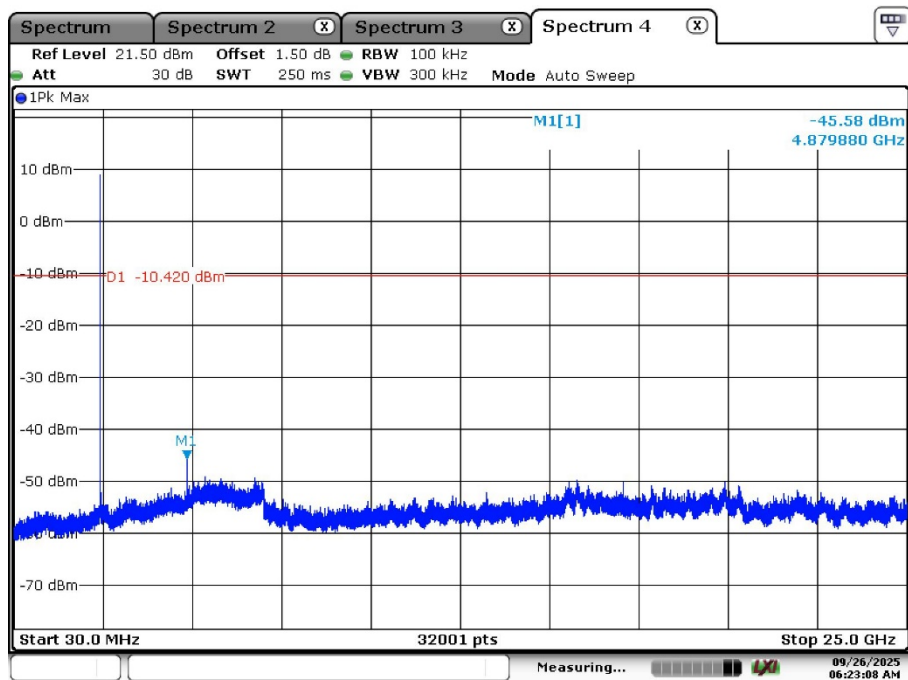


Middle Channel:

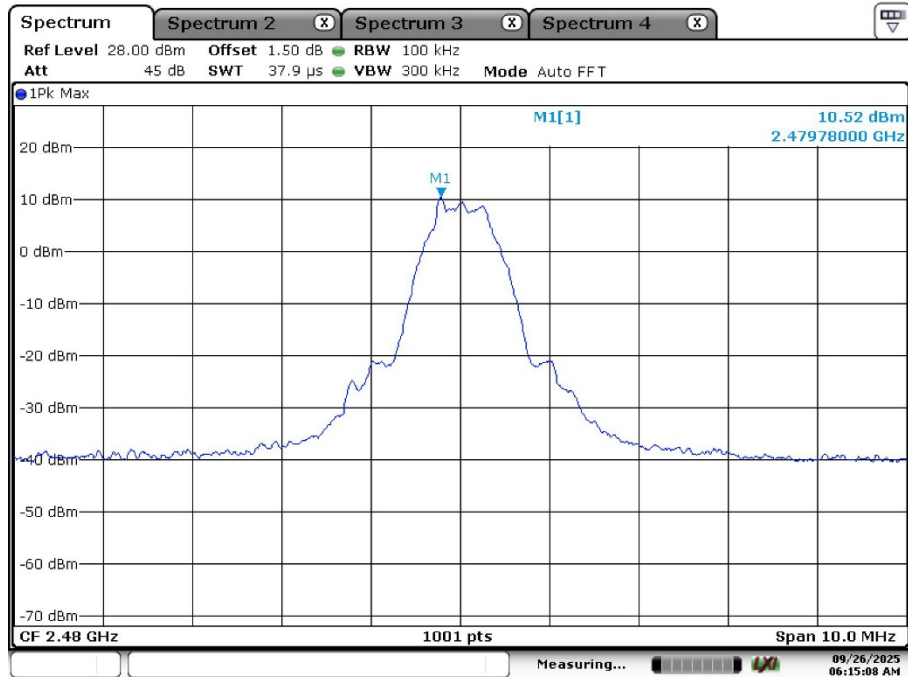


Date: 26.SEP.2025 06:21:54

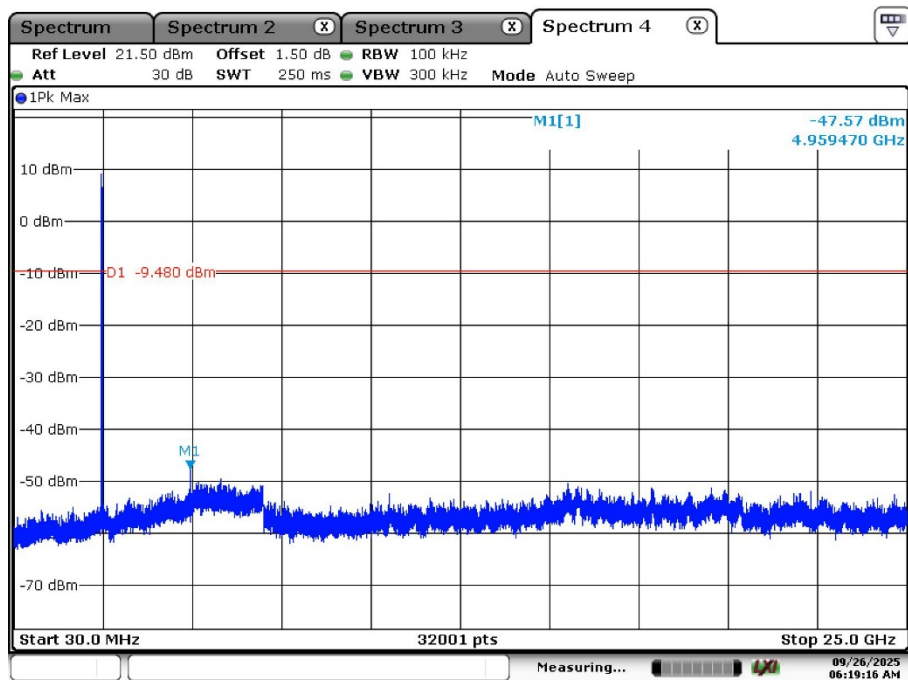


Date: 26.SEP.2025 06:23:08

High Channel:



Date: 26.SEP.2025 06:15:08

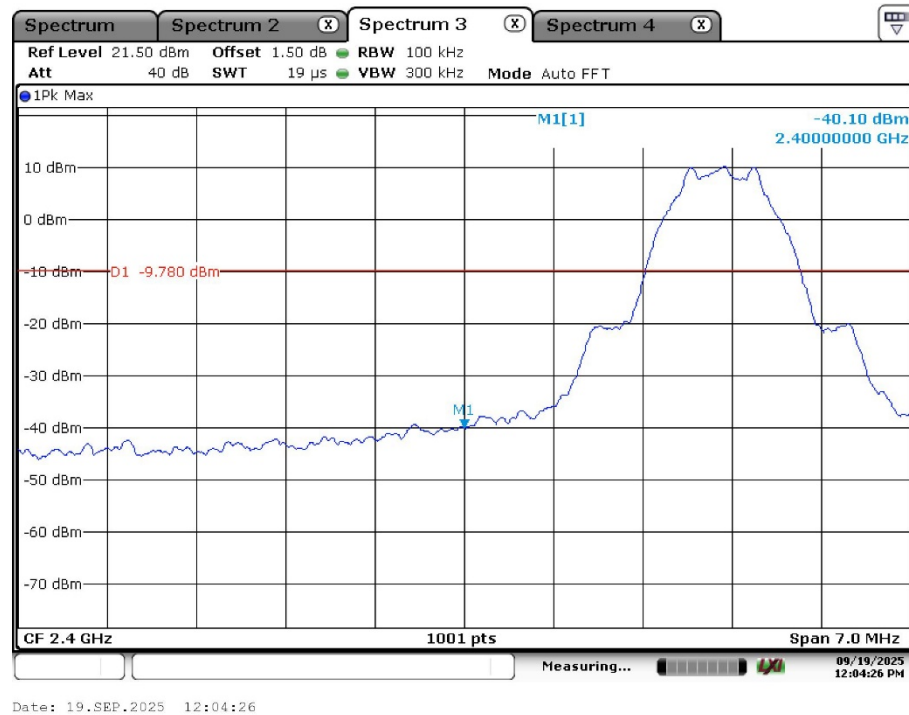


Date: 26.SEP.2025 06:19:16

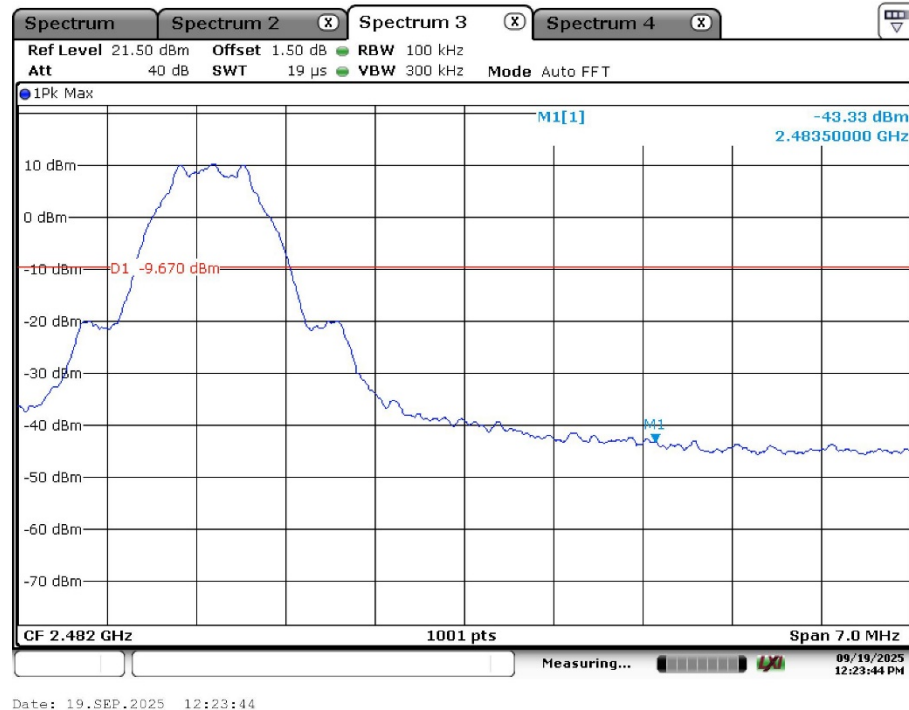
Bluetooth LE, 1Mbps

Band Edge

Low Channel

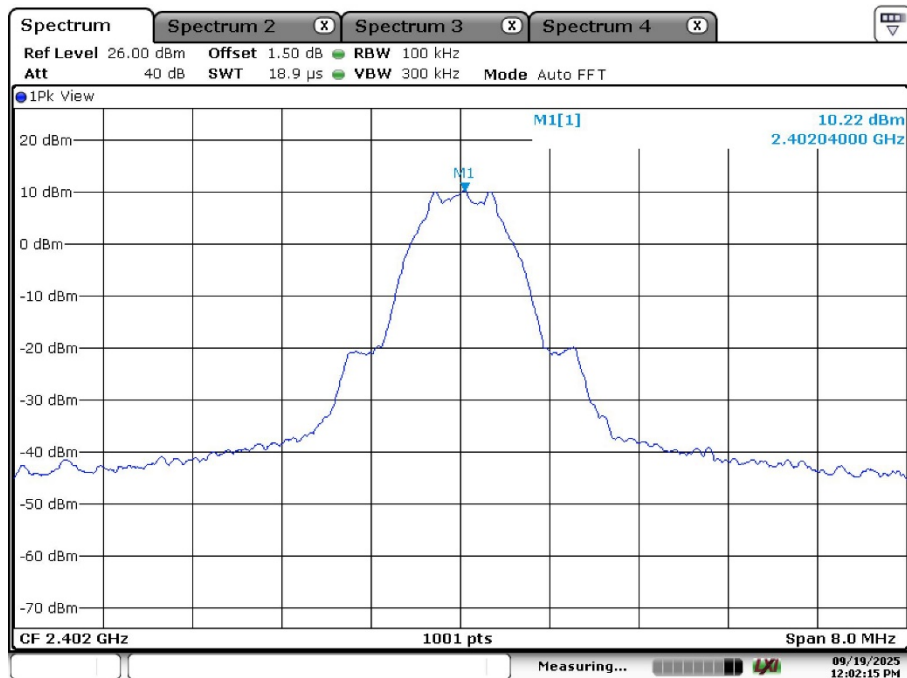


High Channel

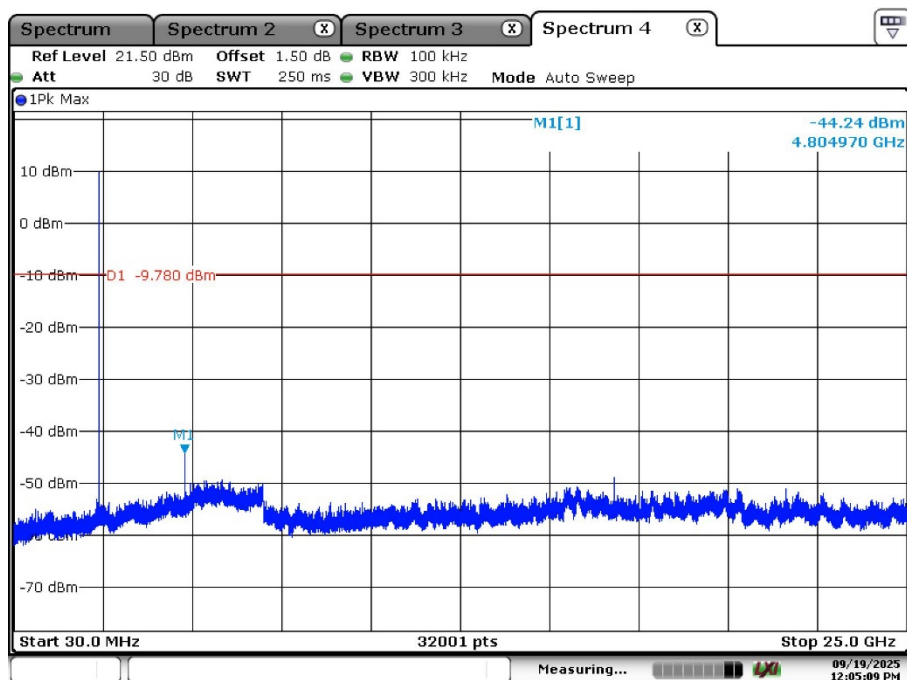


Conducted Spurious Emission

Low Channel:

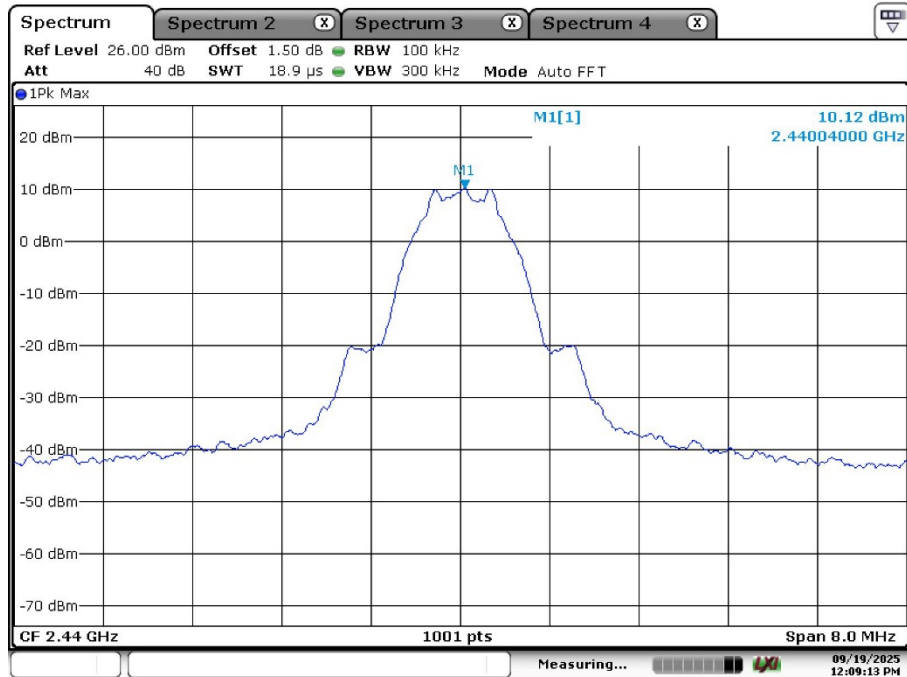


Date: 19.SEP.2025 12:02:15

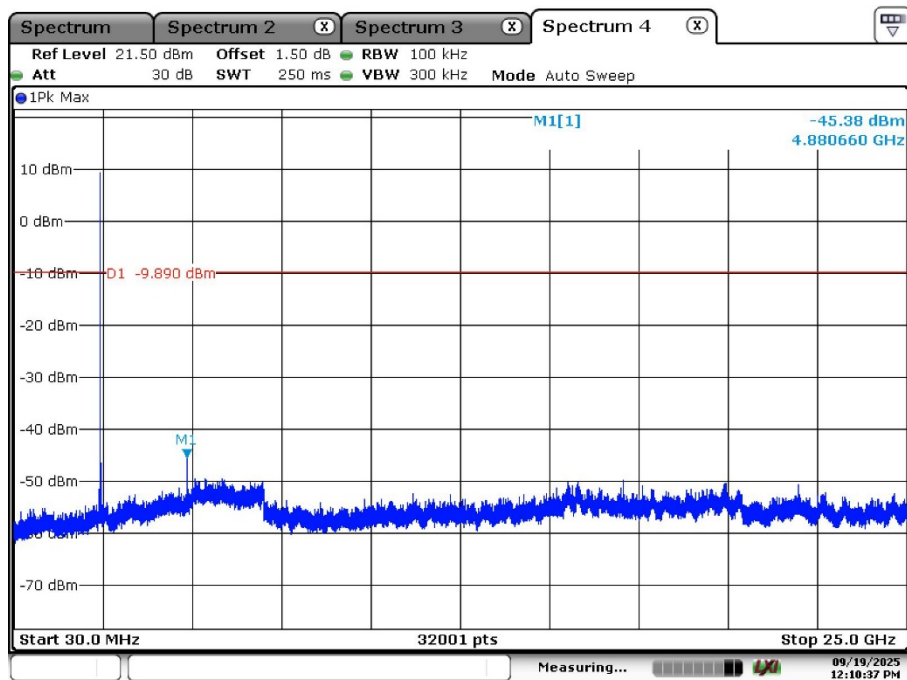


Date: 19.SEP.2025 12:05:09

Middle Channel:

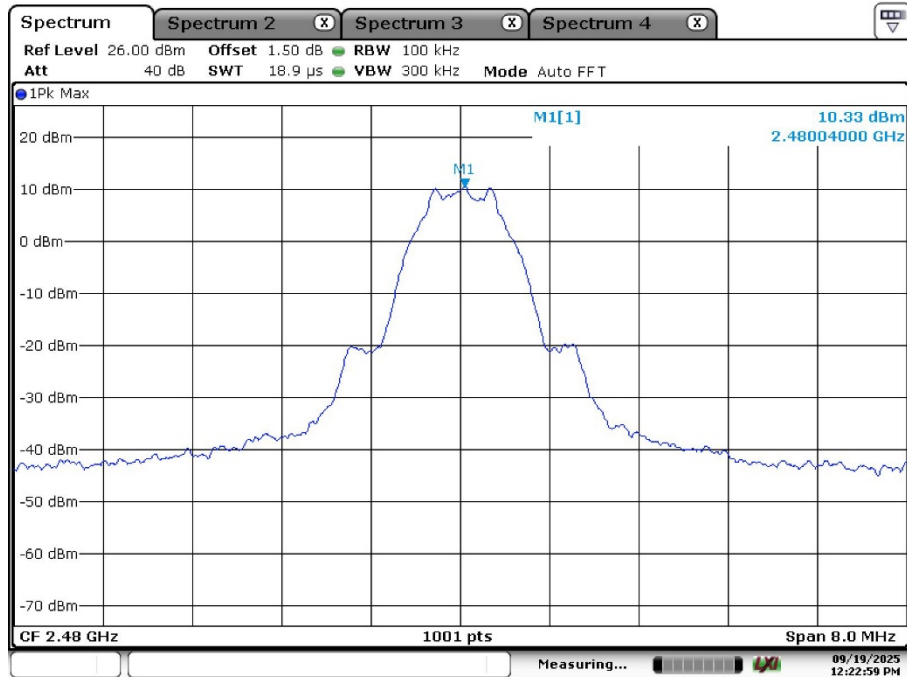


Date: 19.SEP.2025 12:09:14

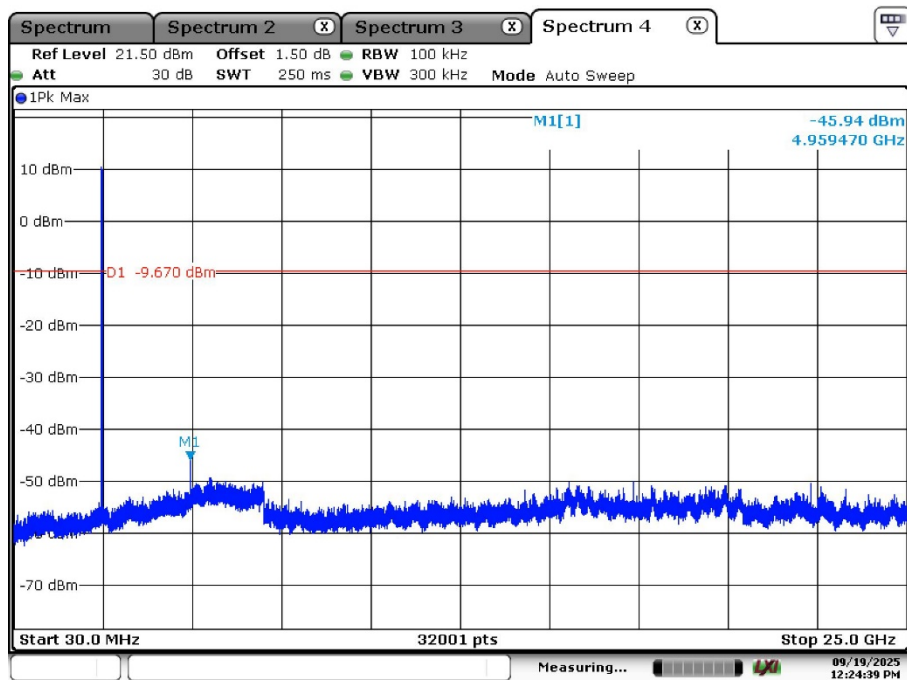


Date: 19.SEP.2025 12:10:37

High Channel:



Date: 19.SEP.2025 12:22:59

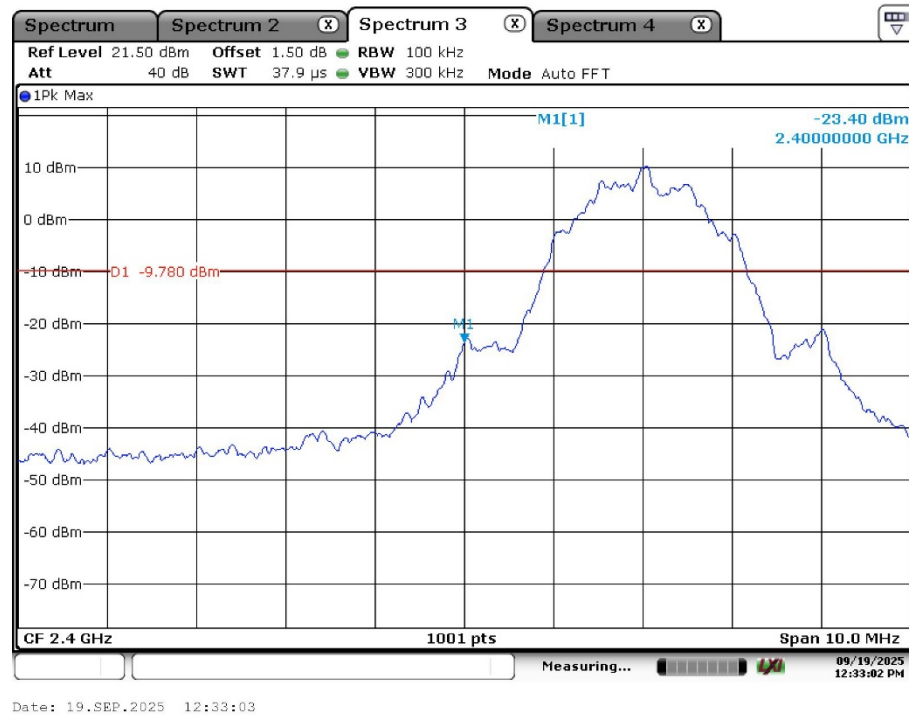


Date: 19.SEP.2025 12:24:40

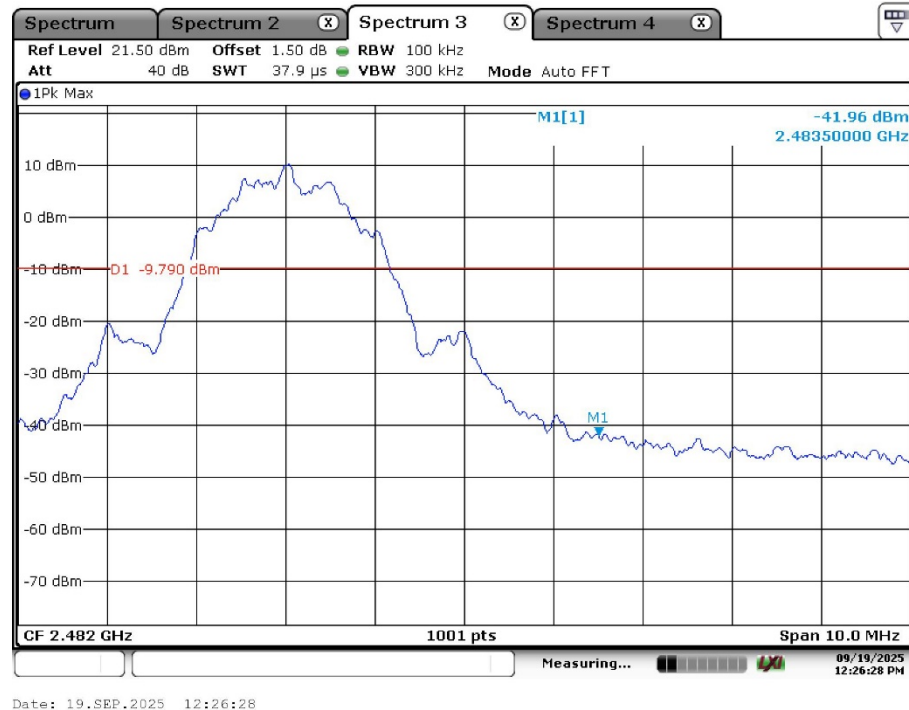
Bluetooth LE, 2Mbps

Band Edge

Low Channel

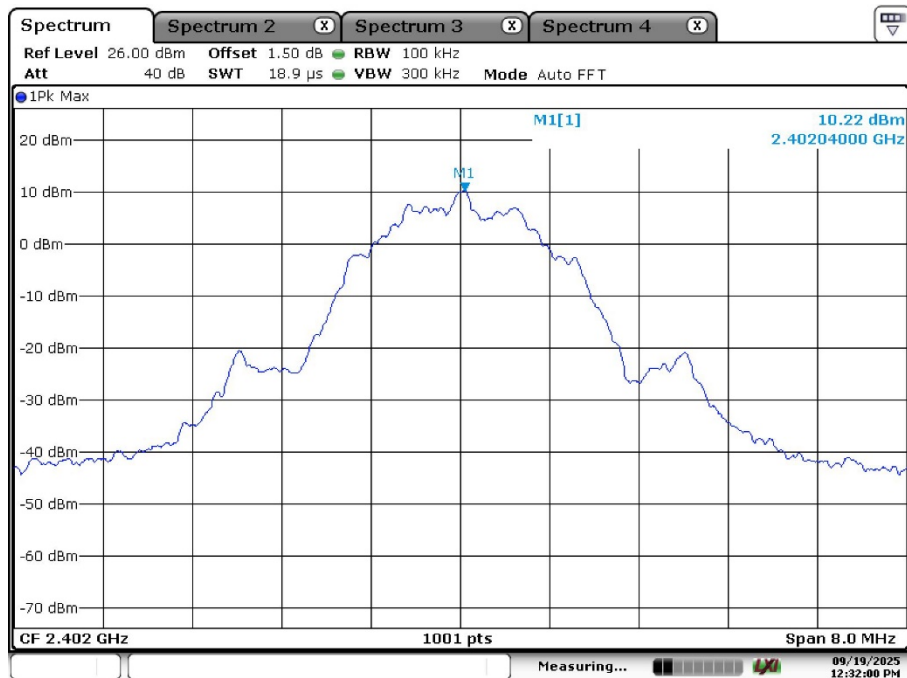


High Channel

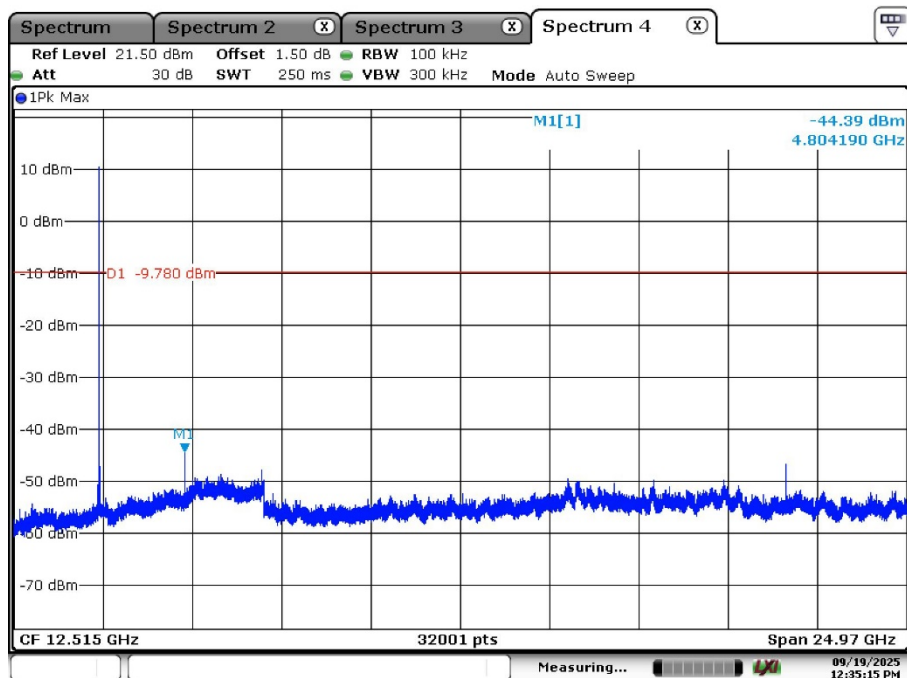


Conducted Spurious Emission

Low Channel:

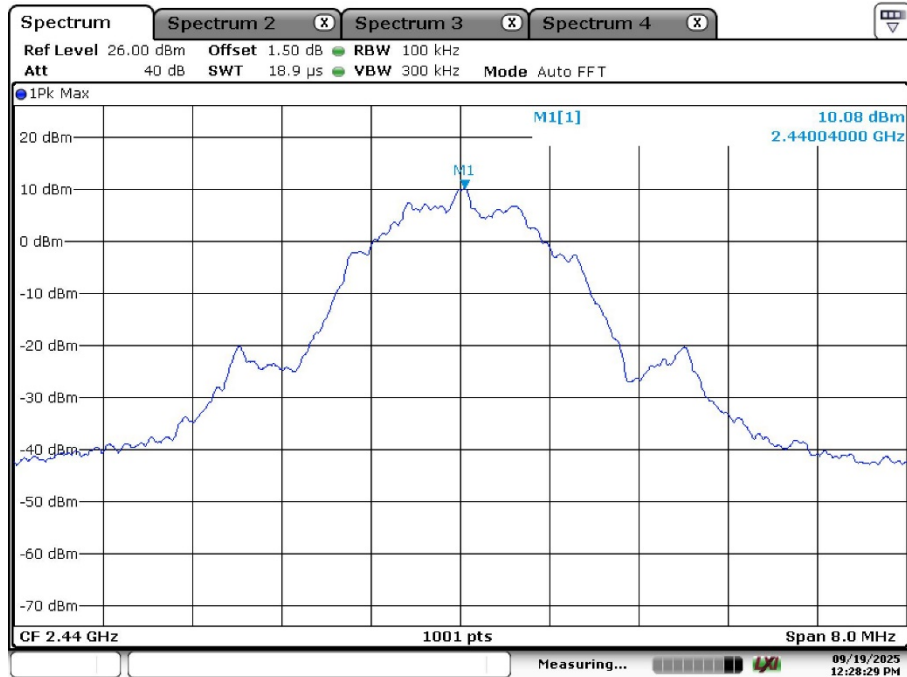


Date: 19.SEP.2025 12:32:00

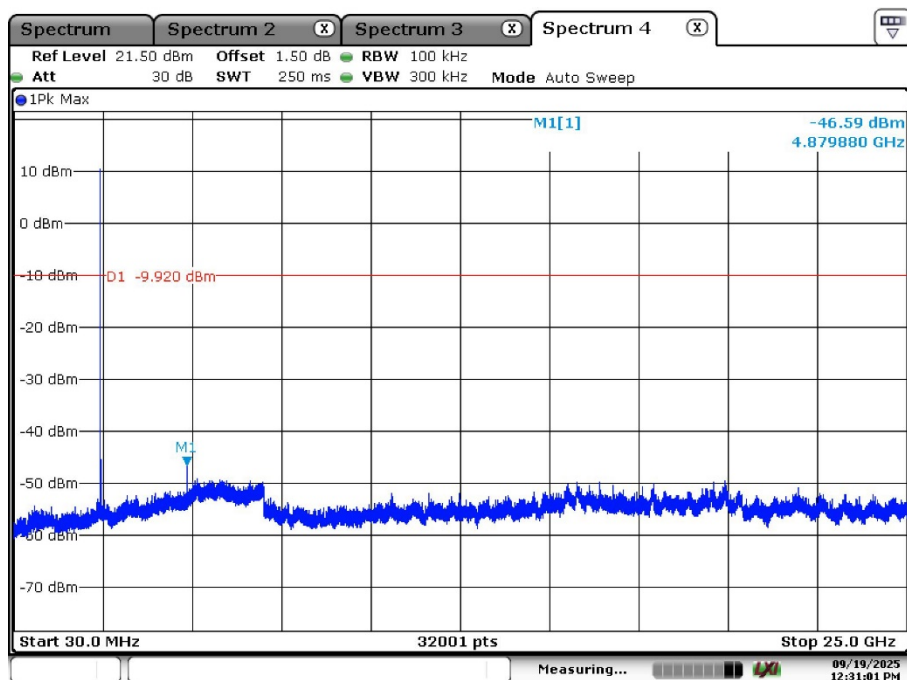


Date: 19.SEP.2025 12:35:15

Middle Channel:

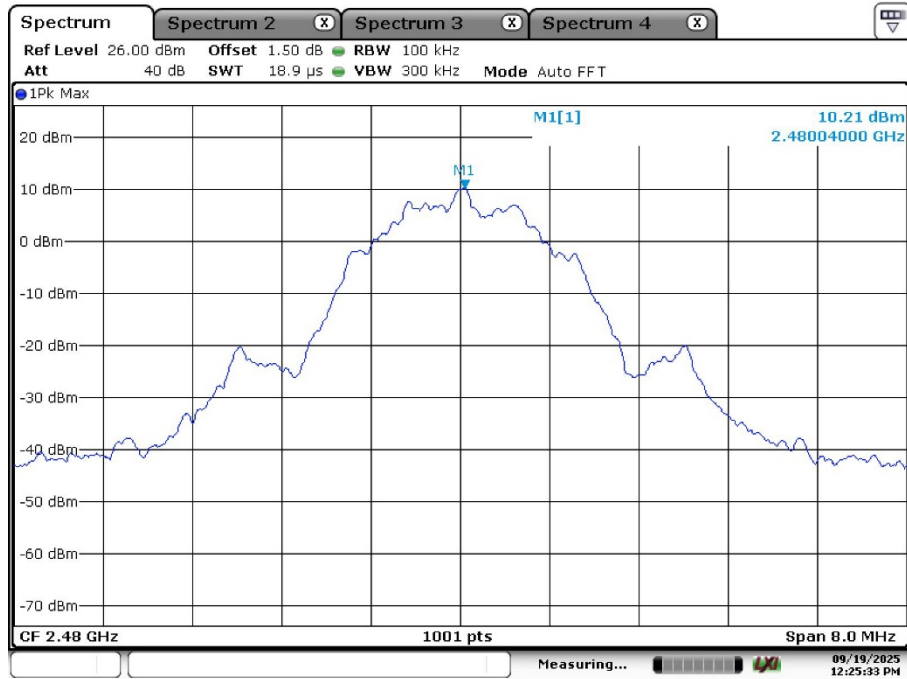


Date: 19.SEP.2025 12:28:29

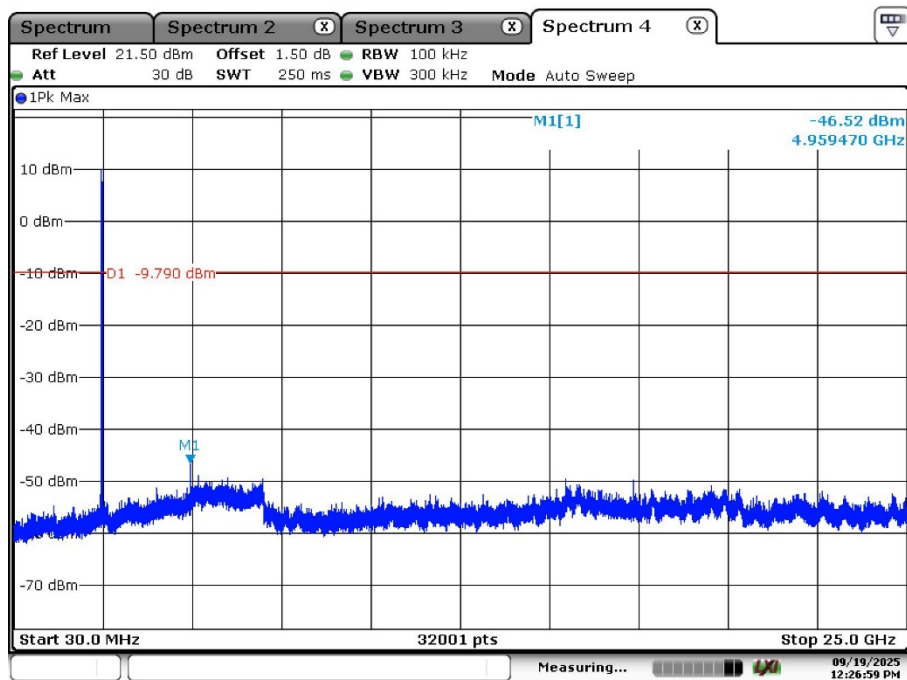


Date: 19.SEP.2025 12:31:02

High Channel:



Date: 19.SEP.2025 12:25:33



Date: 19.SEP.2025 12:27:00

Appendix A.5: Test Results of Radiated Spurious Emissions

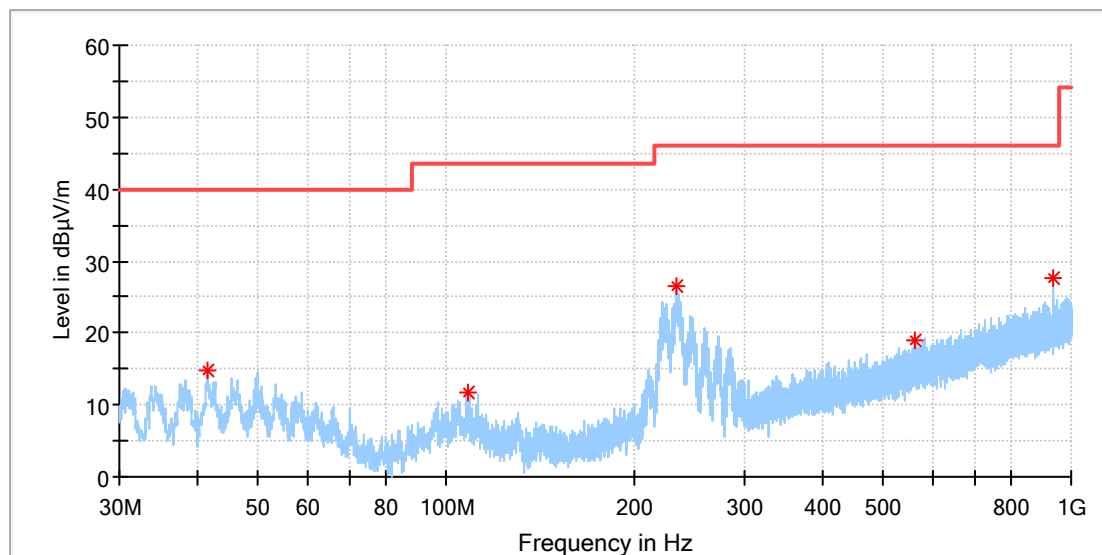
Note:

- 1) This testing was carried out on BLE_125kbps/500kbps/1Mbps/2Mbps type, 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:	Ring Beacon
Model:	6LFYA2
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168568650/A004092312-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

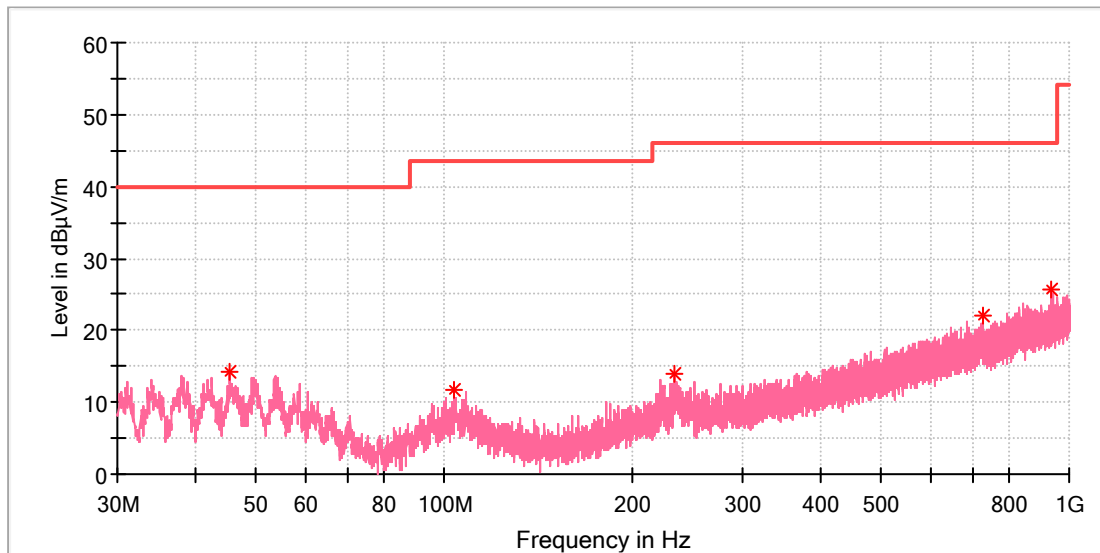
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.565385	14.78	40.00	25.22	100.0	H	34.0	-19.8
108.159615	11.70	43.50	31.80	100.0	H	217.0	-19.1
233.886539	26.58	46.00	19.42	100.0	H	97.0	-18.0
561.000385	19.08	46.00	26.92	100.0	H	0.0	-10.5
938.405000	27.58	46.00	18.42	100.0	H	312.0	-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: Ring Beacon
Model: 6LFYA2
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168568650/A004092312-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
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)
45.482692	14.24	40.00	25.76	100.0	V	36.0	-18.9
103.794615	11.85	43.50	31.65	100.0	V	55.0	-19.0
234.296923	13.82	46.00	32.18	100.0	V	36.0	-18.0
726.795769	22.15	46.00	23.85	100.0	V	204.0	-7.4
936.950000	25.65	46.00	20.35	100.0	V	219.0	-4.4

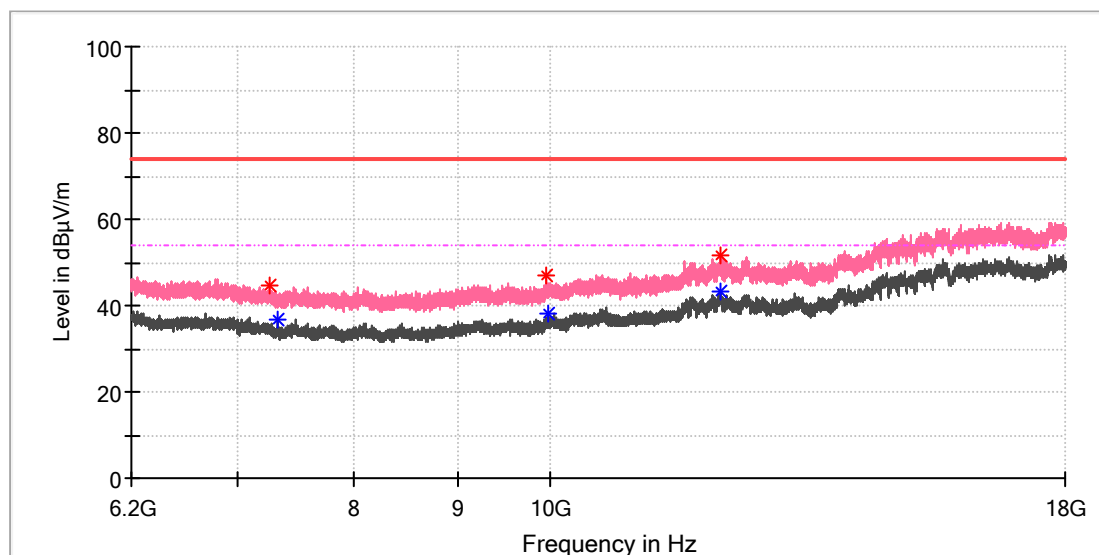
Final Result

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

EUT Information

EUT Information

EUT Name:	Ring Beacon
Model:	6LFYA2
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168568650/A004092312-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
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)
7259.541667	44.84	---	74.00	29.16	150.0	V	225.0	8.5
7319.525000	---	36.52	54.00	17.48	150.0	V	200.0	8.2
9953.383333	47.11	---	74.00	26.89	150.0	V	281.0	10.9
9984.358333	---	37.96	54.00	16.04	150.0	V	304.0	11.1
12135.891667	51.61	---	74.00	22.39	150.0	V	249.0	16.4
12139.333333	---	43.26	54.00	10.74	150.0	V	271.0	16.5

Final Result

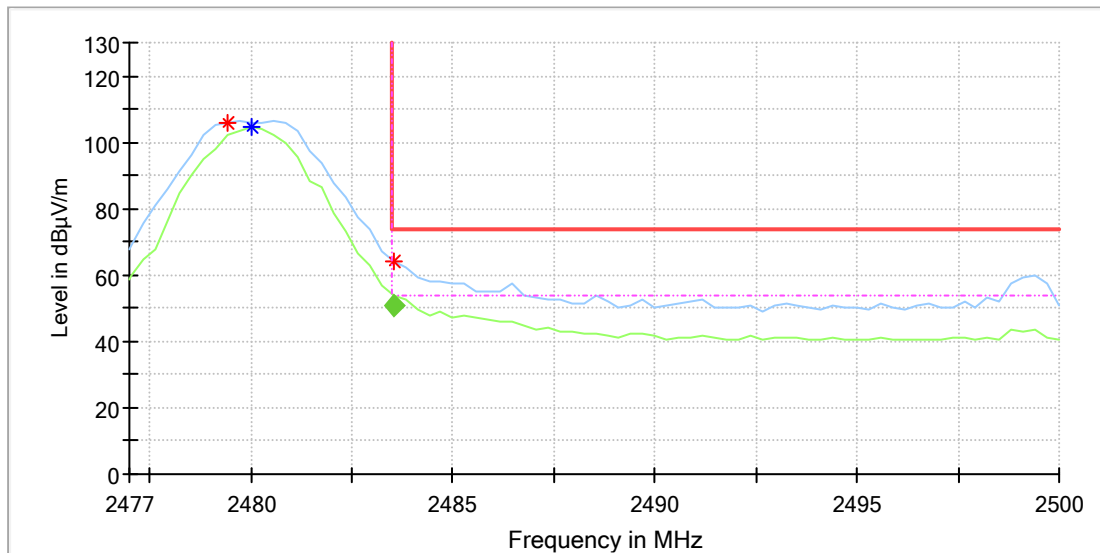
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

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

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:	Ring Beacon
Model:	6LFYA2
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168568650/A004092312-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

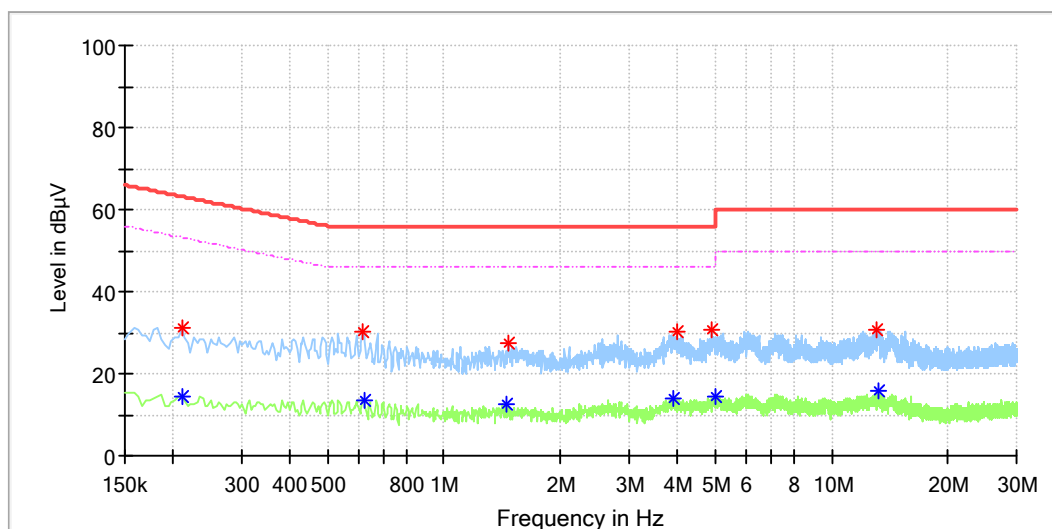
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.411765	106.11	---	200.00	93.89	150.0	H	176.0	9.0
2480.000000	---	104.54	200.00	95.46	150.0	H	165.0	9.0
2483.529412	64.23	---	74.00	9.77	150.0	H	244.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	50.93	54.00	3.07	150.0	H	244.0	9.0

EUT Information

EUT Name:	Ring Beacon
Order Number:	168568650 20
Model:	6LFYA2
Test Mode:	Charing + working
Test Voltage:	120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Soloman Wu / Murphy Chen
Tem./Hum./Pressure:	24.5°C/52.1%/101kPa
Remark:	SR3



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.210	---	14.4	53.21	38.76	N	9.9
0.210	31.2	---	63.21	32.03	N	9.9
0.614	30.3	---	56.00	25.73	N	9.9
0.622	---	13.7	46.00	32.29	N	9.9
1.442	---	12.4	46.00	33.65	N	9.9
1.470	27.3	---	56.00	28.68	N	9.9
3.906	---	14.1	46.00	31.95	N	9.7
4.010	30.4	---	56.00	25.58	N	9.7
4.894	30.9	---	56.00	25.10	N	9.7
5.002	---	14.4	50.00	35.65	N	9.8
13.114	30.5	---	60.00	29.47	N	9.6
13.142	---	16.0	50.00	34.04	N	9.6

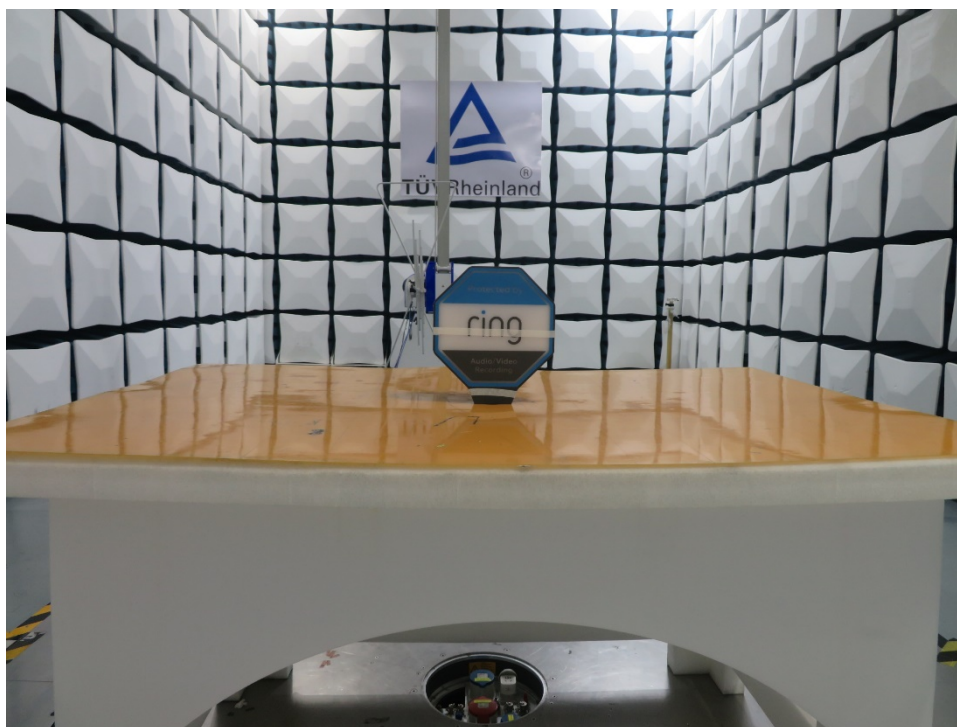
Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
90.000000	-100.00	-100.00	-100.00	0.00	100.00	9.00	1	0.00

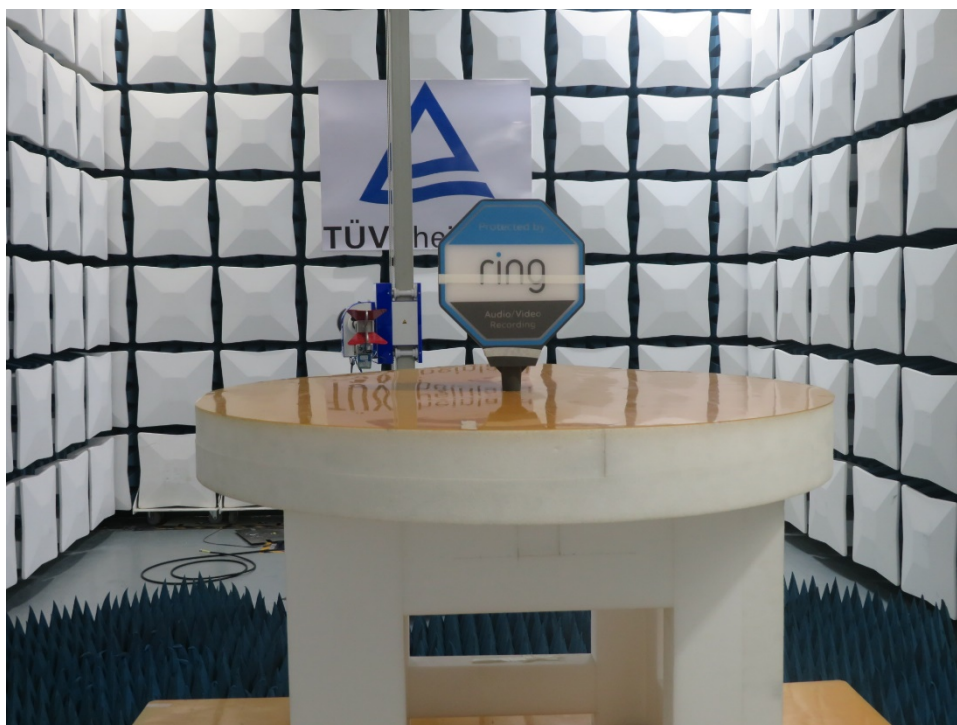
Appendix B: Photographs of the Test Set-Up

APPENDIX B: PHOTOGRAPHS OF THE TEST SET-UP	1
PHOTOGRAPH 1: SET-UP PHOTO FOR RADIATED SPURIOUS EMISSION, 30MHz - 1GHz	2
PHOTOGRAPH 2: SET-UP PHOTO FOR RADIATED SPURIOUS EMISSION, 1GHz - 18GHz	2
PHOTOGRAPH 3: SET-UP PHOTO FOR CONDUCTED EMISSION ON AC MAINS	3

Photograph 1: Set-up photo for Radiated Spurious Emission, 30MHz - 1GHz



Photograph 2: Set-up photo for Radiated Spurious Emission, 1GHz - 18GHz



Photograph 3: Set-up photo for Conducted Emission on AC Mains

