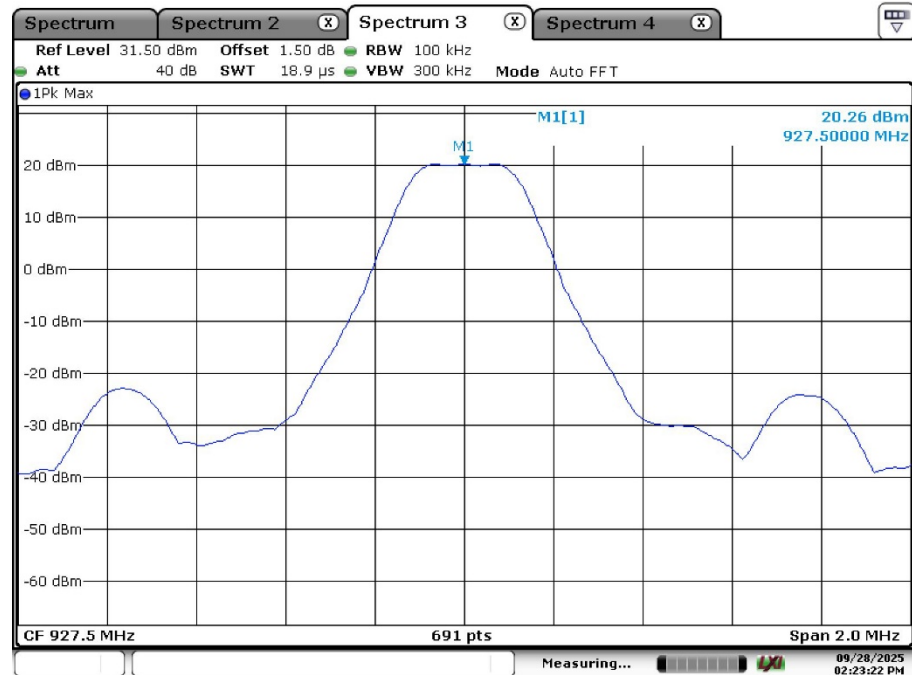
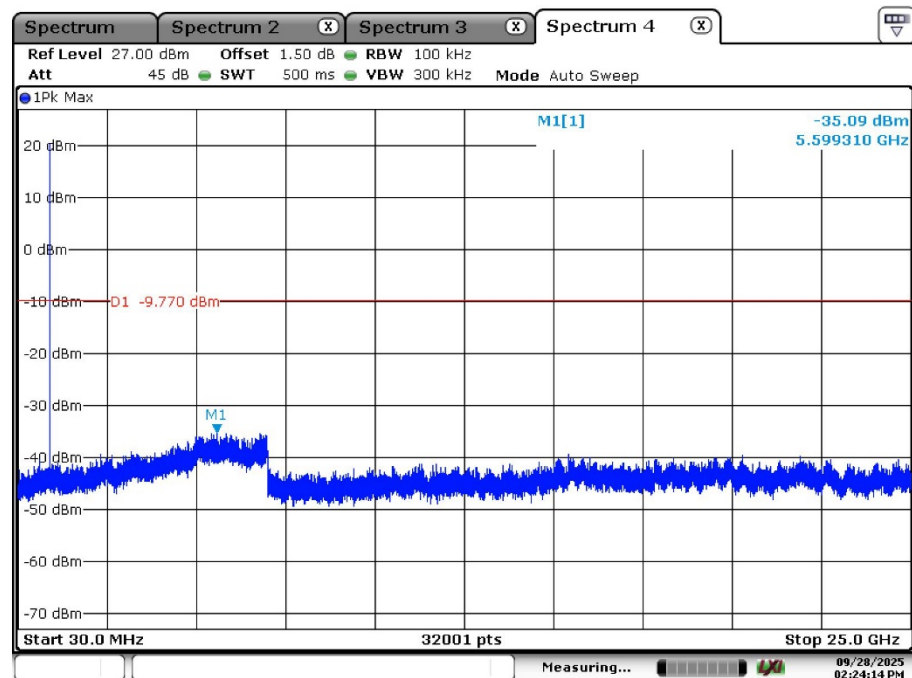


High Channel:

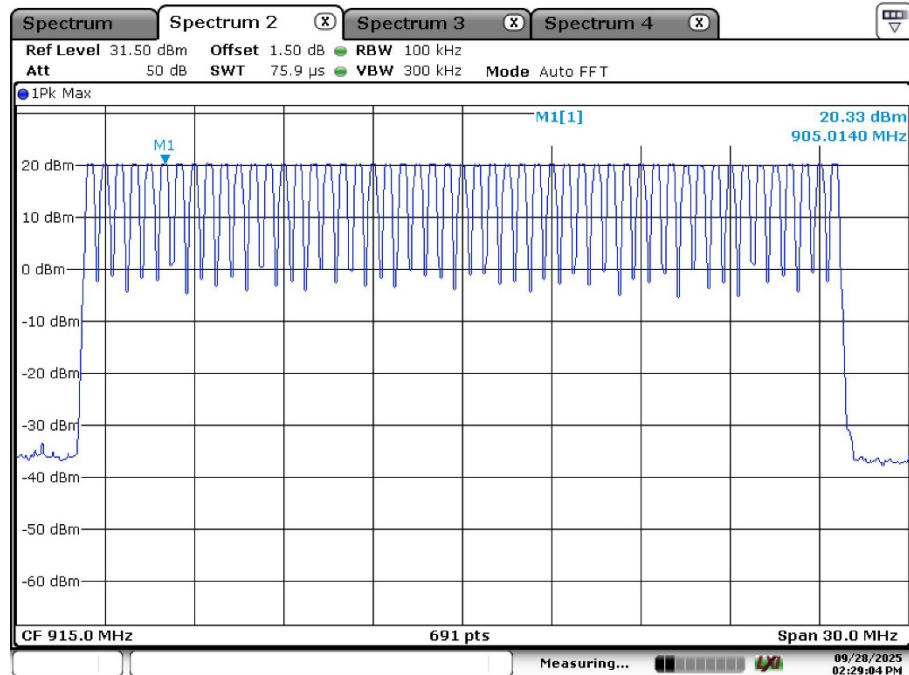


Date: 28.SEP.2025 14:23:22

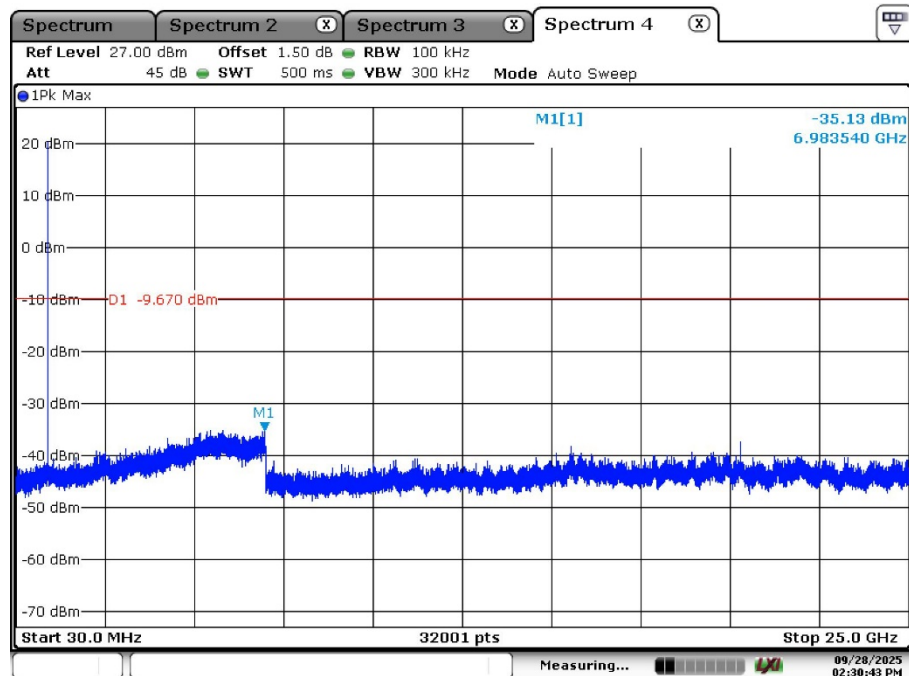


Date: 28.SEP.2025 14:24:14

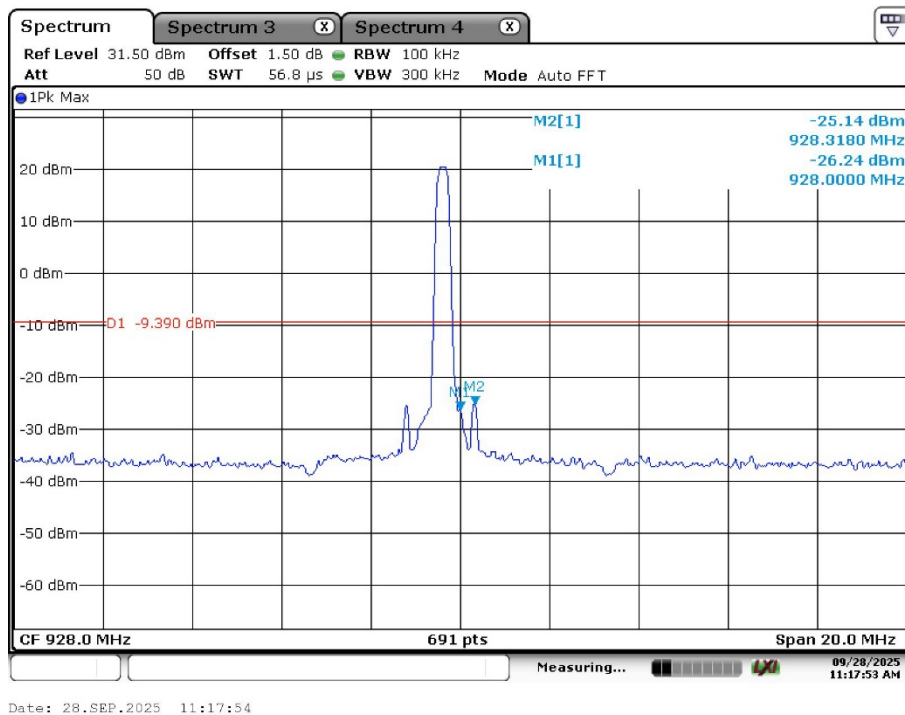
Hopping mode:



Date: 28.SEP.2025 14:29:05

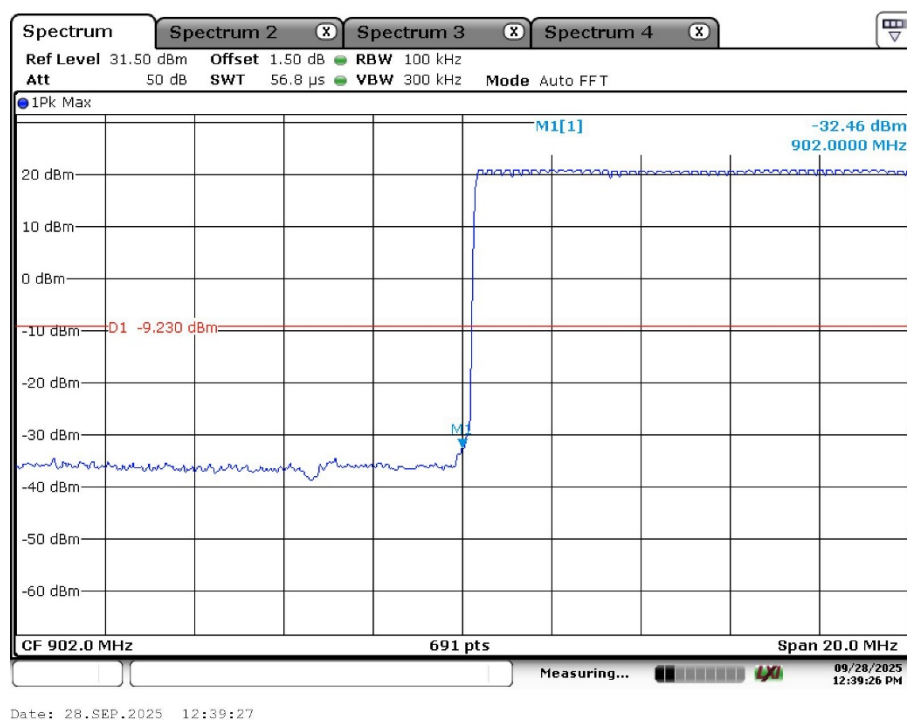


Date: 28.SEP.2025 14:30:43

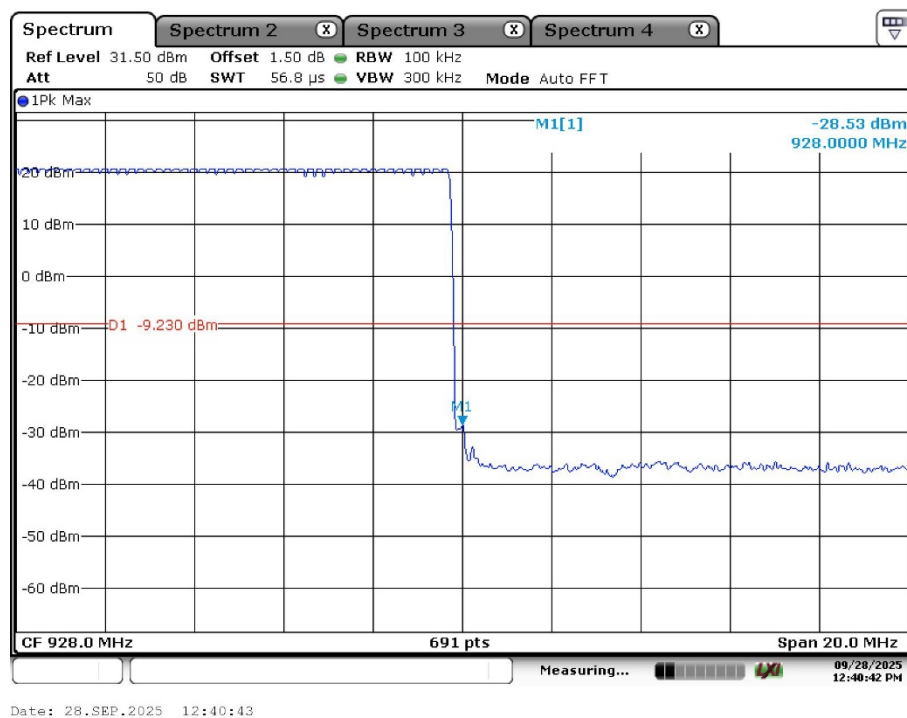


Hopping mode:

Low Channel



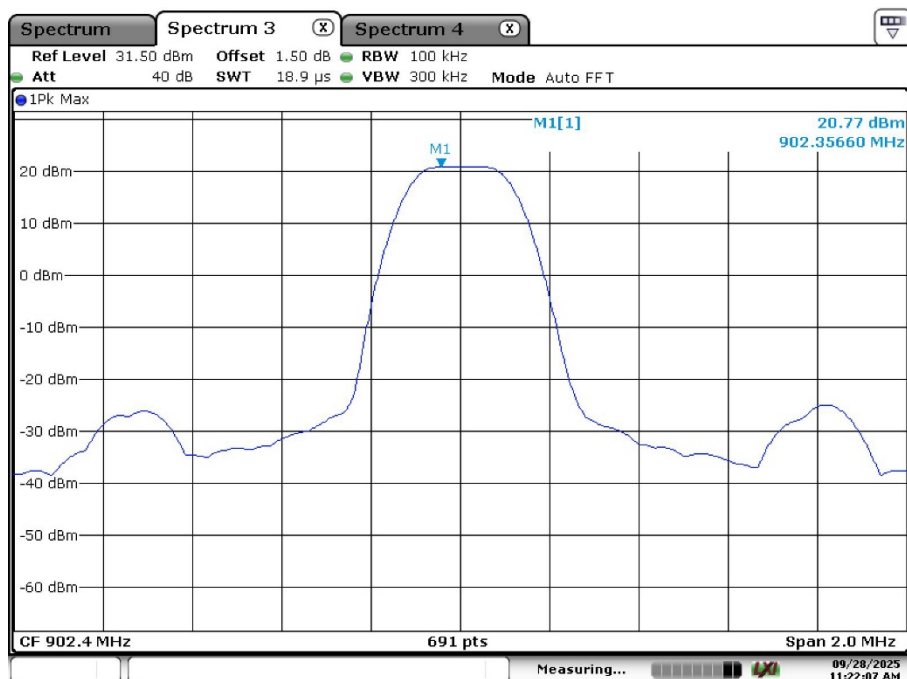
High Channel



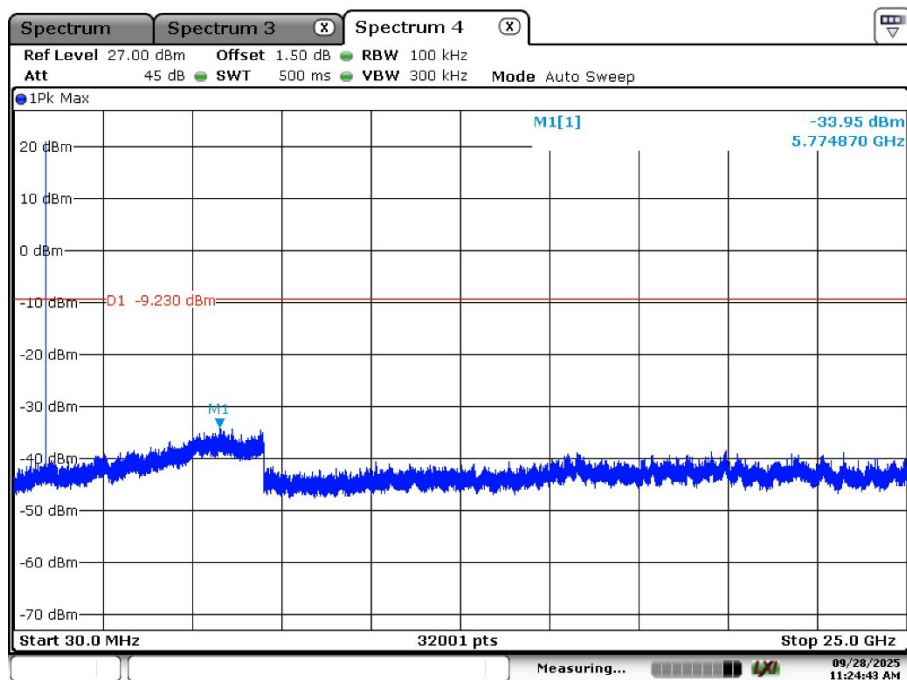
Lora FHSS SF7, Conducted Spurious Emission

Fixed mode:

Low Channel:

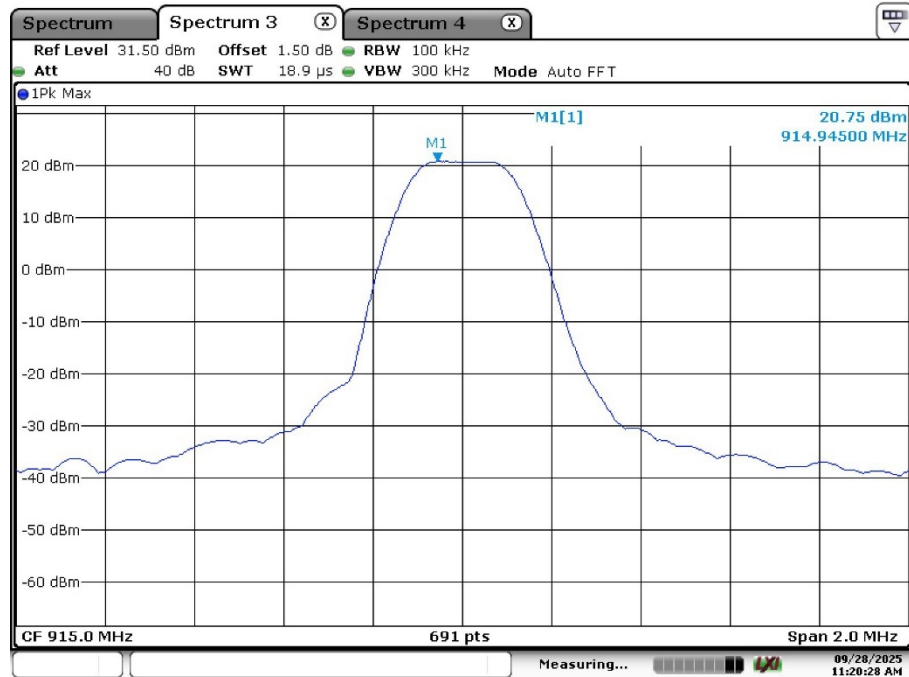


Date: 28.SEP.2025 11:22:07

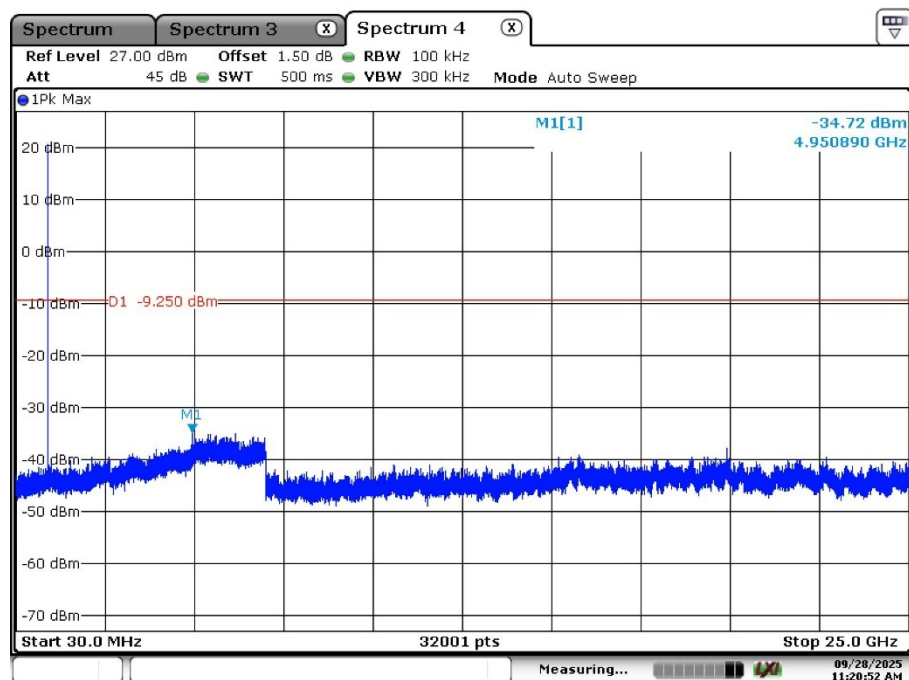


Date: 28.SEP.2025 11:24:43

Middle Channel:

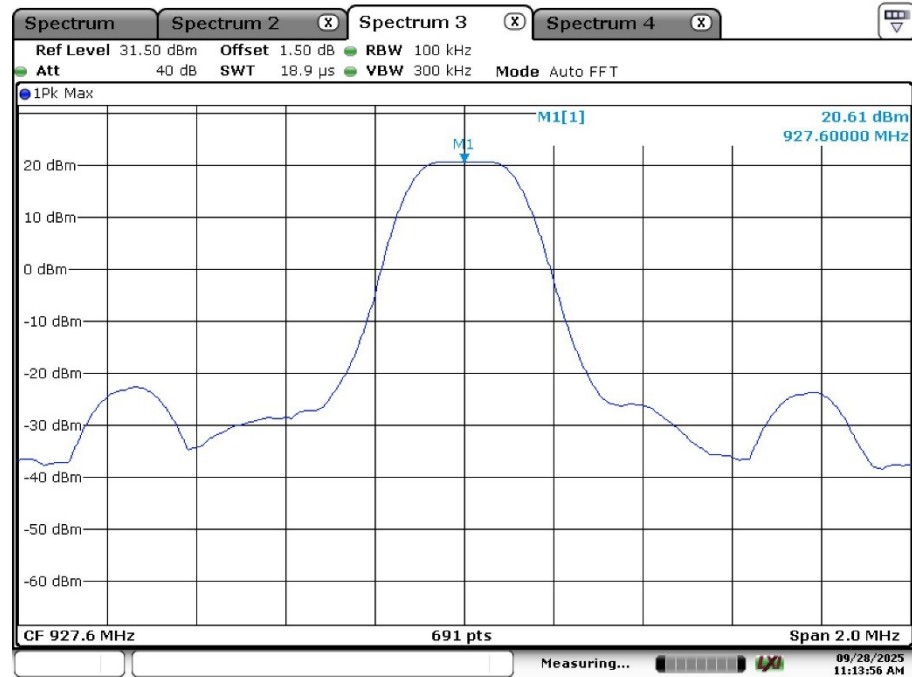


Date: 28.SEP.2025 11:20:28

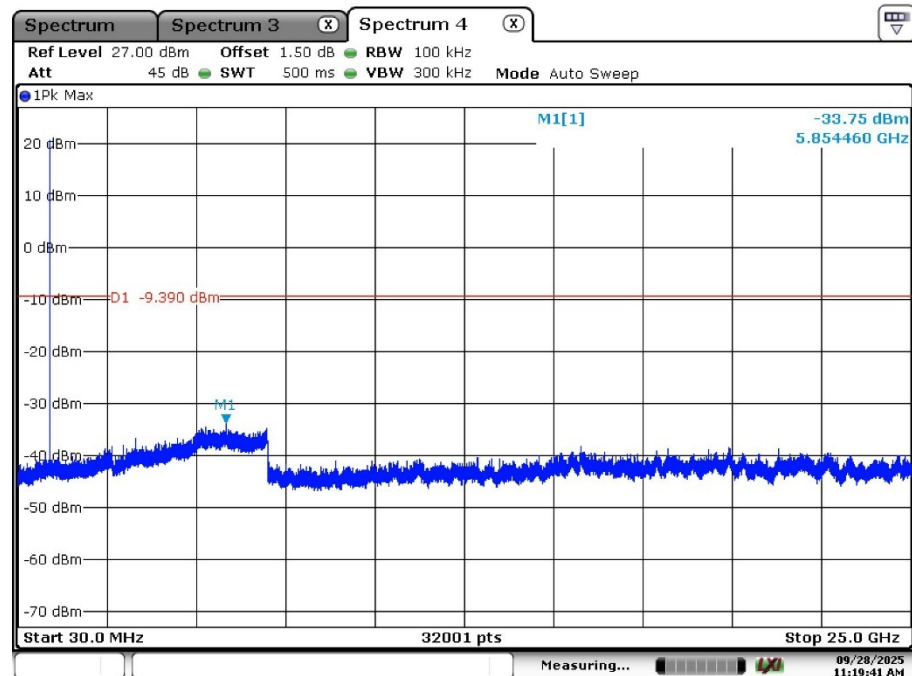


Date: 28.SEP.2025 11:20:52

High Channel:

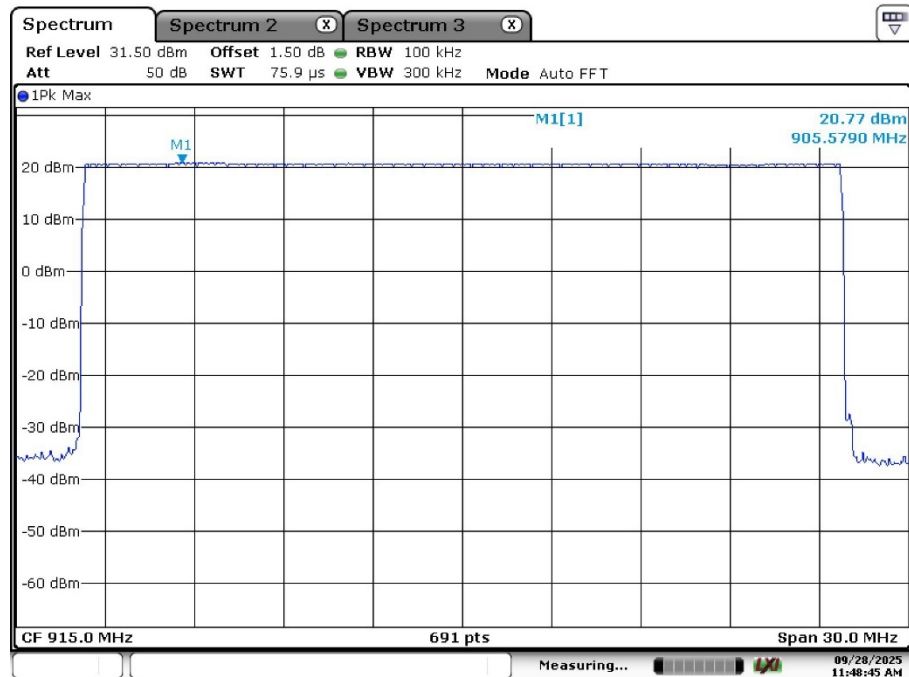


Date: 28.SEP.2025 11:13:57

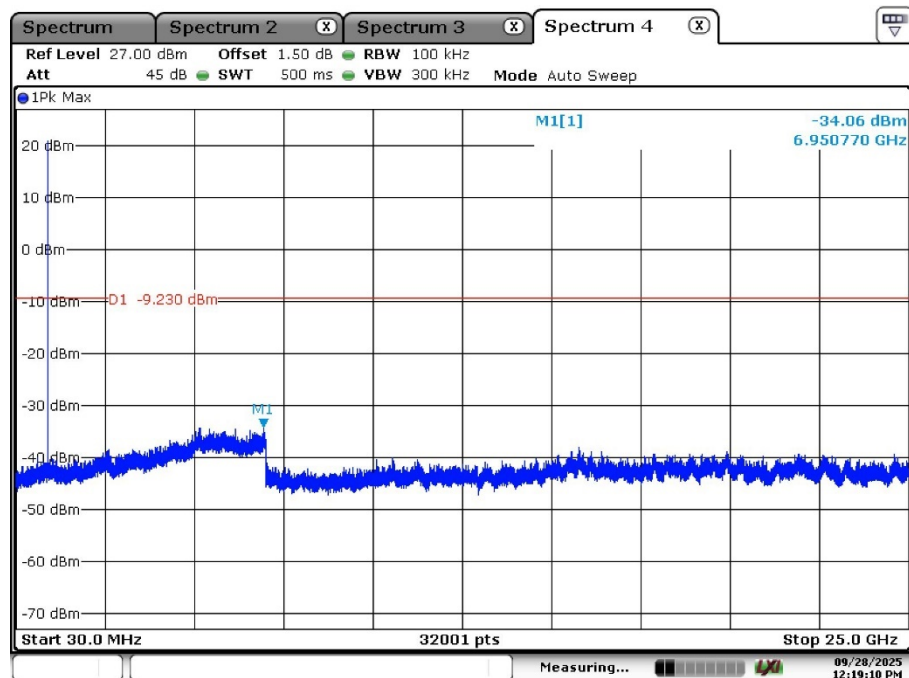


Date: 28.SEP.2025 11:19:42

Hopping mode:



Date: 28.SEP.2025 11:48:45



Date: 28.SEP.2025 12:19:10

Appendix A.9: Test Results of Radiated Spurious Emissions

Note:

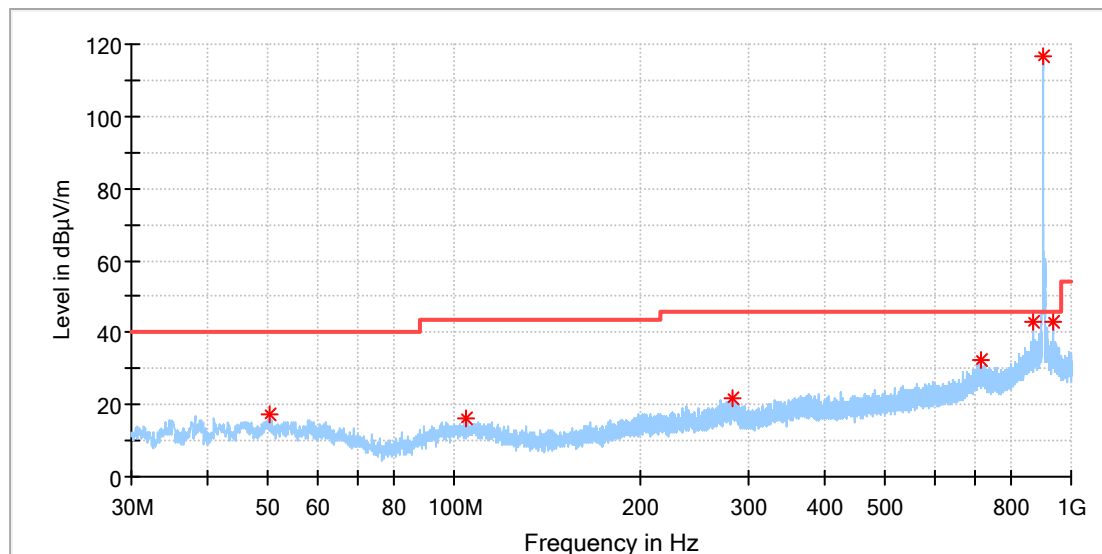
- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the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

Lora DTS SF7, 30 MHz - 1GHz

Note: The highest waveform in the figure is Lora Fundamenta

EUT Information

EUT Name:	Ring Beacon
Model:	6LFYA2
Test Mode:	Lora DTS 500K SF7 902.5MHz
Order No/Sample No:	168568650/A004092312-006
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

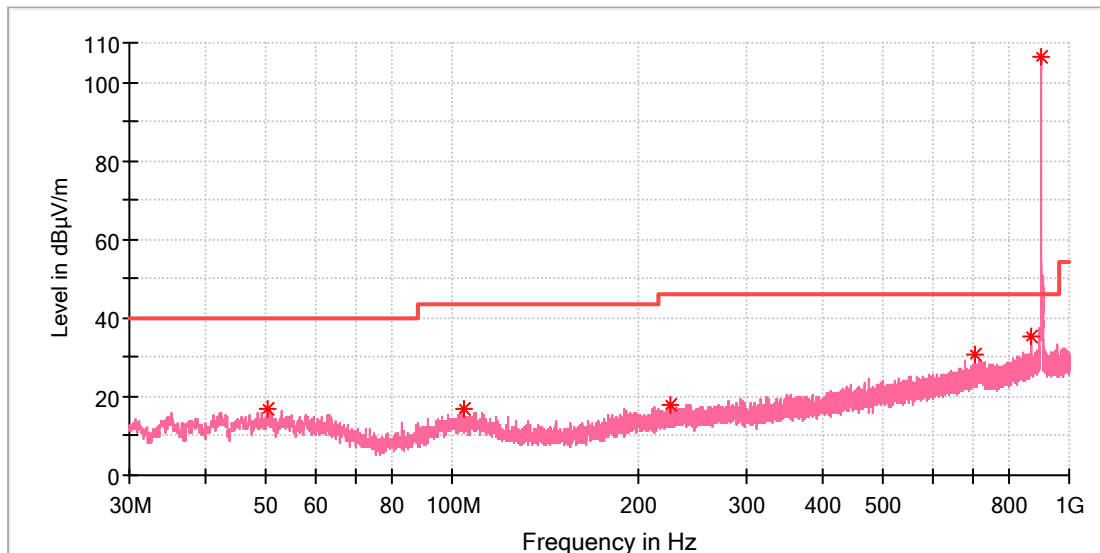


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.332692	17.29	40.00	22.71	100.0	H	0.0	-18.4
104.764615	16.20	43.50	27.30	100.0	H	267.0	-18.9
281.677692	21.72	46.00	24.28	100.0	H	282.0	-16.7
711.686154	32.30	46.00	13.70	100.0	H	140.0	-7.7
870.691539	42.93	46.00	3.07	100.0	H	212.0	-5.2
902.328462	116.53	---	---	100.0	H	219.0	-4.8
934.413077	42.86	46.00	3.14	100.0	H	235.0	-4.4

EUT Information

EUT Name: Ring Beacon
Model: 6LFYA2
Test Mode: Lora DTS 500K SF7 902.5MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

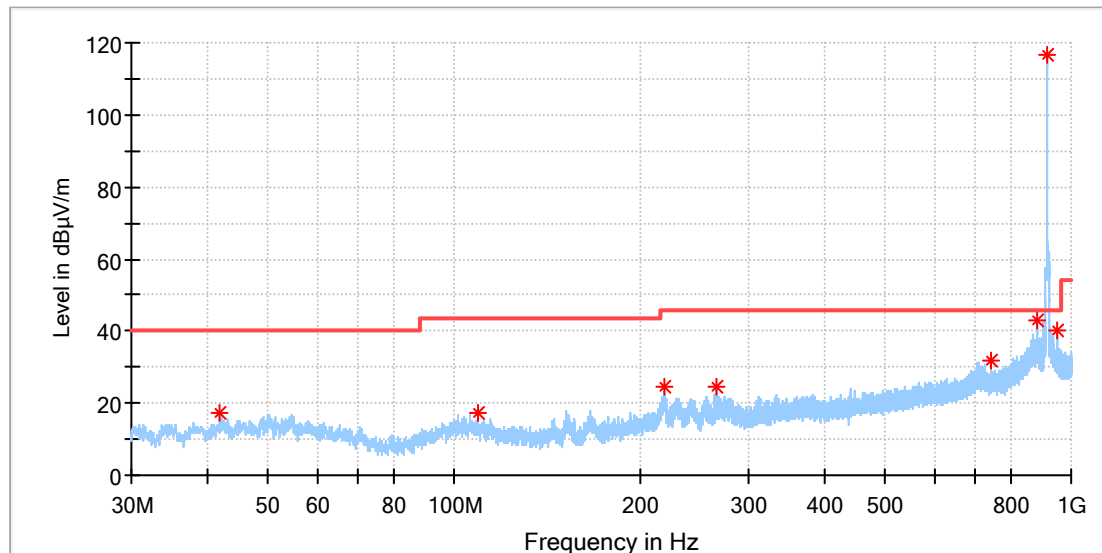
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.220769	17.03	40.00	22.97	100.0	V	183.0	-18.4
104.205000	16.85	43.50	26.65	100.0	V	214.0	-18.9
225.902692	17.78	46.00	28.22	100.0	V	130.0	-18.4
706.015385	30.58	46.00	15.42	100.0	V	89.0	-7.8
870.654231	35.16	46.00	10.84	100.0	V	0.0	-5.2
902.440385	106.28	---	---	100.0	V	0.0	-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: Ring Beacon
Model: 6LFYA2
Test Mode: Lora DTS 500K SF7 914.5MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

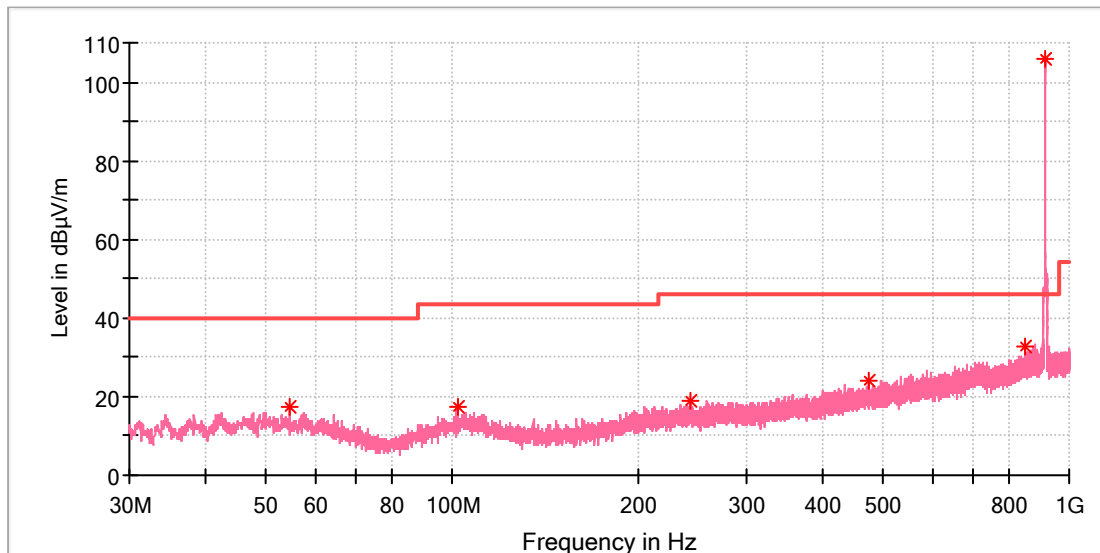
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.789231	17.12	40.00	22.88	100.0	H	285.0	-19.7
109.204231	17.56	43.50	25.94	100.0	H	310.0	-19.2
218.814231	24.35	46.00	21.66	100.0	H	120.0	-18.7
267.053077	24.41	46.00	21.59	100.0	H	105.0	-17.0
743.882692	31.54	46.00	14.46	100.0	H	112.0	-7.2
882.294231	42.97	46.00	3.03	100.0	H	199.0	-5.0
914.341539	116.62	---	---	100.0	H	231.0	-4.6
946.575385	40.27	46.00	5.73	100.0	H	261.0	-4.3

Final Result

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

EUT Information

EUT Name: Ring Beacon
Model: 6LFYA2
Test Mode: Lora DTS 500K SF7 914.5MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

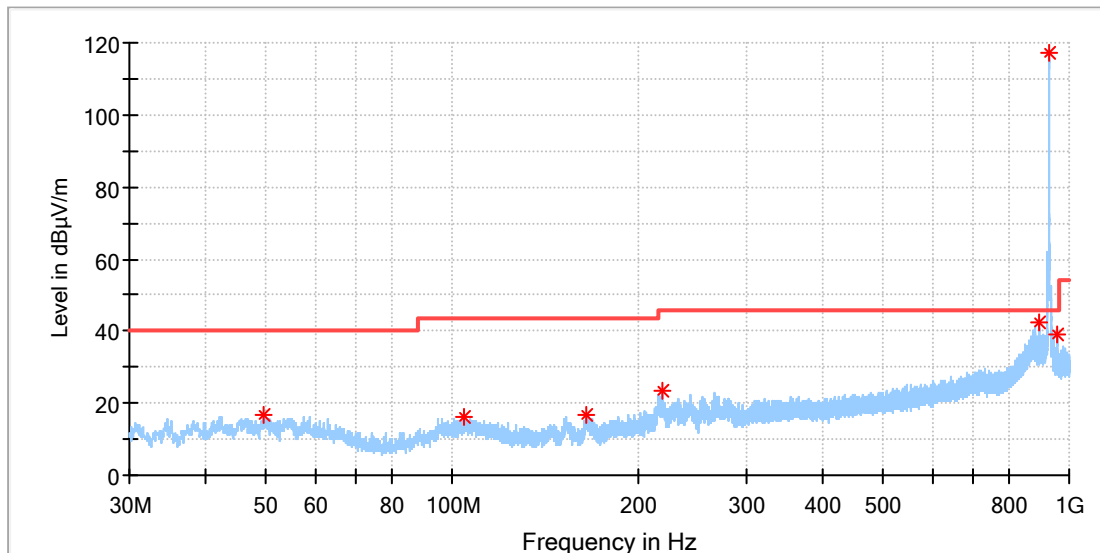
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.473846	17.18	40.00	22.82	100.0	V	305.0	-18.5
101.891923	17.18	43.50	26.32	100.0	V	288.0	-19.0
244.146154	18.93	46.00	27.07	100.0	V	76.0	-17.6
474.931539	24.17	46.00	21.83	100.0	V	336.0	-12.2
845.322308	32.96	46.00	13.04	100.0	V	0.0	-5.4
914.341539	105.66	---	---	100.0	V	0.0	-4.6

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: Lora DTS 500K SF7 926.5MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

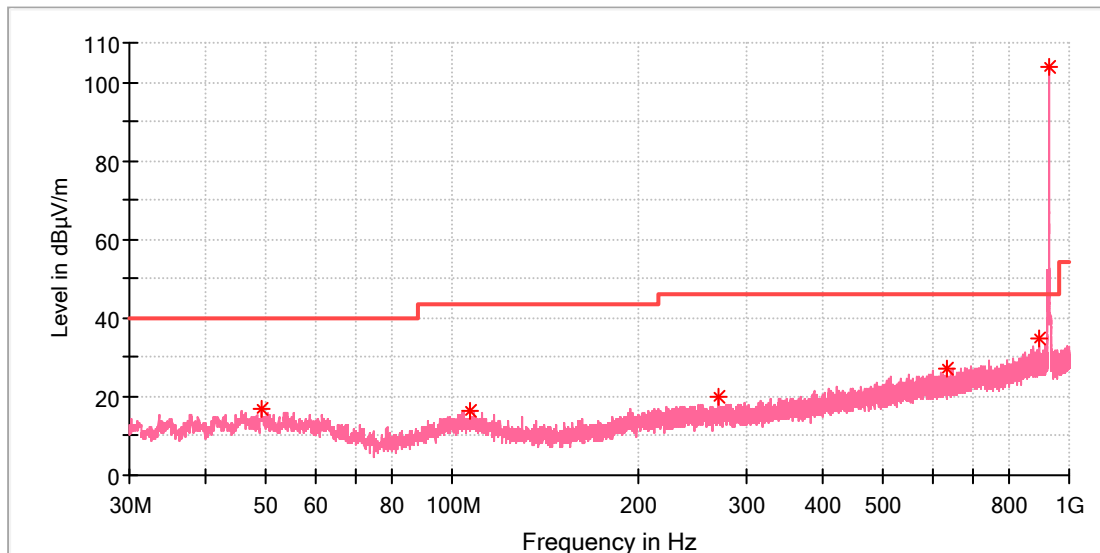
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.511923	16.51	40.00	23.49	100.0	H	336.0	-18.4
104.279615	16.25	43.50	27.25	100.0	H	223.0	-18.9
165.538846	16.97	43.50	26.53	100.0	H	207.0	-21.5
218.590385	23.32	46.00	22.68	100.0	H	90.0	-18.7
894.456539	42.70	46.00	3.30	100.0	H	183.0	-4.9
926.466539	116.97	---	---	100.0	H	232.0	-4.5
958.625769	39.14	46.00	6.86	100.0	H	257.0	-4.2

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: Lora DTS 500K SF7 926.5MHz
Order No/Sample No: 168568650/A004092312-006
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)
49.138846	17.12	40.00	22.88	100.0	V	55.0	-18.4
107.077692	16.51	43.50	26.99	100.0	V	179.0	-19.0
269.627308	19.80	46.00	26.20	100.0	V	269.0	-17.0
634.571154	27.22	46.00	18.78	100.0	V	235.0	-9.1
894.605769	34.84	46.00	11.16	100.0	V	0.0	-4.9
926.727692	104.05	---	---	100.0	V	350.0	-4.5

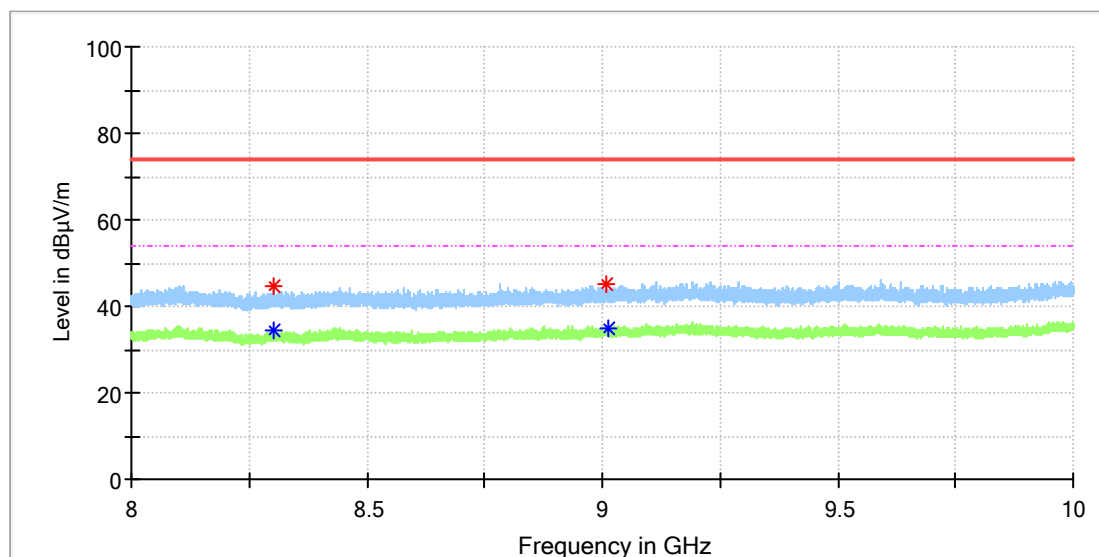
Final Result

Frequency (MHz)	QuasiPeak (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:	Lora DTS 500K SF7 902.5MHz
Order No/Sample No:	168568650/A004092312-006
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)
8300.700000	44.42	---	74.00	29.58	150.0	H	269.0	8.7
8301.300000	---	34.27	54.00	19.73	150.0	H	73.0	8.7
9009.700000	44.89	---	74.00	29.11	150.0	H	231.0	9.5
9010.700000	---	35.01	54.00	18.99	150.0	H	181.0	9.5

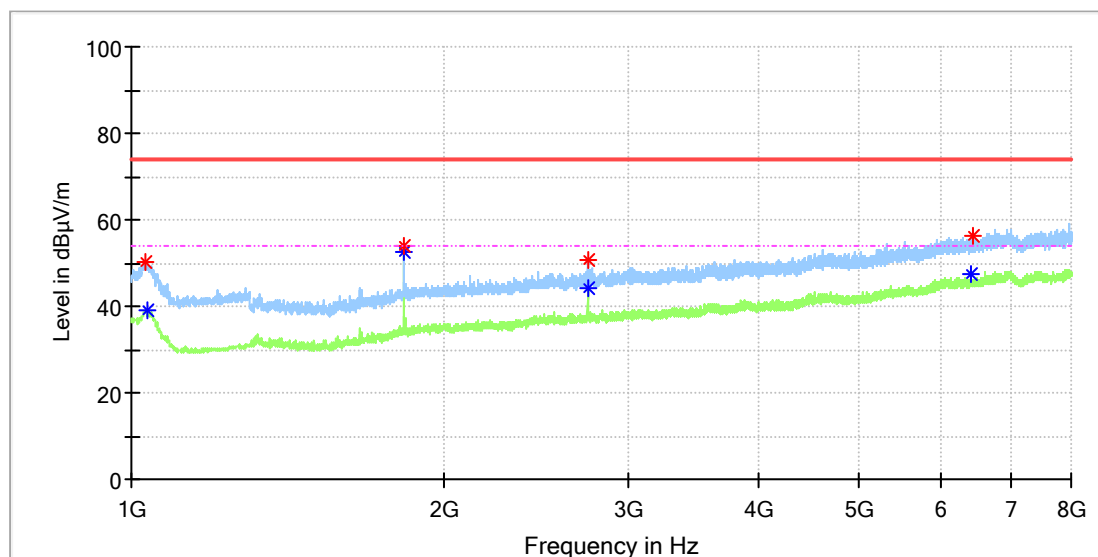
Final Result

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)
----	----	----	----	----	----		----	----

EUT Information

EUT Name:	Ring Beacon
Model:	6LFYA2
Test Mode:	Lora DTS 500K SF7 914.5MHz
Order No/Sample No:	168568650/A004092312-006
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

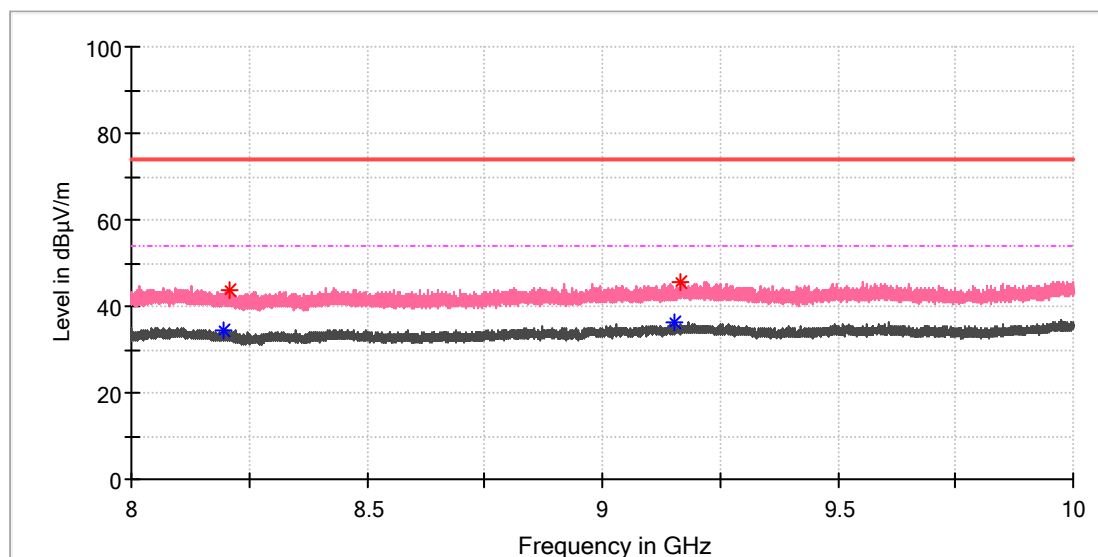
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1031.000000	50.43	---	74.00	23.57	150.0	H	234.0	0.4
1034.500000	---	39.03	54.00	14.97	150.0	H	241.0	0.4
1828.741667	---	52.36	86.62	34.26	150.0	H	166.0	6.4
1829.300000	54.15	---	96.62	42.47	150.0	H	166.0	6.4
2742.175000	50.57	---	74.00	23.43	150.0	H	294.0	9.3
2742.733333	---	44.26	54.00	9.74	150.0	H	309.0	9.3
6400.375000	---	47.30	54.00	6.70	150.0	H	147.0	17.6
6427.733333	56.41	---	74.00	17.59	150.0	H	6.0	17.6

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:	Ring Beacon
Model:	6LFYA2
Test Mode:	Lora DTS 500K SF7 914.5MHz
Order No/Sample No:	168568650/A004092312-006
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

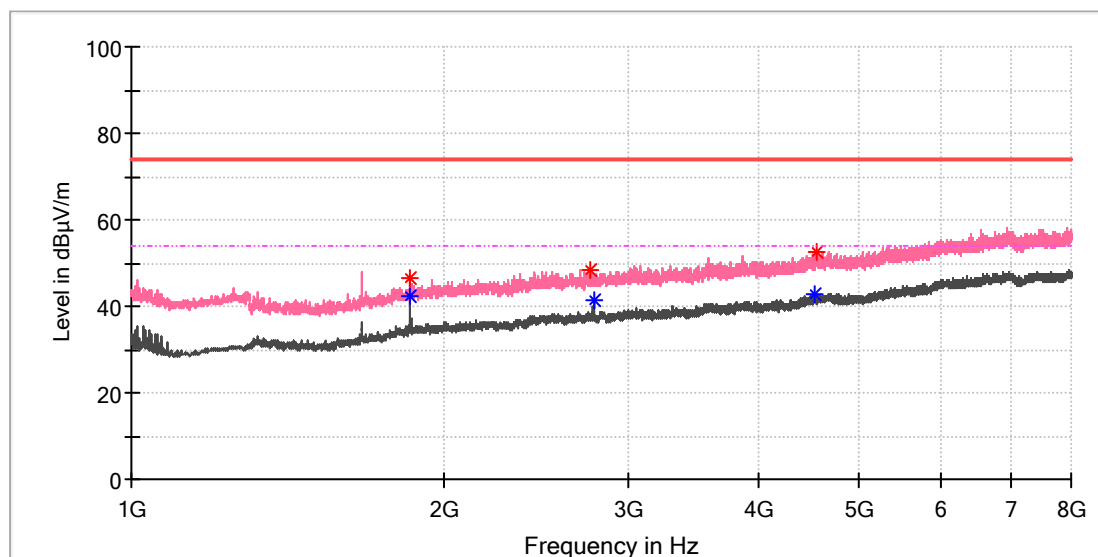
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8196.700000	---	34.64	54.00	19.36	150.0	V	306.0	9.0
8208.200000	43.87	---	74.00	30.13	150.0	V	125.0	8.9
9154.600000	---	36.09	54.00	17.91	150.0	V	25.0	10.4
9164.800000	45.58	---	74.00	28.42	150.0	V	84.0	10.5

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:	Ring Beacon
Model:	6LFYA2
Test Mode:	Lora DTS 500K SF7 926.5MHz
Order No/Sample No:	168568650/A004092312-006
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

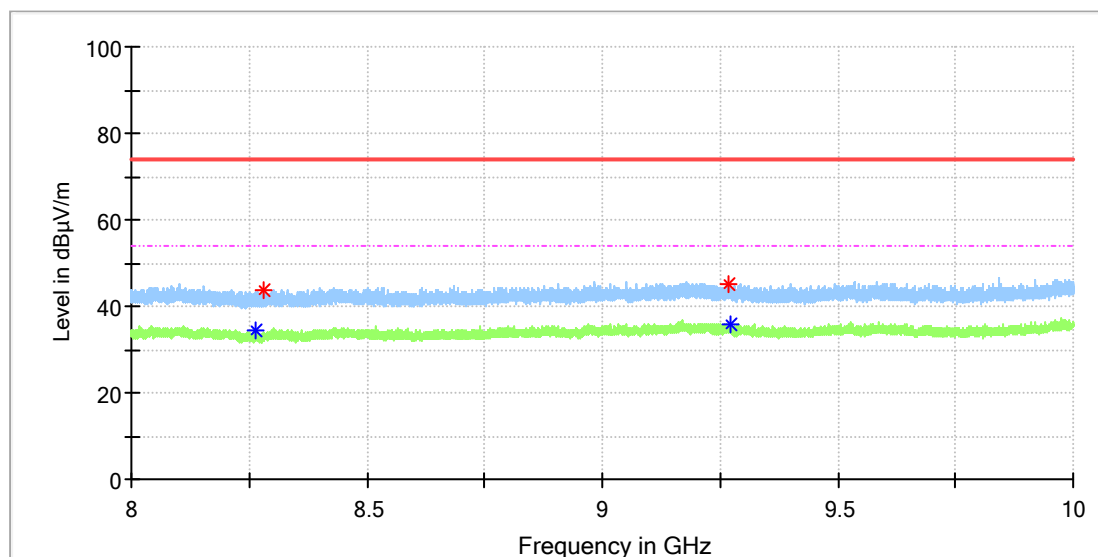
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1852.750000	---	42.44	74.05	31.61	150.0	V	331.0	6.5
1852.750000	46.60	---	84.05	37.45	150.0	V	331.0	6.5
2764.508333	48.37	---	74.00	25.63	150.0	V	207.0	9.4
2779.583333	---	41.30	54.00	12.70	150.0	V	246.0	9.4
4541.125000	---	42.96	54.00	11.04	150.0	V	122.0	13.3
4558.991667	52.50	---	74.00	21.50	150.0	V	5.0	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:	Ring Beacon
Model:	6LFYA2
Test Mode:	Lora DTS 500K SF7 926.5MHz
Order No/Sample No:	168568650/A004092312-006
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)
8265.400000	---	34.61	54.00	19.39	150.0	H	87.0	8.7
8281.800000	43.83	---	74.00	30.17	150.0	H	323.0	8.7
9268.300000	45.14	---	74.00	28.86	150.0	H	70.0	10.4
9270.400000	---	35.96	54.00	18.04	150.0	H	19.0	10.4

Final Result

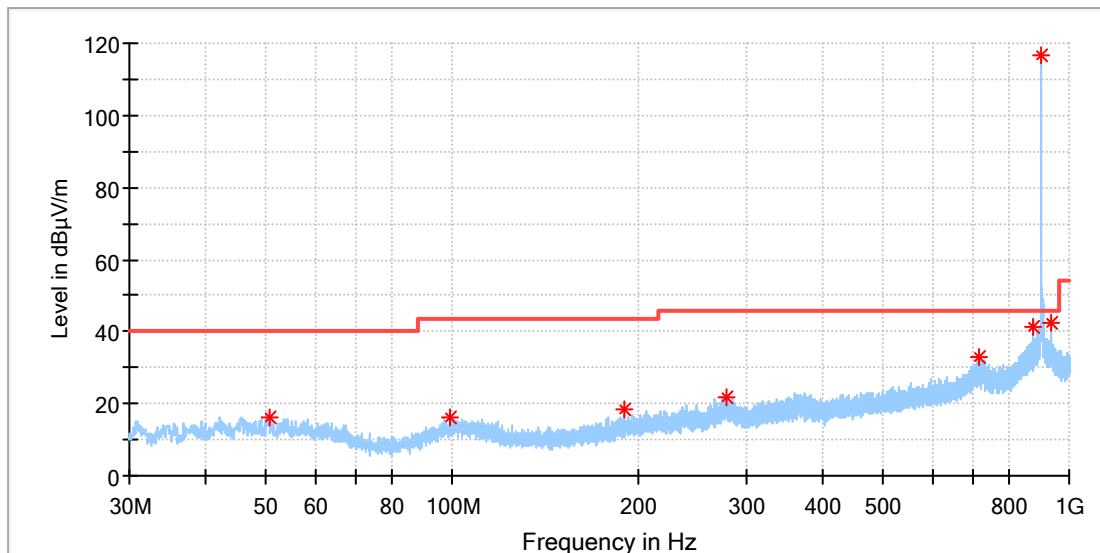
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	----

FSK DTS (100kbps), 30 MHz - 1GHz

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

EUT Information

EUT Name:	Ring Beacon
Model:	6LFYA2
Test Mode:	FSK DTS 100K 902.9MHz
Order No/Sample No:	168568650/A004092312-006
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

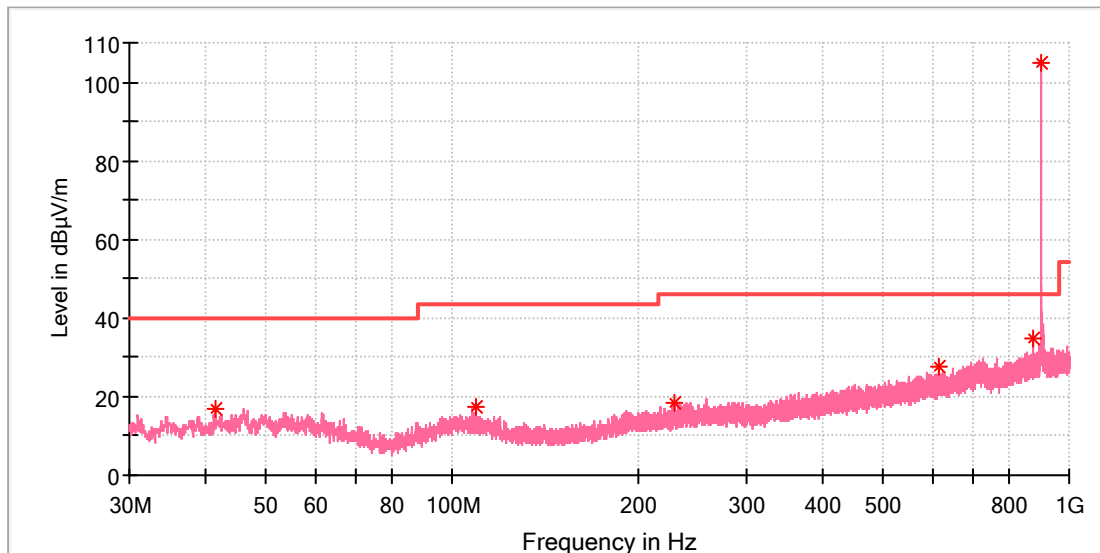
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.481923	16.13	40.00	23.87	100.0	H	14.0	-18.4
99.056539	16.29	43.50	27.21	100.0	H	4.0	-19.2
189.751539	18.59	43.50	24.91	100.0	H	50.0	-19.7
278.581154	21.95	46.00	24.05	100.0	H	255.0	-16.8
712.395000	32.73	46.00	13.27	100.0	H	141.0	-7.7
870.915385	41.53	46.00	4.47	100.0	H	239.0	-5.2
902.962692	116.88	---	---	100.0	H	211.0	-4.8
934.898077	42.51	46.00	3.49	100.0	H	239.0	-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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EUT Information

EUT Name: Ring Beacon
Model: 6LFYA2
Test Mode: FSK DTS 100K 902.9MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

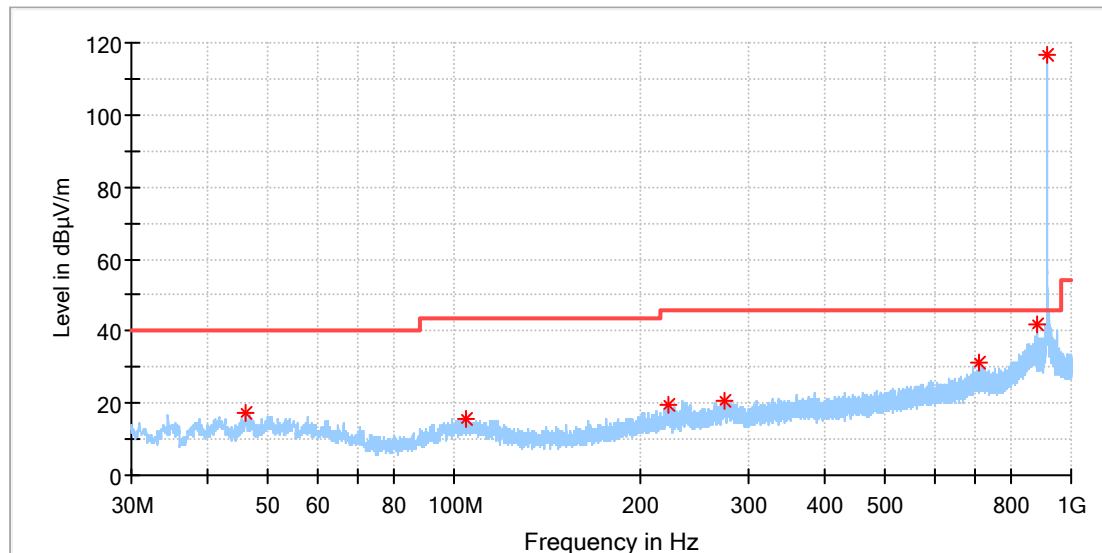
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.266923	16.88	40.00	23.12	100.0	V	141.0	-19.9
109.055000	17.15	43.50	26.35	100.0	V	0.0	-19.1
229.148462	18.48	46.00	27.52	100.0	V	117.0	-18.2
616.290385	27.38	46.00	18.62	100.0	V	275.0	-9.3
870.952692	35.03	46.00	10.97	100.0	V	0.0	-5.2
902.888077	105.11	---	---	100.0	V	356.0	-4.8

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: Ring Beacon
Model: 6LFYA2
Test Mode: FSK DTS 100K 914.9MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

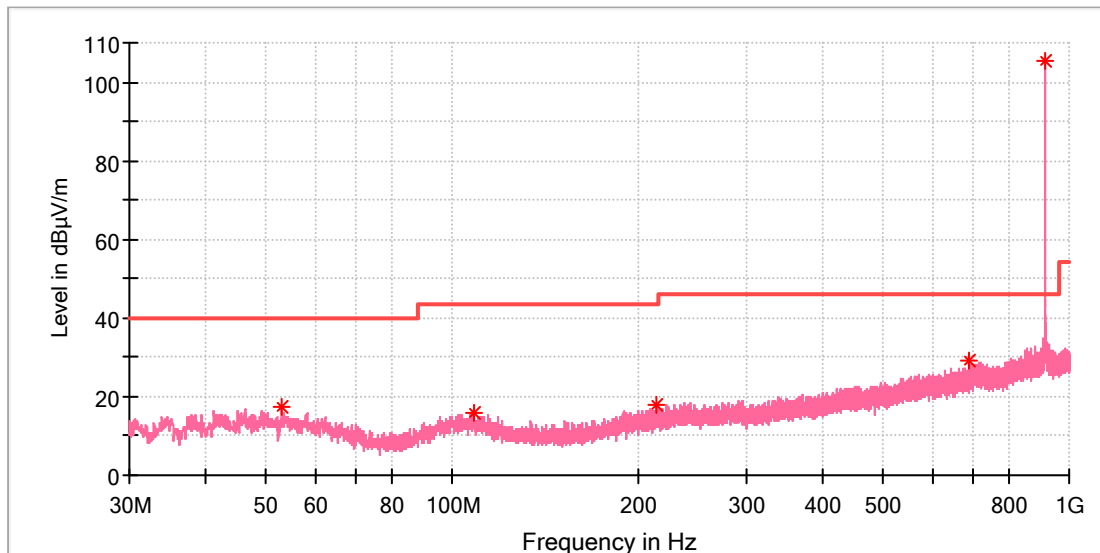
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.042308	17.08	40.00	22.92	100.0	H	8.0	-18.8
104.578077	15.45	43.50	28.05	100.0	H	193.0	-18.9
222.060000	19.79	46.00	26.21	100.0	H	287.0	-18.5
275.148846	20.84	46.00	25.16	100.0	H	279.0	-16.8
710.678846	31.38	46.00	14.62	100.0	H	129.0	-7.7
882.965769	41.81	46.00	4.19	100.0	H	200.0	-5.0
914.938462	116.52	---	---	100.0	H	234.0	-4.6

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: Ring Beacon
Model: 6LFYA2
Test Mode: FSK DTS 100K 914.9MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

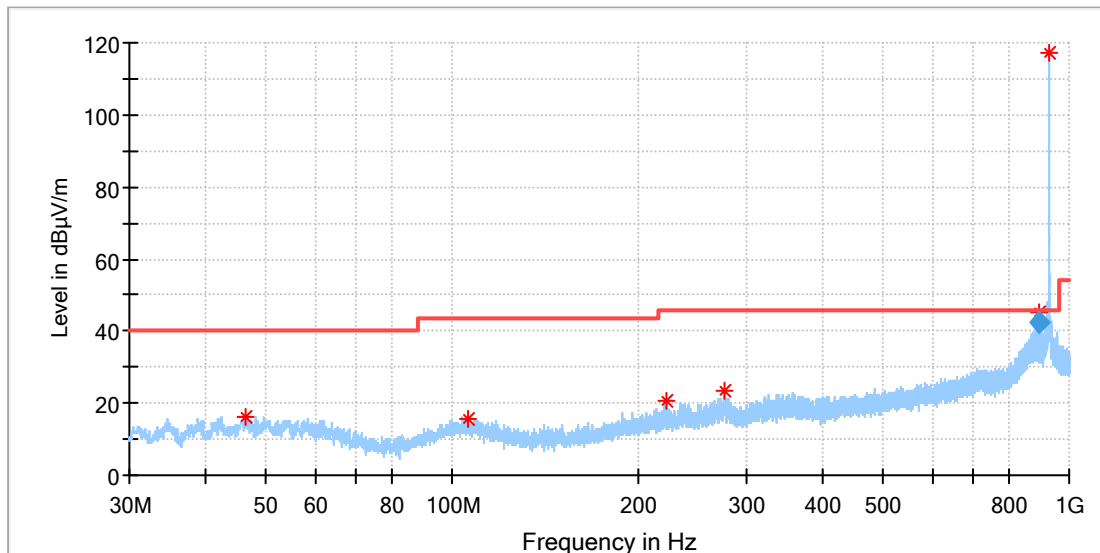
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
53.056154	17.55	40.00	22.45	100.0	V	304.0	-18.5
108.756539	15.69	43.50	27.81	100.0	V	180.0	-19.1
214.934231	18.04	43.50	25.46	100.0	V	274.0	-18.8
688.406154	29.03	46.00	16.97	100.0	V	281.0	-8.2
914.901154	105.33	---	---	100.0	V	0.0	-4.6

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: Ring Beacon
Model: 6LFYA2
Test Mode: FSK DTS 100K 926.9MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

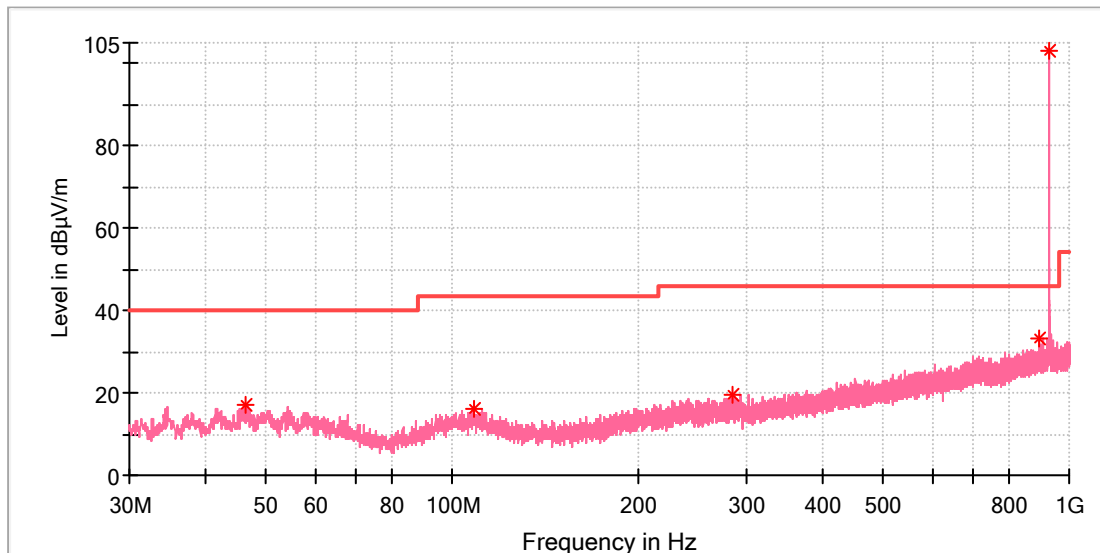
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.266154	16.45	40.00	23.55	100.0	H	317.0	-18.7
105.921154	15.80	43.50	27.70	100.0	H	5.0	-19.0
222.358462	20.60	46.00	25.40	100.0	H	68.0	-18.5
276.417308	23.34	46.00	22.66	100.0	H	92.0	-16.8
894.941539	45.41	46.00	0.59	100.0	H	116.0	-4.9
926.914231	117.45	---	---	100.0	H	85.0	-4.5

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
894.889346	42.66	46.00	3.34	100.0	H	116.0	-4.9

EUT Information

EUT Name: Ring Beacon
Model: 6LFYA2
Test Mode: FSK DTS 100K 926.9MHz
Order No/Sample No: 168568650/A004092312-006
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)
46.340769	17.12	40.00	22.88	100.0	V	0.0	-18.7
108.495385	16.15	43.50	27.35	100.0	V	105.0	-19.1
285.706923	19.58	46.00	26.42	100.0	V	56.0	-16.6
894.904231	33.39	46.00	12.61	100.0	V	183.0	-4.9
926.914231	103.09	---	---	100.0	V	39.0	-4.5

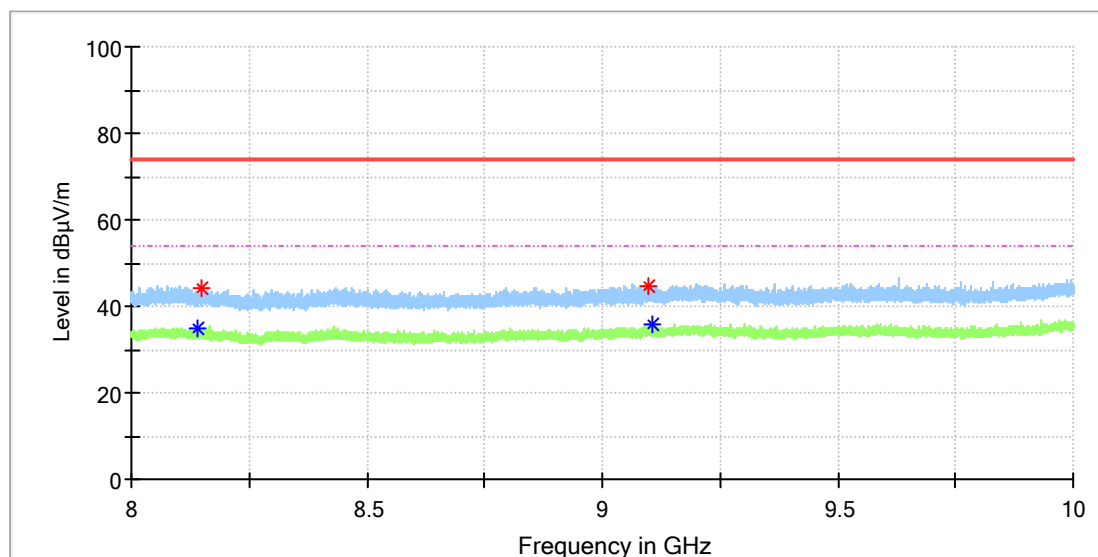
Final Result

Frequency (MHz)	QuasiPeak (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)
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EUT Information

EUT Name:	Ring Beacon
Model:	6LFYA2
Test Mode:	FSK DTS 100K 902.9MHz
Order No/Sample No:	168568650/A004092312-006
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

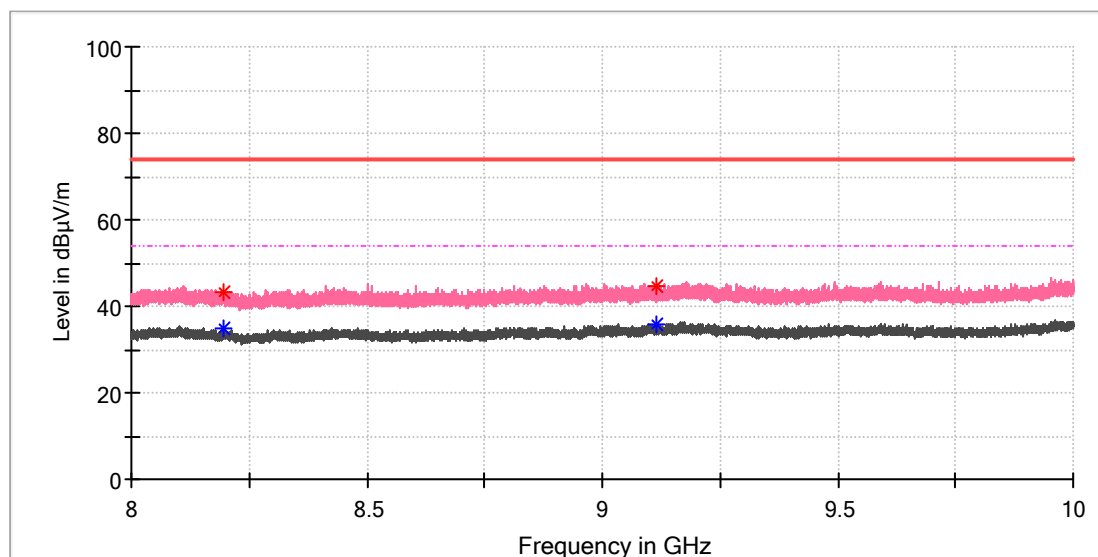
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8140.800000	---	34.92	54.00	19.08	150.0	H	99.0	9.0
8148.400000	43.99	---	74.00	30.01	150.0	H	259.0	9.0
9096.000000	44.64	---	74.00	29.36	150.0	H	0.0	10.0
9106.600000	---	35.87	54.00	18.13	150.0	H	331.0	10.1

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:	Ring Beacon
Model:	6LFYA2
Test Mode:	FSK DTS 100K 902.9MHz
Order No/Sample No:	168568650/A004092312-006
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

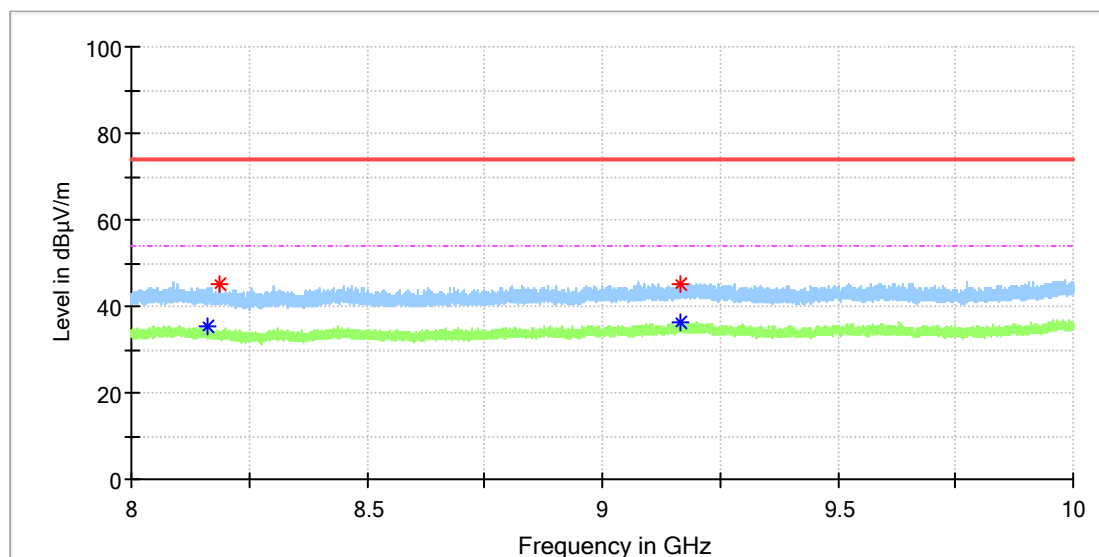
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8195.400000	---	34.66	54.00	19.34	150.0	V	132.0	9.0
8195.600000	43.33	---	74.00	30.67	150.0	V	102.0	9.0
9115.200000	---	35.69	54.00	18.31	150.0	V	153.0	10.1
9116.200000	44.76	---	74.00	29.24	150.0	V	143.0	10.2

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:	Ring Beacon
Model:	6LFYA2
Test Mode:	FSK DTS 100K 914.9MHz
Order No/Sample No:	168568650/A004092312-006
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)
8160.100000	---	35.14	54.00	18.86	150.0	H	174.0	9.0
8188.900000	44.94	---	74.00	29.06	150.0	H	278.0	9.0
9165.700000	45.12	---	74.00	28.88	150.0	H	0.0	10.5
9167.100000	---	36.27	54.00	17.73	150.0	H	127.0	10.5

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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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)
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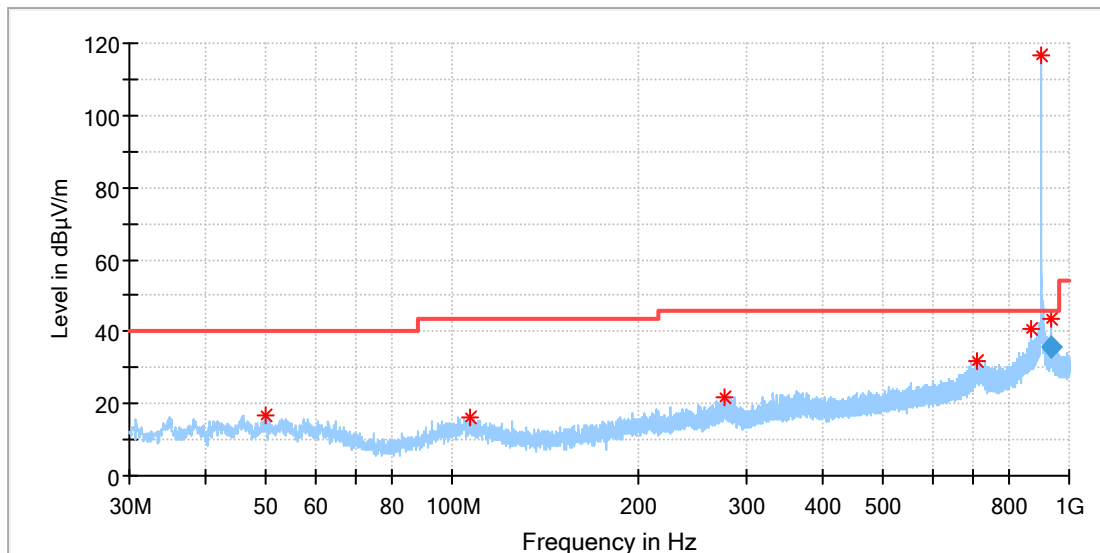
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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FSK FHSS (50kbps), 30 MHz - 1GHz

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

EUT Information

EUT Name:	Ring Beacon
Model:	6LFYA2
Test Mode:	FSK FHSS 50K 902.2MHz
Order No/Sample No:	168568650/A004092312-006
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

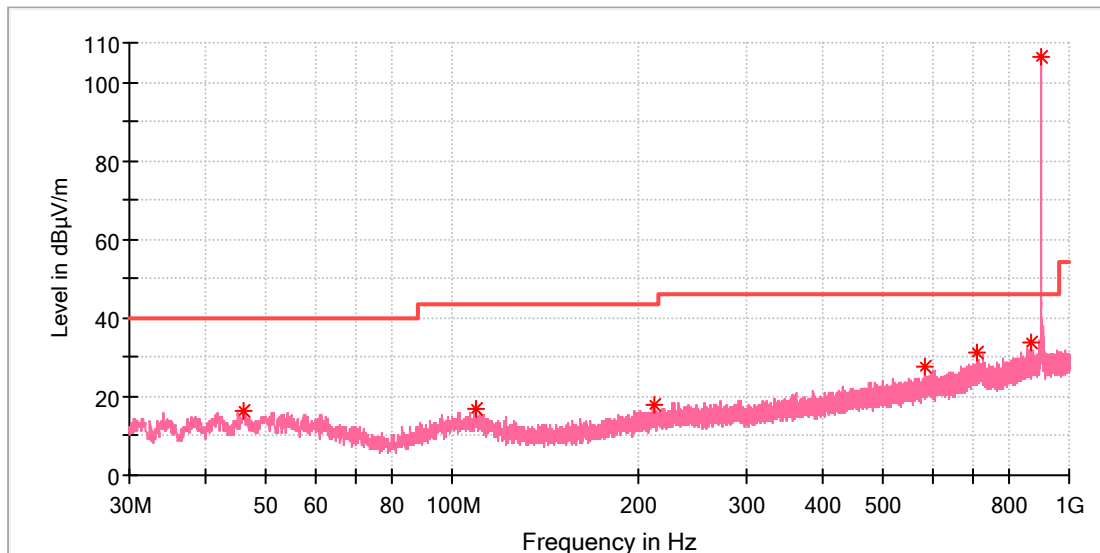
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.885000	16.73	40.00	23.27	100.0	H	279.0	-18.4
106.779231	16.05	43.50	27.45	100.0	H	126.0	-19.0
275.410000	21.94	46.00	24.06	100.0	H	279.0	-16.8
710.604231	31.87	46.00	14.13	100.0	H	126.0	-7.7
870.206539	40.83	46.00	5.17	100.0	H	220.0	-5.2
902.216539	116.78	---	---	100.0	H	220.0	-4.8
934.626731	43.30	46.00	2.70	100.0	H	237.0	-4.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
934.626731	35.69	46.00	10.31	100.0	H	237.0	-4.4

EUT Information

EUT Name: Ring Beacon
Model: 6LFYA2
Test Mode: FSK FHSS 50K 902.2MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

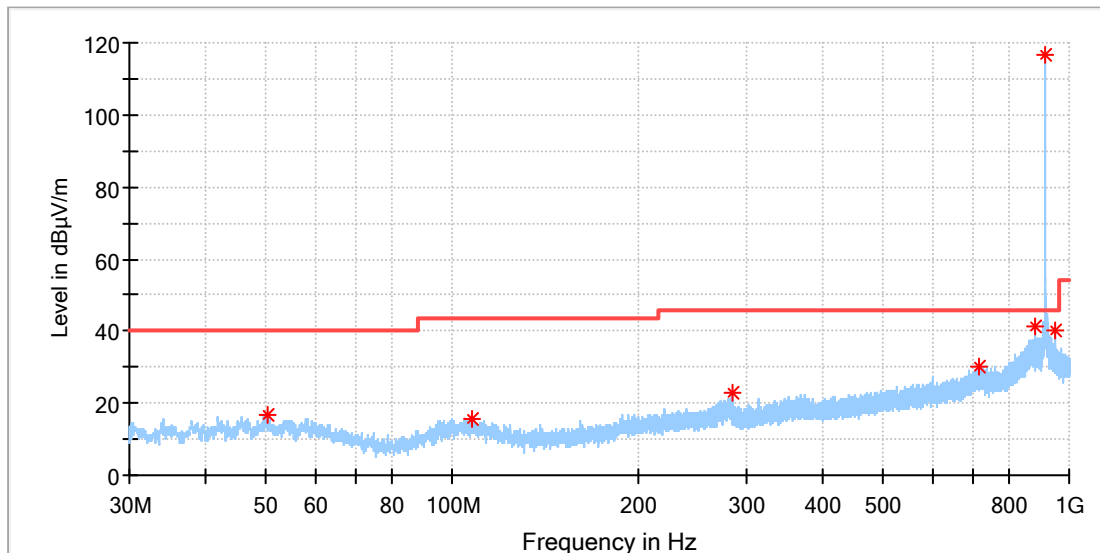
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.005000	16.52	40.00	23.48	100.0	V	340.0	-18.8
109.055000	16.70	43.50	26.80	100.0	V	94.0	-19.1
211.949615	18.13	43.50	25.37	100.0	V	256.0	-18.8
583.571539	27.69	46.00	18.31	100.0	V	141.0	-10.1
711.238462	31.15	46.00	14.85	100.0	V	234.0	-7.7
870.243846	33.93	46.00	12.07	100.0	V	332.0	-5.2
902.216539	106.27	---	---	100.0	V	348.0	-4.8

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: Ring Beacon
Model: 6LFYA2
Test Mode: FSK FHSS 50K 915MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

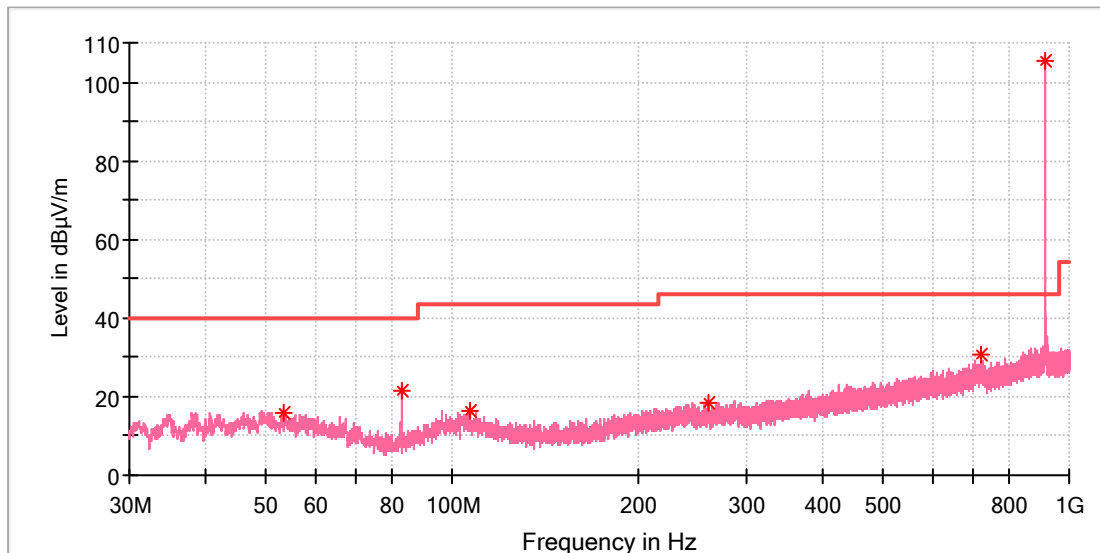
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.108846	16.74	40.00	23.26	100.0	H	240.0	-18.4
108.085000	15.80	43.50	27.70	100.0	H	157.0	-19.1
283.729615	22.69	46.00	23.31	100.0	H	248.0	-16.6
715.454231	30.25	46.00	15.75	100.0	H	132.0	-7.7
883.003077	41.55	46.00	4.45	100.0	H	182.0	-5.0
915.013077	116.46	---	---	100.0	H	232.0	-4.6
946.985769	40.01	46.00	5.99	100.0	H	272.0	-4.3

Final Result

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

EUT Information

EUT Name: Ring Beacon
Model: 6LFYA2
Test Mode: FSK FHSS 50K 915MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

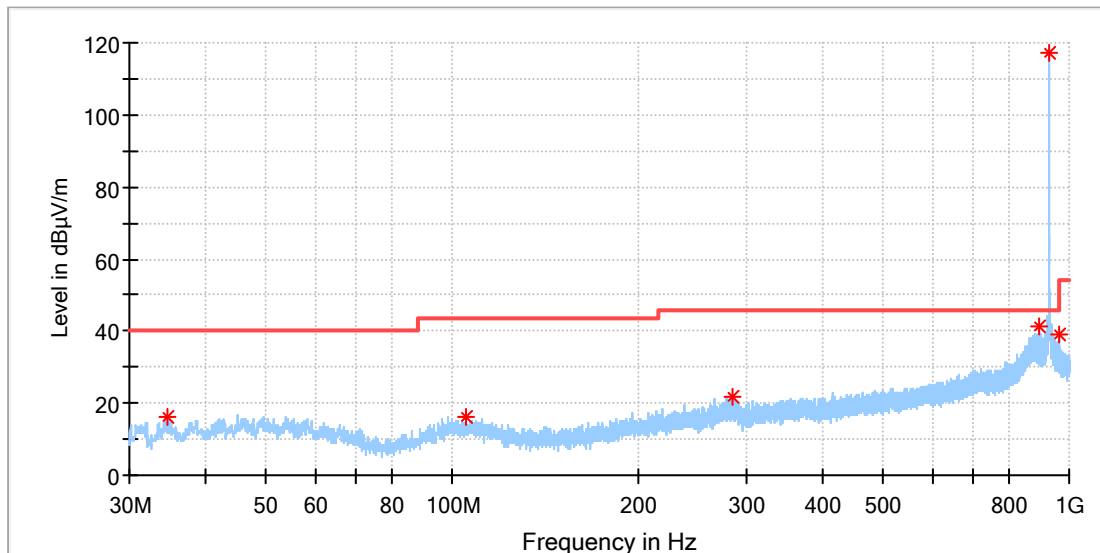
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
53.466539	16.12	40.00	23.88	100.0	V	5.0	-18.5
82.790385	21.65	40.00	18.35	100.0	V	64.0	-23.0
107.152308	16.28	43.50	27.22	100.0	V	71.0	-19.0
259.591539	18.28	46.00	27.72	100.0	V	88.0	-17.1
720.528077	30.49	46.00	15.51	100.0	V	120.0	-7.6
915.013077	105.41	---	---	100.0	V	0.0	-4.6

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: Ring Beacon
Model: 6LFYA2
Test Mode: FSK FHSS 50K 927.8MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

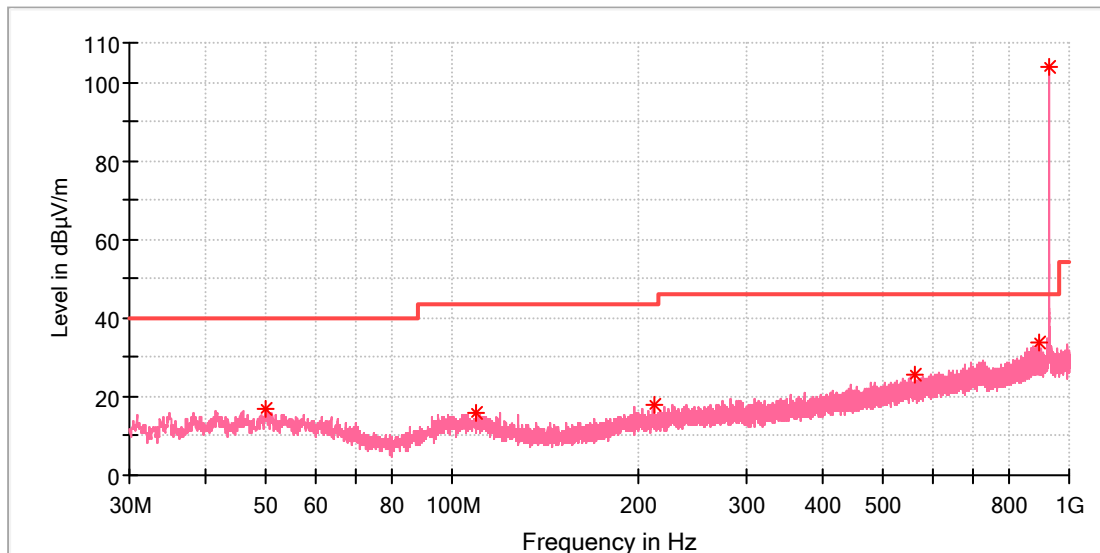
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.663462	16.08	40.00	23.92	100.0	H	181.0	-22.1
105.436154	16.05	43.50	27.45	100.0	H	254.0	-18.9
285.408462	22.03	46.00	23.97	100.0	H	254.0	-16.6
895.836923	41.18	46.00	4.82	100.0	H	163.0	-4.8
927.846923	117.35	---	---	100.0	H	237.0	-4.5
959.856923	39.31	46.00	6.69	100.0	H	254.0	-4.1

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: Ring Beacon
Model: 6LFYA2
Test Mode: FSK FHSS 50K 927.8MHz
Order No/Sample No: 168568650/A004092312-006
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

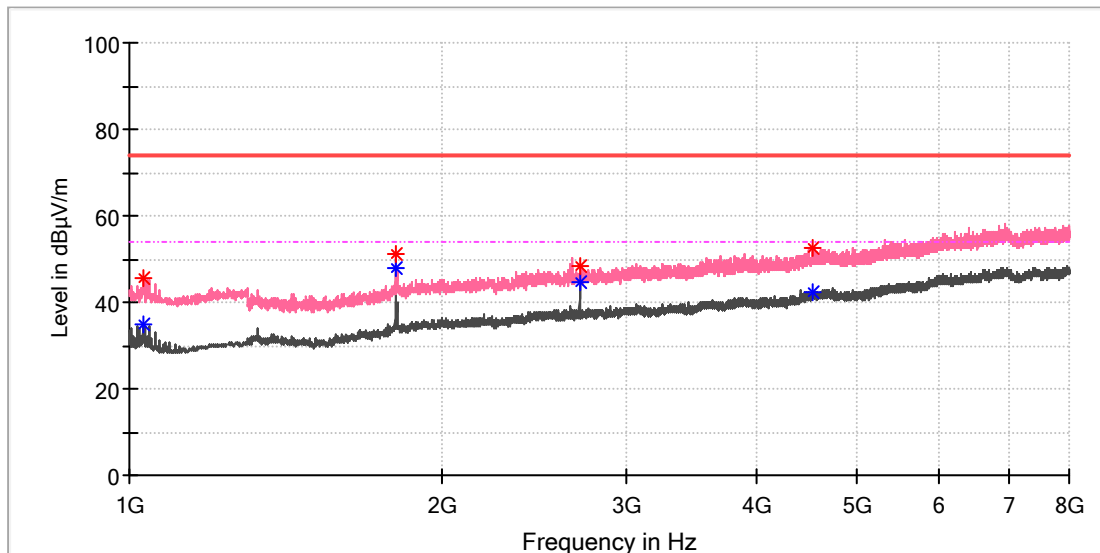
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.735769	17.01	40.00	22.99	100.0	V	0.0	-18.4
109.204231	15.71	43.50	27.79	100.0	V	169.0	-19.2
211.949615	17.89	43.50	25.61	100.0	V	200.0	-18.8
561.261539	25.78	46.00	20.22	100.0	V	185.0	-10.5
895.799615	34.00	46.00	12.00	100.0	V	326.0	-4.8
927.846923	103.78	---	---	100.0	V	95.0	-4.5

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:	Ring Beacon
Model:	6LFYA2
Test Mode:	FSK FHSS 50K 902.2MHz
Order No/Sample No:	168568650/A004092312-006
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)	PoI	Azimuth (deg)	Corr. (dB/m)
1030.000000	---	34.95	54.00	19.05	150.0	V	246.0	0.4
1030.000000	45.41	---	74.00	28.59	150.0	V	246.0	0.4
1804.175000	---	48.01	76.27	28.26	150.0	V	336.0	6.2
1804.733333	51.06	---	86.27	35.21	150.0	V	336.0	6.3
2706.441667	48.58	---	74.00	25.42	150.0	V	254.0	9.0
2706.441667	---	44.75	54.00	9.25	150.0	V	254.0	9.0
4532.750000	---	42.50	54.00	11.50	150.0	V	65.0	13.3
4533.866667	52.48	---	74.00	21.52	150.0	V	272.0	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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Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

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)
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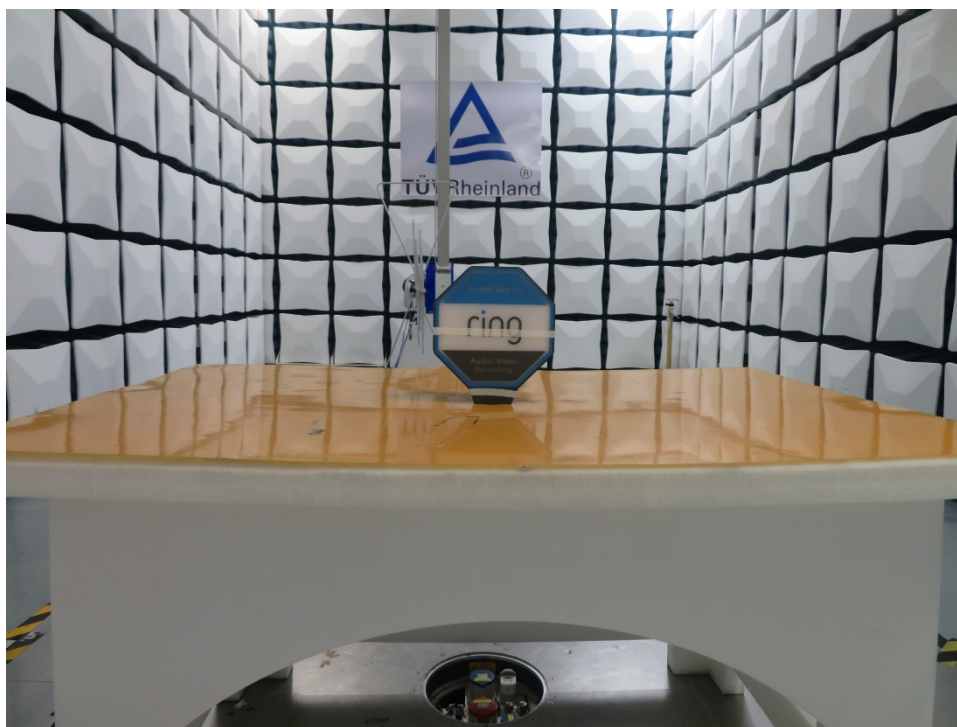
EUT Information

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

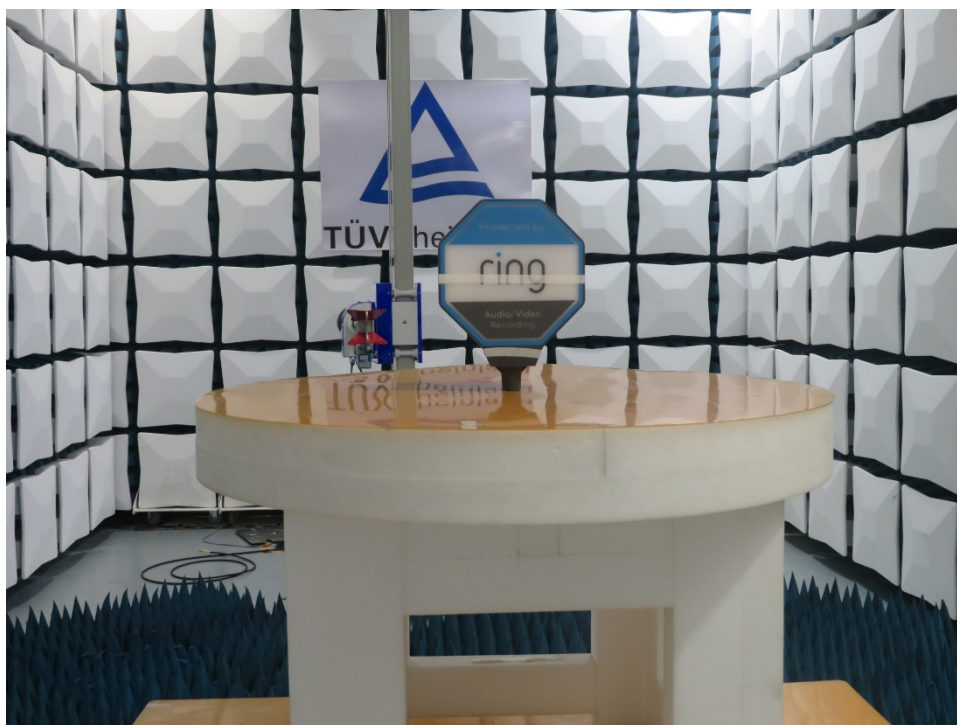
Appendix B: Photographs of the Test Set-Up

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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

