

Appendix B: Test Results of 5.8GHz Wi-Fi

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

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	1.35	≤30.00	PASS
		5785	2.38	≤30.00	PASS
		5825	2.92	≤30.00	PASS
11N20SISO	Ant1	5745	1.79	≤30.00	PASS
		5785	1.99	≤30.00	PASS
		5825	1.85	≤30.00	PASS
11N40SISO	Ant1	5755	-1.45	≤30.00	PASS
		5795	-1.69	≤30.00	PASS
11AC20SISO	Ant1	5745	1.72	≤30.00	PASS
		5785	2.07	≤30.00	PASS
		5825	1.88	≤30.00	PASS
11AC40SISO	Ant1	5755	-1.35	≤30.00	PASS
		5795	-1.97	≤30.00	PASS

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO Ant1 5745



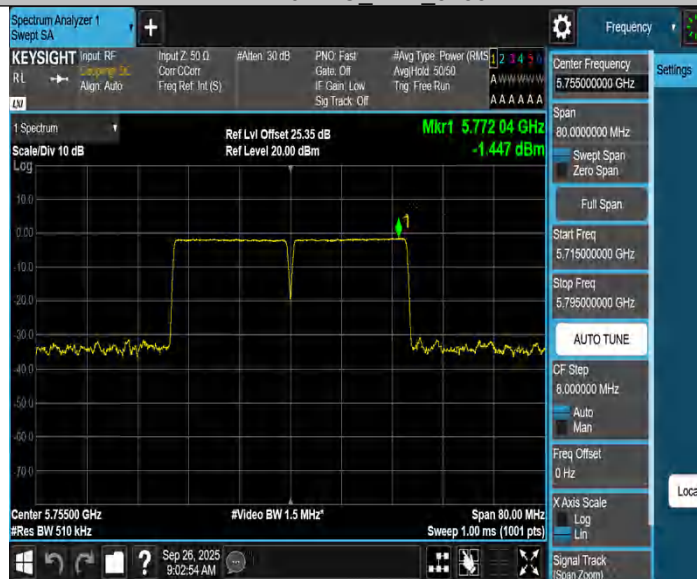
11N20SISO Ant1 5785



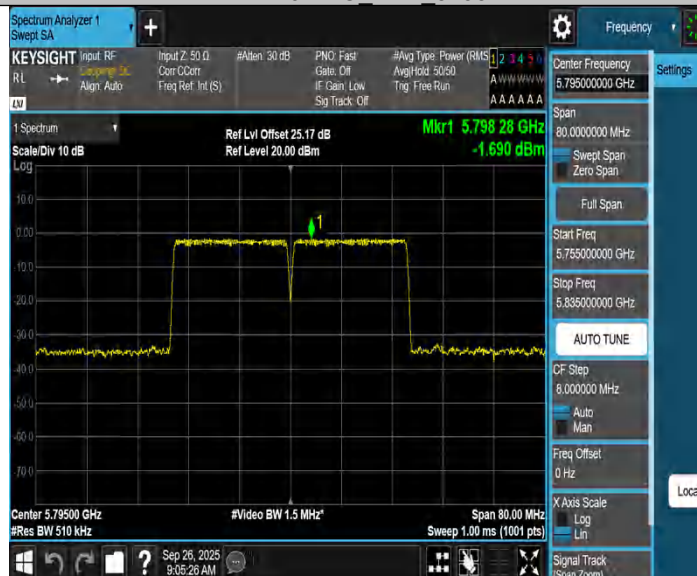
11N20SISO Ant1 5825



11N40SISO Ant1 5755



11N40SISO Ant1 5795



11AC20SISO Ant1 5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755





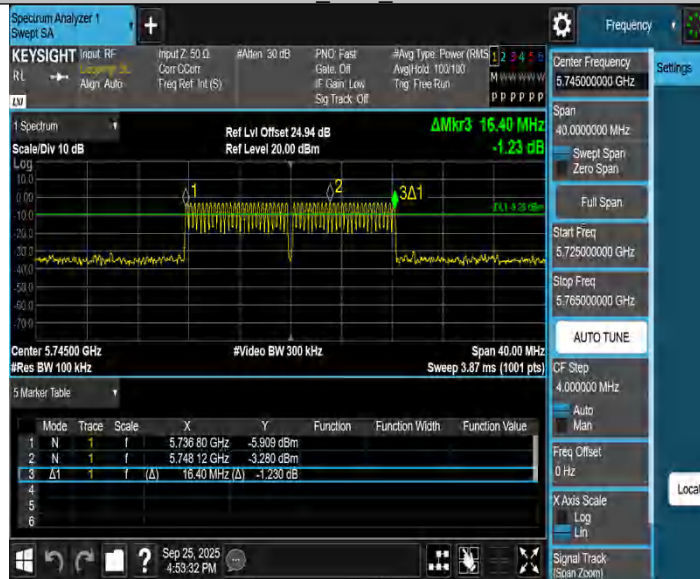
Appendix B.2: Test Results of Frequency Stability

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	-20000.00	-3.481288	20	PASS
		5785	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5825	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11AC40SISO	Ant1	5755	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
		5795	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Appendix B.3: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.800	5753.200	0.5	PASS
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	16.400	5816.800	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.680	5736.160	5753.840	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.680	5736.160	5753.840	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS

11A_Ant1_5745



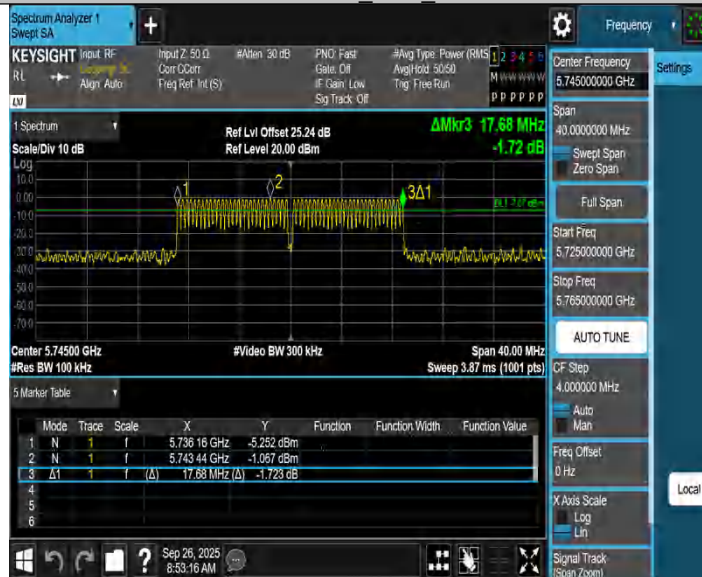
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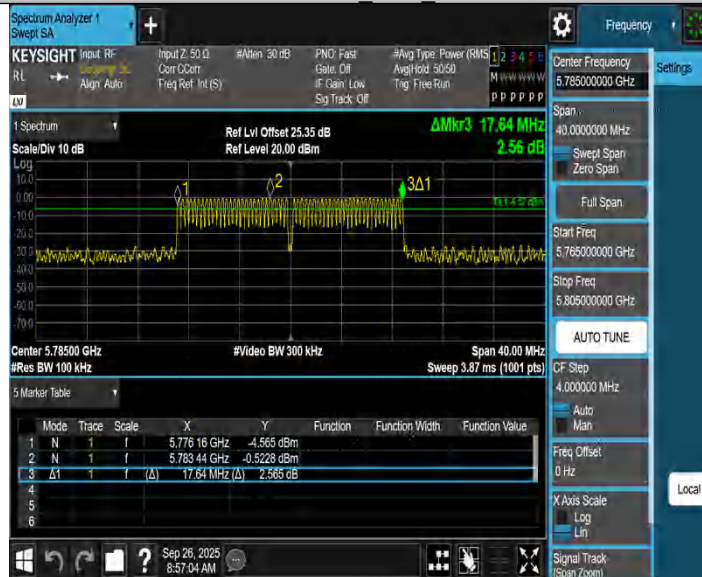
11A_Ant1_5825



11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825



Appendix B CN251SBR 003

Prüfbericht - Produkte
Test Report - Products

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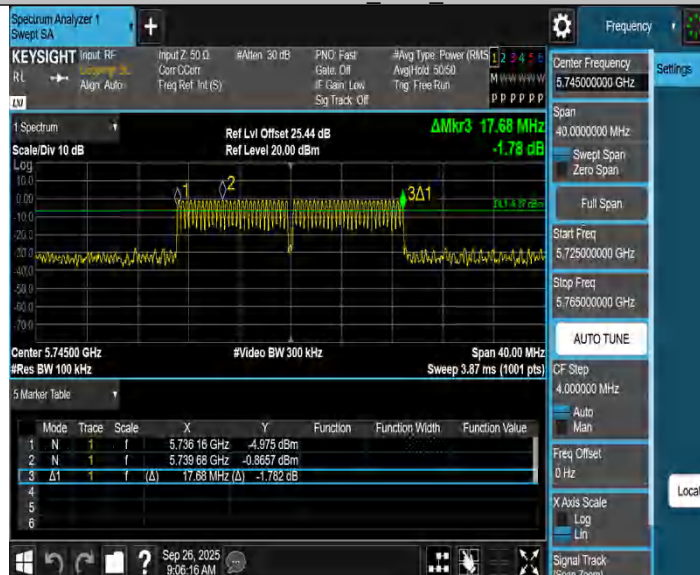
11N40SISO Ant1 5755



11N40SISO Ant1 5795



11AC20SISO Ant1 5745

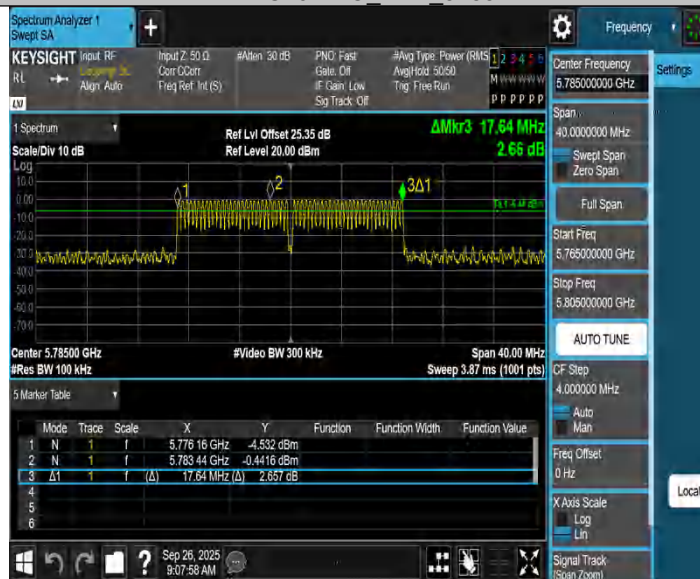


Appendix B CN251SBR 003

Prüfbericht - Produkte
Test Report - Products

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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755

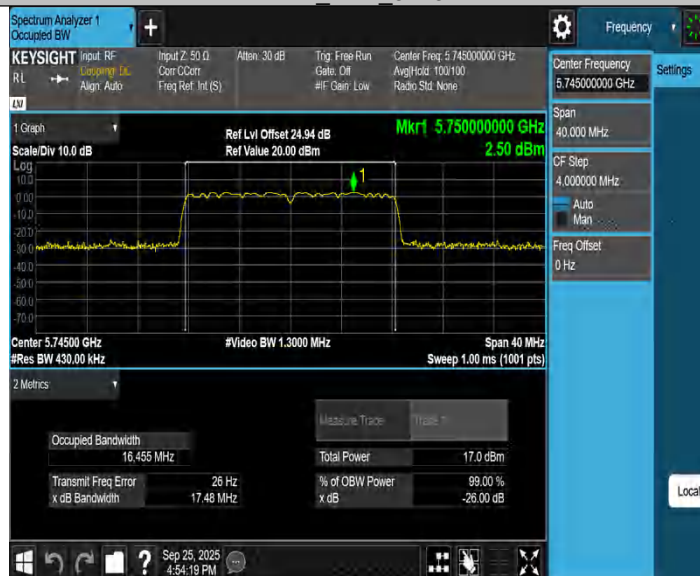




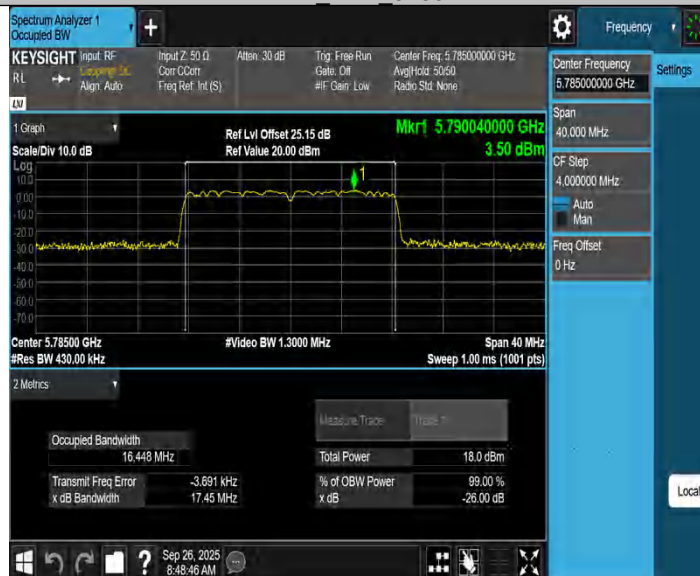
Appendix B.4: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.455	5736.7725	5753.2275	---	---
		5785	16.448	5776.7723	5793.2203	---	---
		5825	16.440	5816.7709	5833.2109	---	---
11N20SISO	Ant1	5745	17.703	5736.1484	5753.8514	---	---
		5785	17.705	5776.1477	5793.8527	---	---
		5825	17.708	5816.1428	5833.8508	---	---
11N40SISO	Ant1	5755	36.398	5736.7753	5773.1733	---	---
		5795	36.375	5776.7817	5813.1567	---	---
11AC20SISO	Ant1	5745	17.707	5736.1473	5753.8543	---	---
		5785	17.706	5776.1471	5793.8531	---	---
		5825	17.707	5816.1433	5833.8503	---	---
11AC40SISO	Ant1	5755	36.361	5736.7887	5773.1497	---	---
		5795	36.324	5776.8047	5813.1287	---	---

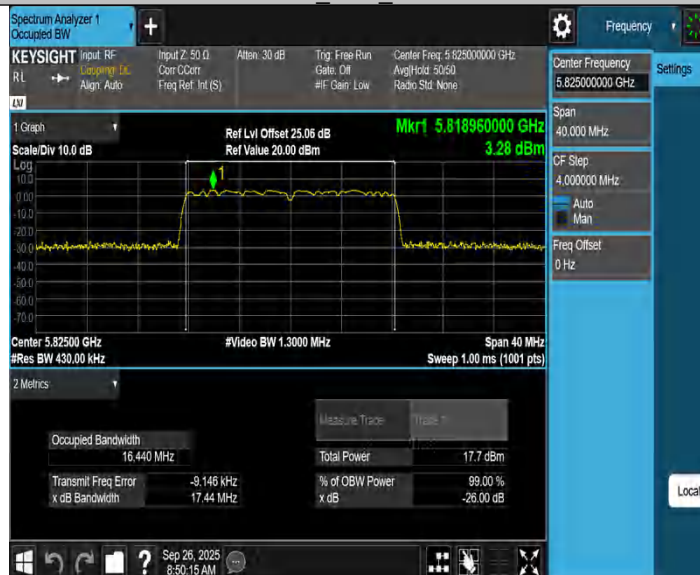
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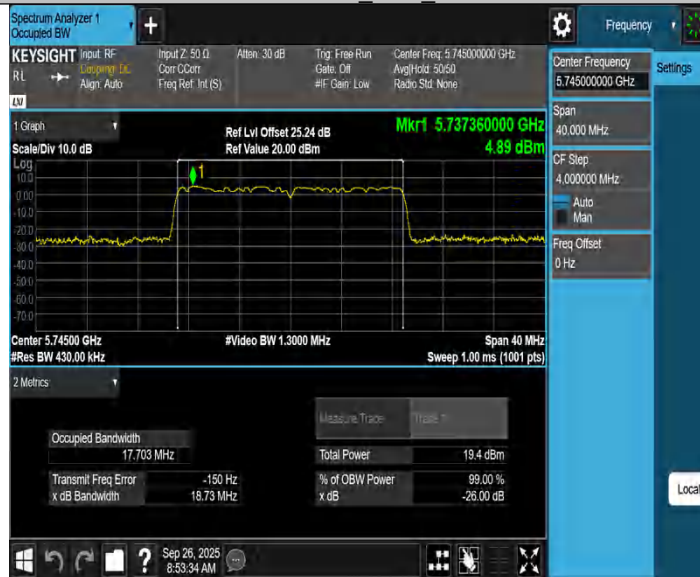
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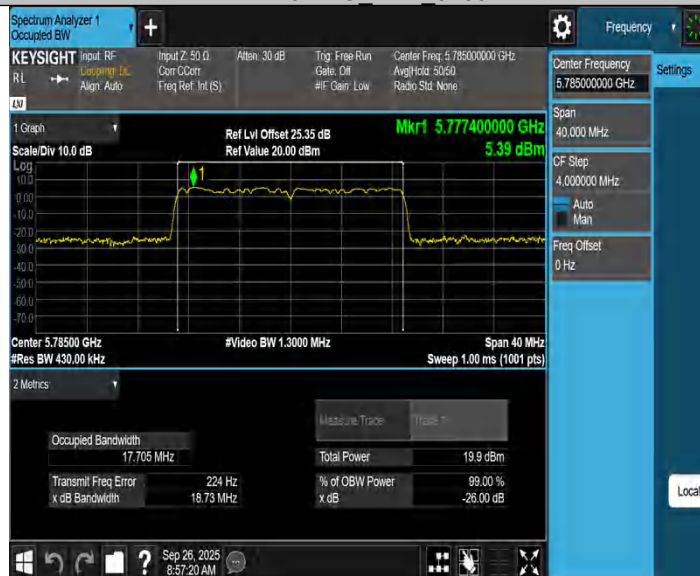
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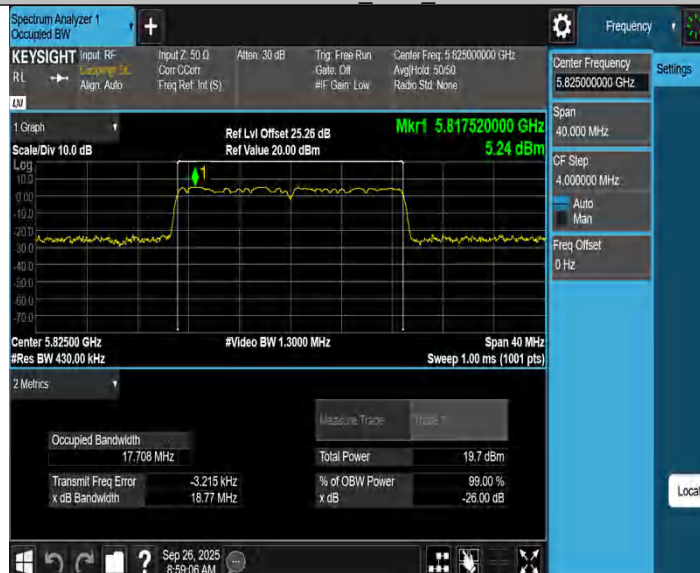
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11N20SISO Ant1 5785



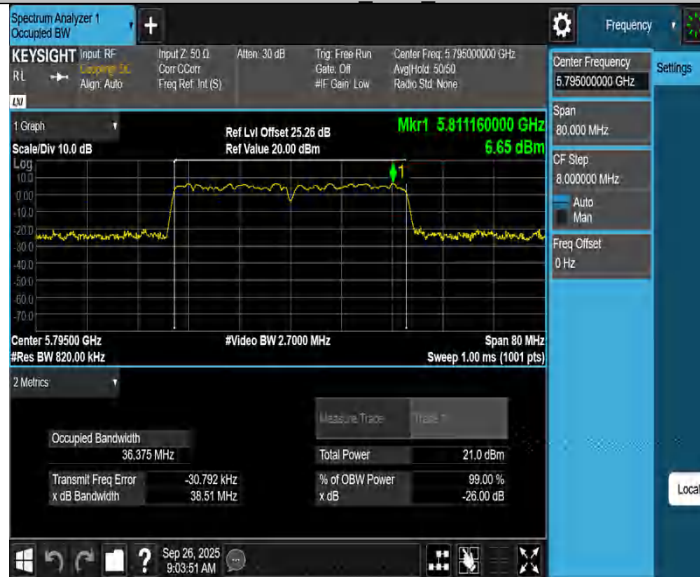
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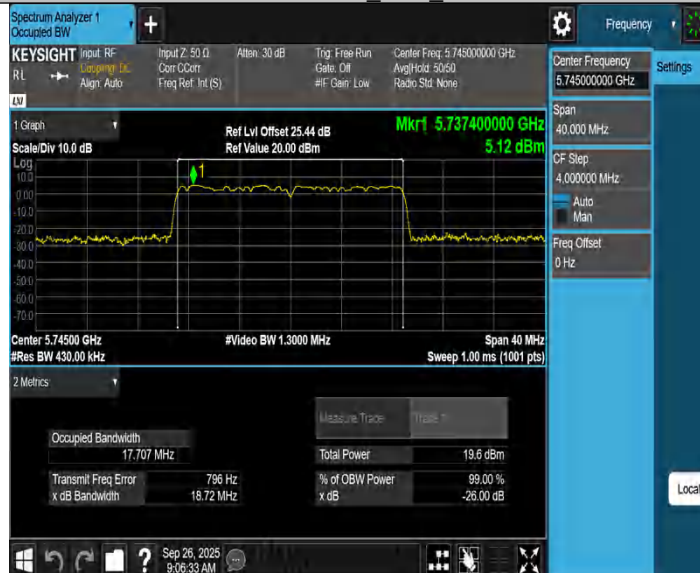
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11N40SISO Ant1 5795



11AC20SISO Ant1 5745







Appendix B.5: Test Results of Radiated Spurious Emissions

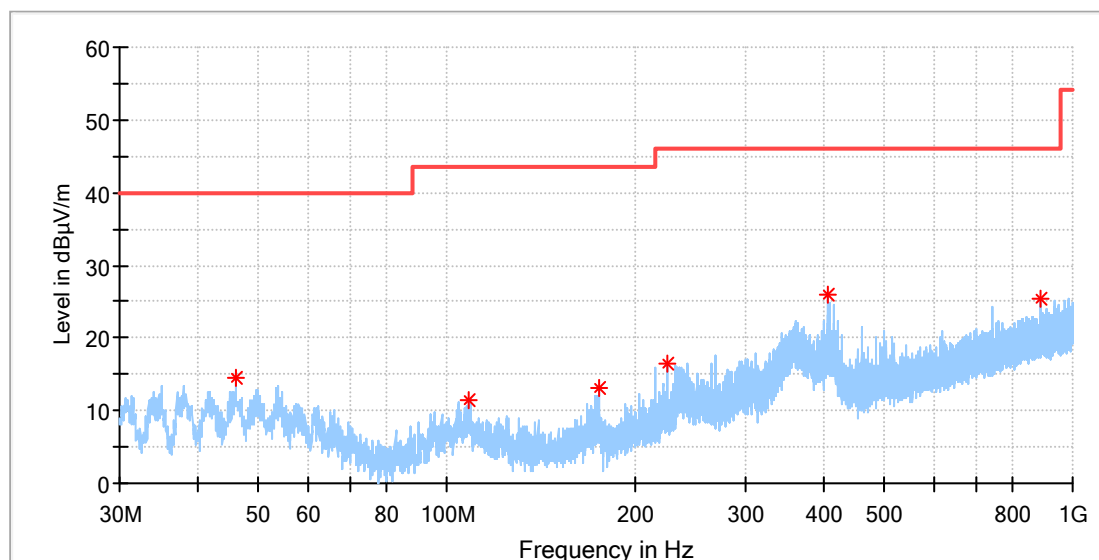
Note:

- 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 – 40GHz were the floor-noise and far below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

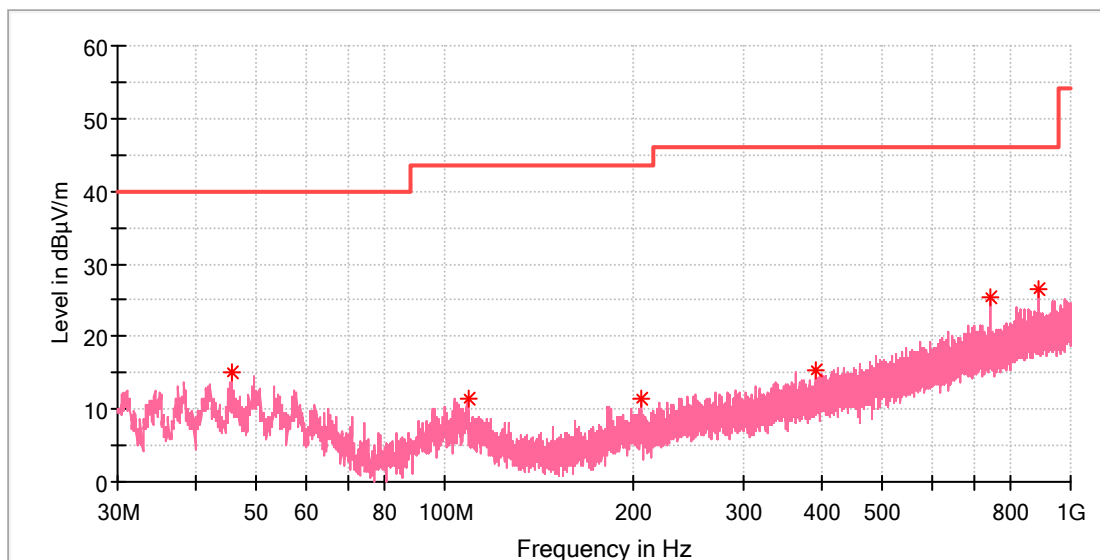
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.967692	14.64	40.00	25.36	100.0	H	61.0	-18.8
108.756539	11.53	43.50	31.97	100.0	H	17.0	-19.1
175.500000	13.01	43.50	30.49	100.0	H	101.0	-21.0
225.007308	16.49	46.00	29.51	100.0	H	234.0	-18.4
405.016923	25.82	46.00	20.18	100.0	H	173.0	-13.6
890.986923	25.44	46.00	20.56	100.0	H	303.0	-4.9

Final_Result

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

EUT Information

EUT Name: Unmanned Aircraft
Model: FMAWZVM
Test Mode: WIFI 5G_11a_Ch157
Order No/Sample No: 168575451/A004089180-009
Test Voltage:: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
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)
45.706539	15.06	40.00	24.94	100.0	V	255.0	-18.8
108.793846	11.49	43.50	32.01	100.0	V	327.0	-19.1
206.614615	11.31	43.50	32.19	100.0	V	0.0	-18.9
391.847308	15.37	46.00	30.63	100.0	V	76.0	-14.0
742.502308	25.30	46.00	20.70	100.0	V	337.0	-7.2
890.986923	26.38	46.00	19.62	100.0	V	15.0	-4.9

Final Result

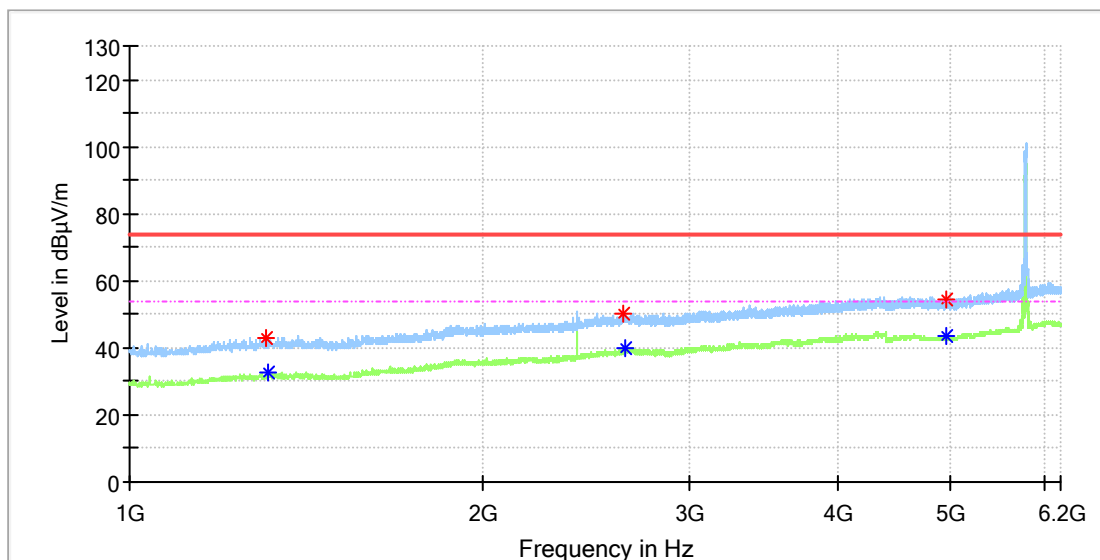
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

Note: The highest waveform in the figure is 5.8G Wi-Fi Fundamental.

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Test Standard:	FCC 15.407
Tested By:	Kei Zhang
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Critical Freqs

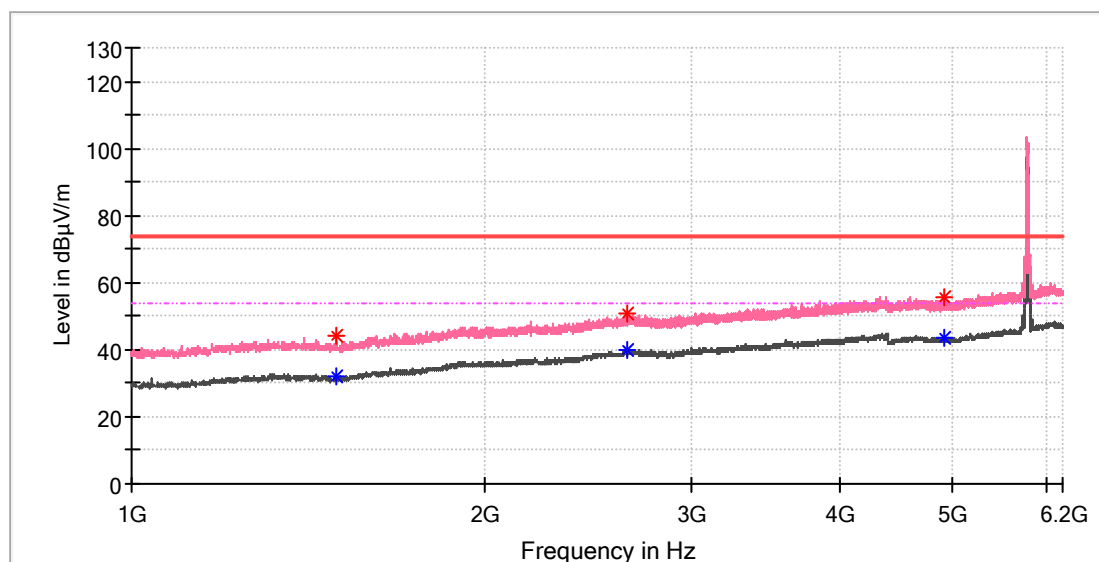
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1306.500000	43.05	---	74.00	30.95	150.0	H	57.0	2.8
1313.000000	---	32.38	54.00	21.62	150.0	H	75.0	2.8
2629.500000	50.15	---	74.00	23.85	150.0	H	6.0	9.9
2642.000000	---	39.68	54.00	14.32	150.0	H	230.0	10.1
4946.500000	54.36	---	74.00	19.64	150.0	H	358.0	13.3
4951.000000	---	43.51	54.00	10.49	150.0	H	64.0	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)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	

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Test Standard:	FCC 15.407
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Critical Freqs

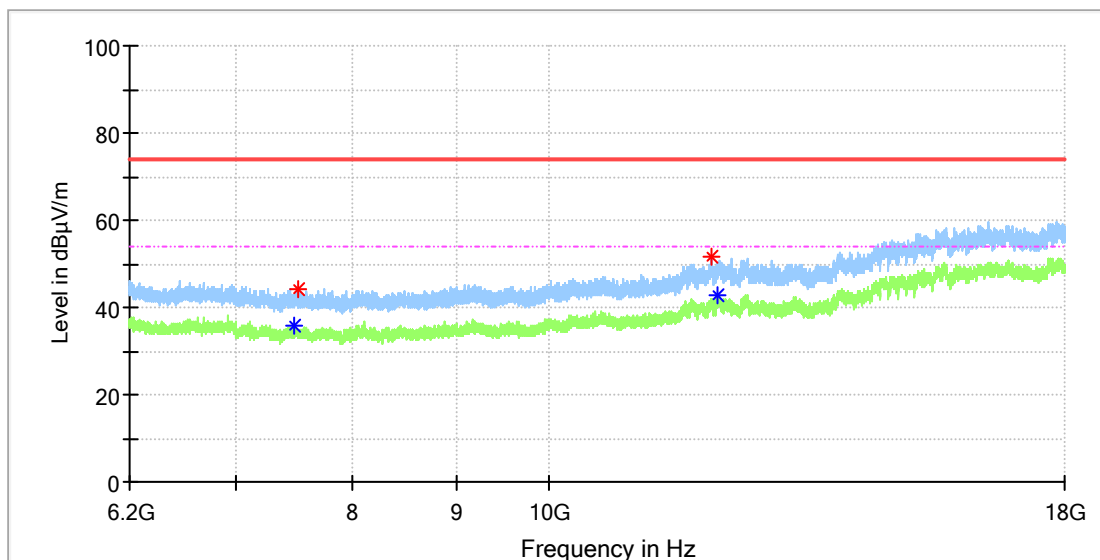
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1493.500000	---	31.97	54.00	22.03	150.0	V	119.0	2.5
1494.000000	44.21	---	74.00	29.79	150.0	V	106.0	2.5
2637.500000	50.55	---	74.00	23.45	150.0	V	280.0	10.0
2639.000000	---	39.76	54.00	14.24	150.0	V	186.0	10.0
4909.500000	55.59	---	74.00	18.41	150.0	V	209.0	13.3
4924.500000	---	43.37	54.00	10.63	150.0	V	223.0	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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Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
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Critical_Freqs

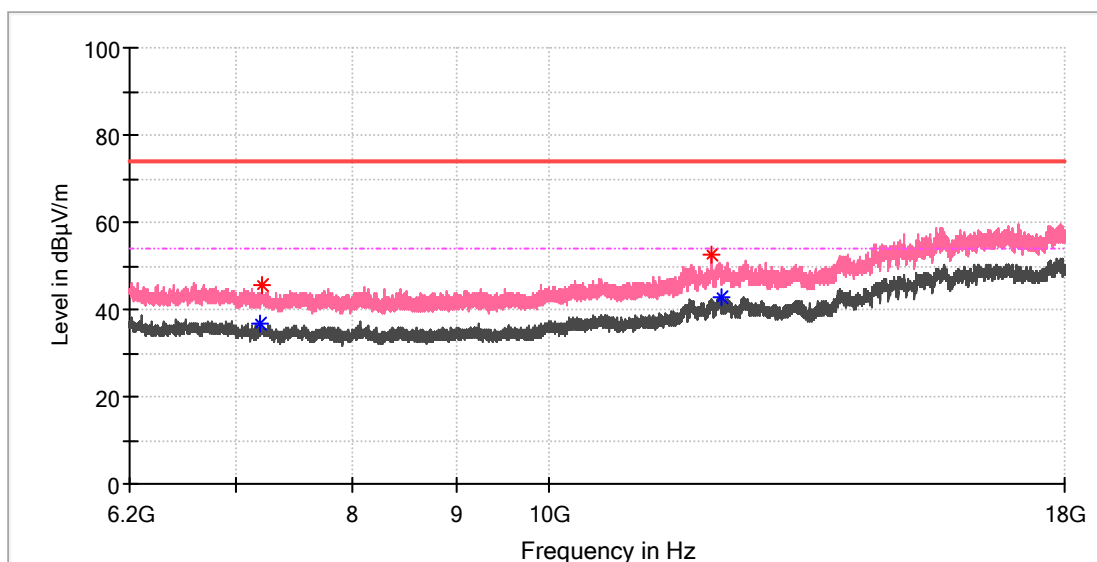
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7476.366667	---	35.89	54.00	18.11	150.0	H	126.0	8.6
7510.783333	44.07	---	74.00	29.93	150.0	H	42.0	8.7
12030.675000	51.41	---	74.00	22.59	150.0	H	114.0	16.0
12130.975000	---	42.60	54.00	11.40	150.0	H	42.0	16.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
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Critical Freqs

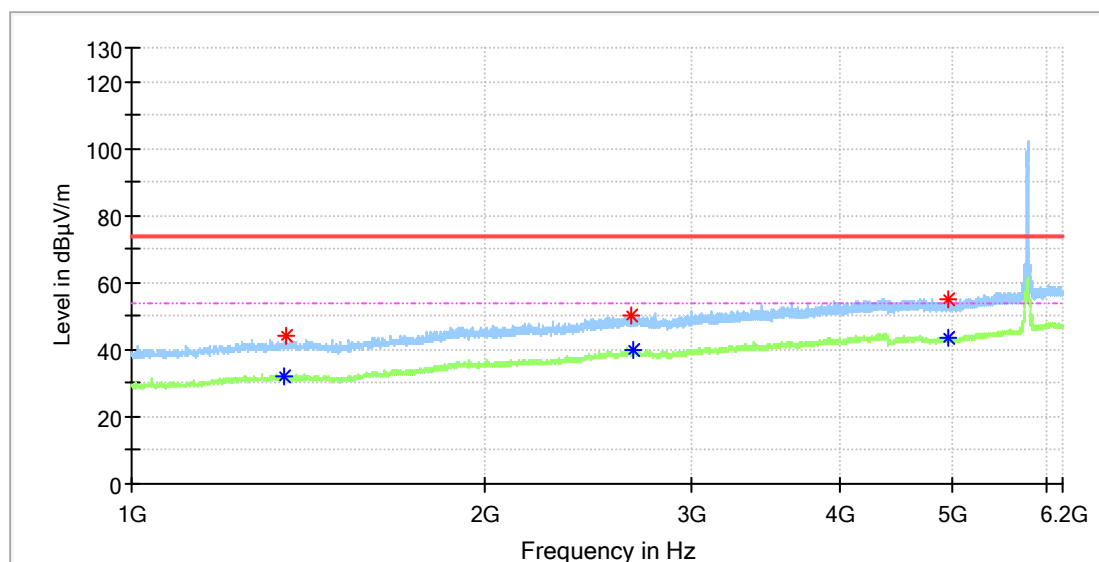
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7200.541667	---	36.73	54.00	17.27	150.0	V	204.0	8.8
7216.766667	45.52	---	74.00	28.48	150.0	V	251.0	8.7
12047.883333	52.54	---	74.00	21.46	150.0	V	353.0	16.4
12163.425000	---	42.80	54.00	11.20	150.0	V	251.0	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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	WIFI 5G_11n20_Ch157
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

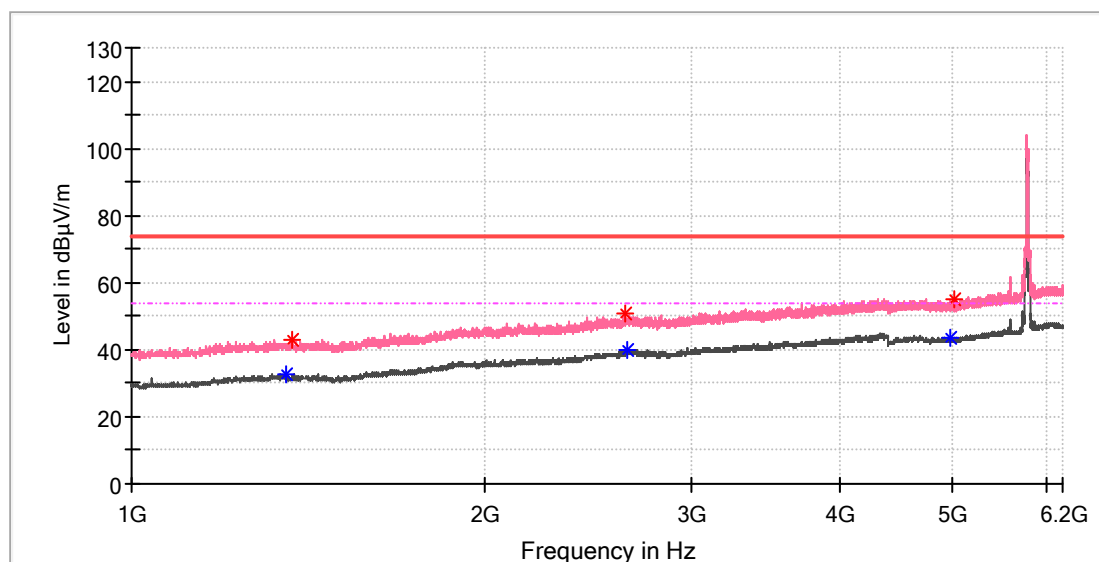
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1346.500000	---	32.17	54.00	21.83	150.0	H	262.0	3.1
1352.000000	44.08	---	74.00	29.92	150.0	H	238.0	3.1
2660.000000	49.93	---	74.00	24.07	150.0	H	47.0	10.2
2669.000000	---	40.13	54.00	13.87	150.0	H	262.0	10.2
4959.000000	---	43.42	54.00	10.58	150.0	H	325.0	13.3
4964.500000	54.80	---	74.00	19.20	150.0	H	356.0	13.3

Final Result

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

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EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	WIFI 5G_11n20_Ch157
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

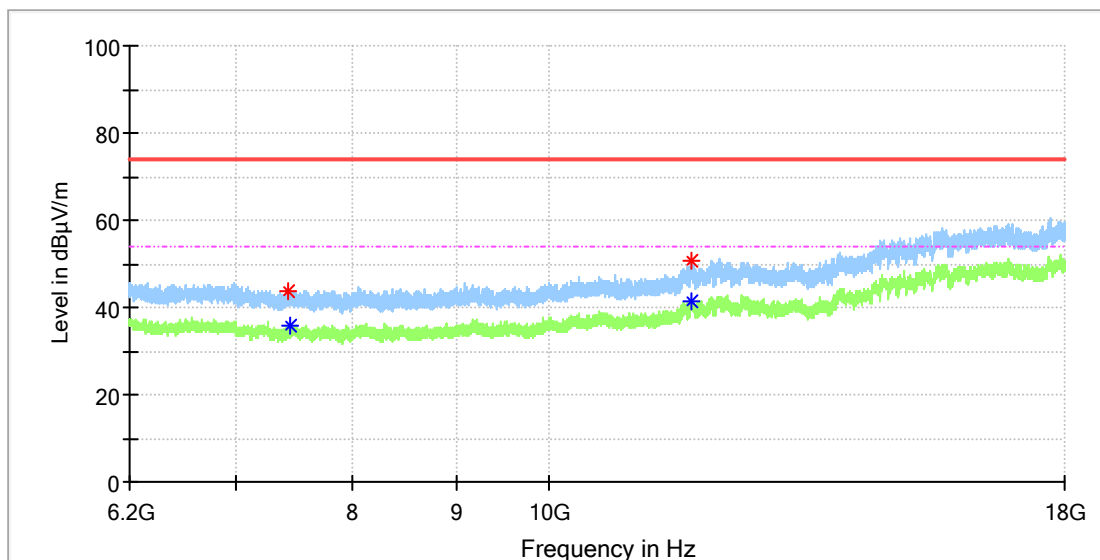
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1351.000000	---	32.46	54.00	21.54	150.0	V	2.0	3.1
1370.000000	43.01	---	74.00	30.99	150.0	V	66.0	3.1
2628.500000	50.94	---	74.00	23.06	150.0	V	148.0	9.9
2641.000000	---	39.82	54.00	14.18	150.0	V	202.0	10.0
4966.500000	---	43.78	54.00	10.22	150.0	V	297.0	13.3
5007.000000	55.18	---	74.00	18.82	150.0	V	321.0	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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	WIFI 5G_11n20_Ch157
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

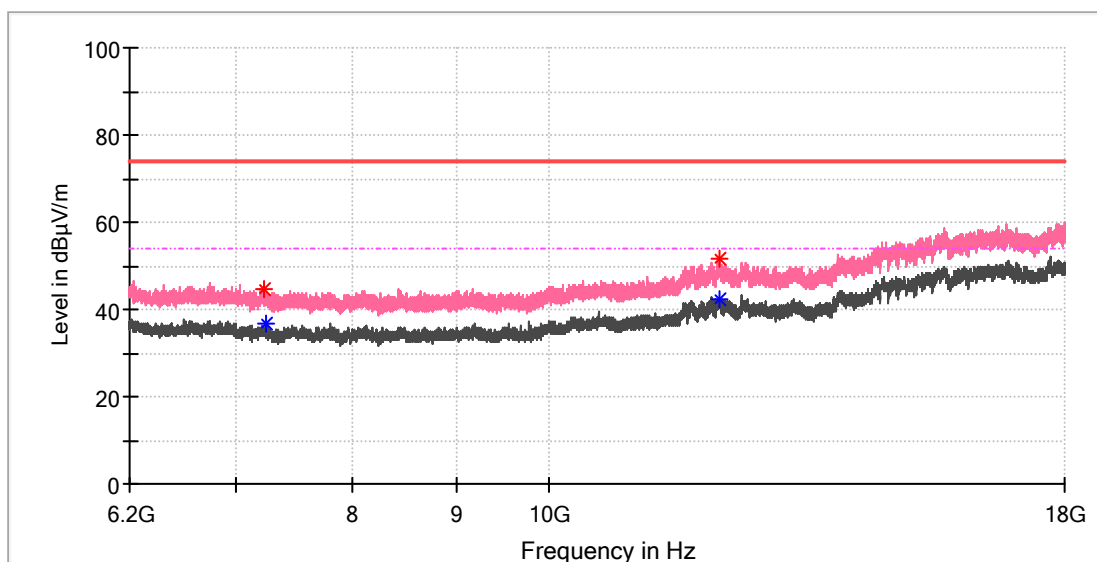
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7420.316667	43.89	---	74.00	30.11	150.0	H	133.0	8.4
7444.408333	---	35.86	54.00	18.14	150.0	H	29.0	8.5
11752.883333	50.77	---	74.00	23.23	150.0	H	97.0	15.5
11756.325000	---	41.44	54.00	12.56	150.0	H	85.0	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)
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EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	WIFI 5G_11n20_Ch157
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
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)
7221.191667	44.83	---	74.00	29.17	150.0	V	83.0	8.7
7242.333333	---	36.71	54.00	17.29	150.0	V	136.0	8.6
12149.658333	---	42.45	54.00	11.55	150.0	V	225.0	16.7
12156.541667	51.59	---	74.00	22.41	150.0	V	238.0	16.4

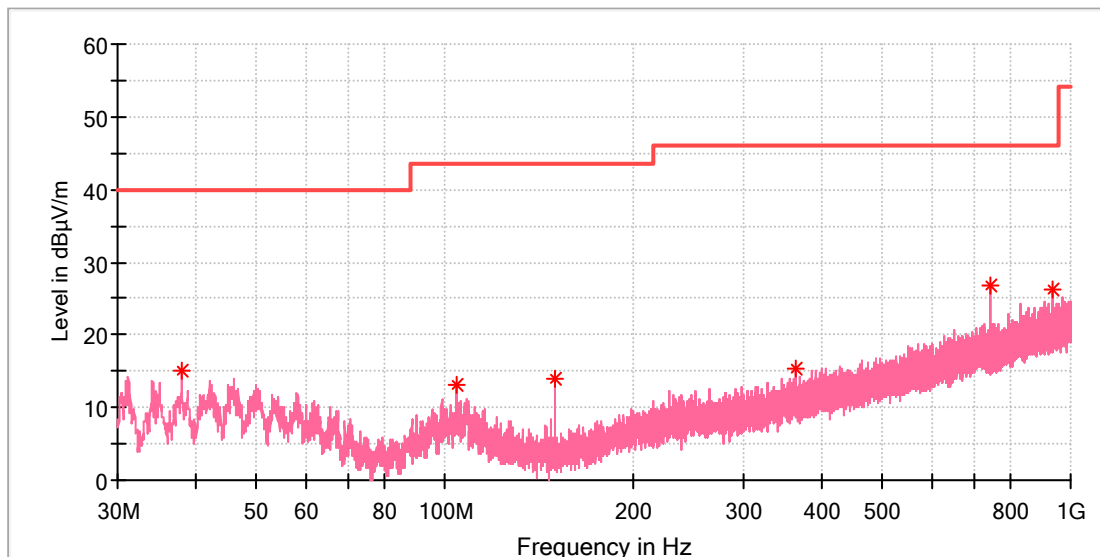
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Note: The highest waveform in the figure are Fundamental signals.
All modes tested, only the worst case reported.

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	2.4GHz Band+5.8GHz Wi-Fi
Order No/Sample No:	168575451/A004089180-008
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

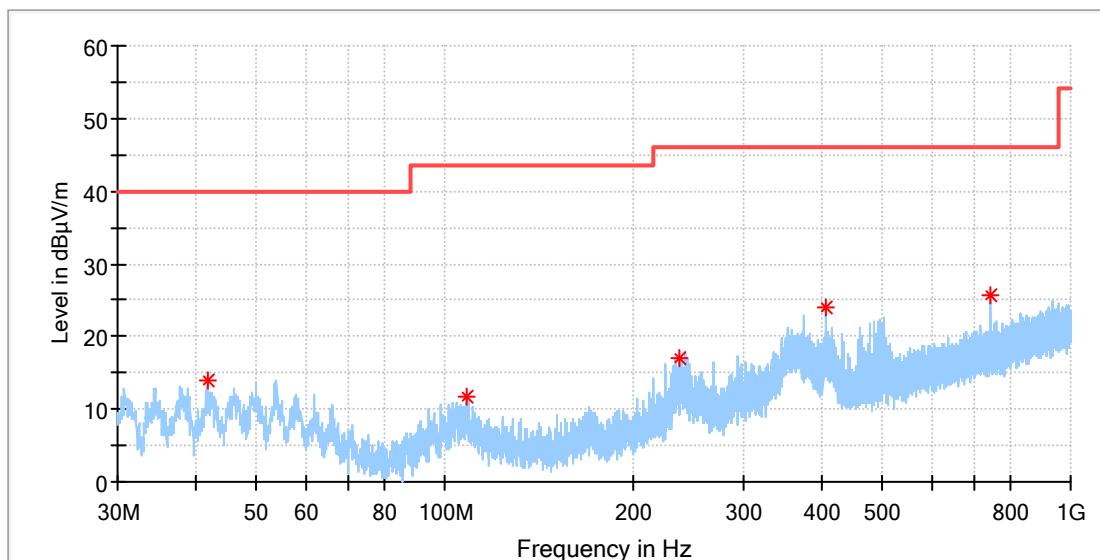
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.946539	15.20	40.00	24.80	100.0	V	115.0	-20.8
104.205000	13.24	43.50	30.26	100.0	V	222.0	-18.9
150.354615	14.00	43.50	29.50	100.0	V	62.0	-22.3
363.978462	15.27	46.00	30.73	100.0	V	62.0	-14.6
742.502308	26.69	46.00	19.31	100.0	V	115.0	-7.2
938.442308	26.30	46.00	19.70	100.0	V	0.0	-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: Unmanned Aircraft
Model: FMAWZVM
Test Mode: 2.4GHz Band+5.8GHz Wi-Fi
Order No/Sample No: 168575451/A004089180-008
Test Voltage:: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

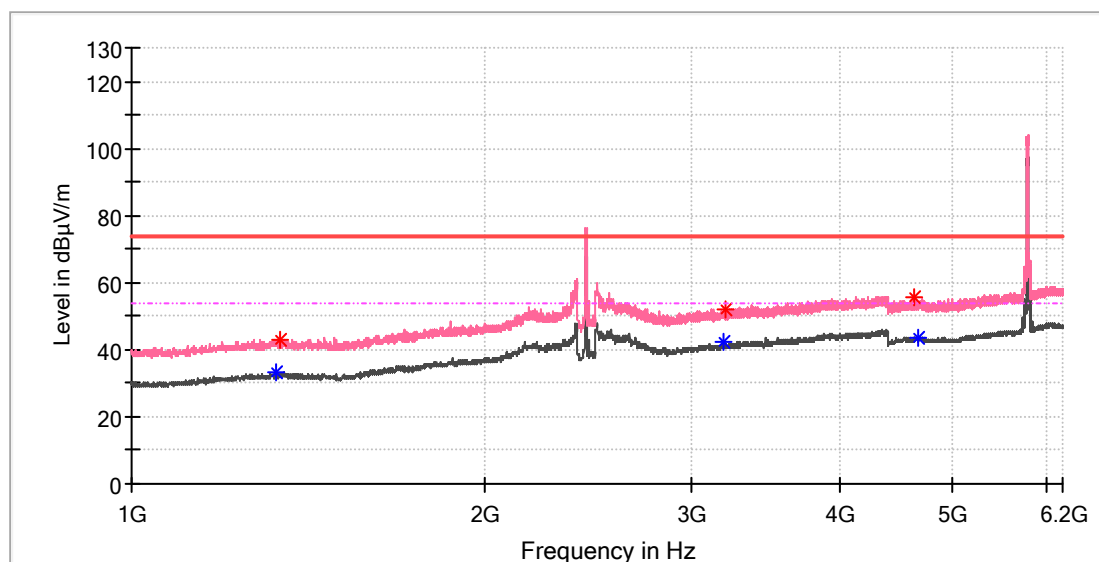
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.789231	13.84	40.00	26.16	100.0	H	290.0	-19.7
108.122308	11.70	43.50	31.80	100.0	H	15.0	-19.1
236.423462	17.15	46.00	28.85	100.0	H	88.0	-17.9
404.979615	24.12	46.00	21.88	100.0	H	179.0	-13.6
742.502308	25.60	46.00	20.40	100.0	H	190.0	-7.2

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	2.4GHz Band+5.8GHz Wi-Fi
Order No/Sample No:	168575451/A004089180-008
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

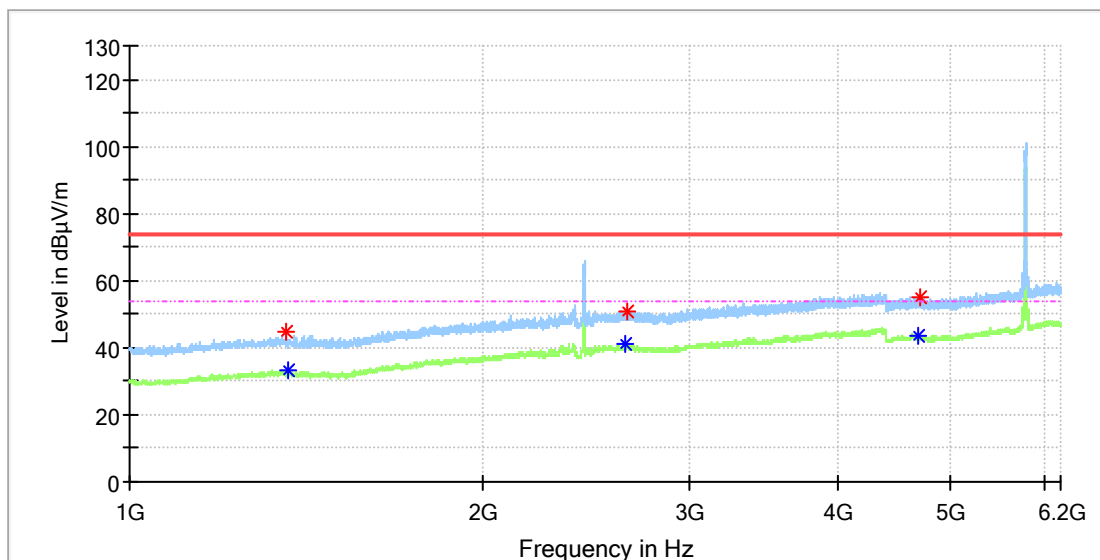
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1325.000000	---	33.28	54.00	20.72	150.0	V	255.0	3.7
1338.500000	43.01	---	74.00	30.99	150.0	V	213.0	3.8
3191.500000	---	42.32	54.00	11.68	150.0	V	358.0	11.8
3197.500000	52.11	---	74.00	21.89	150.0	V	324.0	11.9
4643.000000	55.39	---	74.00	18.61	150.0	V	99.0	13.5
4662.500000	---	43.57	54.00	10.43	150.0	V	13.0	13.5

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	2.4GHz Band+5.8GHz Wi-Fi
Order No/Sample No:	168575451/A004089180-008
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

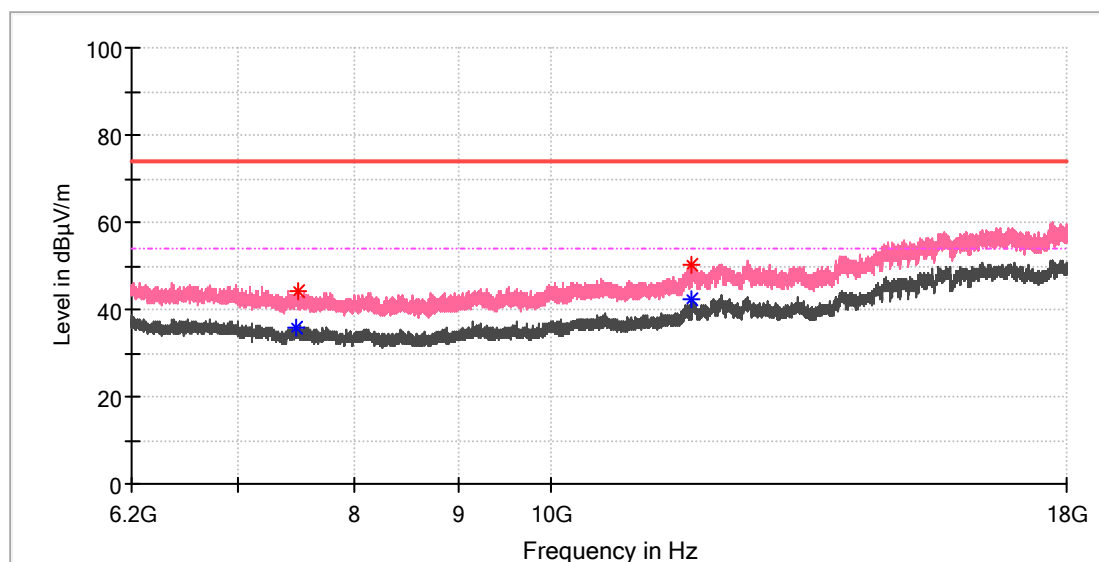
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1357.000000	44.45	---	74.00	29.55	150.0	H	119.0	3.9
1363.500000	---	33.10	54.00	20.90	150.0	H	111.0	3.8
2645.000000	---	41.26	54.00	12.74	150.0	H	354.0	11.0
2652.000000	50.73	---	74.00	23.27	150.0	H	278.0	11.0
4685.000000	---	43.71	54.00	10.29	150.0	H	24.0	13.5
4705.500000	55.09	---	74.00	18.91	150.0	H	173.0	13.5

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 Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	2.4GHz Band+5.8GHz Wi-Fi
Order No/Sample No:	168575451/A004089180-008
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

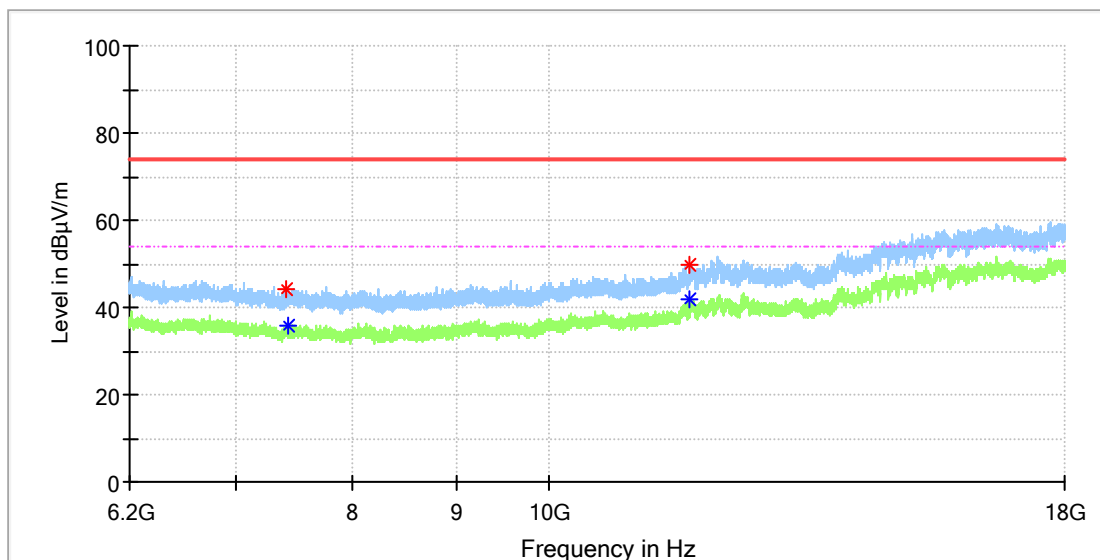
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7470.958333	---	35.77	54.00	18.23	150.0	V	110.0	8.6
7491.608333	44.14	---	74.00	29.86	150.0	V	0.0	8.7
11746.983333	50.27	---	74.00	23.73	150.0	V	27.0	15.3
11746.983333	---	42.29	54.00	11.71	150.0	V	27.0	15.3

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	2.4GHz Band+5.8GHz Wi-Fi
Order No/Sample No:	168575451/A004089180-008
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
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)
7416.383333	44.41	---	74.00	29.59	150.0	H	326.0	8.3
7425.725000	---	35.93	54.00	18.07	150.0	H	348.0	8.4
11743.541667	49.86	---	74.00	24.14	150.0	H	18.0	15.1
11748.458333	---	41.70	54.00	12.30	150.0	H	278.0	15.4

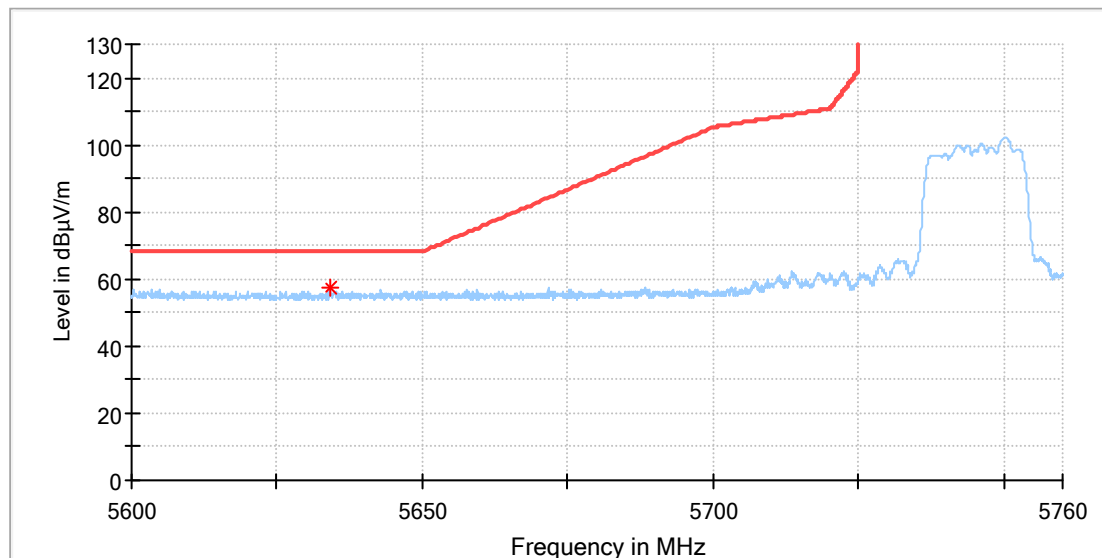
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

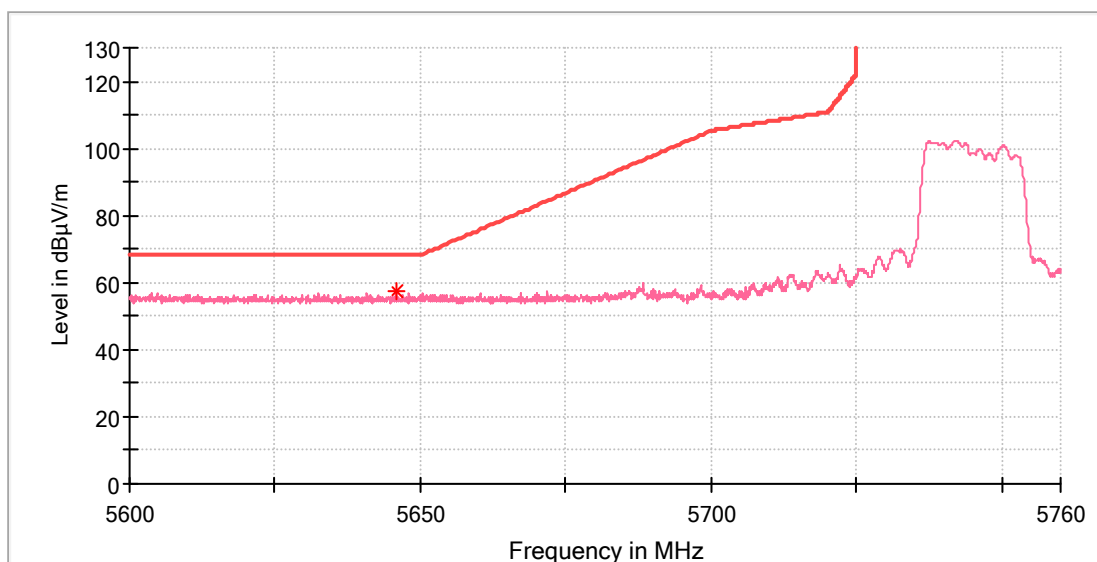
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5634.100000	57.25	68.20	10.95	150.0	H	246.0	15.3

Final_Result

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

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

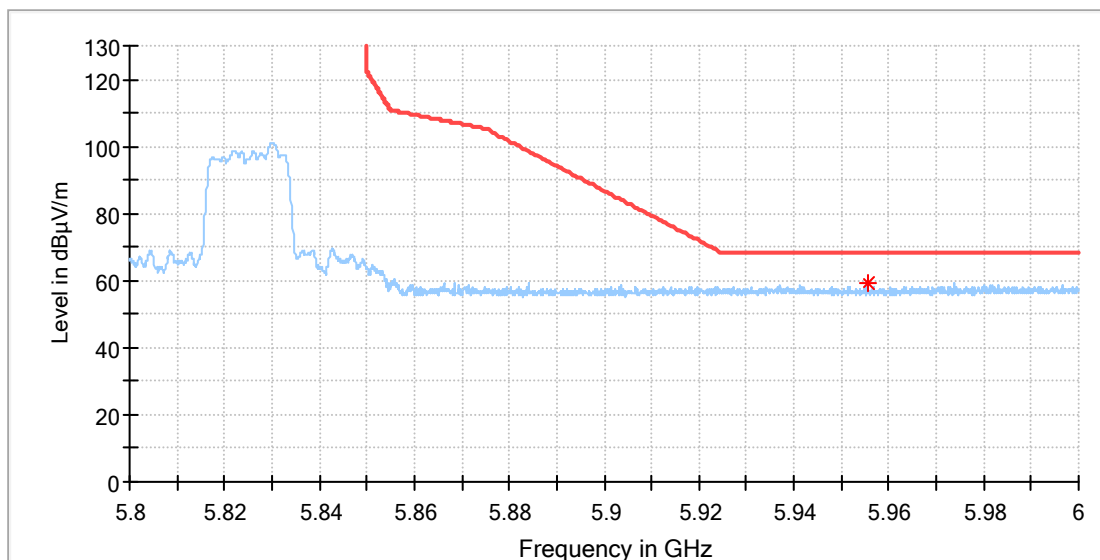
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5645.711111	57.67	68.20	10.53	150.0	V	320.0	15.3

Final Result

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

EUT Name: Unmanned Aircraft
Model: FMAWZVM
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: 168575451/A004089180-009
Test Voltage:: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

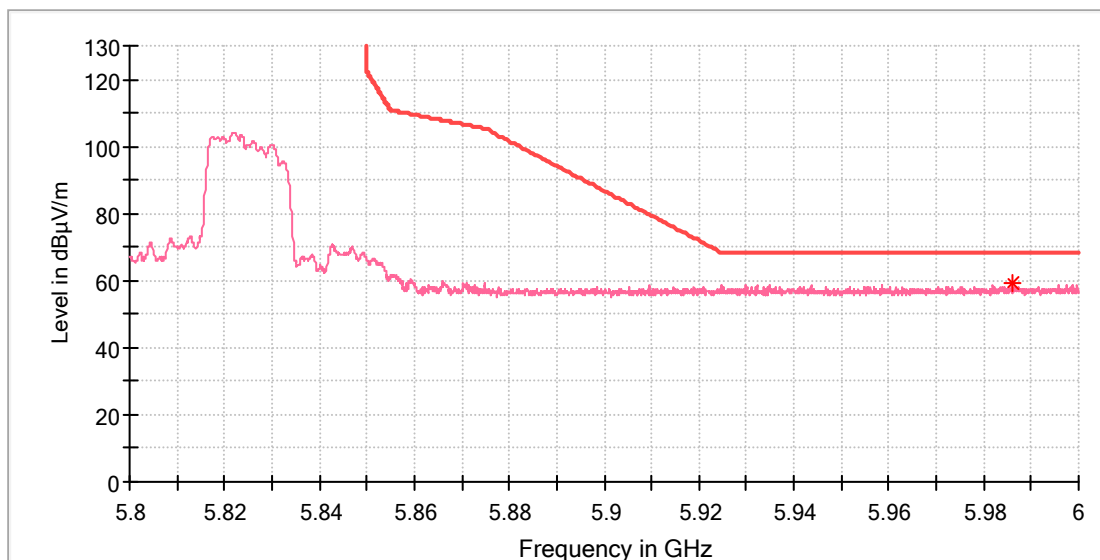
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5955.618056	59.16	68.20	9.04	150.0	H	341.0	16.3

Final Result

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

EUT Name: Unmanned Aircraft
Model: FMAWZVM
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: 168575451/A004089180-009
Test Voltage:: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

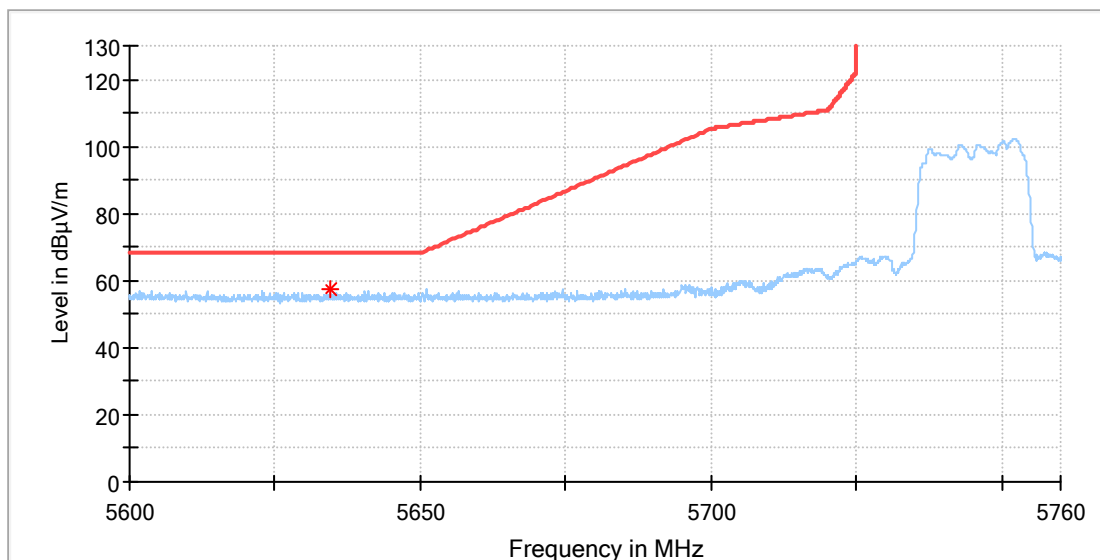
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5985.868056	59.03	68.20	9.17	150.0	V	283.0	16.4

Final Result

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

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	WIFI 5G_11n20_Ch149
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

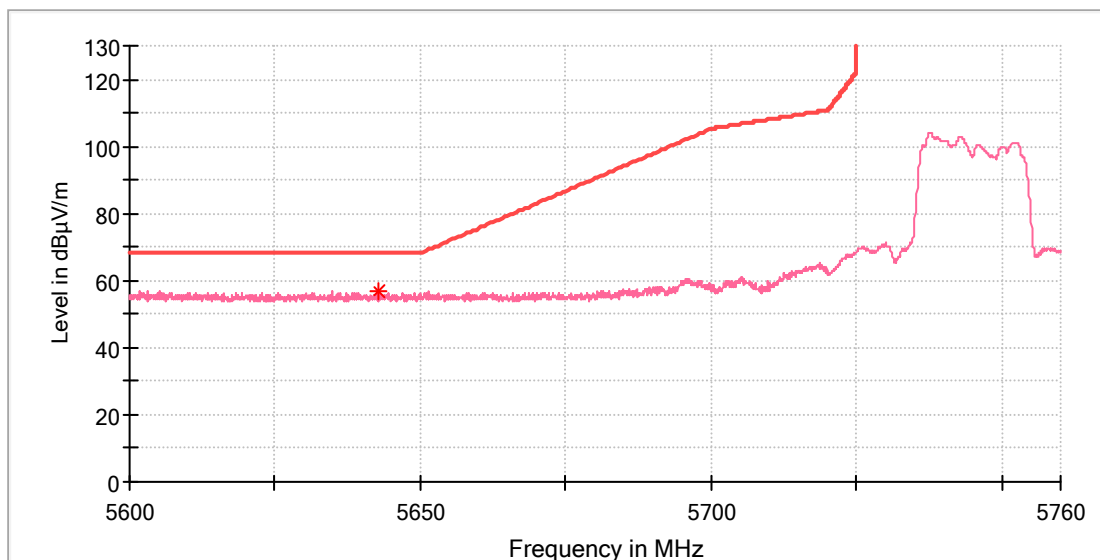
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5634.405556	57.15	68.20	11.05	150.0	H	0.0	15.3

Final Result

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

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	WIFI 5G_11n20_Ch149
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

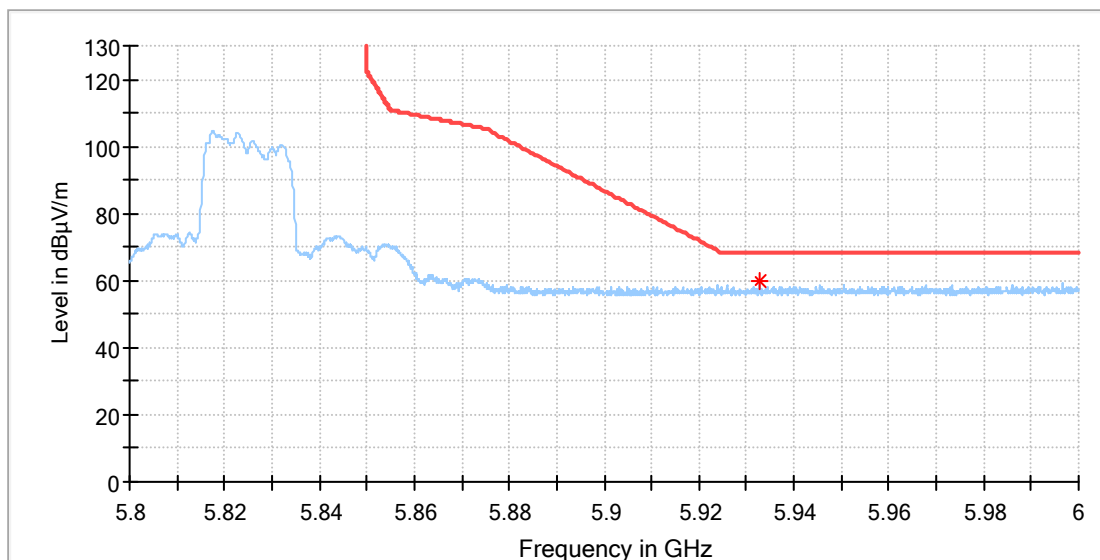
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5642.716667	56.55	68.20	11.65	150.0	V	204.0	15.3

Final Result

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

EUT Name: Unmanned Aircraft
Model: FMAWZVM
Test Mode: WIFI 5G_11n20_Ch165
Order No/Sample No: 168575451/A004089180-009
Test Voltage:: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

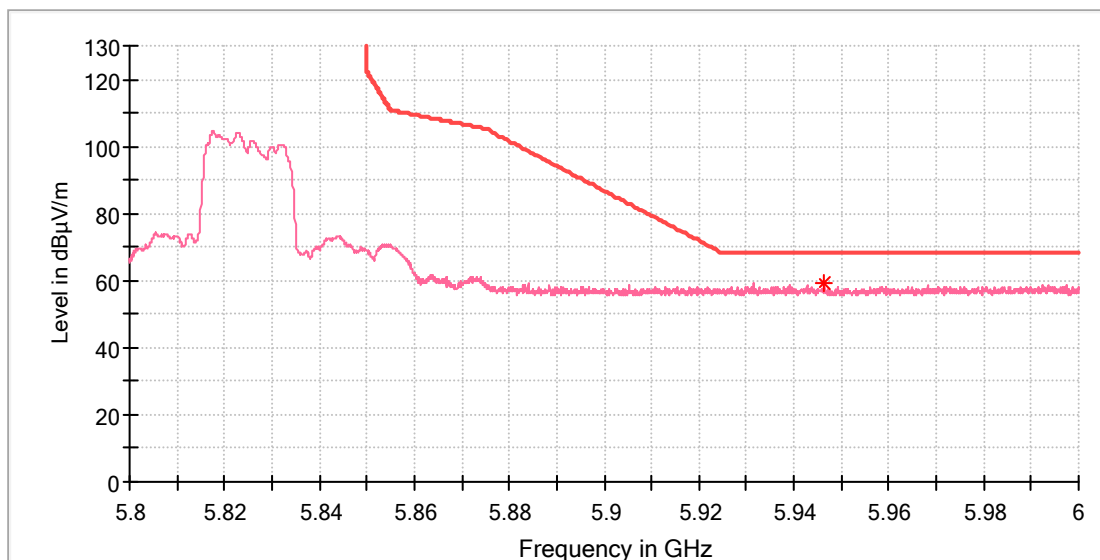
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5932.777778	59.58	68.20	8.62	150.0	H	273.0	16.2

Final Result

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

EUT Information

EUT Name: Unmanned Aircraft
Model: FMAWZVM
Test Mode: WIFI 5G_11n20_Ch165
Order No/Sample No: 168575451/A004089180-009
Test Voltage:: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

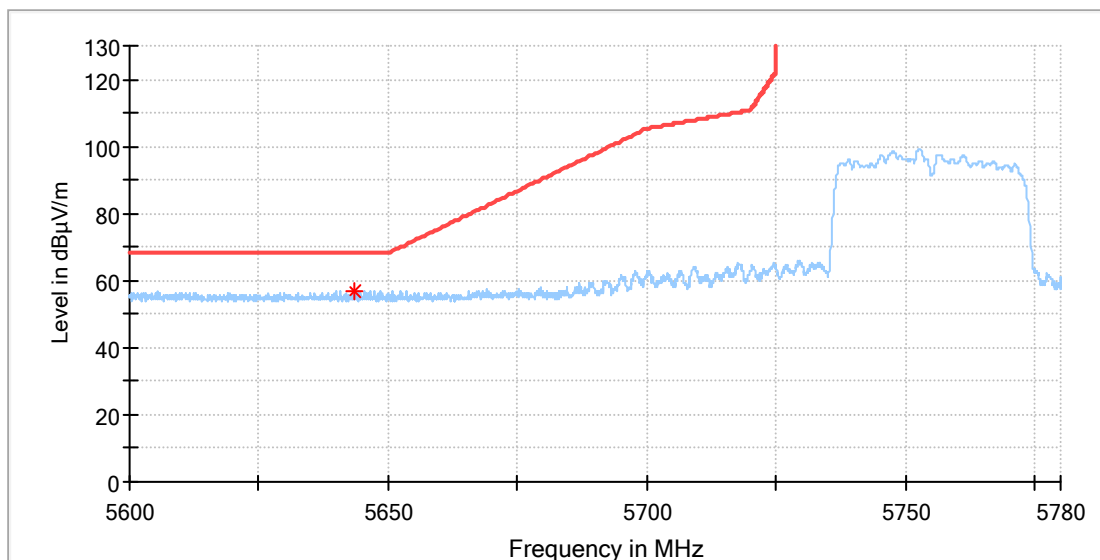
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5946.451389	59.03	68.20	9.17	150.0	V	67.0	16.3

Final_Result

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

EUT Information

EUT Name: Unmanned Aircraft
Model: FMAWZVM
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168575451/A004089180-009
Test Voltage:: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

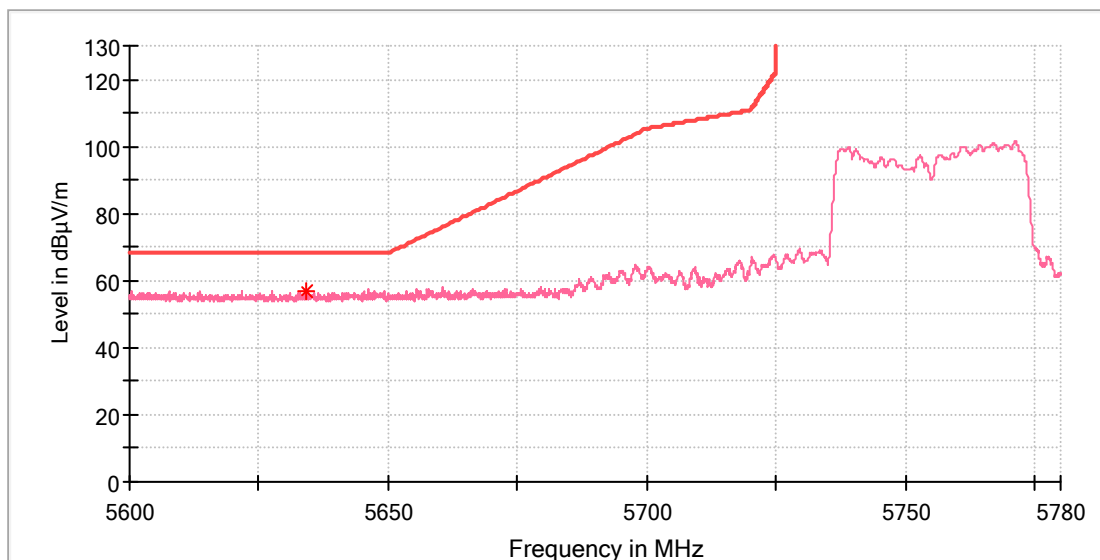
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5643.327778	57.07	68.20	11.13	150.0	H	308.0	15.3

Final Result

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

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	WIFI 5G_11n40_Ch151
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

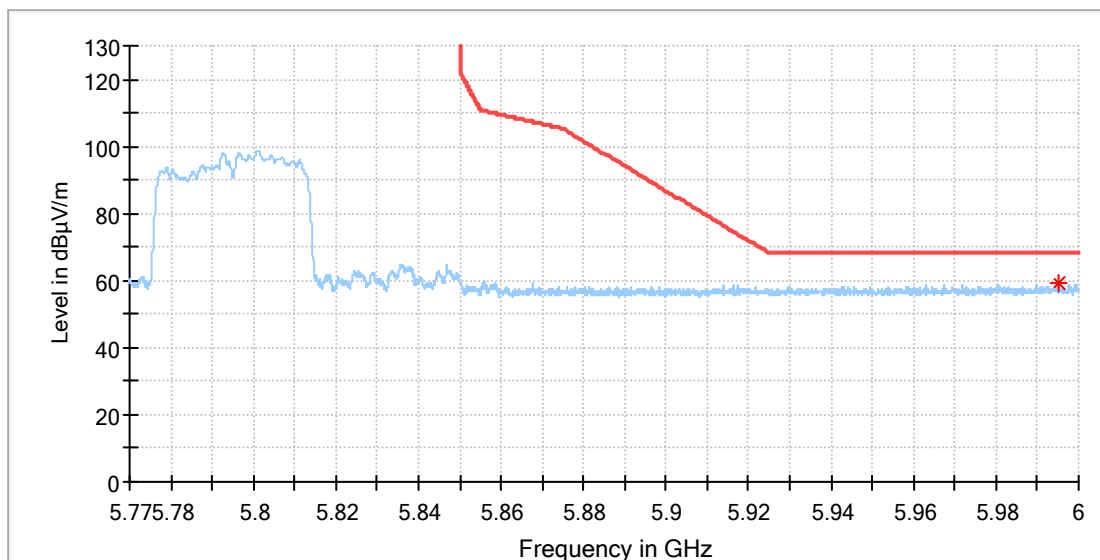
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5634.100000	57.08	68.20	11.12	150.0	V	308.0	15.3

Final Result

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

EUT Information

EUT Name: Unmanned Aircraft
Model: FMAWZVM
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168575451/A004089180-009
Test Voltage:: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

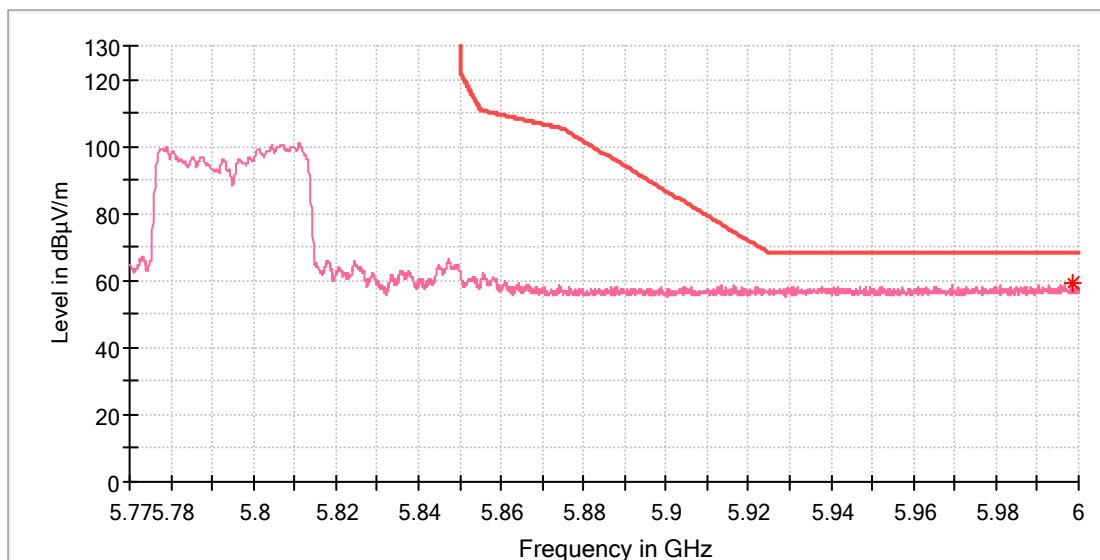
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5995.111111	59.00	68.20	9.20	150.0	H	90.0	16.5

Final Result

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

EUT Name: Unmanned Aircraft
Model: FMAWZVM
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168575451/A004089180-009
Test Voltage:: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
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)
5998.395833	59.21	68.20	8.99	150.0	V	260.0	16.5

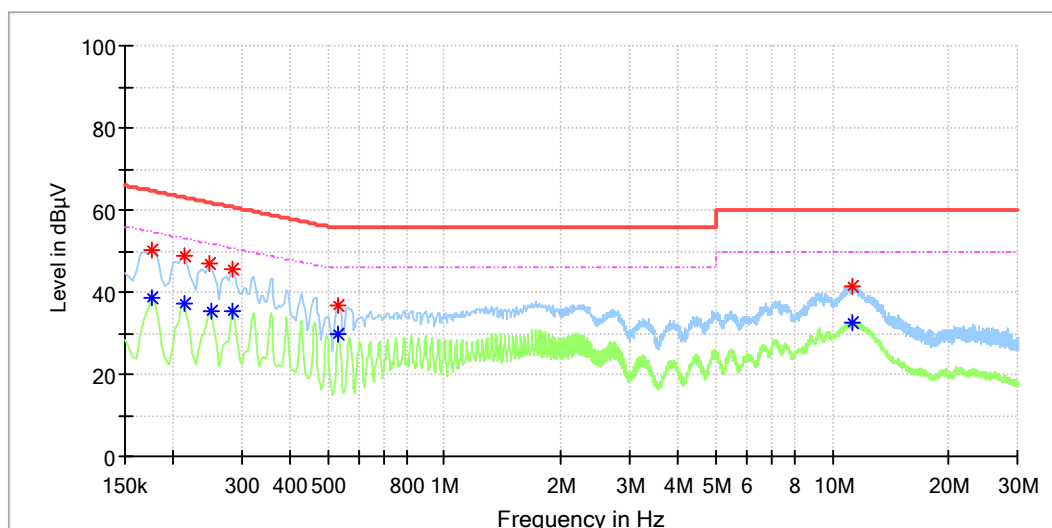
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.7: Test Results of AC conducted Emissions

EUT Information

EUT Name:	Unmanned Aircraft
Order Number:	168571276 160(P02083872)
Model:	FMAWZVM
Test Mode:	Wireless Connecting
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Simon Feng / Murphy Chen
Tem./Hum./Pressure:	24.5°C/52.1%/101kPa
Remark:	SR3



Critical_Freqs

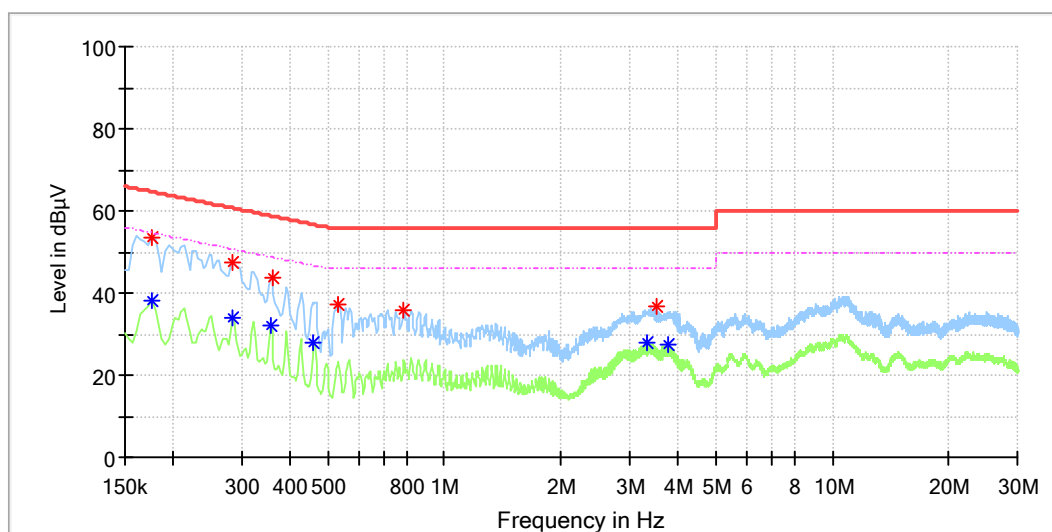
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.176	---	38.4	54.67	16.23	N	9.8
0.176	50.3	---	64.67	14.37	N	9.8
0.213	---	37.0	53.07	16.06	N	9.9
0.213	48.8	---	63.07	14.25	N	9.9
0.247	46.9	---	61.86	14.93	N	9.9
0.251	---	35.3	51.73	16.43	N	9.9
0.284	---	35.4	50.69	15.34	N	9.9
0.284	45.7	---	60.69	14.95	N	9.9
0.534	---	29.8	46.00	16.20	N	9.9
0.534	36.8	---	56.00	19.23	N	9.9
11.209	---	32.6	50.00	17.43	N	9.7
11.277	41.5	---	60.00	18.48	N	9.7

Final Result

[illegible]

EUT Information

EUT Name:	Unmanned Aircraft
Order Number:	168571276 160(P02083872)
Model:	FMAWZVM
Test Mode:	Wireless Connecting
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Simon Feng / 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)
0.176	53.4	---	64.67	11.25	L1	9.6
0.176	---	37.9	54.67	16.73	L1	9.6
0.284	---	33.7	50.69	16.95	L1	9.6
0.284	47.7	---	60.69	13.04	L1	9.6
0.355	---	32.3	48.84	16.54	L1	9.6
0.359	43.9	---	58.75	14.89	L1	9.6
0.460	---	27.8	46.70	18.90	L1	9.5
0.534	37.3	---	56.00	18.73	L1	9.5
0.784	35.7	---	56.00	20.34	L1	9.7
3.329	---	27.9	46.00	18.06	L1	9.6
3.512	36.7	---	56.00	19.29	L1	9.7
3.762	---	27.4	46.00	18.56	L1	9.7

Final Result

[illegible]