

Appendix B: Test Results of 2.4GHz Wi-Fi

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Appendix B.1: Test Results of Radiated Spurious Emissions

Note 1: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

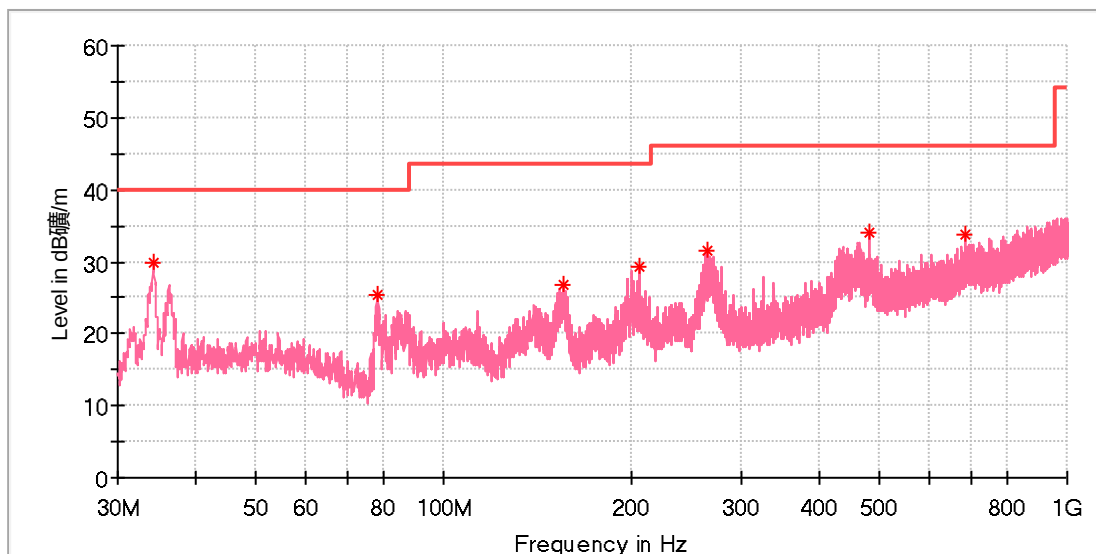
Note 2: The highest emissions are the fundamental waves.

Note 3: All modes and ports tested, only the worst-case reported.

30MHz - 1GHz

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

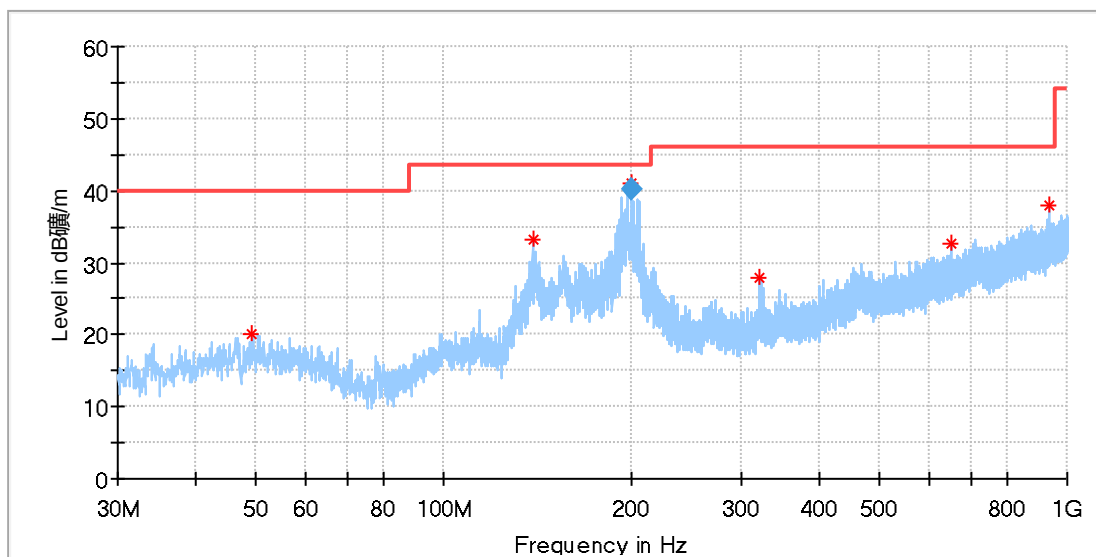
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.178462	29.93	40.00	10.07	100.0	V	344.0	-22.3
78.238846	25.53	40.00	14.47	100.0	V	17.0	-23.5
155.316539	26.71	43.50	16.79	100.0	V	155.0	-22.0
206.465385	29.34	43.50	14.16	100.0	V	17.0	-19.0
264.702692	31.51	46.00	14.49	100.0	V	0.0	-17.0
480.005385	34.08	46.00	11.92	100.0	V	200.0	-12.1
686.913846	33.82	46.00	12.18	100.0	V	43.0	-8.2

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:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
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Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.362692	20.02	40.00	19.98	100.0	H	334.0	-18.4
138.863846	33.11	43.50	10.39	100.0	H	48.0	-22.3
199.414231	40.96	43.50	2.54	100.0	H	334.0	-19.1
320.067308	27.82	46.00	18.18	100.0	H	184.0	-15.7
650.203077	32.69	46.00	13.31	100.0	H	56.0	-8.8
936.950000	37.92	46.00	8.08	100.0	H	227.0	-4.4

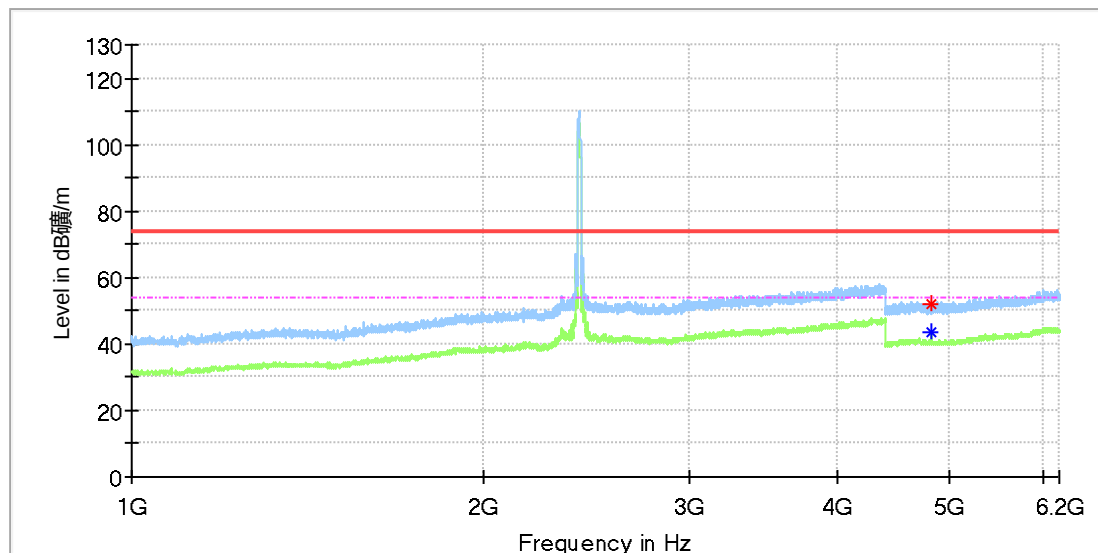
Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
199.546846	40.22	43.50	3.28	100.0	H	329.0	-19.1

Above 1GHz

EUT Information

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Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

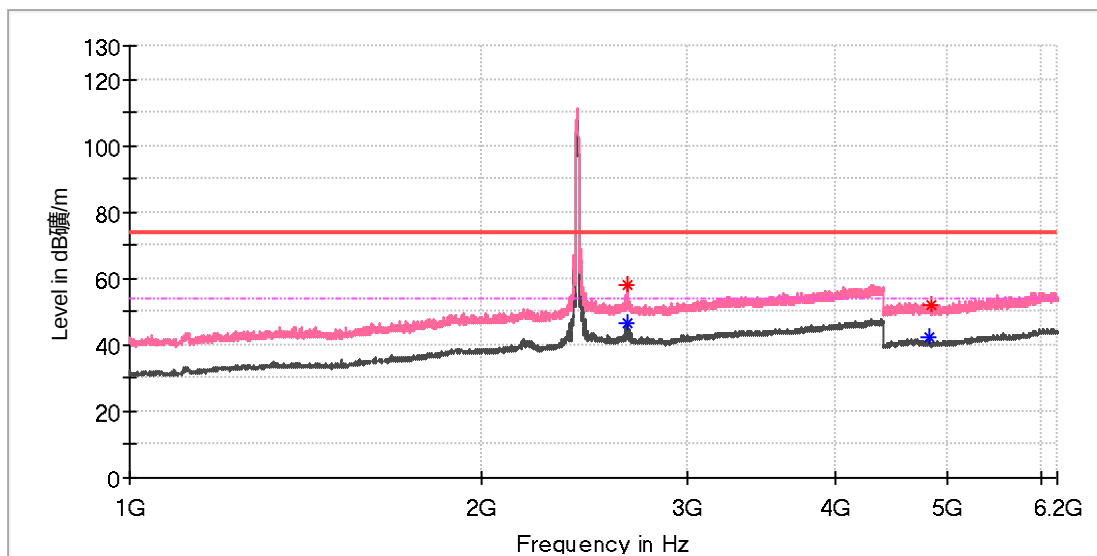
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4816.000000	52.16	---	74.00	21.84	150.0	H	356.0	13.3
4824.000000	---	43.35	54.00	10.65	150.0	H	187.0	13.3

Final Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
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Critical_Freqs

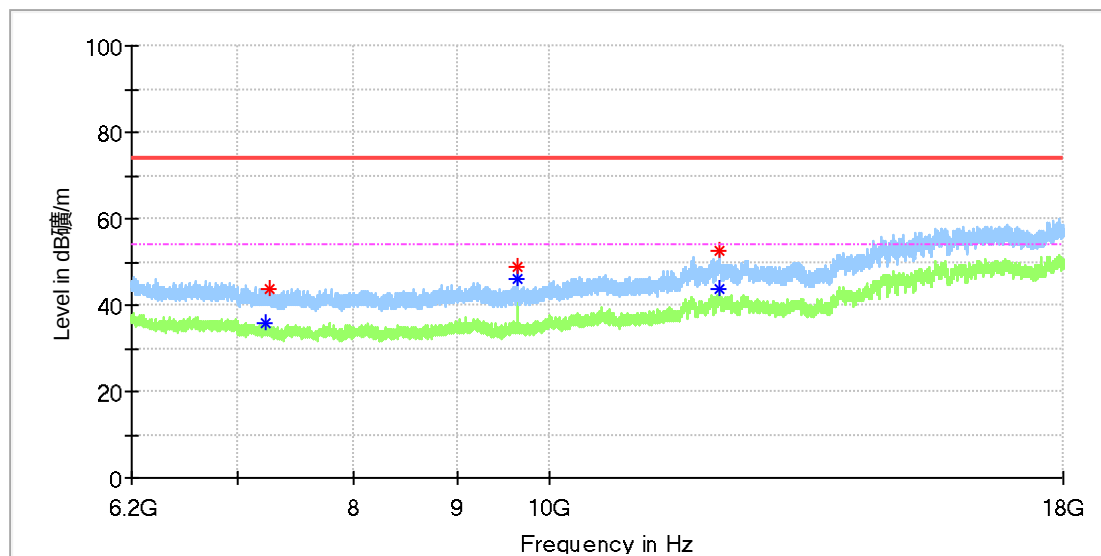
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2659.500000	---	46.61	54.00	7.39	150.0	V	272.0	10.2
2662.000000	57.86	---	74.00	16.14	150.0	V	272.0	10.2
4824.000000	---	42.05	54.00	11.95	150.0	V	160.0	13.3
4846.000000	51.96	---	74.00	22.04	150.0	V	319.0	13.3

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: 3D Printer
Model: AccuFab-F1
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168512050/A003859216-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
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Critical_Freqs

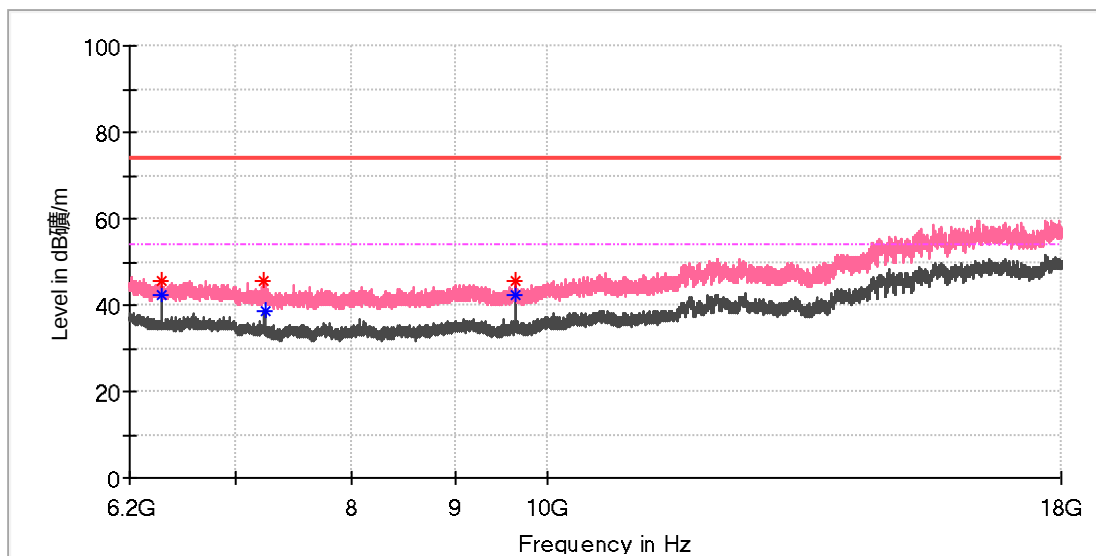
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7233.975000	---	36.04	54.00	17.96	150.0	H	234.0	8.6
7261.508333	43.80	---	74.00	30.20	150.0	H	100.0	8.5
9648.058333	48.83	---	74.00	25.17	150.0	H	144.0	10.4
9648.058333	---	45.92	54.00	8.08	150.0	H	144.0	10.4
12141.300000	52.49	---	74.00	21.51	150.0	H	269.0	16.5
12141.300000	---	43.56	54.00	10.44	150.0	H	269.0	16.5

Final Result

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

EUT Information

EUT Name: 3D Printer
Model: AccuFab-F1
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168512050/A003859216-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
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Critical_Freqs

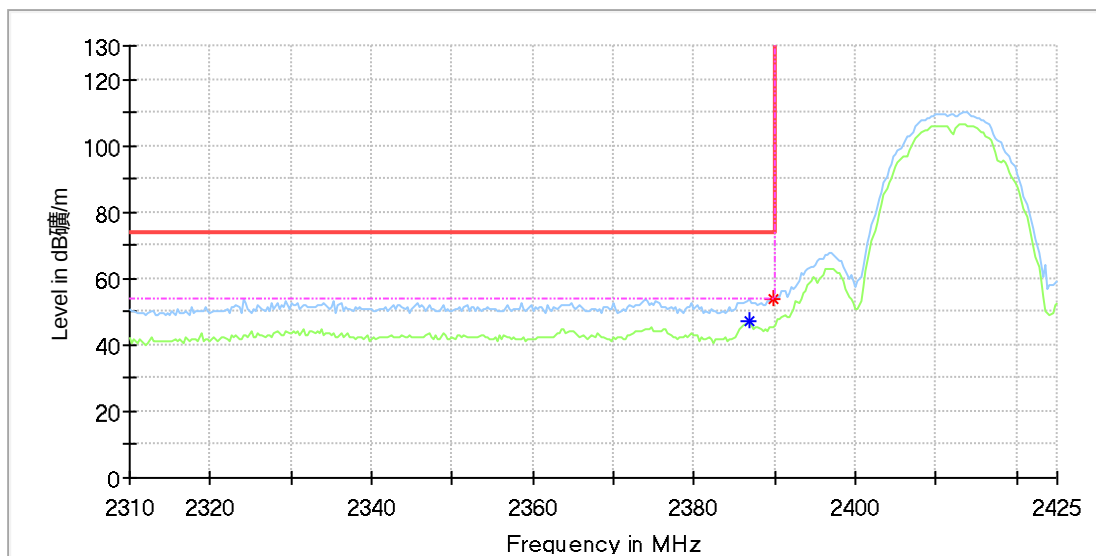
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6431.575000	45.47	---	74.00	28.53	150.0	V	139.0	8.8
6431.575000	---	42.10	54.00	11.90	150.0	V	139.0	8.8
7234.958333	45.45	---	74.00	28.55	150.0	V	160.0	8.6
7236.925000	---	38.83	54.00	15.17	150.0	V	203.0	8.6
9647.566667	45.79	---	74.00	28.21	150.0	V	171.0	10.4
9648.058333	---	42.10	54.00	11.90	150.0	V	182.0	10.4

Final Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

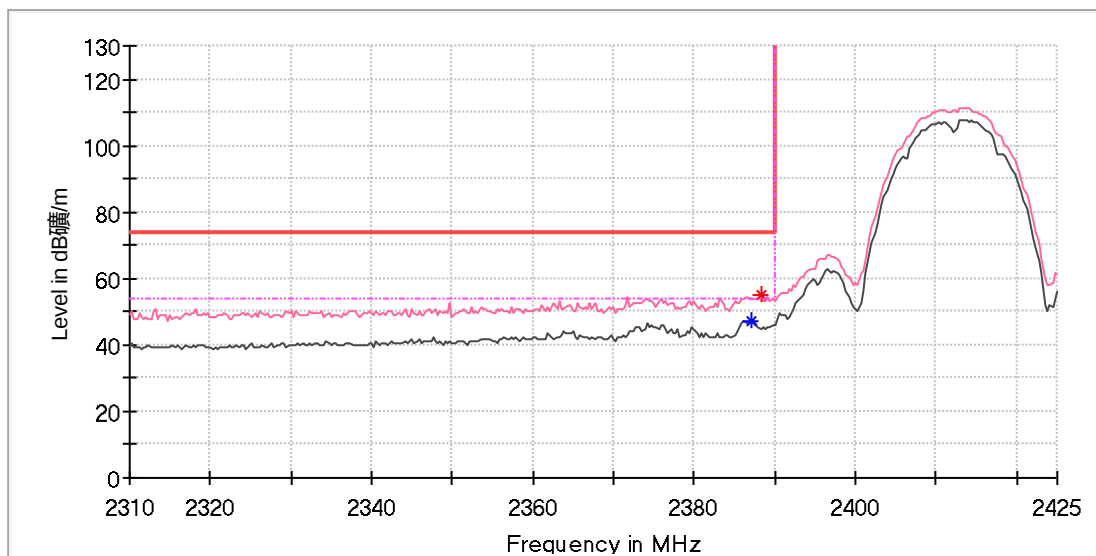
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.764706	---	46.97	54.00	7.03	150.0	H	181.0	8.5
2389.705882	54.03	---	74.00	19.97	150.0	H	209.0	8.5

Final_Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
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Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
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Critical_Freqs

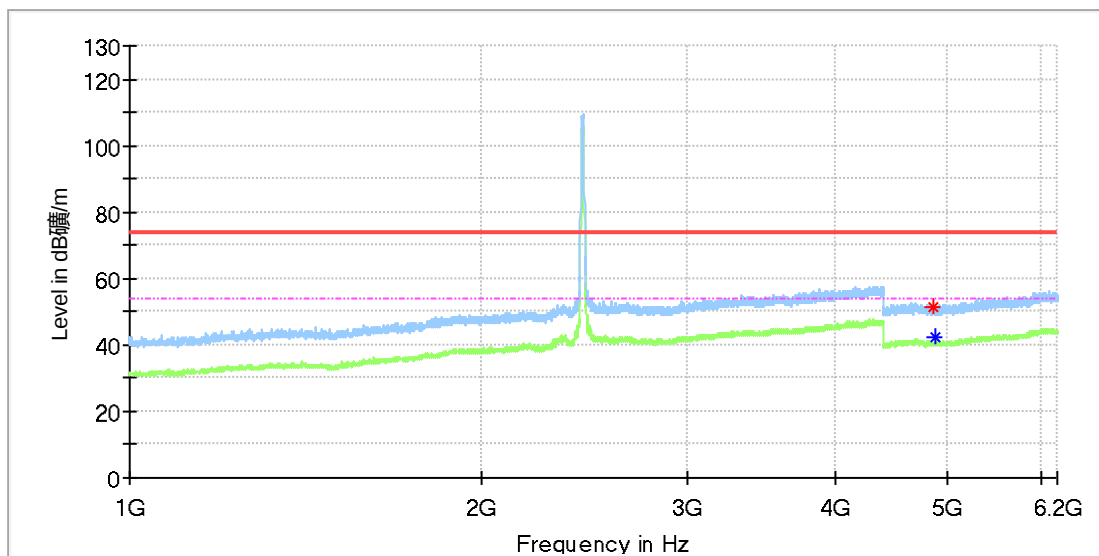
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.058824	---	47.23	54.00	6.77	150.0	V	187.0	8.5
2388.235294	54.88	---	74.00	19.12	150.0	V	174.0	8.5

Final_Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

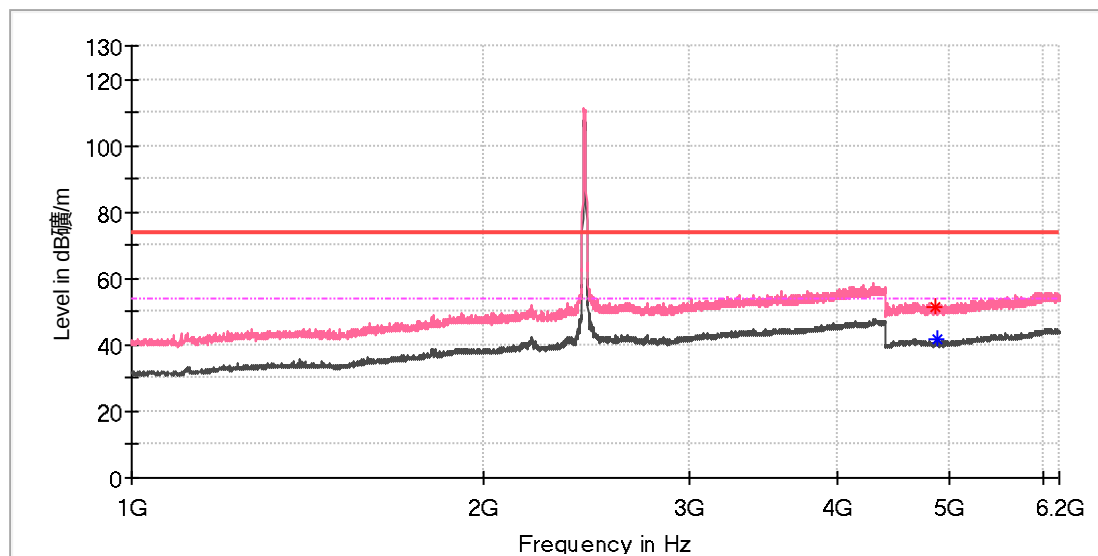
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4868.000000	51.54	---	74.00	22.46	150.0	H	263.0	13.3
4874.000000	---	42.49	54.00	11.51	150.0	H	225.0	13.3

Final_Result

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

EUT Information

EUT Name: 3D Printer
Model: AccuFab-F1
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168512050/A003859216-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

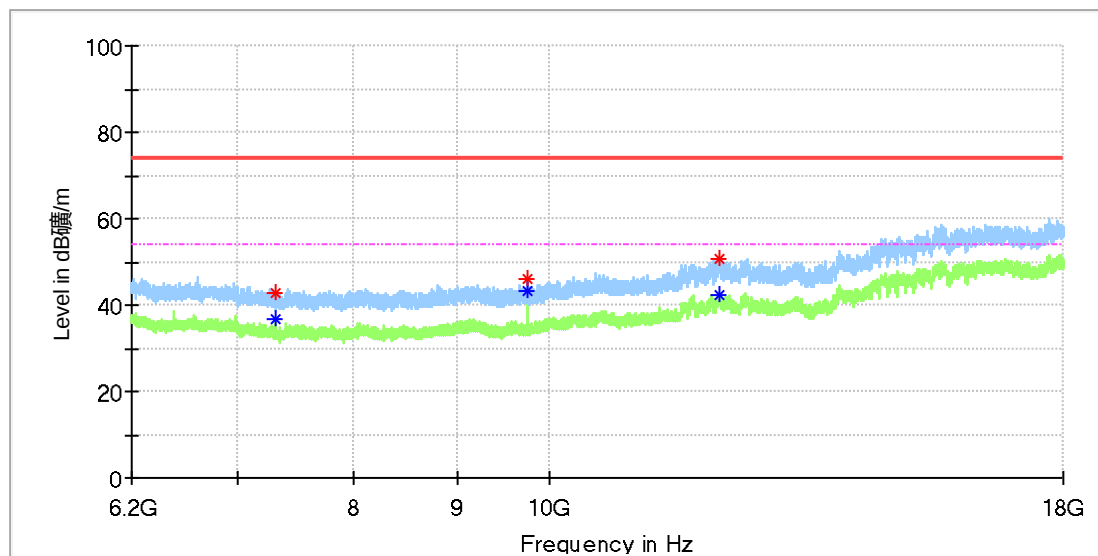
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4861.000000	51.61	---	74.00	22.39	150.0	V	206.0	13.3
4874.000000	---	42.01	54.00	11.99	150.0	V	282.0	13.3

Final_Result

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

EUT Information

EUT Name: 3D Printer
Model: AccuFab-F1
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168512050/A003859216-001
Test Voltage:: 120V/60Hz
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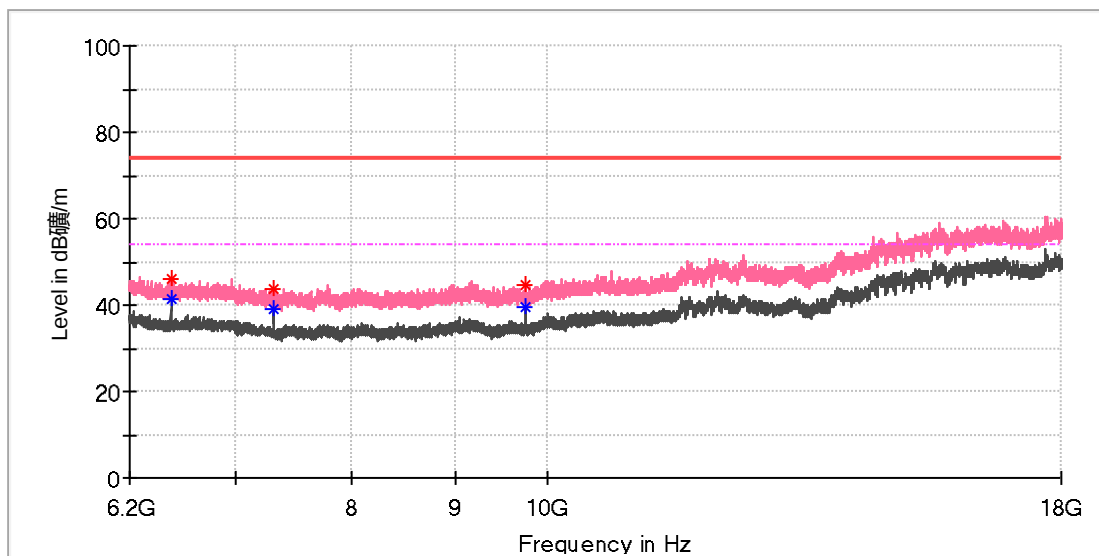
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7305.758333	42.90	---	74.00	31.10	150.0	H	131.0	8.3
7308.708333	---	36.55	54.00	17.45	150.0	H	217.0	8.2
9747.866667	46.18	---	74.00	27.82	150.0	H	206.0	10.4
9747.866667	---	43.12	54.00	10.88	150.0	H	206.0	10.4
12146.216667	50.78	---	74.00	23.22	150.0	H	229.0	16.6
12151.625000	---	42.32	54.00	11.68	150.0	H	143.0	16.6

Final Result

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

EUT Information

EUT Name: 3D Printer
Model: AccuFab-F1
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168512050/A003859216-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

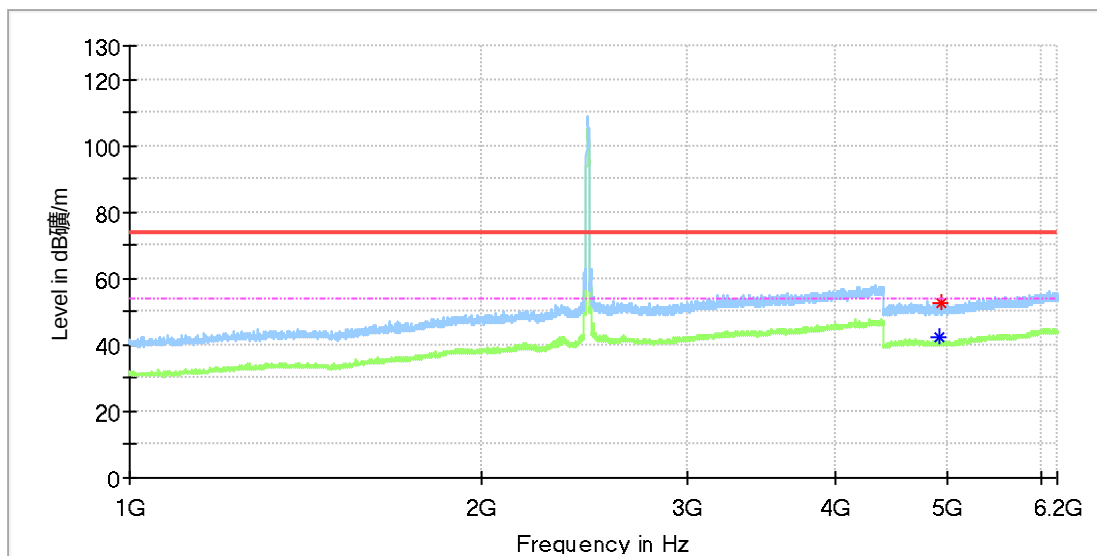
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6498.441667	45.85	---	74.00	28.15	150.0	V	199.0	8.8
6498.441667	---	41.46	54.00	12.54	150.0	V	199.0	8.8
7309.691667	43.80	---	74.00	30.20	150.0	V	166.0	8.2
7312.150000	---	38.89	54.00	15.11	150.0	V	166.0	8.2
9747.866667	44.85	---	74.00	29.15	150.0	V	166.0	10.4
9747.866667	---	39.32	54.00	14.68	150.0	V	166.0	10.4

Final Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

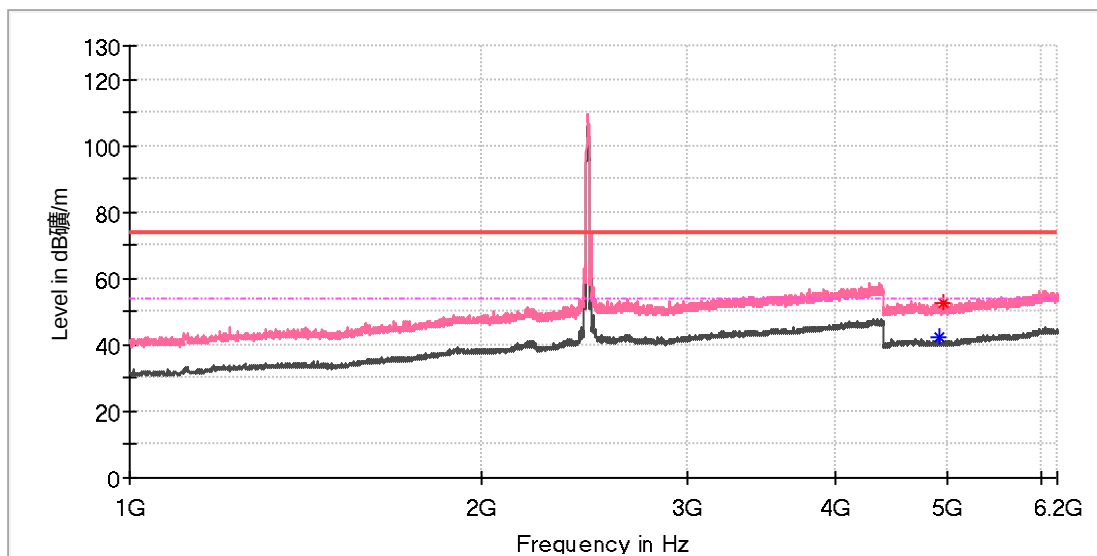
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	---	42.56	54.00	11.44	150.0	H	189.0	13.3
4944.000000	52.54	---	74.00	21.46	150.0	H	132.0	13.3

Final_Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

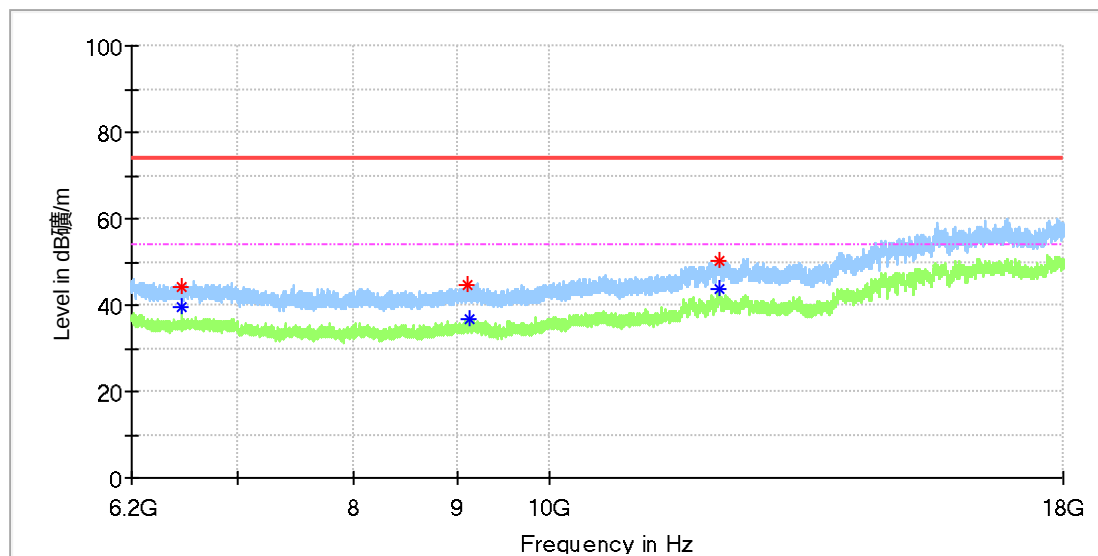
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	---	42.51	54.00	11.49	150.0	V	322.0	13.3
4957.000000	52.50	---	74.00	21.50	150.0	V	359.0	13.3

Final_Result

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

EUT Information

EUT Name: 3D Printer
Model: AccuFab-F1
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168512050/A003859216-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

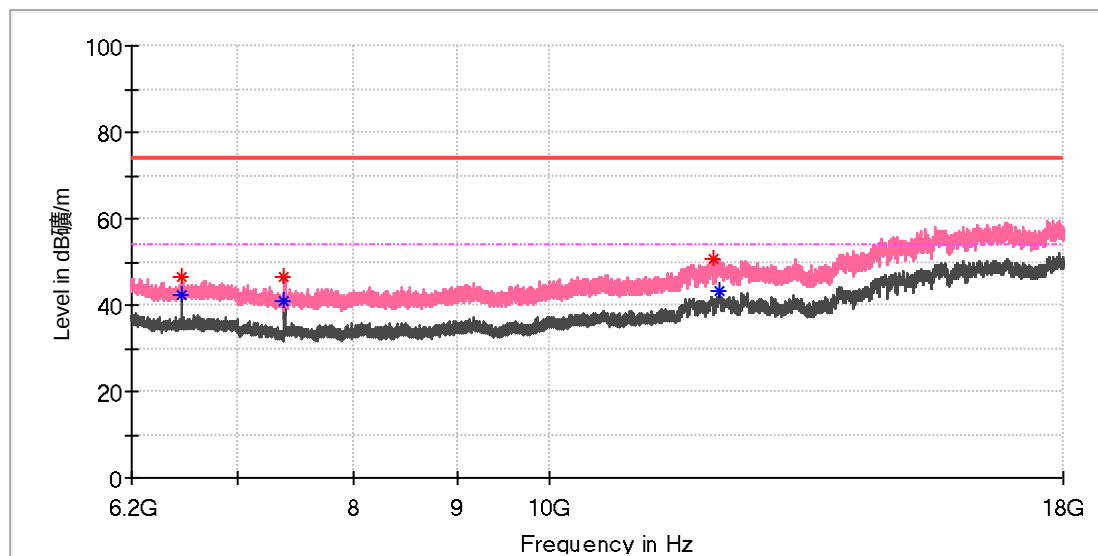
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6564.816667	44.26	---	74.00	29.74	150.0	H	152.0	8.7
6564.816667	---	39.53	54.00	14.47	150.0	H	152.0	8.7
9105.258333	44.74	---	74.00	29.26	150.0	H	85.0	10.1
9133.775000	---	36.59	54.00	17.41	150.0	H	152.0	10.3
12136.383333	50.42	---	74.00	23.58	150.0	H	272.0	16.4
12149.658333	---	43.85	54.00	10.15	150.0	H	96.0	16.7

Final Result

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

EUT Information

EUT Name: 3D Printer
Model: AccuFab-F1
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168512050/A003859216-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

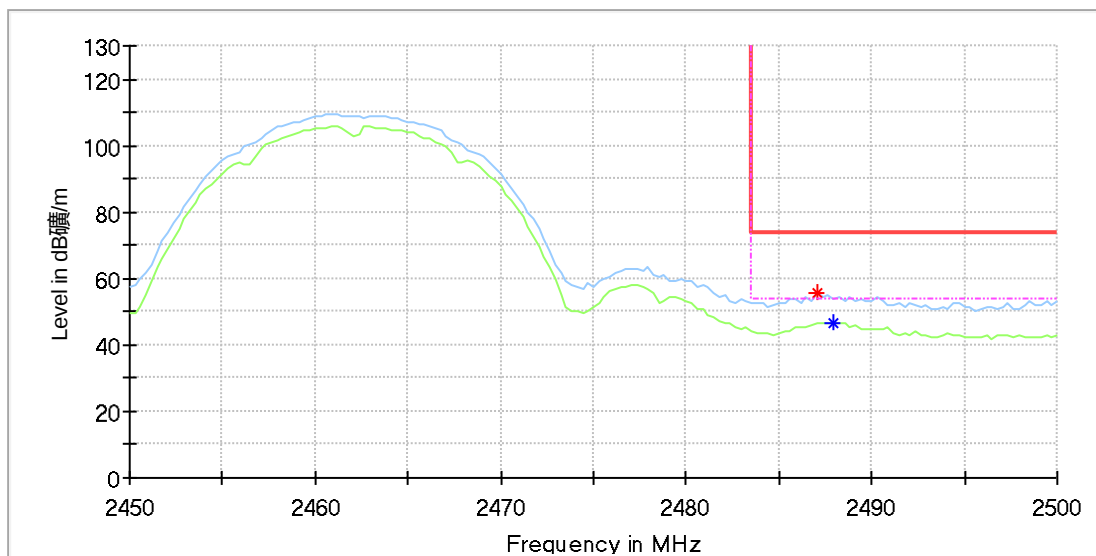
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6565.308333	---	42.50	54.00	11.50	150.0	V	195.0	8.7
6565.800000	46.60	---	74.00	27.40	150.0	V	185.0	8.7
7384.425000	46.49	---	74.00	27.51	150.0	V	173.0	8.2
7384.425000	---	41.07	54.00	12.93	150.0	V	173.0	8.2
12050.833333	50.61	---	74.00	23.39	150.0	V	185.0	16.3
12152.608333	---	43.17	54.00	10.83	150.0	V	0.0	16.6

Final Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

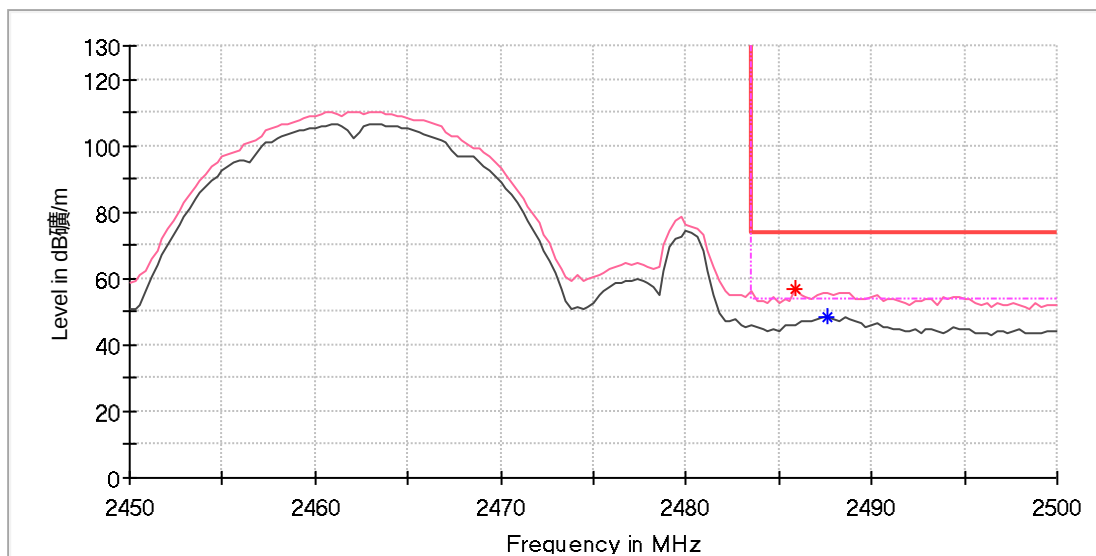
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.058824	55.56	---	74.00	18.44	150.0	H	112.0	9.0
2487.941177	---	46.82	54.00	7.18	150.0	H	127.0	9.0

Final_Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

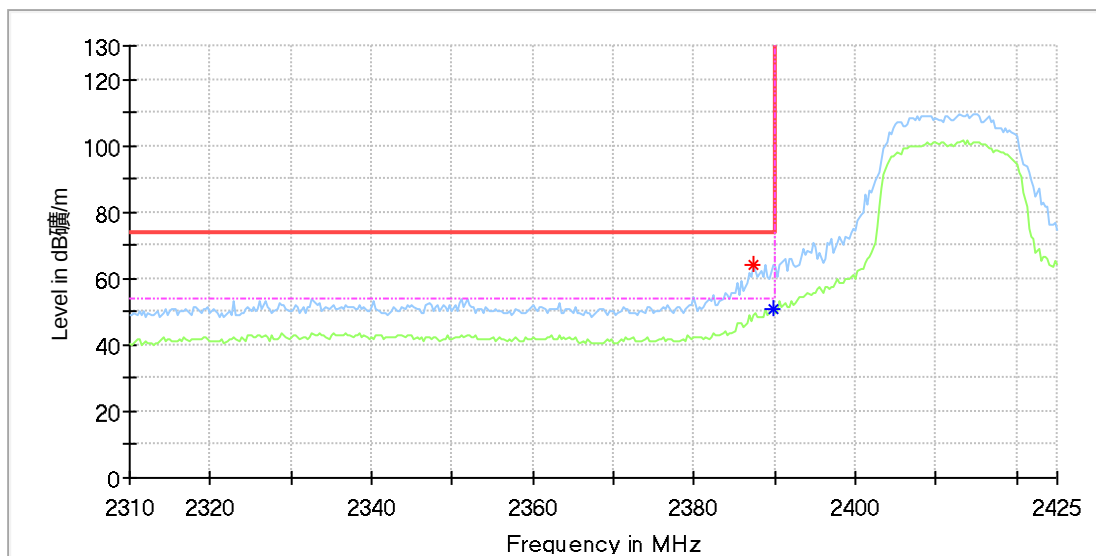
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.882353	57.04	---	74.00	16.96	150.0	V	174.0	9.0
2487.647059	---	48.49	54.00	5.51	150.0	V	174.0	9.0

Final_Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

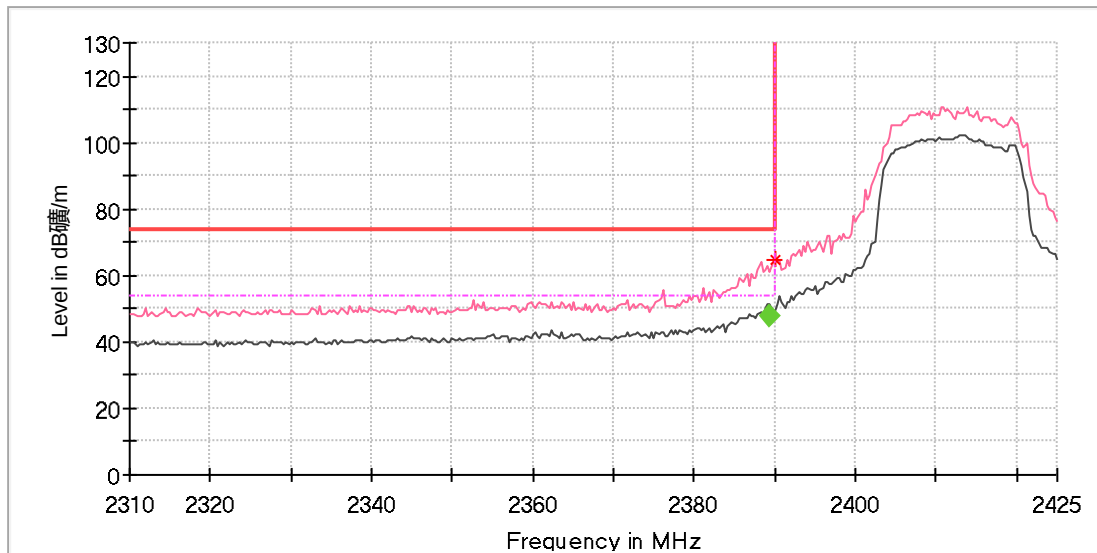
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.352941	64.19	---	74.00	9.81	150.0	H	183.0	8.5
2389.705882	---	50.78	54.00	3.22	150.0	H	176.0	8.5

Final_Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

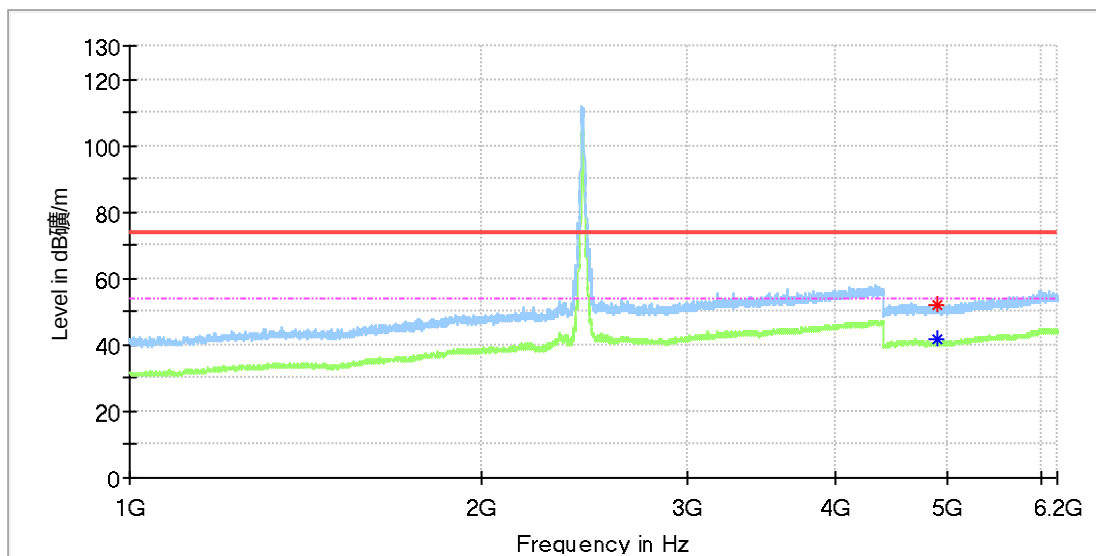
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	64.47	---	74.00	9.53	150.0	V	174.0	8.5

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.411765	47.54	54.00	6.46	147.0	V	168.0	8.5

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

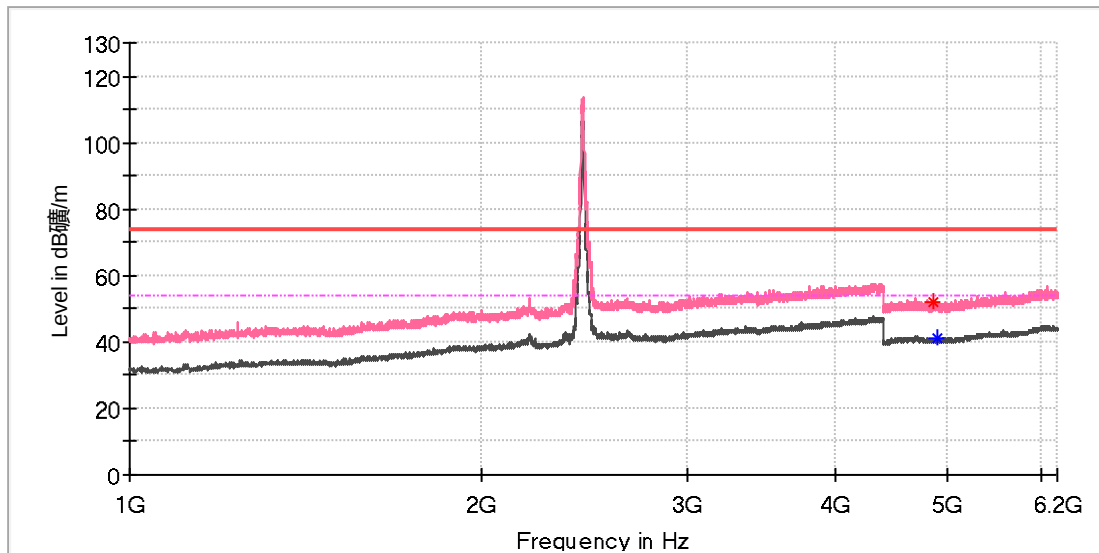
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4902.500000	52.18	---	74.00	21.82	150.0	H	265.0	13.3
4905.500000	---	41.45	54.00	12.55	150.0	H	333.0	13.3

Final_Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

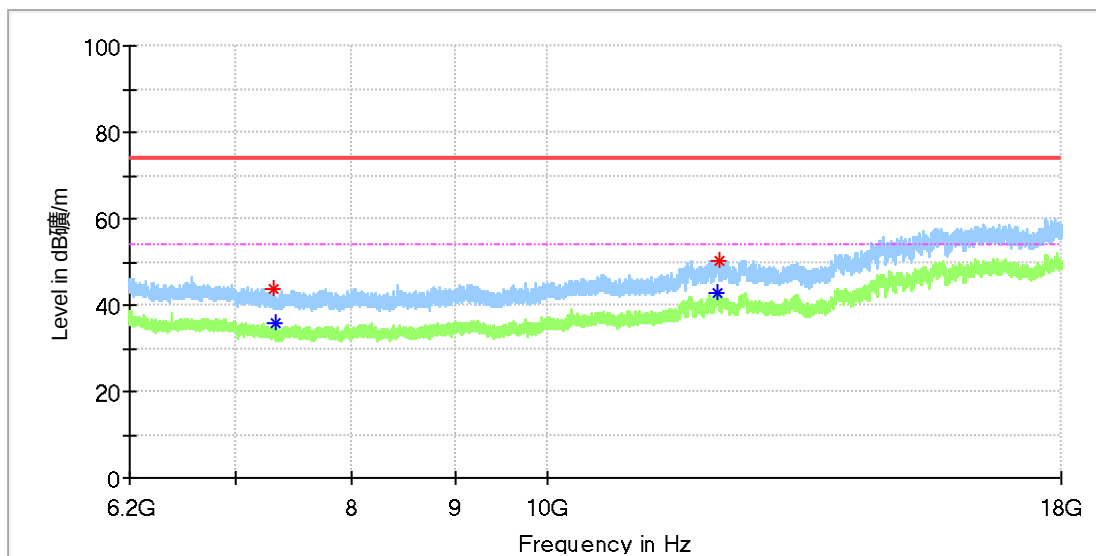
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4862.000000	52.28	---	74.00	21.72	150.0	V	305.0	13.3
4894.500000	---	40.87	54.00	13.13	150.0	V	164.0	13.3

Final_Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

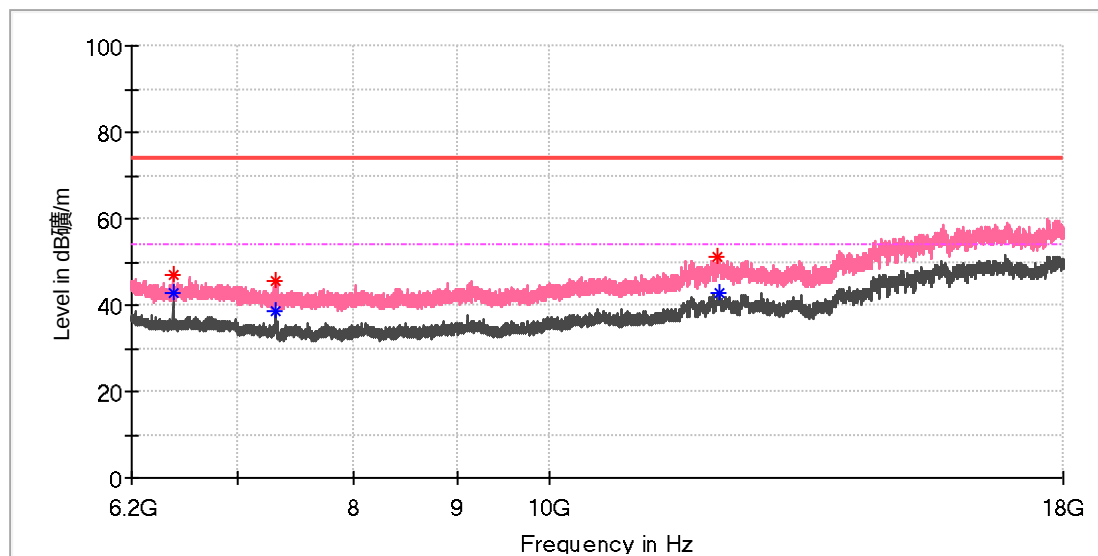
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.183333	43.88	---	74.00	30.12	150.0	H	142.0	8.2
7321.491667	---	35.87	54.00	18.13	150.0	H	200.0	8.2
12142.775000	---	42.65	54.00	11.35	150.0	H	223.0	16.5
12163.916667	50.43	---	74.00	23.57	150.0	H	120.0	16.0

Final_Result

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

EUT Information

EUT Name: 3D Printer
Model: AccuFab-F1
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168512050/A003859216-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

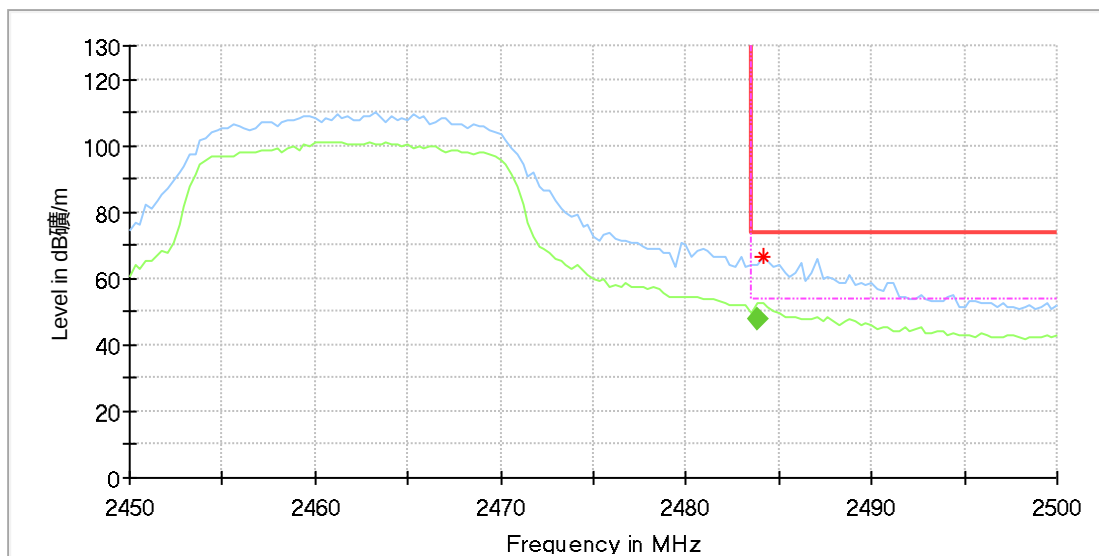
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6497.950000	46.93	---	74.00	27.07	150.0	V	187.0	8.8
6498.441667	---	42.80	54.00	11.20	150.0	V	187.0	8.8
7305.266667	45.35	---	74.00	28.65	150.0	V	164.0	8.3
7305.266667	---	38.53	54.00	15.47	150.0	V	164.0	8.3
12118.191667	51.17	---	74.00	22.83	150.0	V	210.0	15.9
12150.150000	---	42.88	54.00	11.12	150.0	V	299.0	16.7

Final Result

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

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

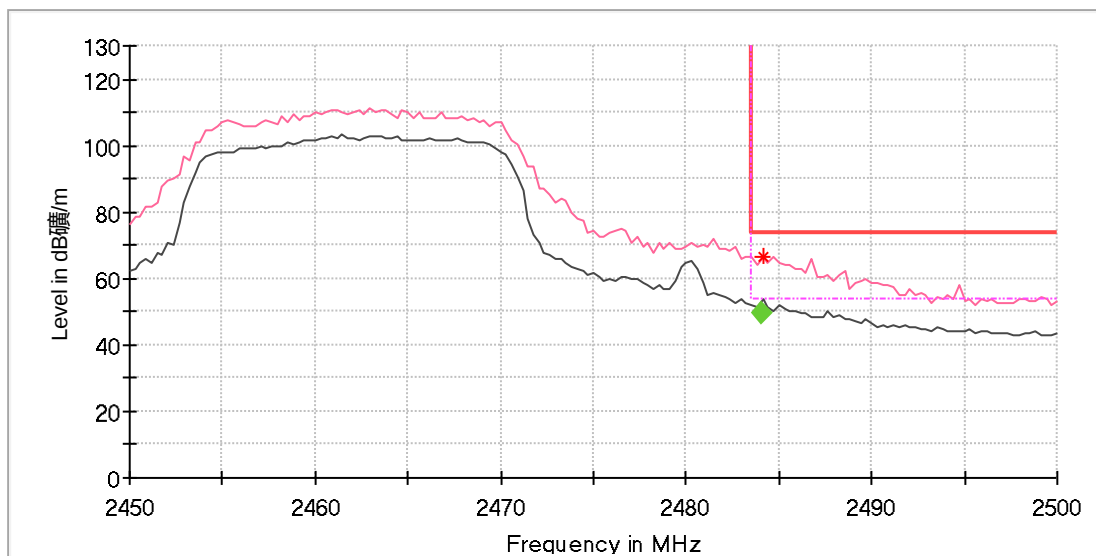
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	66.38	---	74.00	7.62	150.0	H	151.0	9.0

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	48.07	54.00	5.93	147.0	H	146.0	9.0

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

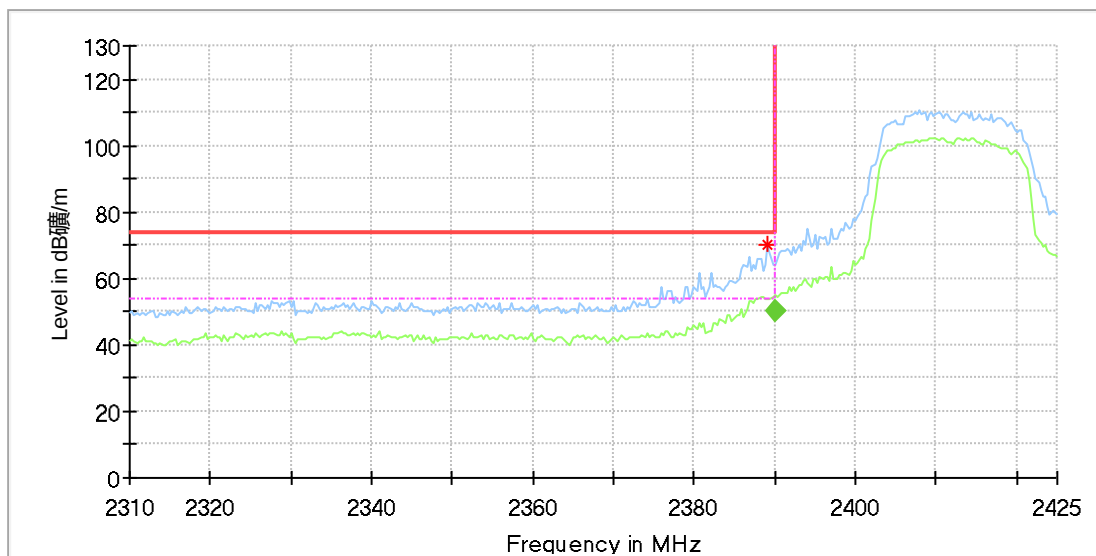
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	66.71	---	74.00	7.29	150.0	V	175.0	9.0

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.070294	49.35	54.00	4.65	151.0	V	173.0	9.0

EUT Information

EUT Name:	3D Printer
Model:	AccuFab-F1
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168512050/A003859216-001
Test Voltage::	120V/60Hz
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)
2389.117647	70.37	---	74.00	3.63	150.0	H	174.0	8.5

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	50.20	54.00	3.80	148.0	H	202.0	8.5

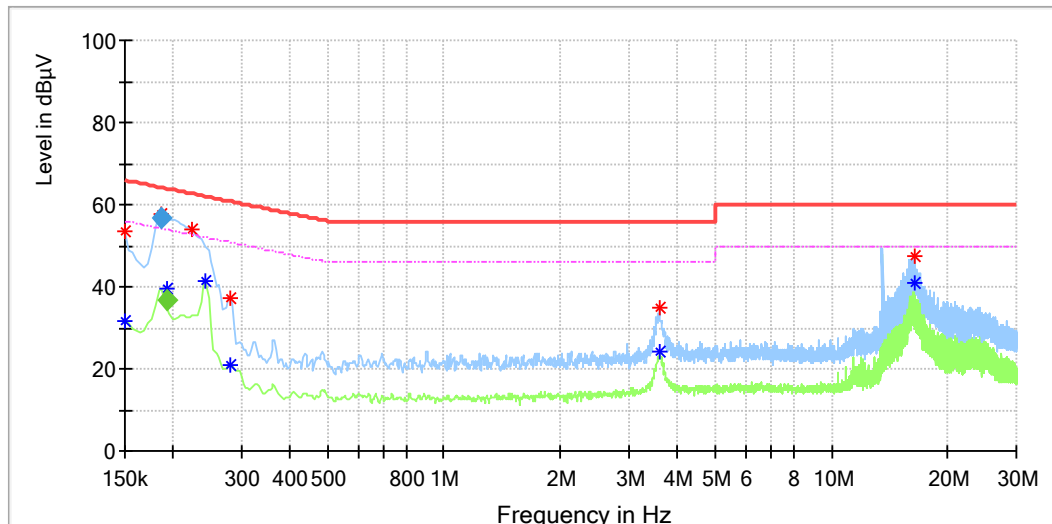
Co-location Mode (Wi-Fi+NFC)

It verified that there were no evident emissions found for simultaneous mode in Wi-Fi and NFC, thus no records listed.

Appendix B.2: Test Results of Conducted emissions of AC mains

EUT Information

EUT Name: 3D Printer
Order Number: 168512050 60
Model: AccuFab-F1
Test Mode: Wi-Fi Connecting+NFC
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15C
Test By./Review By: Dawn Shen /Shower Dai
Tem./Hum./Pressure: 24.0°C/51.4%/101kPa
Remark: SR3



Critical Freqs

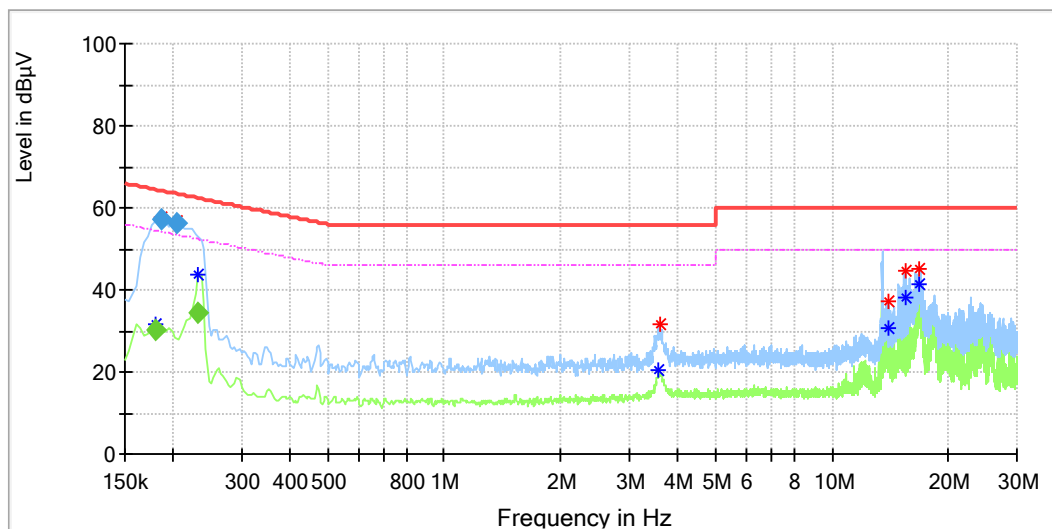
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	31.46	56.00	24.54	L1	9.8
0.150000	53.35	---	66.00	12.65	L1	9.8
0.187081	57.74	---	64.32	6.58	L1	9.8
0.191812	---	39.39	54.16	14.76	L1	9.8
0.224625	53.97	---	62.65	8.68	L1	9.8
0.243281	---	41.18	51.98	10.81	L1	9.8
0.280594	---	21.06	50.80	29.74	L1	9.8
0.280594	37.39	---	60.80	23.41	L1	9.8
3.593944	---	24.25	46.00	21.75	L1	10.1
3.597675	34.96	---	56.00	21.04	L1	10.1
16.377206	---	40.72	50.00	9.28	L1	10.2
16.377206	47.28	---	60.00	12.72	L1	10.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.187081	56.54	---	64.17	7.62	1000.0	9.000	L1	9.8
0.191812	---	36.83	53.96	17.13	1000.0	9.000	L1	9.8

EUT Information

EUT Name: 3D Printer
Order Number: 168512050 60
Model: AccuFab-F1
Test Mode: Wi-Fi Connecting+NFC
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15C
Test By:/Review By: Dawn Shen /Shower Dai
Tem./Hum./Pressure: 24.0°C/51.4%/101kPa
Remark: SR3



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.186000	57.71	---	64.32	6.61	N	9.7
0.203625	56.70	---	62.65	5.95	N	9.7
0.179000	---	31.55	55.40	23.86	N	9.7
0.232000	---	43.88	52.38	8.50	N	9.7
3.579019	---	20.25	46.00	25.75	N	9.8
3.593944	31.41	---	56.00	24.59	N	9.8
13.955625	---	30.78	50.00	19.22	N	9.9
13.955625	37.18	---	60.00	22.82	N	9.9
15.455588	---	38.33	50.00	11.67	N	9.9
15.455588	44.62	---	60.00	15.38	N	9.9
16.761525	45.15	---	60.00	14.85	N	10.0
16.761525	---	41.40	50.00	8.60	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.186000	57.30	---	64.21	6.91	1000.0	9.000	N	9.7
0.203625	56.28	---	63.46	7.18	1000.0	9.000	N	9.7
0.179000	---	30.05	53.36	23.31	1000.0	9.000	N	9.7
0.232000	---	34.25	53.32	19.07	1000.0	9.000	N	9.7