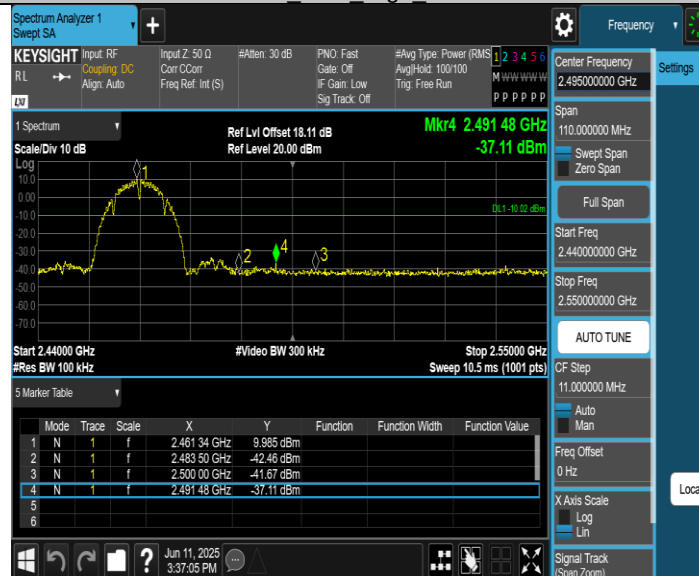


Test Graphs

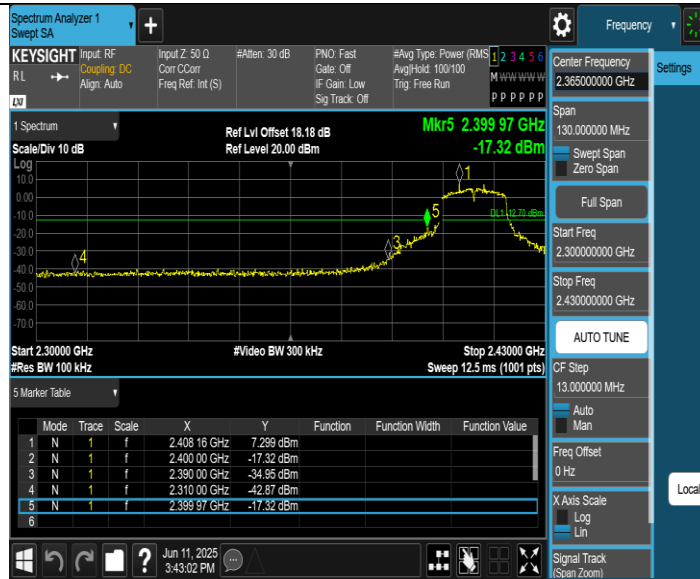
11B Ant1 Low 2412



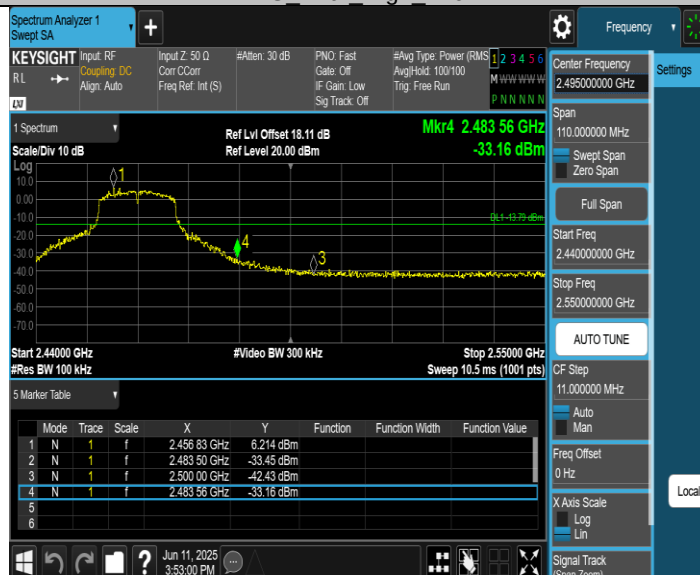
11B Ant1 High 2462



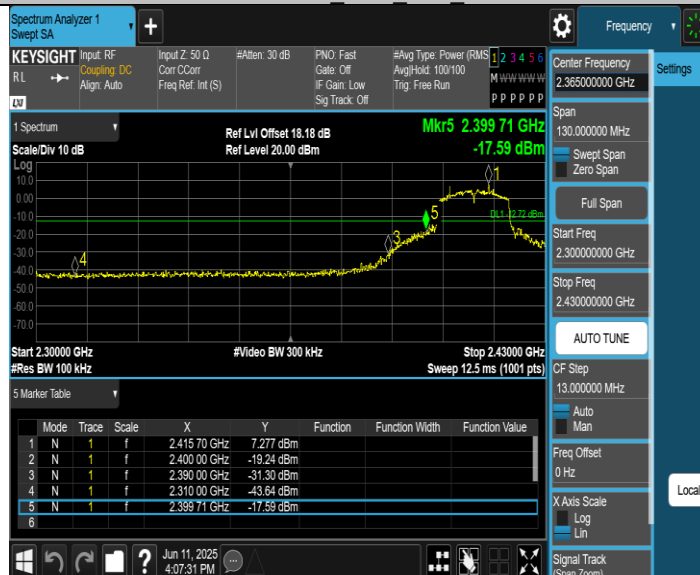
11G Ant1 Low 2412



11G Ant1 High 2462



11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



Appendix A.5: Test Results of Conducted Spurious Emissions

Test Result

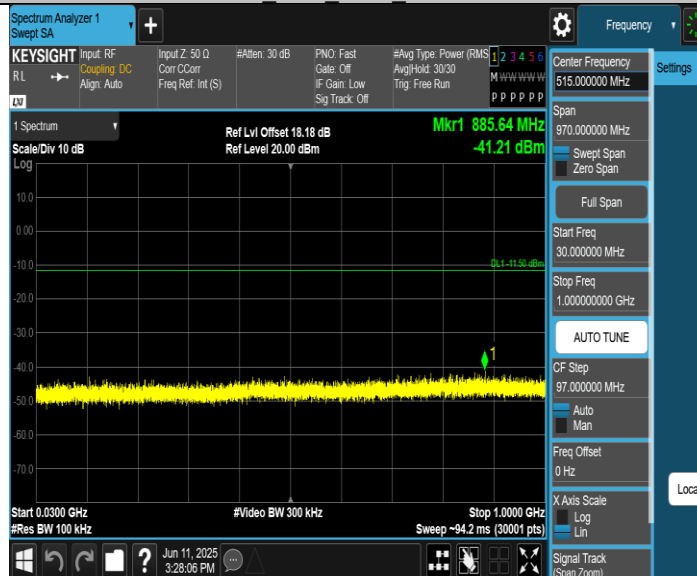
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.50	8.50	---	PASS
			30~1000	8.50	-41.21	≤-11.5	PASS
			1000~26500	8.50	-32.03	≤-11.5	PASS
		2437	Reference	9.31	9.31	---	PASS
			30~1000	9.31	-41.65	≤-10.69	PASS
			1000~26500	9.31	-31.82	≤-10.69	PASS
		2462	Reference	9.16	9.16	---	PASS
			30~1000	9.16	-41.77	≤-10.84	PASS
			1000~26500	9.16	-32.17	≤-10.84	PASS
11G	Ant1	2412	Reference	4.81	4.81	---	PASS
			30~1000	4.81	-40.92	≤-15.19	PASS
			1000~26500	4.81	-31.87	≤-15.19	PASS
		2437	Reference	4.70	4.70	---	PASS
			30~1000	4.70	-41.48	≤-15.3	PASS
			1000~26500	4.70	-31.5	≤-15.3	PASS
		2462	Reference	4.66	4.66	---	PASS
			30~1000	4.66	-42.03	≤-15.34	PASS
			1000~26500	4.66	-30.73	≤-15.34	PASS
11N20SISO	Ant1	2412	Reference	7.47	7.47	---	PASS
			30~1000	7.47	-40.92	≤-12.53	PASS
			1000~26500	7.47	-32.13	≤-12.53	PASS
		2437	Reference	6.68	6.68	---	PASS
			30~1000	6.68	-41.49	≤-13.32	PASS
			1000~26500	6.68	-32.01	≤-13.32	PASS
		2462	Reference	2.12	2.12	---	PASS
			30~1000	2.12	-41.91	≤-17.88	PASS
			1000~26500	2.12	-32.82	≤-17.88	PASS
11AX20SISO	Ant1	2412	Reference	2.28	2.28	---	PASS
			30~1000	2.28	-42.15	≤-17.72	PASS
			1000~26500	2.28	-32.71	≤-17.72	PASS
		2437	Reference	2.68	2.68	---	PASS
			30~1000	2.68	-41.16	≤-17.32	PASS
			1000~26500	2.68	-32.74	≤-17.32	PASS
		2462	Reference	3.21	3.21	---	PASS
			30~1000	3.21	-41.76	≤-16.79	PASS
			1000~26500	3.21	-31.53	≤-16.79	PASS

Test Graphs

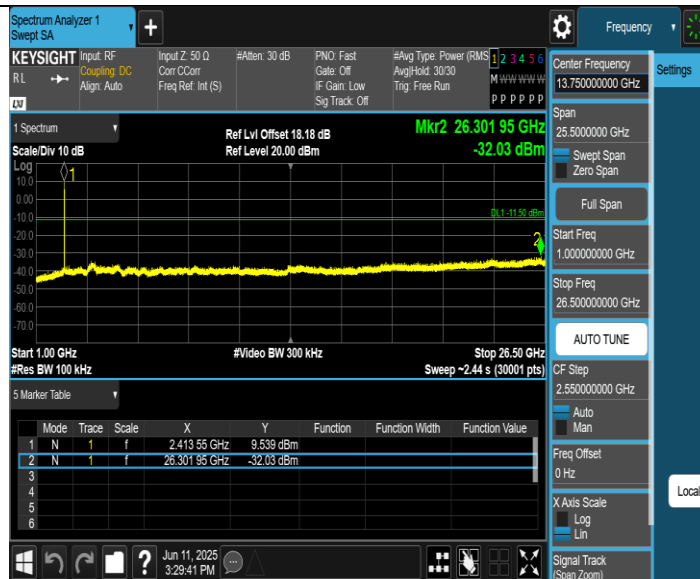
11B_Ant1_2412_0-Reference



11B_Ant1_2412_30-1000



11B_Ant1_2412_1000-26500



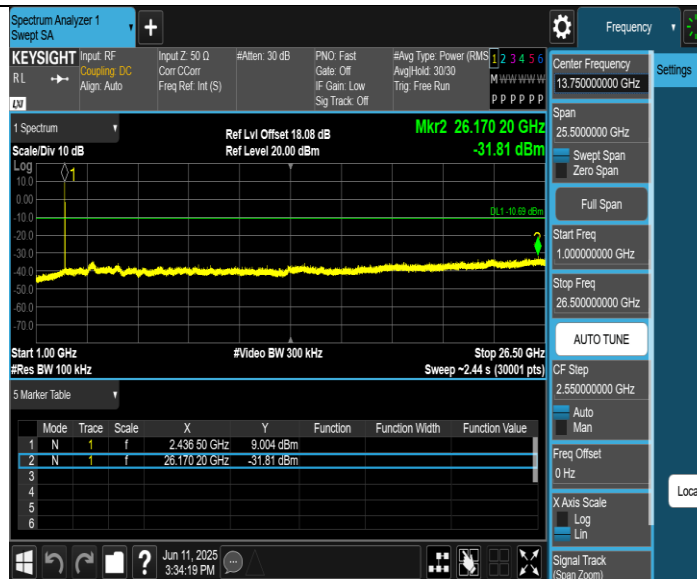
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



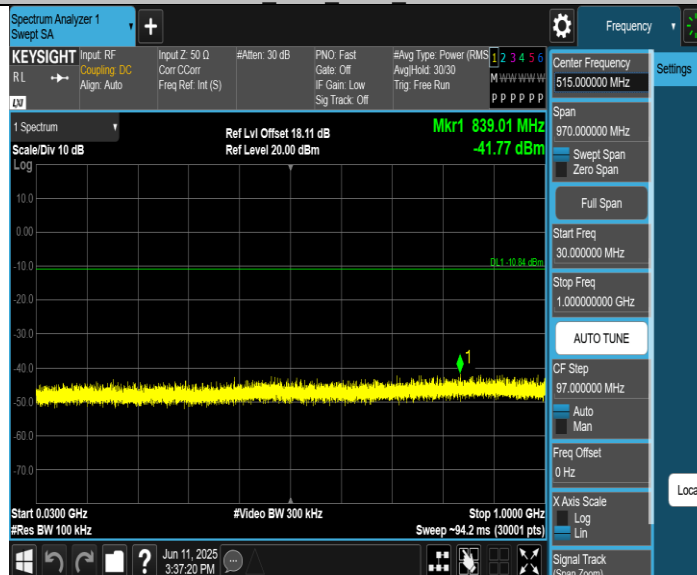
11B_Ant1_2437_1000~26500



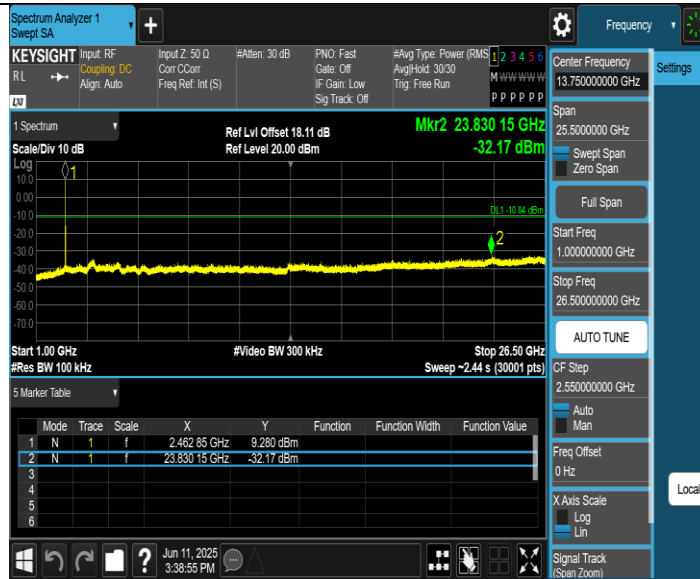
11B_Ant1_2462_0-Reference



11B_Ant1_2462_30-1000



11B_Ant1_2462_1000-26500



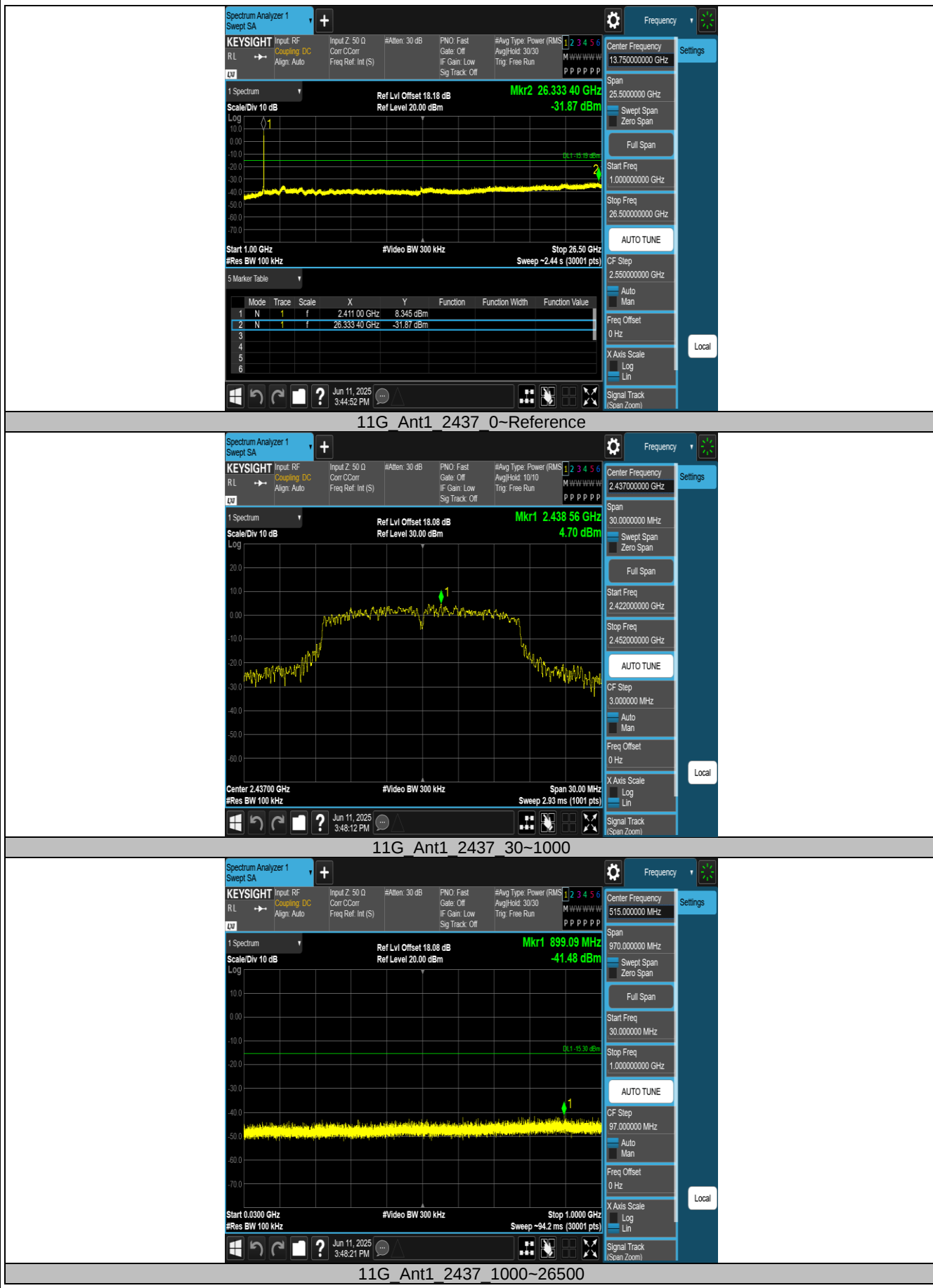
11G_Ant1_2412_0-Reference

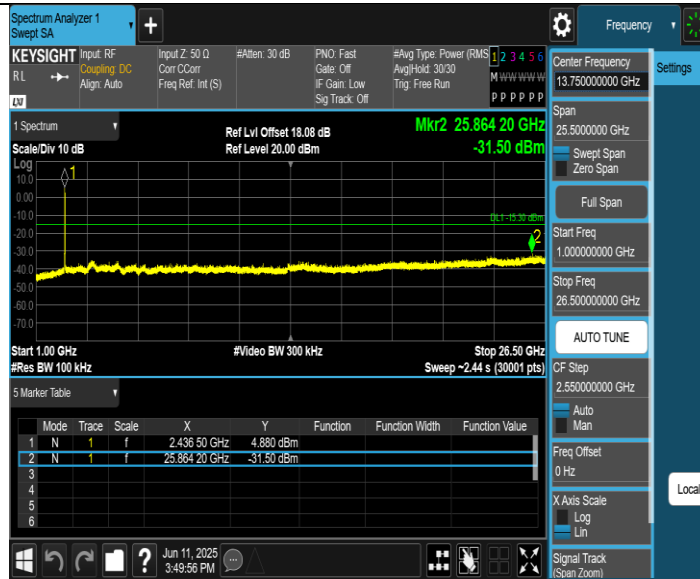


11G_Ant1_2412_30-1000



11G_Ant1_2412_1000-26500





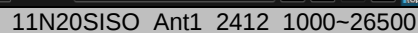
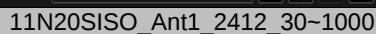
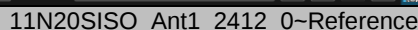
11G_Ant1_2462_0-Reference

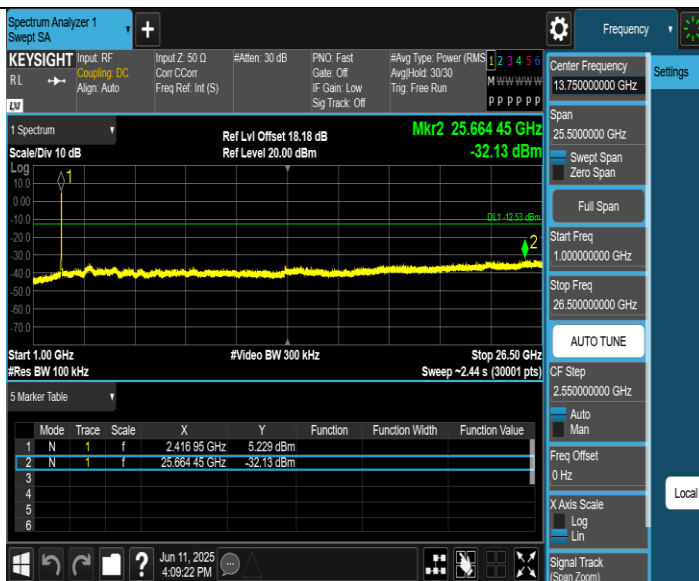


11G_Ant1_2462_30-1000

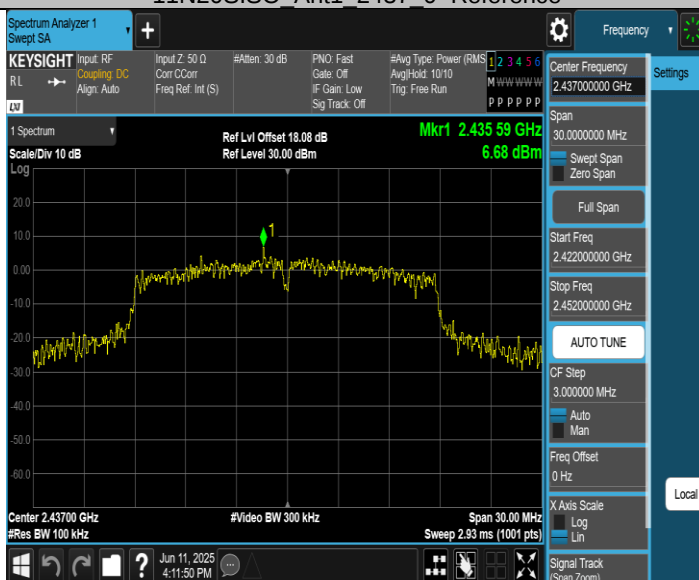


11G_Ant1_2462_1000-26500

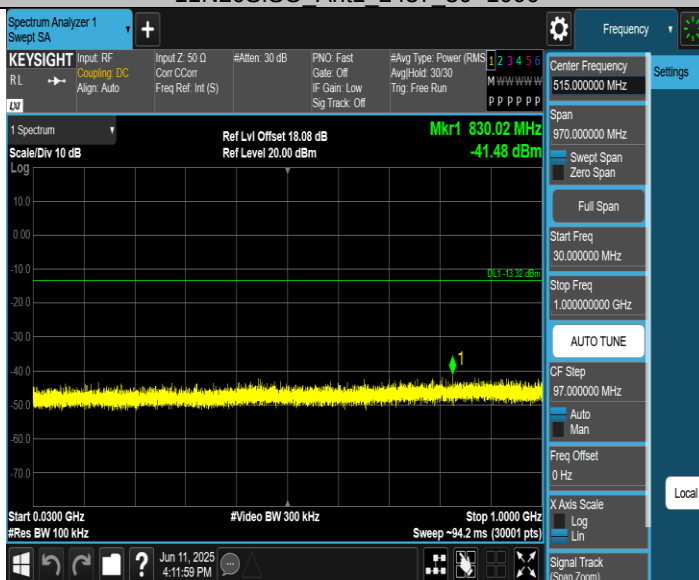




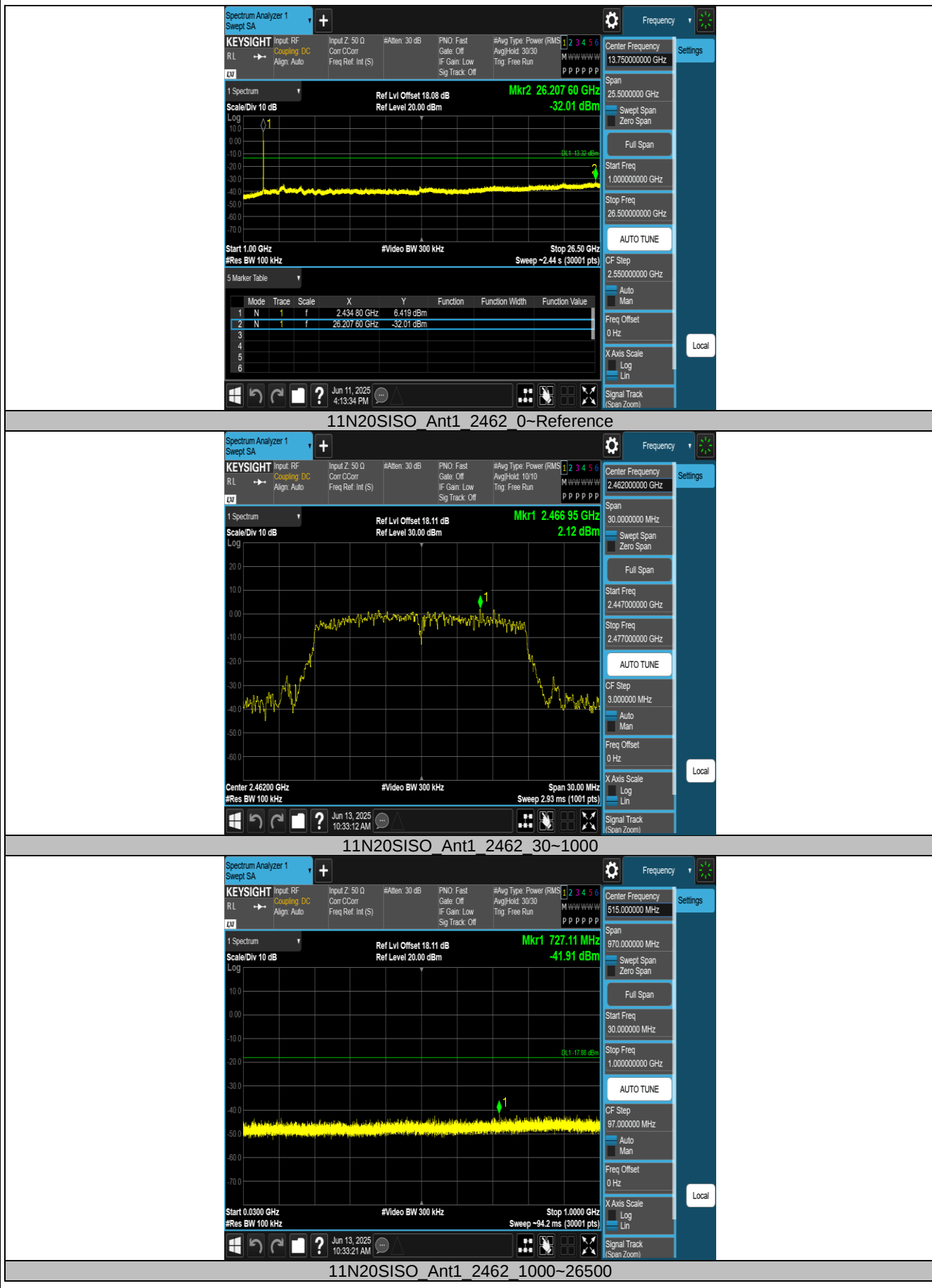
11N20SISO_Ant1_2437_0-Reference

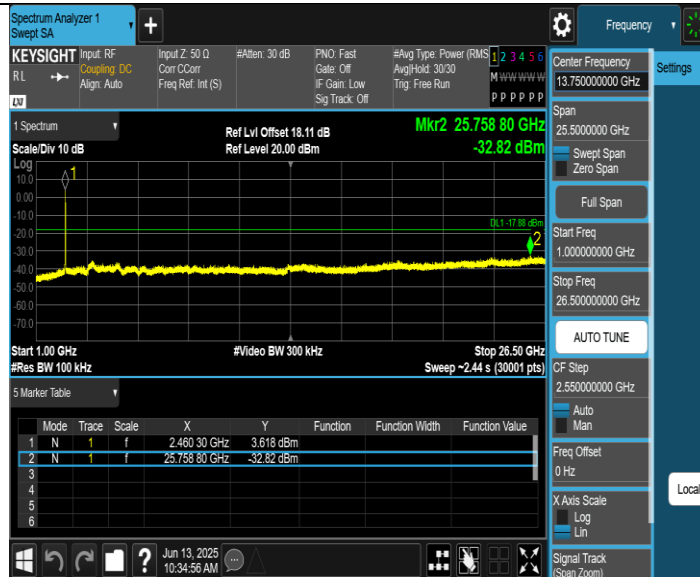


11N20SISO_Ant1_2437_30-1000



11N20SISO_Ant1_2437_1000-26500

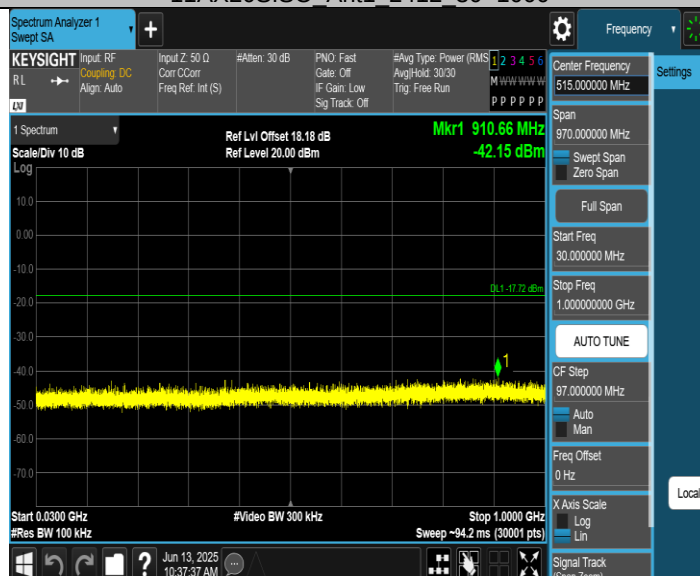




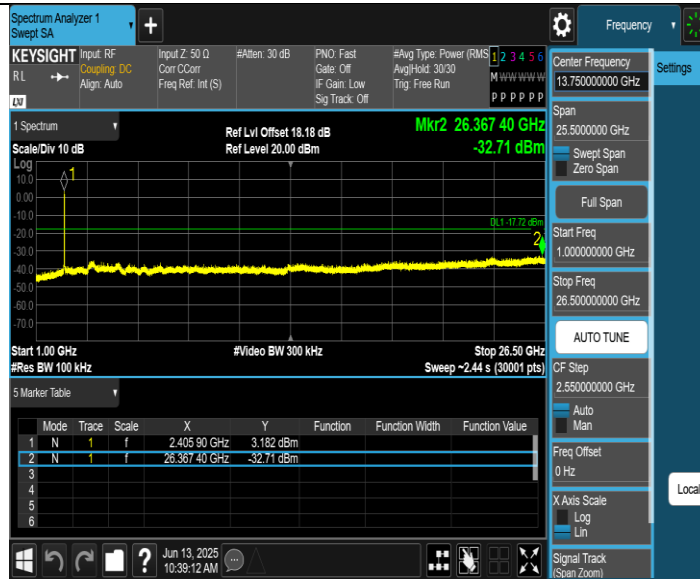
11AX20SISO_Ant1_2412_0-Reference



11AX20SISO_Ant1_2412_30~1000



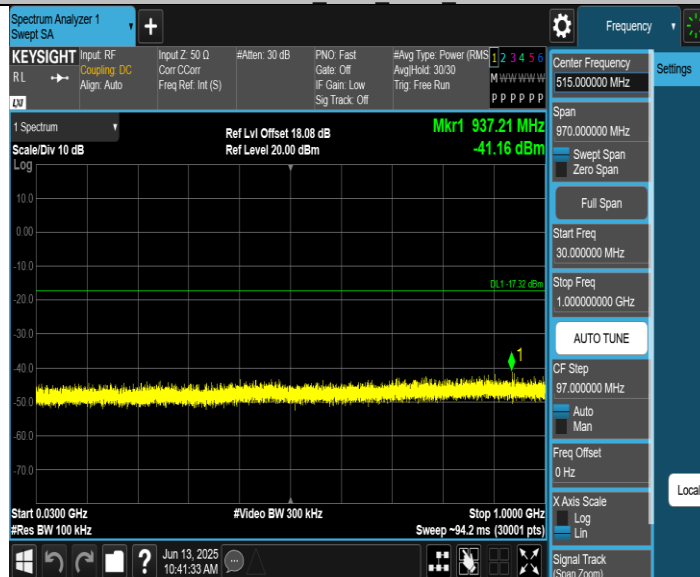
11AX20SISO_Ant1_2412_1000~26500



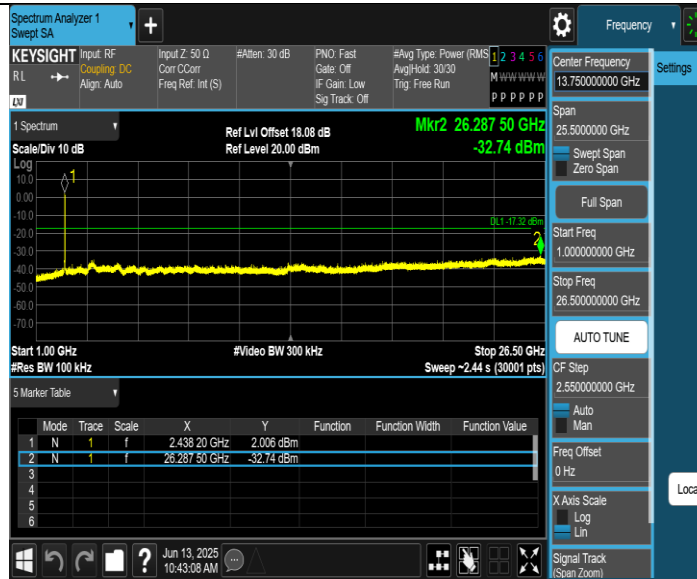
11AX20SISO Ant1 2437 0-Reference



11AX20SISO Ant1 2437 30~1000



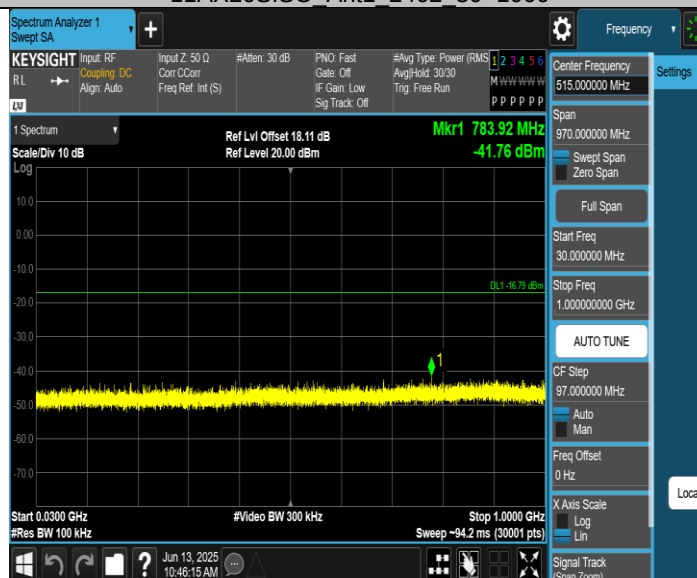
11AX20SISO Ant1 2437 1000~26500



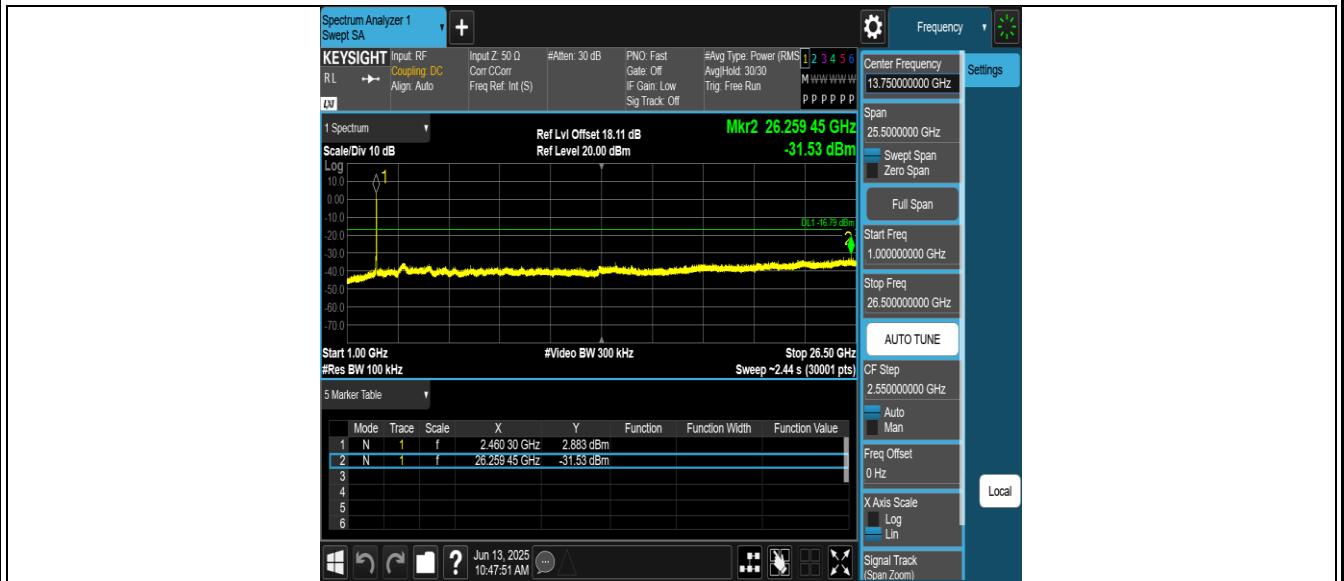
11AX20SISO Ant1 2462 0-Reference



11AX20SISO Ant1 2462 30~1000



11AX20SISO Ant1 2462 1000~26500



Appendix A.6: Test Results of Radiated Spurious Emissions

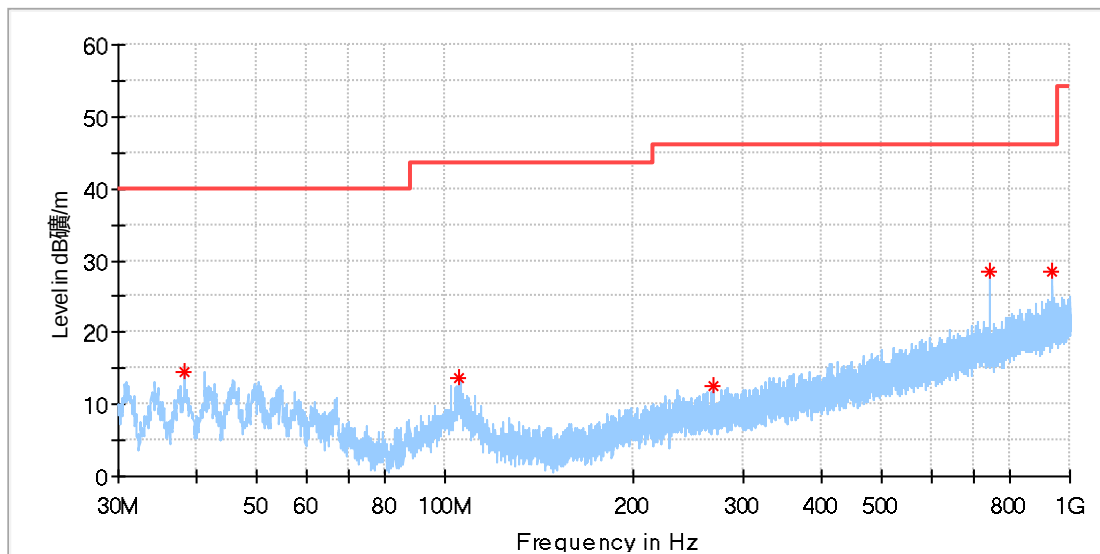
Note:

- 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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

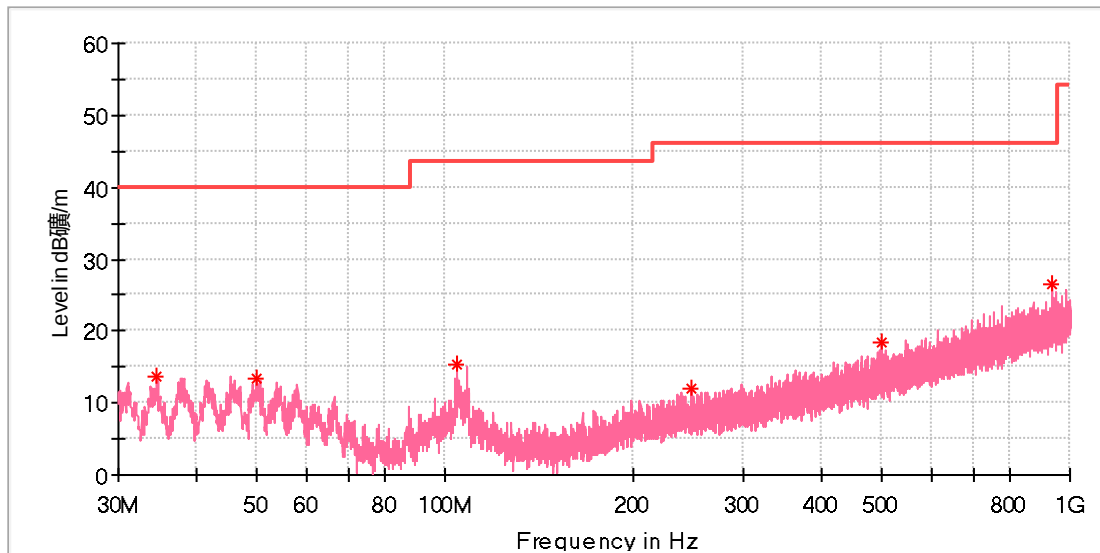
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
38.245000	14.42	40.00	25.58	100.0	H	291.0	-20.7
105.249615	13.76	43.50	29.74	100.0	H	63.0	-18.9
268.396154	12.50	46.00	33.50	100.0	H	54.0	-17.0
742.502308	28.55	46.00	17.45	100.0	H	189.0	-7.2
937.509615	28.36	46.00	17.64	100.0	H	340.0	-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: M10 Sensor
Model: M10-506-W
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168552592/4003992354-004
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)
34.626154	13.69	40.00	26.31	100.0	V	8.0	-22.1
49.885000	13.52	40.00	26.48	100.0	V	288.0	-18.4
104.727308	15.47	43.50	28.03	100.0	V	120.0	-18.9
248.324615	12.04	46.00	33.96	100.0	V	120.0	-17.4
500.114231	18.39	46.00	27.61	100.0	V	128.0	-11.9
936.950000	26.61	46.00	19.39	100.0	V	178.0	-4.4

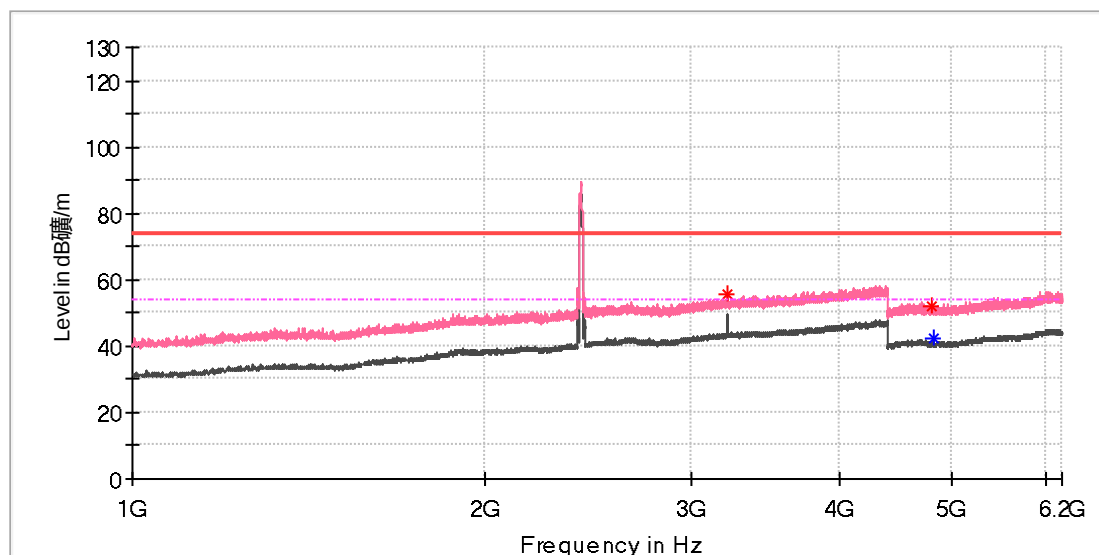
Final_Result

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

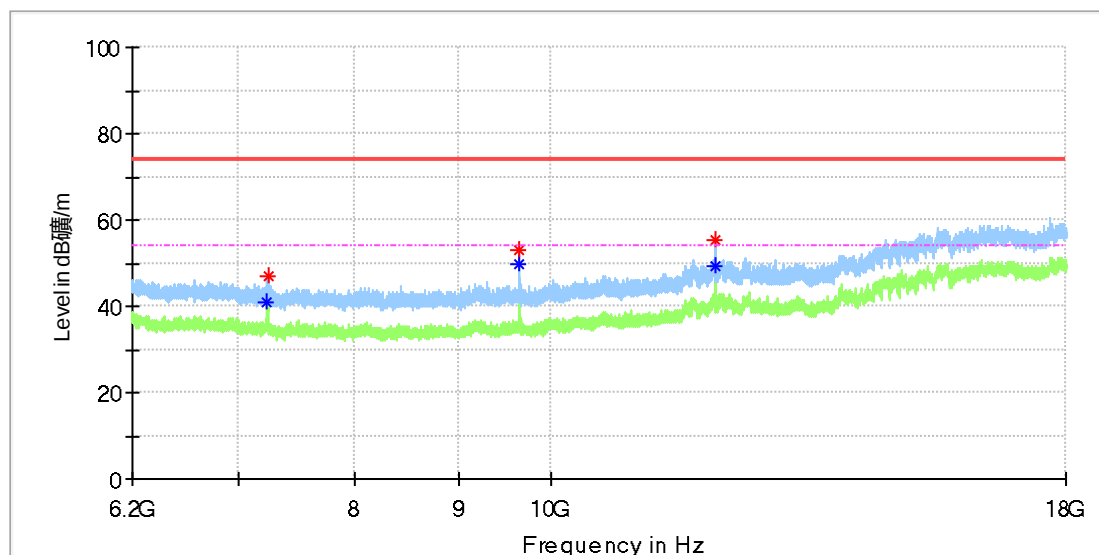
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3215.500000	55.84	---	68.20	12.36	150.0	V	201.0	10.8
4810.000000	51.85	---	74.00	22.15	150.0	V	292.0	13.3
4823.500000	---	42.08	54.00	11.92	150.0	V	296.0	13.3

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

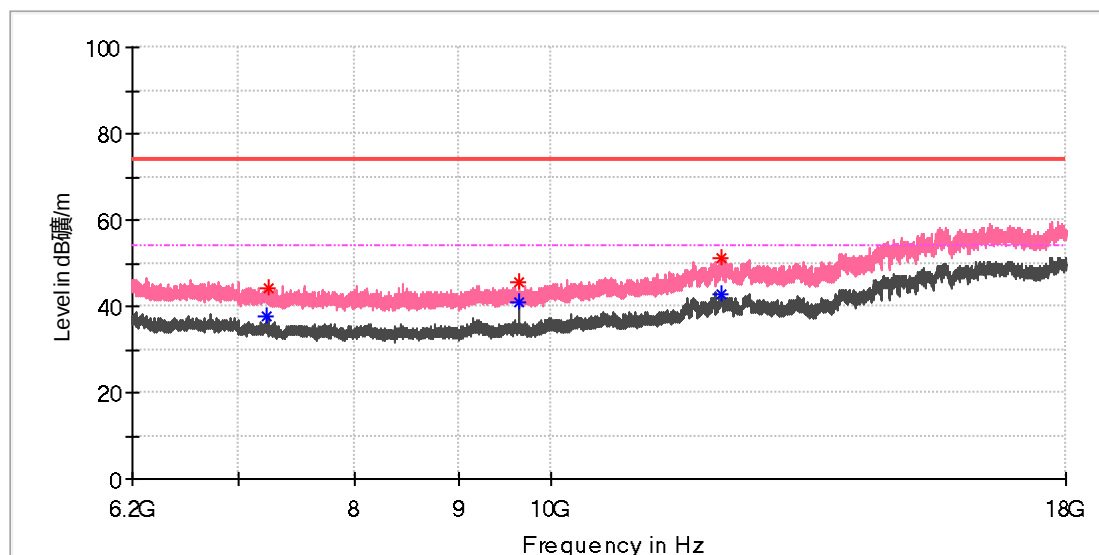
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7234.958333	---	41.14	54.00	12.86	150.0	H	238.0	8.6
7235.450000	46.98	---	74.00	27.02	150.0	H	282.0	8.6
9647.566667	---	49.94	54.00	4.06	150.0	H	294.0	10.4
9647.566667	53.19	---	74.00	20.81	150.0	H	294.0	10.4
12058.700000	55.34	---	74.00	18.66	150.0	H	165.0	15.4
12058.700000	---	49.42	54.00	4.58	150.0	H	165.0	15.4

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

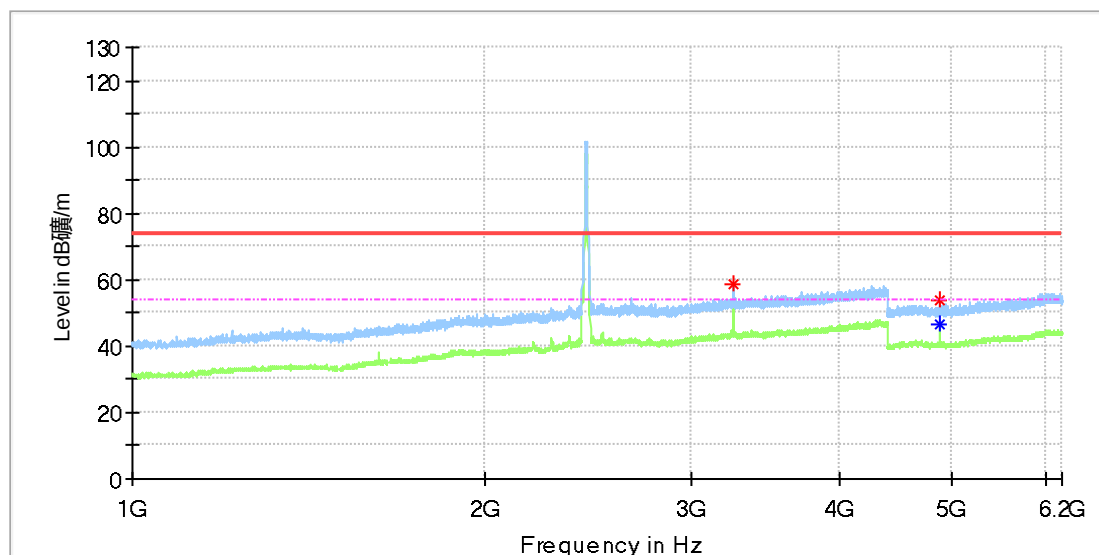
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7234.958333	---	37.59	54.00	16.41	150.0	V	13.0	8.6
7235.941667	44.26	---	74.00	29.74	150.0	V	0.0	8.6
9647.566667	45.61	---	74.00	28.39	150.0	V	88.0	10.4
9647.566667	---	40.94	54.00	13.06	150.0	V	88.0	10.4
12137.858333	51.22	---	74.00	22.78	150.0	V	3.0	16.4
12150.150000	---	42.86	54.00	11.14	150.0	V	0.0	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)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

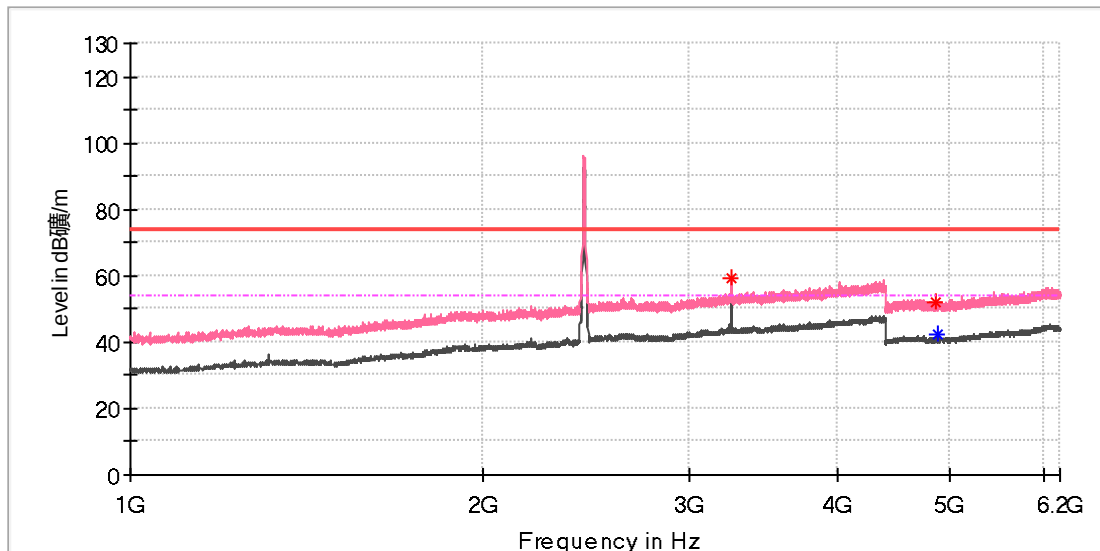
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3249.500000	58.48	---	68.20	9.72	150.0	H	322.0	10.8
4873.500000	---	46.65	54.00	7.35	150.0	H	162.0	13.3
4873.500000	53.85	---	74.00	20.15	150.0	H	162.0	13.3

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

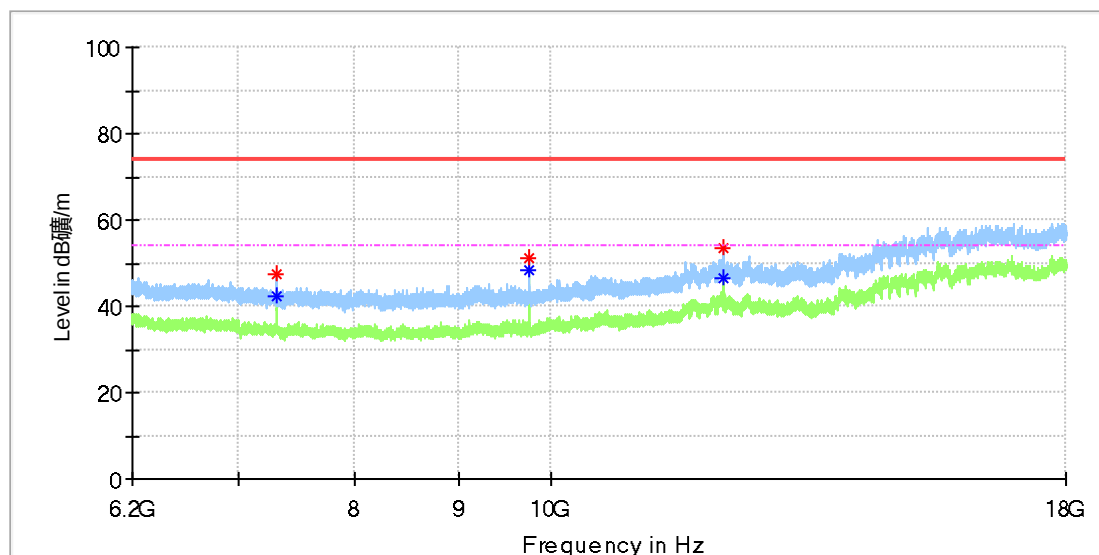
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3249.500000	59.37	---	68.20	8.83	150.0	V	296.0	10.8
4861.500000	52.14	---	74.00	21.86	150.0	V	47.0	13.3
4873.500000	---	42.42	54.00	11.58	150.0	V	196.0	13.3

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

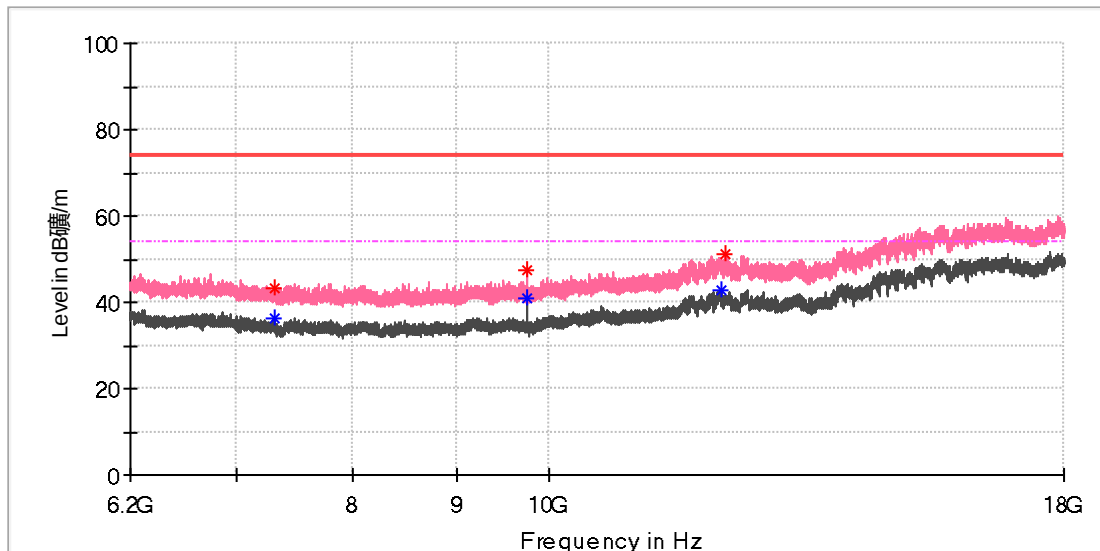
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.691667	47.63	---	74.00	26.37	150.0	H	80.0	8.2
7310.183333	---	42.47	54.00	11.53	150.0	H	314.0	8.2
9747.375000	51.09	---	74.00	22.91	150.0	H	302.0	10.4
9747.375000	---	48.16	54.00	5.84	150.0	H	302.0	10.4
12186.041667	---	46.37	54.00	7.63	150.0	H	339.0	14.9
12186.533333	53.28	---	74.00	20.72	150.0	H	339.0	14.9

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

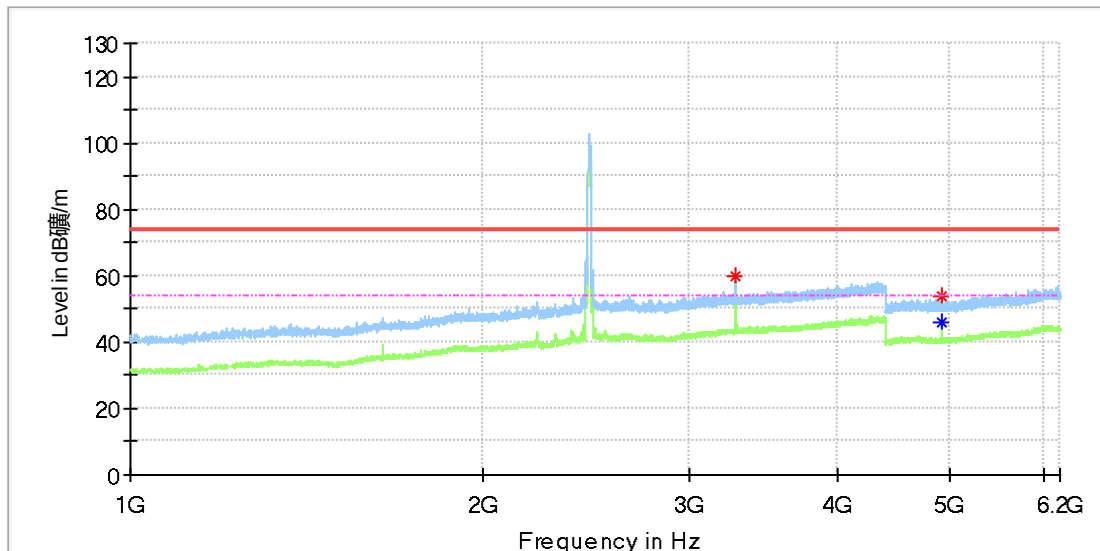
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.200000	---	36.18	54.00	17.82	150.0	V	2.0	8.2
7310.183333	43.48	---	74.00	30.52	150.0	V	278.0	8.2
9747.375000	47.41	---	74.00	26.59	150.0	V	147.0	10.4
9747.375000	---	40.91	54.00	13.09	150.0	V	147.0	10.4
12183.583333	---	42.56	54.00	11.44	150.0	V	241.0	15.0
12234.716667	51.25	---	74.00	22.75	150.0	V	169.0	16.0

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

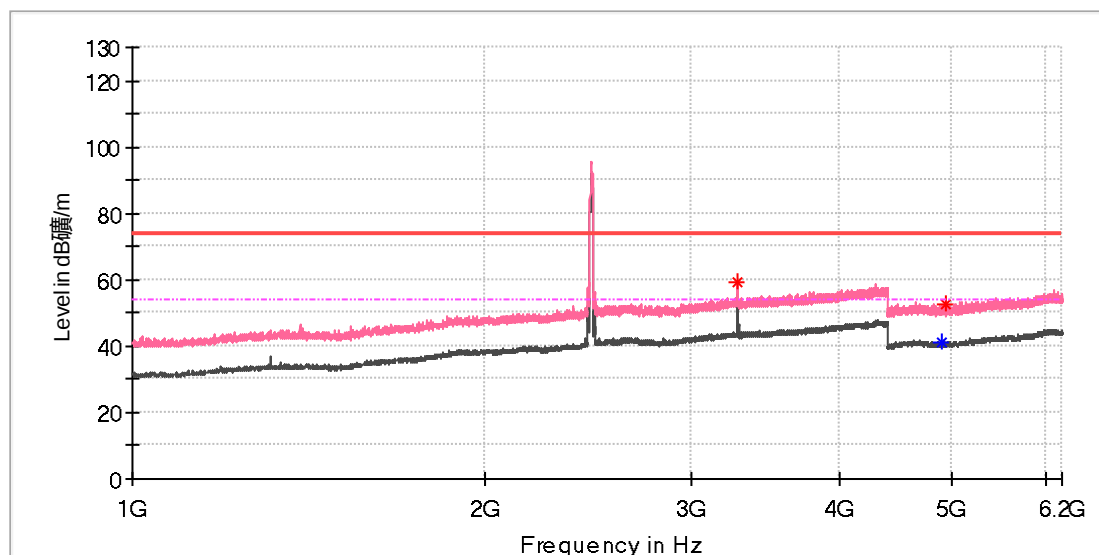
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3282.500000	59.95	---	68.20	8.25	150.0	H	311.0	10.8
4923.500000	---	45.75	54.00	8.25	150.0	H	152.0	13.3
4924.500000	53.85	---	74.00	20.15	150.0	H	258.0	13.3

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

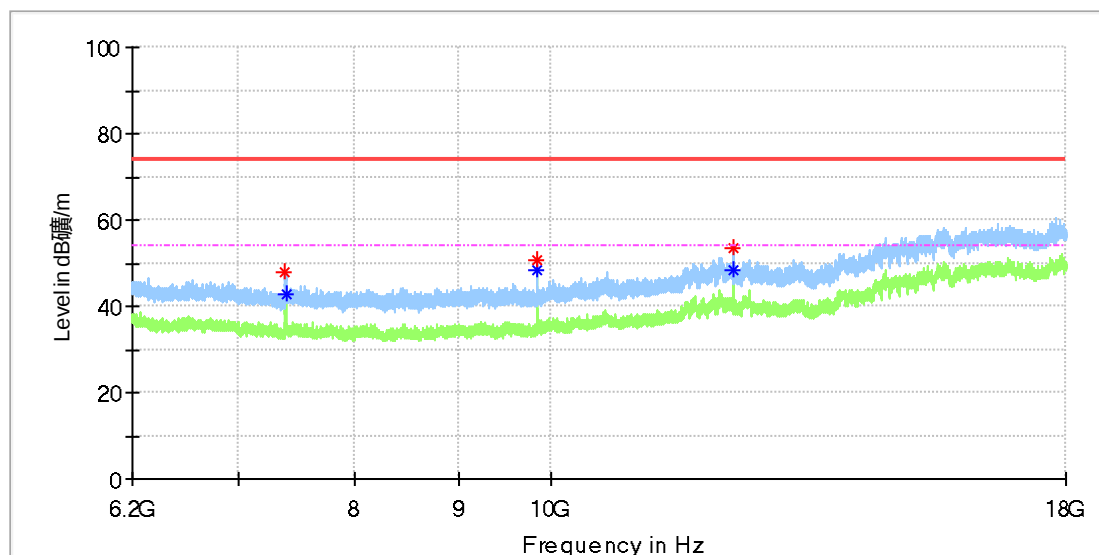
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3282.500000	59.20	---	68.20	9.00	150.0	V	292.0	10.8
4902.000000	---	41.19	54.00	12.81	150.0	V	265.0	13.3
4942.500000	52.39	---	74.00	21.61	150.0	V	190.0	13.3

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

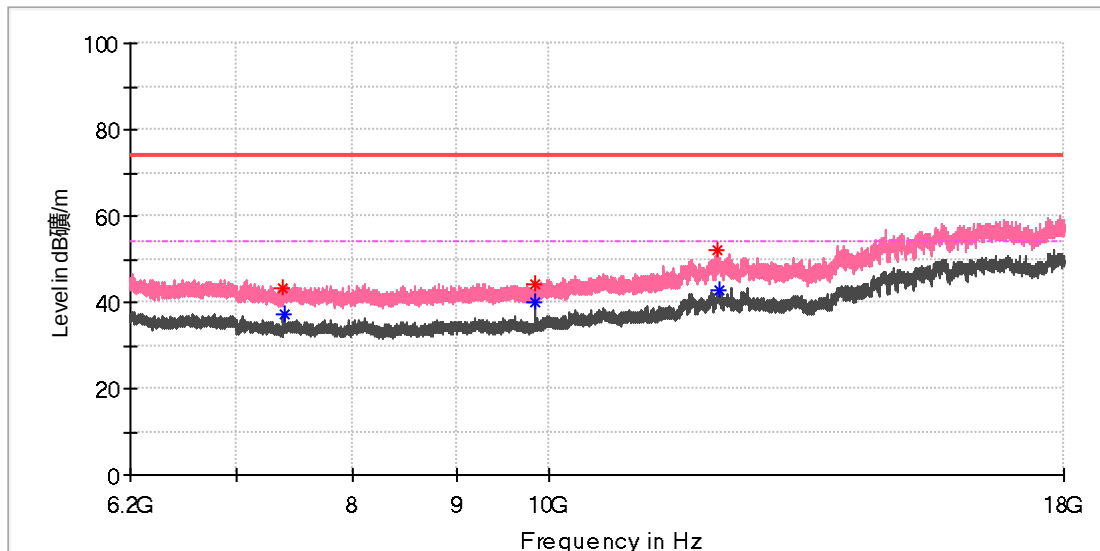
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7384.425000	47.80	---	74.00	26.20	150.0	H	0.0	8.2
7386.391667	---	43.02	54.00	10.98	150.0	H	0.0	8.2
9847.675000	---	48.34	54.00	5.66	150.0	H	305.0	10.6
9847.675000	50.82	---	74.00	23.18	150.0	H	305.0	10.6
12308.466667	---	48.23	54.00	5.77	150.0	H	337.0	15.3
12308.958333	53.59	---	74.00	20.41	150.0	H	337.0	15.2

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

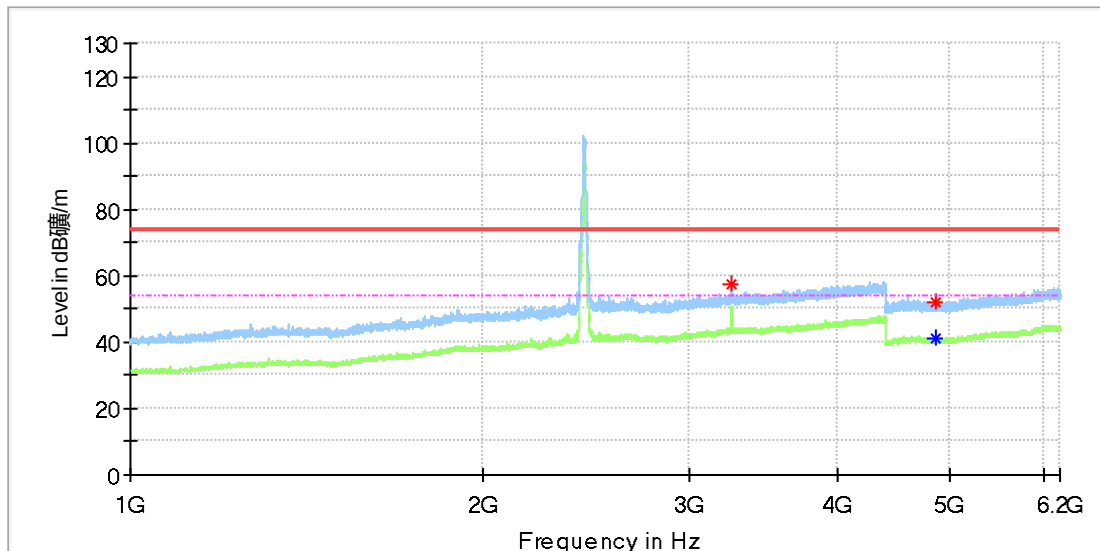
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7382.458333	43.44	---	74.00	30.56	150.0	V	355.0	8.2
7387.866667	---	37.42	54.00	16.58	150.0	V	0.0	8.2
9847.675000	44.24	---	74.00	29.76	150.0	V	246.0	10.6
9847.675000	---	39.98	54.00	14.02	150.0	V	246.0	10.6
12114.750000	51.88	---	74.00	22.12	150.0	V	55.0	15.8
12142.775000	---	42.99	54.00	11.01	150.0	V	99.0	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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

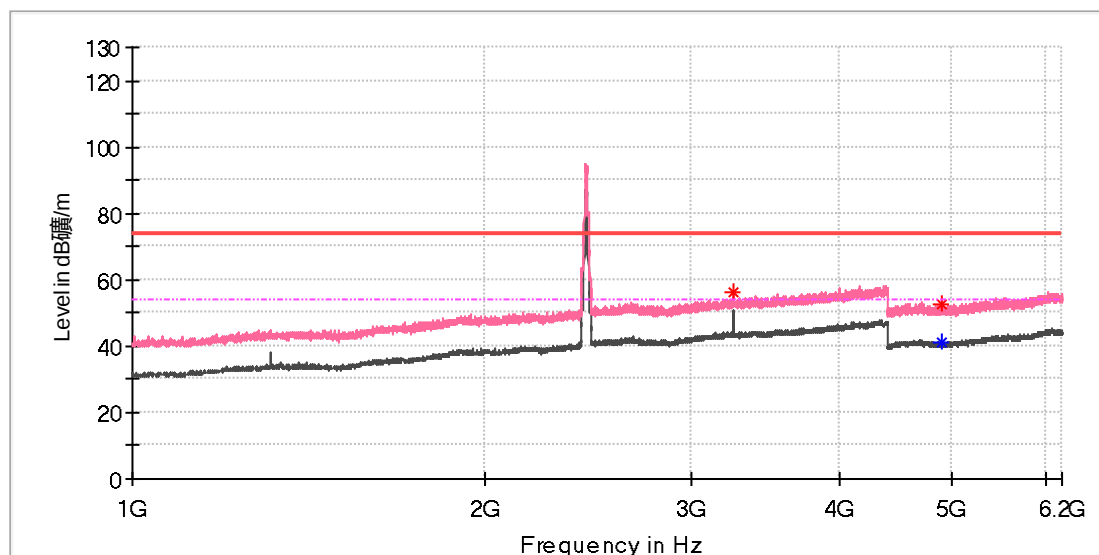
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3249.000000	57.17	---	74.00	16.83	150.0	H	329.0	10.8
4858.500000	---	41.21	54.00	12.79	150.0	H	1.0	13.3
4864.500000	51.86	---	74.00	22.14	150.0	H	170.0	13.3

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

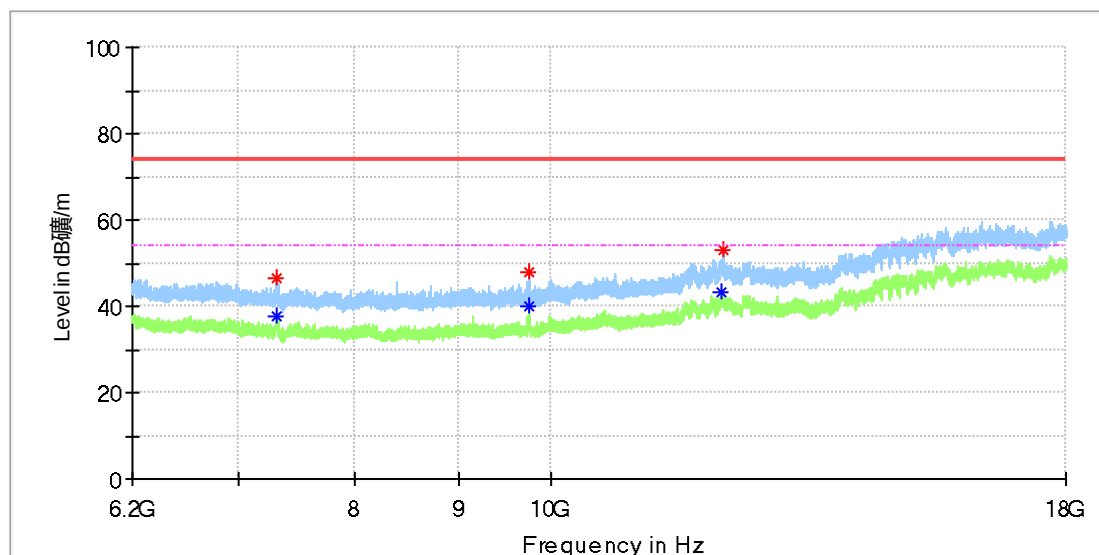
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3249.500000	56.43	---	74.00	17.57	150.0	V	295.0	10.8
4900.500000	---	41.14	54.00	12.86	150.0	V	162.0	13.3
4906.500000	52.37	---	74.00	21.63	150.0	V	234.0	13.3

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

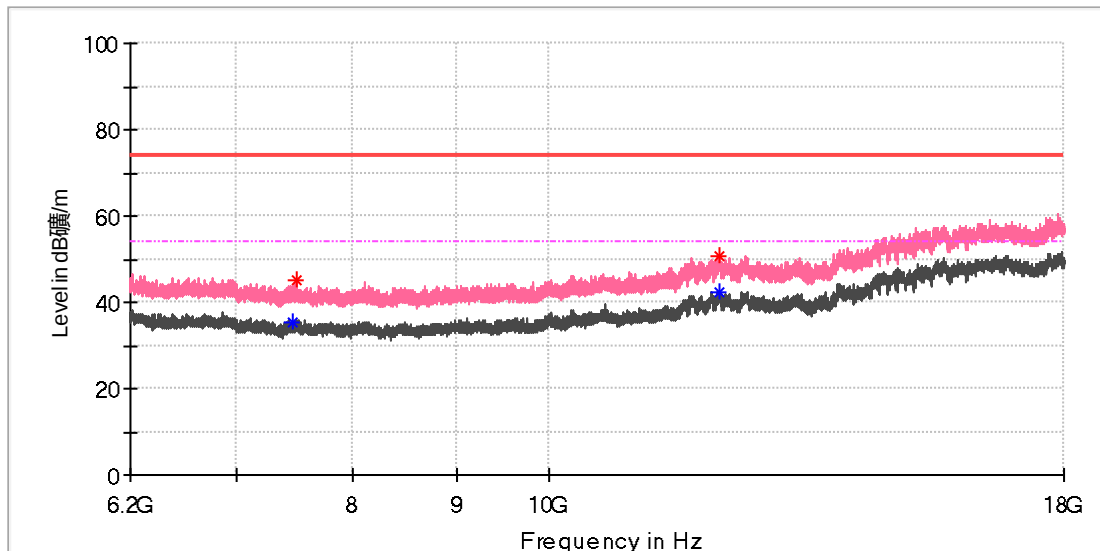
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7311.658333	46.68	---	74.00	27.32	150.0	H	130.0	8.2
7312.641667	---	37.86	54.00	16.14	150.0	H	153.0	8.2
9743.441667	48.09	---	74.00	25.91	150.0	H	277.0	10.4
9743.933333	---	39.78	54.00	14.22	150.0	H	277.0	10.4
12153.100000	---	43.25	54.00	10.75	150.0	H	153.0	16.6
12181.125000	53.07	---	74.00	20.93	150.0	H	165.0	15.2

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

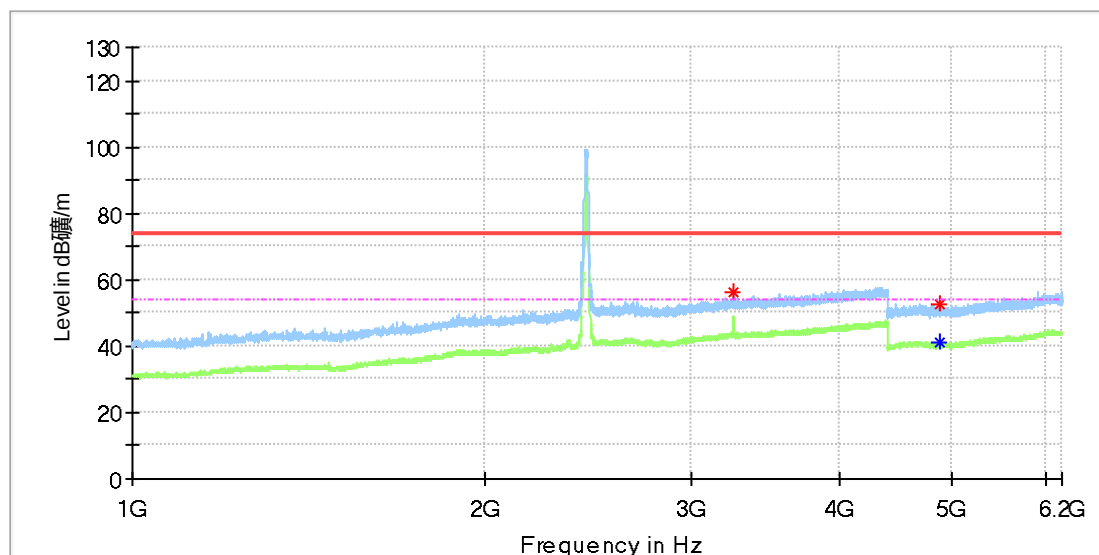
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7464.566667	---	35.57	54.00	18.43	150.0	V	162.0	8.6
7493.575000	45.12	---	74.00	28.88	150.0	V	241.0	8.7
12156.541667	50.88	---	74.00	23.12	150.0	V	13.0	16.4
12156.541667	---	42.21	54.00	11.79	150.0	V	13.0	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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168552592/4003992354-004
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)
3249.500000	56.47	---	74.00	17.53	150.0	H	350.0	10.8
4870.500000	---	41.14	54.00	12.86	150.0	H	78.0	13.3
4874.000000	52.87	---	74.00	21.13	150.0	H	127.0	13.3

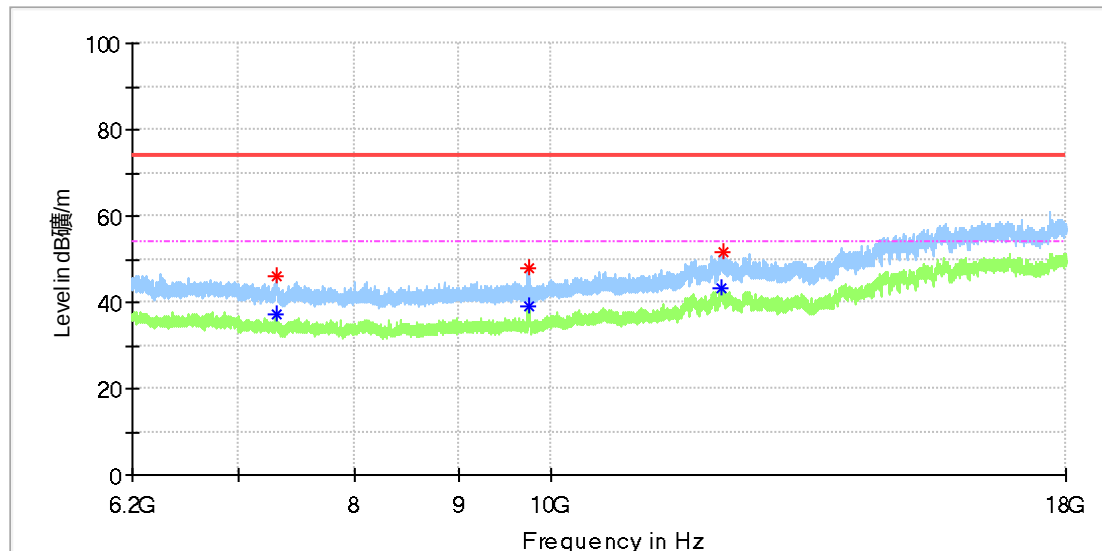
Final Result

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

EUT Information

EUT Information

EUT Name:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

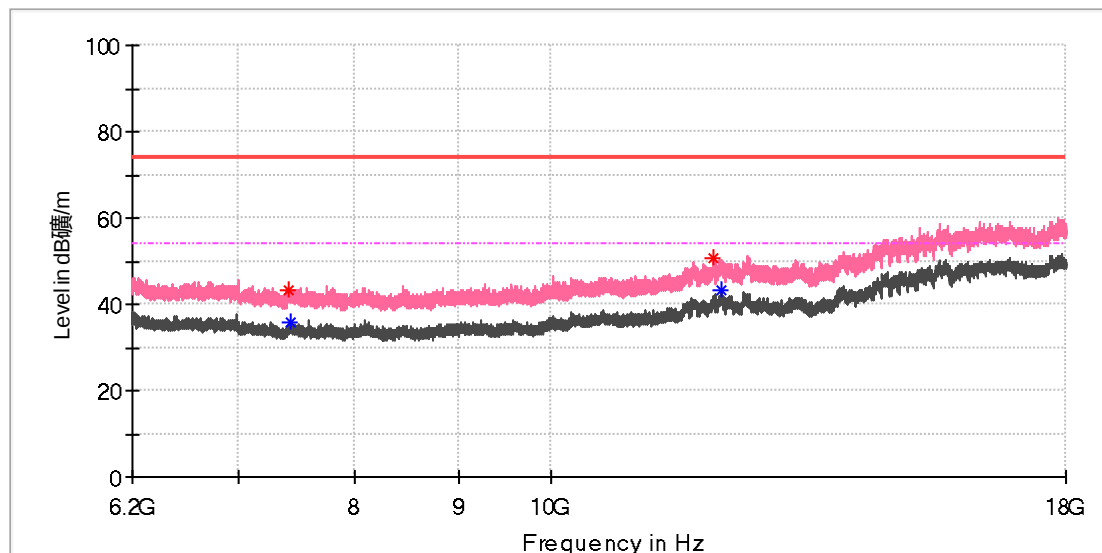
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7306.741667	---	37.18	54.00	16.82	150.0	H	229.0	8.3
7306.741667	46.22	---	74.00	27.78	150.0	H	229.0	8.3
9742.950000	---	39.01	54.00	14.99	150.0	H	277.0	10.4
9746.391667	48.01	---	74.00	25.99	150.0	H	277.0	10.4
12143.266667	---	43.13	54.00	10.87	150.0	H	207.0	16.6
12186.041667	51.65	---	74.00	22.35	150.0	H	277.0	14.9

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168552592/4003992354-004
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)
7409.991667	43.45	---	74.00	30.55	150.0	V	221.0	8.3
7431.133333	---	35.79	54.00	18.21	150.0	V	13.0	8.4
12038.050000	50.60	---	74.00	23.40	150.0	V	199.0	16.1
12133.925000	---	43.41	54.00	10.59	150.0	V	0.0	16.3

Final_Result

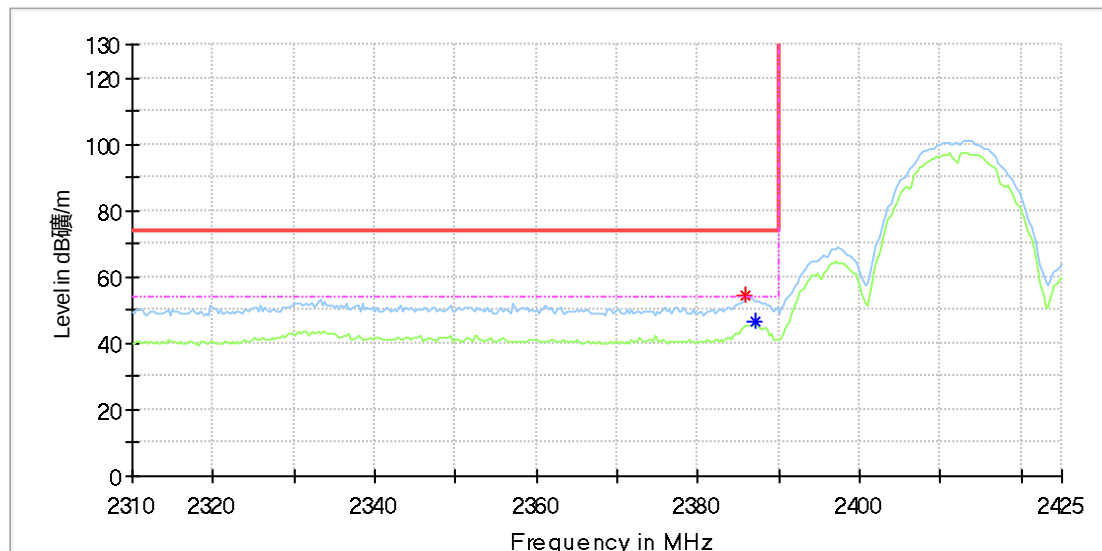
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.7: Test Results of Radiated Emissions in Restricted Bands

Wi-Fi 802.11 b mode

EUT Information

EUT Name:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

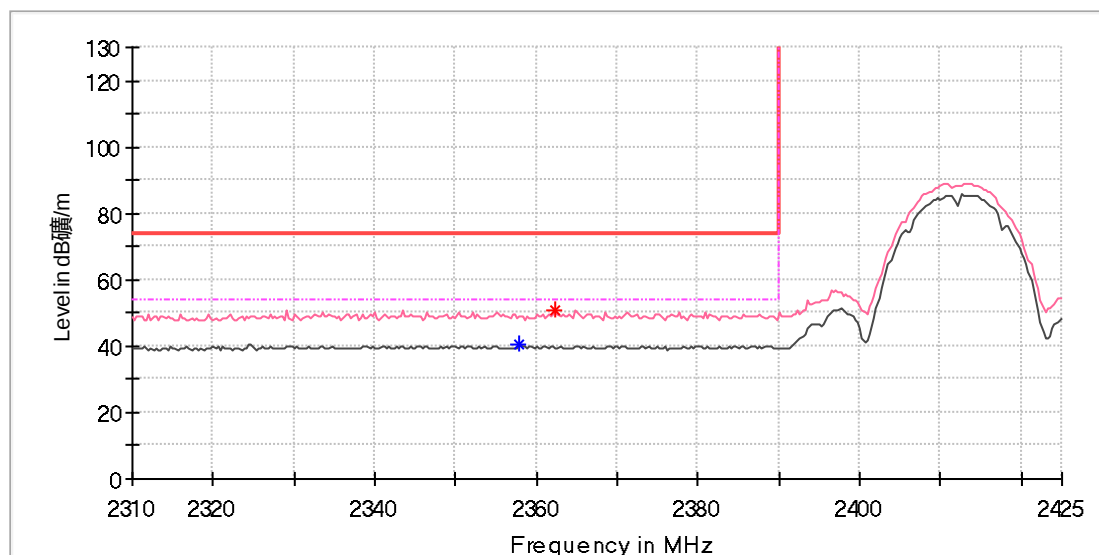
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.882353	54.15	---	74.00	19.85	150.0	H	315.0	8.5
2387.058824	---	46.36	54.00	7.64	150.0	H	307.0	8.5

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

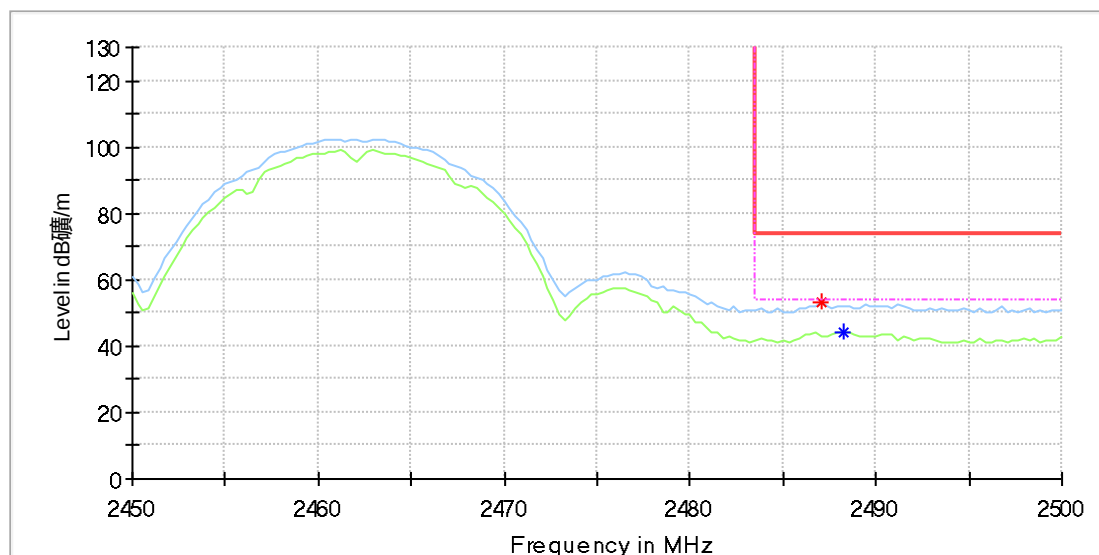
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2357.941177	---	40.57	54.00	13.43	150.0	V	95.0	8.5
2362.352941	50.99	---	74.00	23.01	150.0	V	46.0	8.5

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

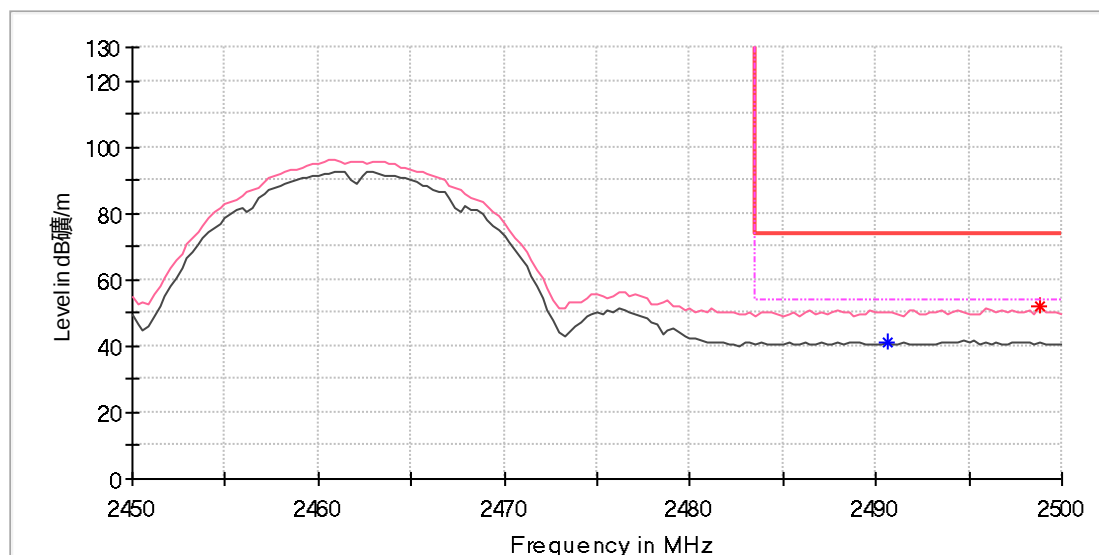
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.058824	53.15	---	74.00	20.85	150.0	H	326.0	9.0
2488.235294	---	44.29	54.00	9.71	150.0	H	334.0	9.0

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:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168552592/4003992354-004
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)
2490.588235	---	41.35	54.00	12.65	150.0	V	234.0	9.0
2498.823529	51.71	---	74.00	22.29	150.0	V	136.0	9.0

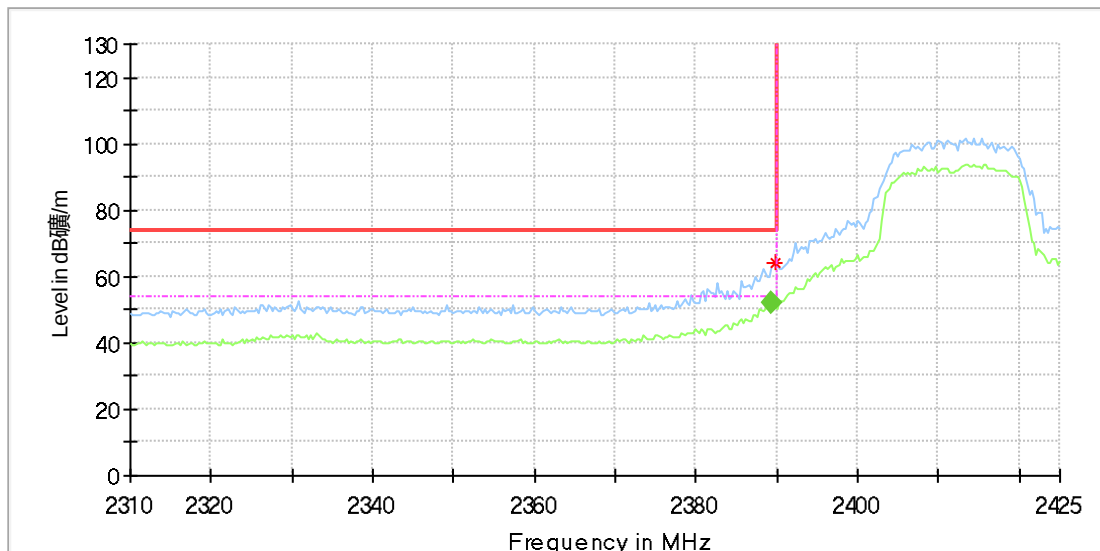
Final Result

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

Wi-Fi 802.11 g mode

EUT Information

EUT Name:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

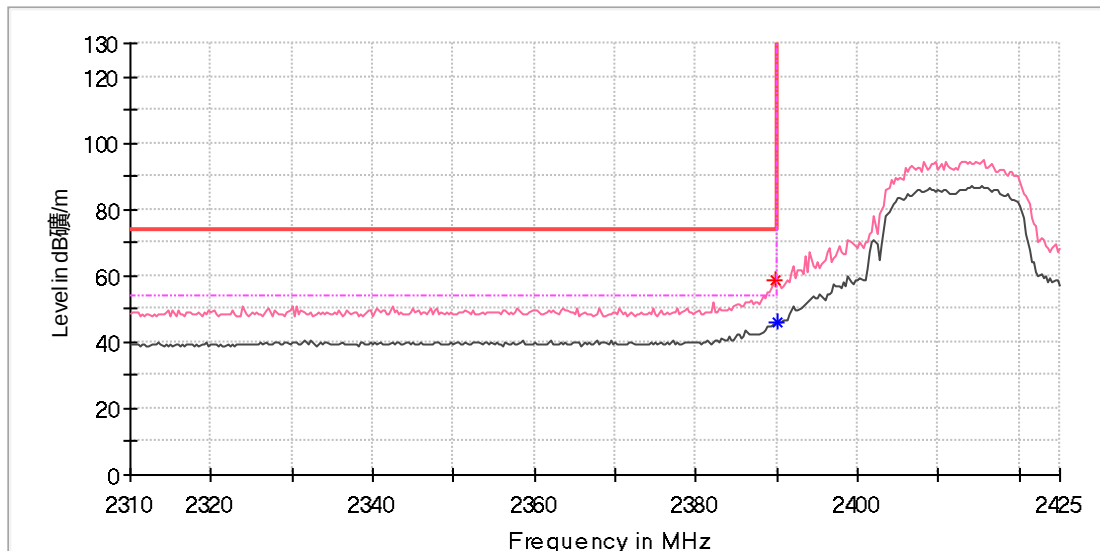
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	63.96	---	74.00	10.04	150.0	H	316.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.411765	---	51.91	54.00	2.09	150.0	H	316.0	8.5

EUT Information

EUT Name:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



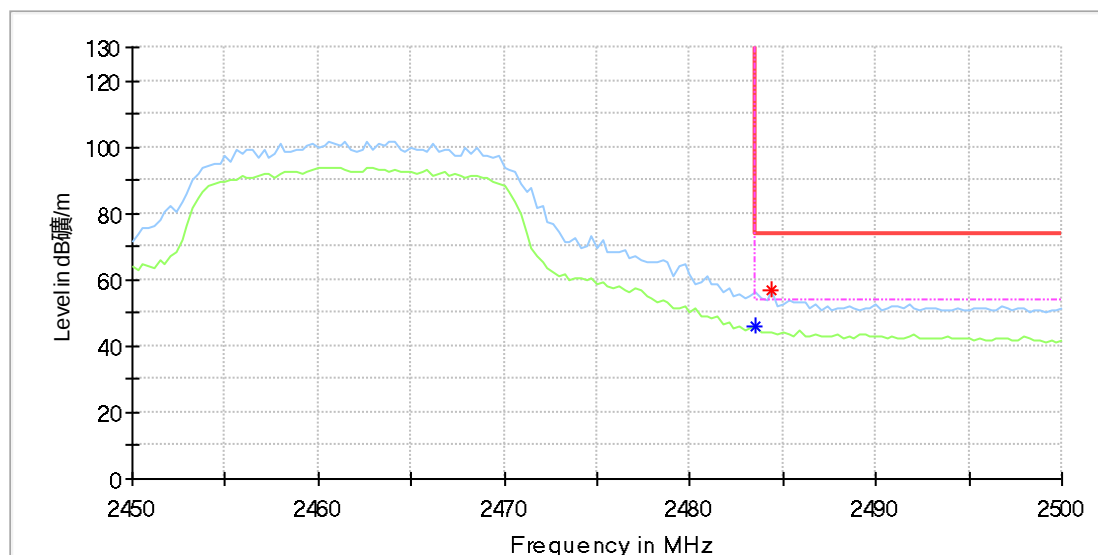
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	58.84	---	74.00	15.16	150.0	V	284.0	8.5
2390.000000	---	46.15	54.00	7.85	150.0	V	292.0	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)
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EUT Name:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

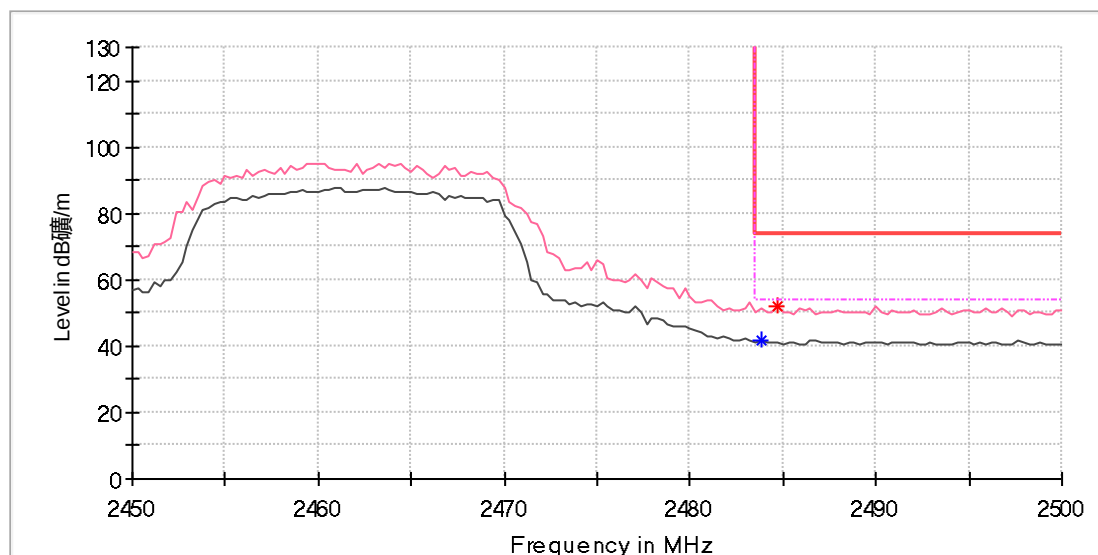
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	46.02	54.00	7.98	150.0	H	266.0	9.0
2484.411765	56.67	---	74.00	17.33	150.0	H	259.0	9.0

Final Result

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

EUT Name:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168552592/4003992354-004
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)
2483.823529	---	41.58	54.00	12.42	150.0	V	310.0	9.0
2484.705882	52.23	---	74.00	21.77	150.0	V	198.0	9.0

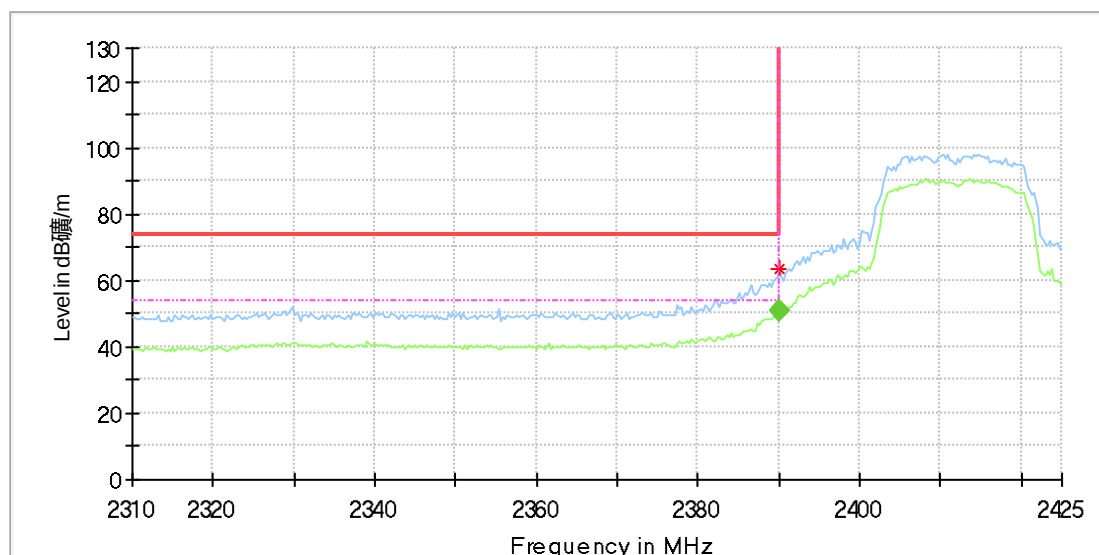
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Wi-Fi 802.11 n(HT20) mode

EUT Information

EUT Name:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168552592/4003992354-004
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)
2390.000000	63.22	---	74.00	10.78	150.0	H	309.0	8.5

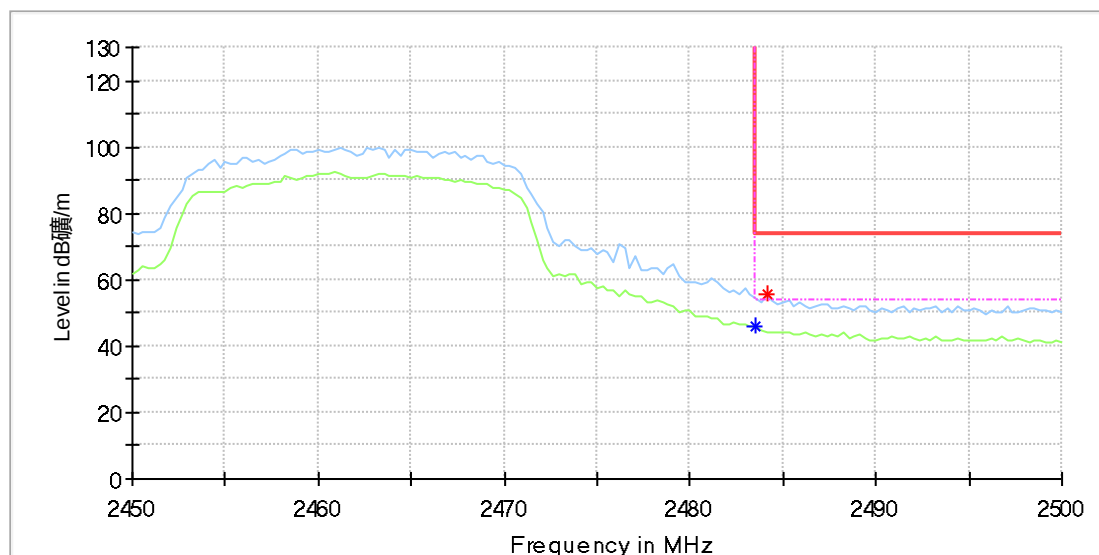
Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	---	50.57	54.00	3.43	150.0	H	309.0	8.5

EUT Information

EUT Information

EUT Name:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168552592/4003992354-004
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

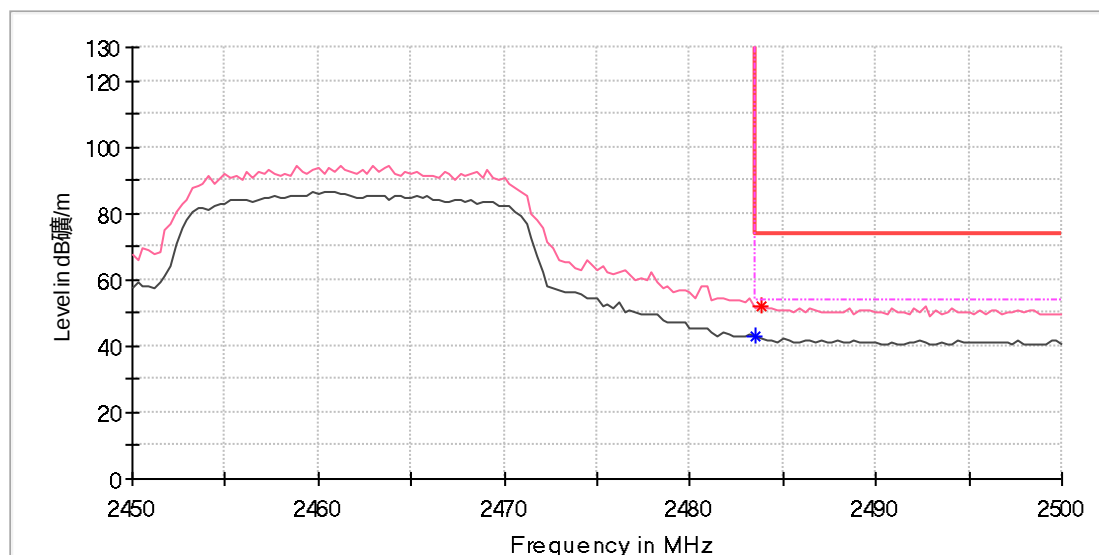
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	46.09	54.00	7.91	150.0	H	258.0	9.0
2484.117647	55.52	---	74.00	18.48	150.0	H	266.0	9.0

Final Result

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

EUT Name:	M10 Sensor
Model:	M10-506-W
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168552592/4003992354-004
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)
2483.529412	---	42.83	54.00	11.17	150.0	V	254.0	9.0
2483.823529	52.02	---	74.00	21.98	150.0	V	234.0	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)
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