

Appendix A: Test Results of 2.4GHz Wi-Fi

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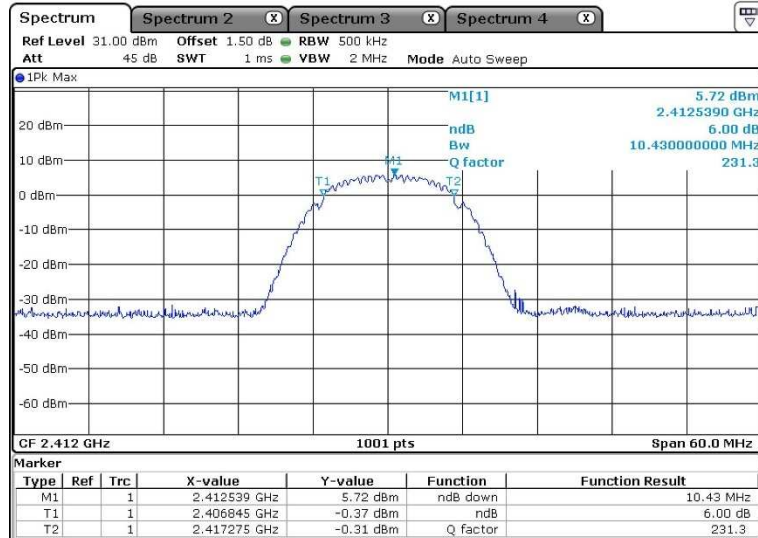
Appendix A.1: Test Results of 6dB Bandwidth

Test Result

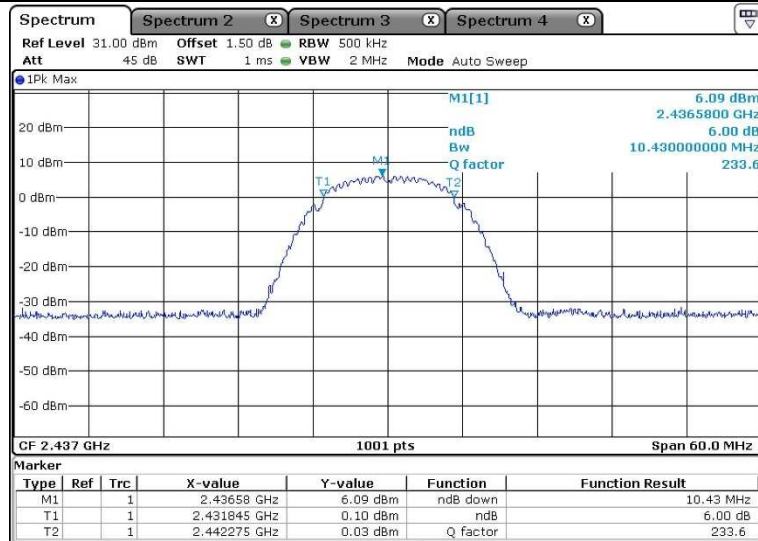
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.43	2406.845	2417.275	0.5	PASS
		2437	10.43	2431.845	2442.275	0.5	PASS
		2462	10.43	2456.845	2467.275	0.5	PASS
11G	Ant1	2412	14.685	2404.867	2419.552	0.5	PASS
		2437	14.565	2430.047	2444.612	0.5	PASS
		2462	14.745	2454.927	2469.672	0.5	PASS
11N20SISO	Ant1	2412	13.007	2405.467	2418.474	0.5	PASS
		2437	13.966	2430.407	2444.373	0.5	PASS
		2462	13.367	2455.467	2468.833	0.5	PASS
11N40SISO	Ant1	2422	26.87	2409.42	2436.29	0.5	PASS
		2437	24.252	2425.72	2449.972	0.5	PASS
		2452	24.324	2440.417	2464.741	0.5	PASS

Test Graphs

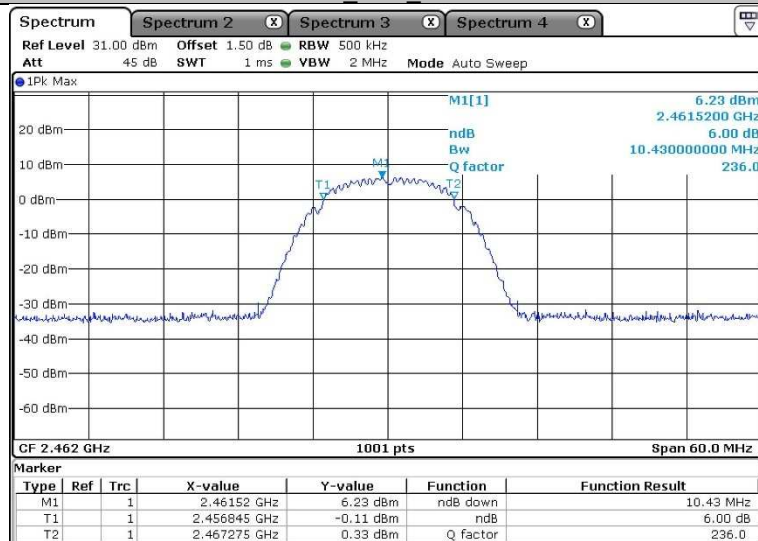
11B Ant1 2412



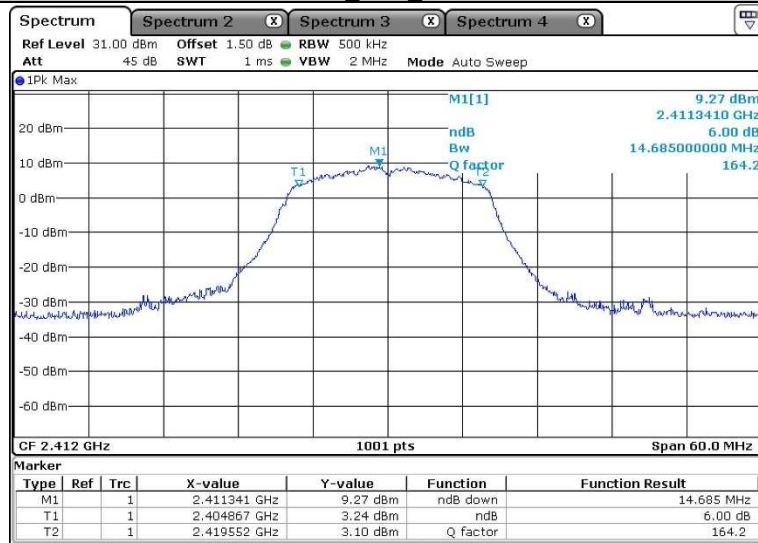
11B Ant1 2437



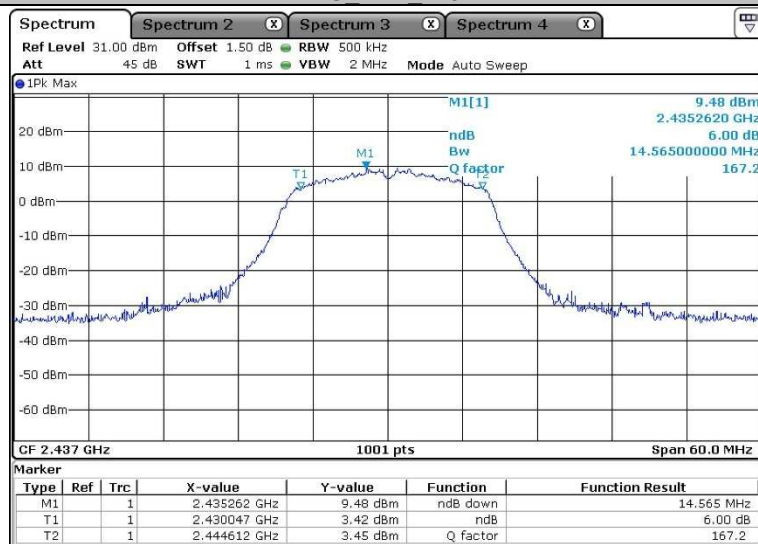
11B Ant1 2462



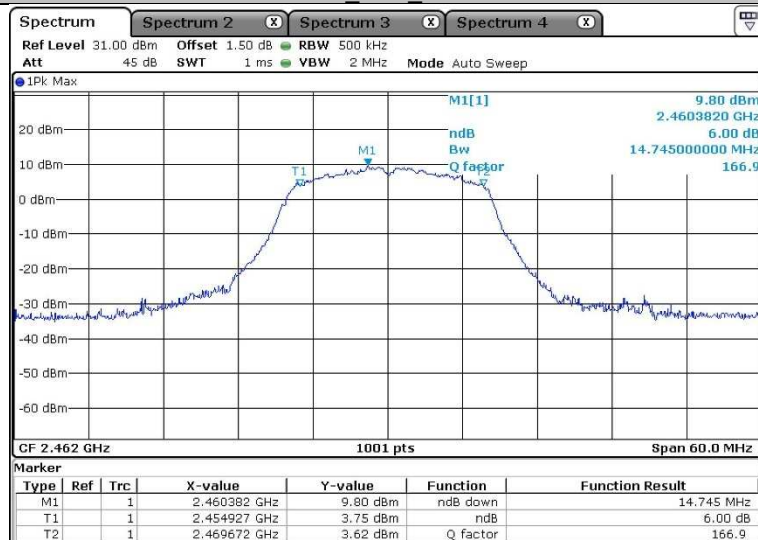
11G Ant1 2412



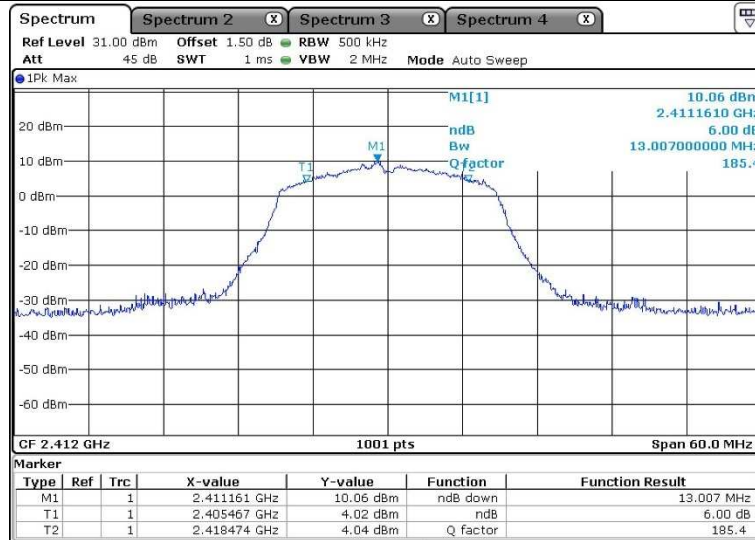
11G Ant1 2437



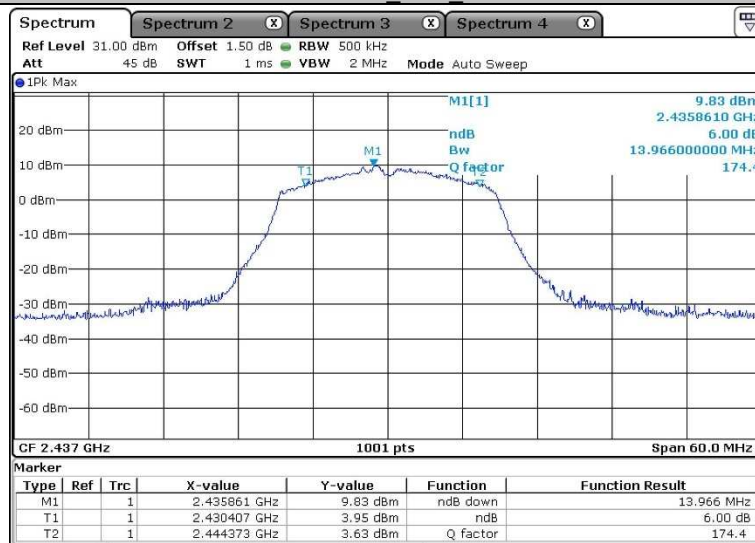
11G Ant1 2462



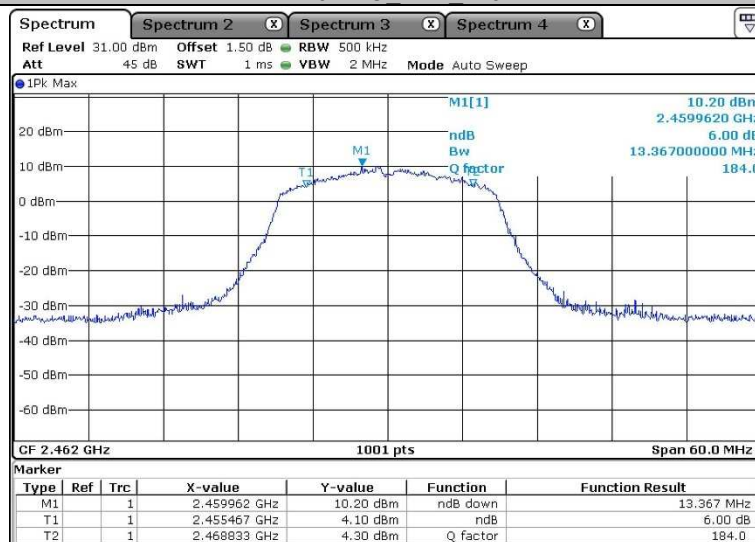
11N20SISO Ant1 2412



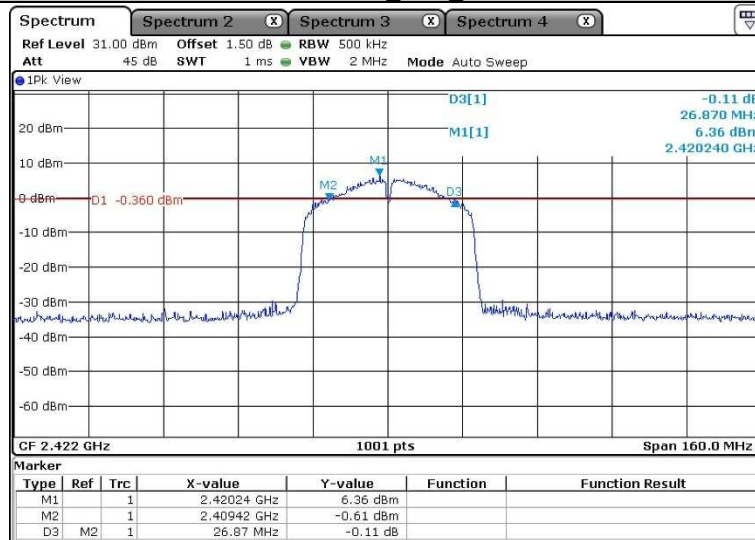
11N20SISO Ant1 2437



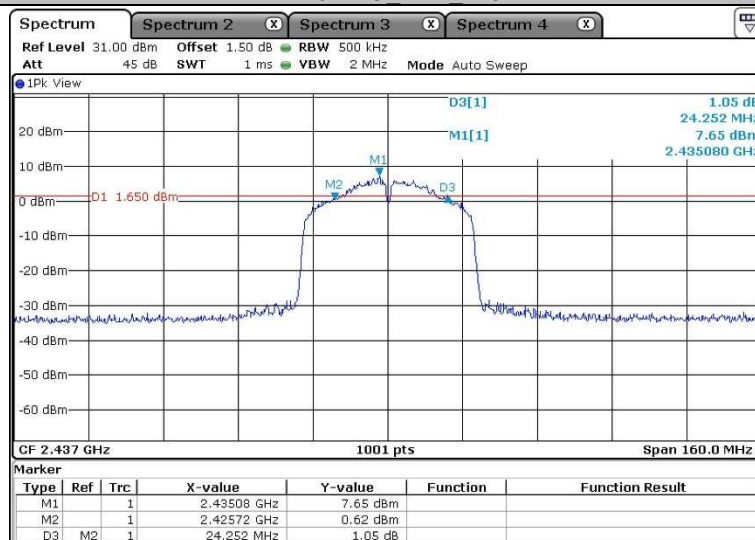
11N20SISO Ant1 2462



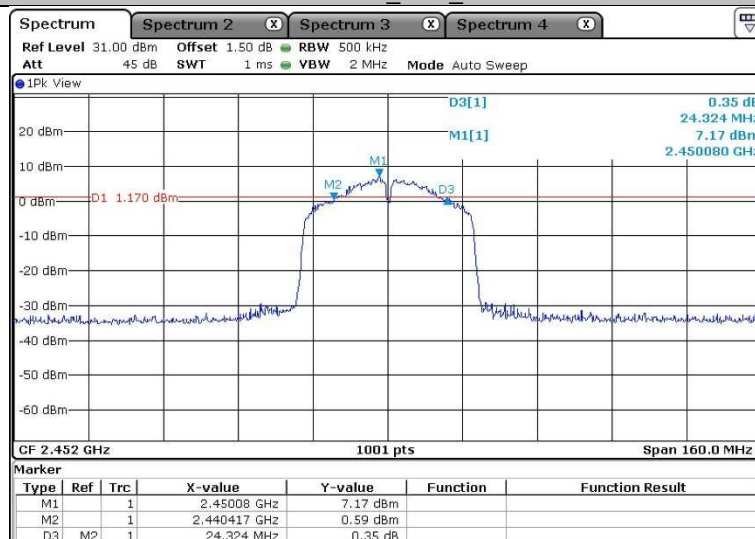
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



Appendix A.2: Test Results of 99% Bandwidth

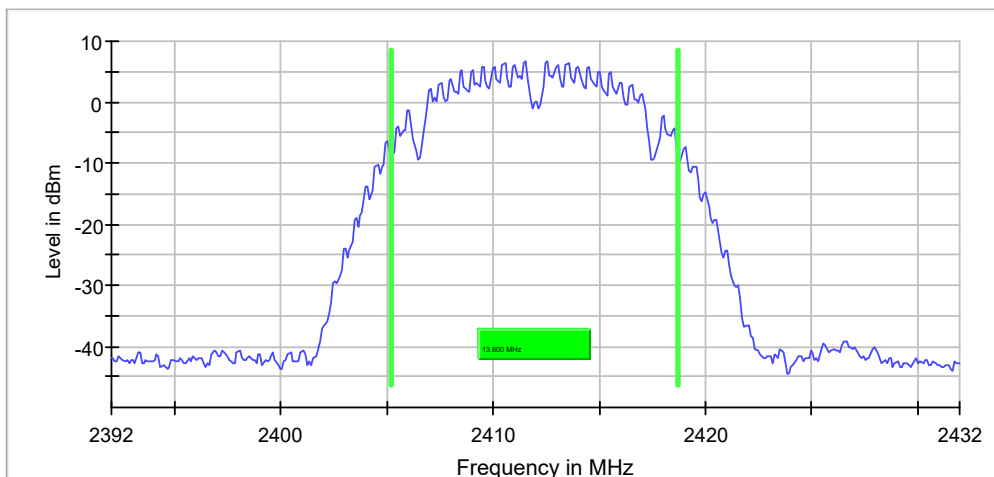
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.60	2405.15	2418.75	---	PASS
		2437	13.60	2430.25	2443.85	---	PASS
		2462	13.50	2455.35	2468.85	---	PASS
11G	Ant1	2412	16.30	2403.85	2420.15	---	PASS
		2437	16.30	2428.85	2445.15	---	PASS
		2462	16.20	2453.95	2470.15	---	PASS
11N20SISO	Ant1	2412	17.30	2403.35	2420.65	---	PASS
		2437	17.30	2428.35	2445.65	---	PASS
		2462	17.30	2453.35	2470.65	---	PASS
11N40SISO	Ant1	2422	34.25	2404.875	2439.125	---	PASS
		2437	34.50	2419.875	2454.375	---	PASS
		2452	34.50	2434.875	2469.375	---	PASS

Test Graphs

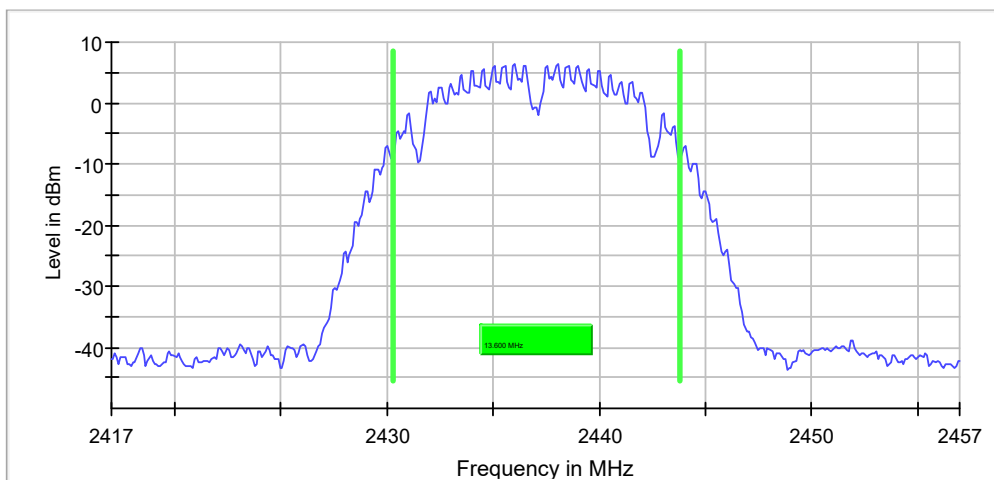
11B_Ant1_2412

99 % Bandwidth



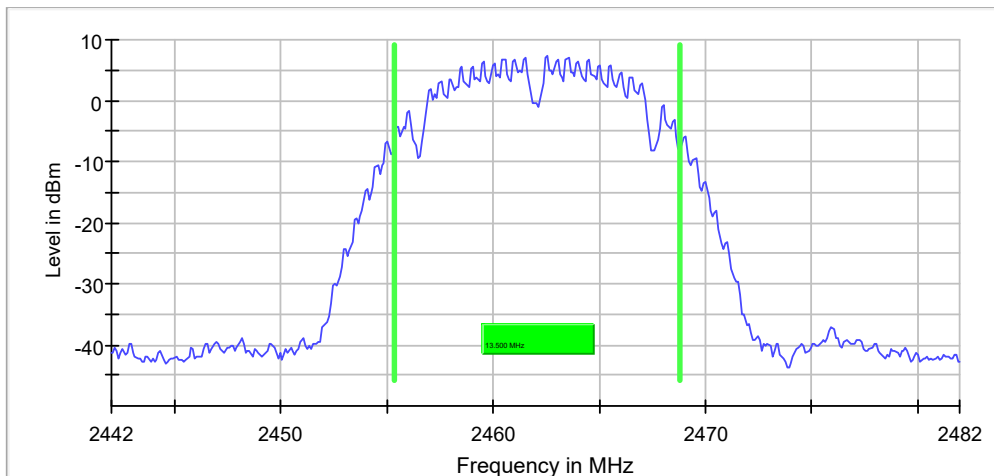
11B_Ant1_2437

99 % Bandwidth



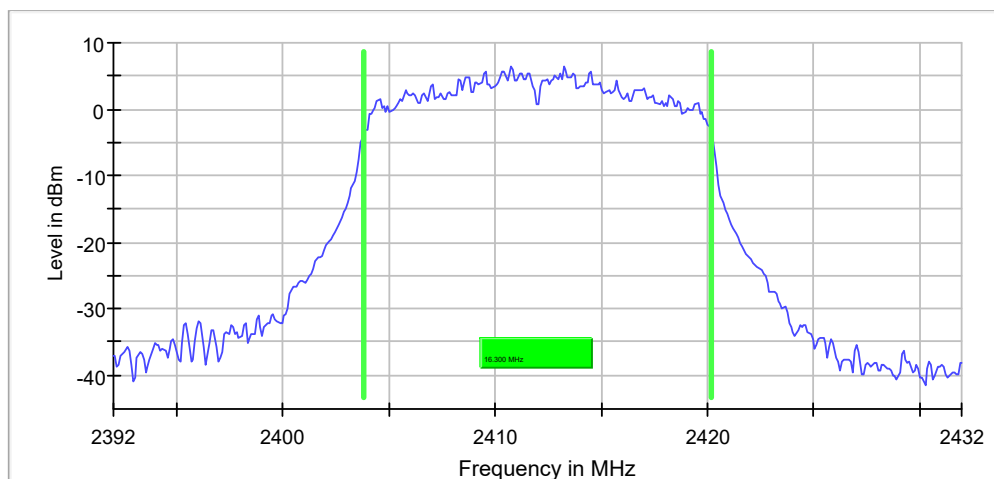
11B_Ant1_2462

99 % Bandwidth



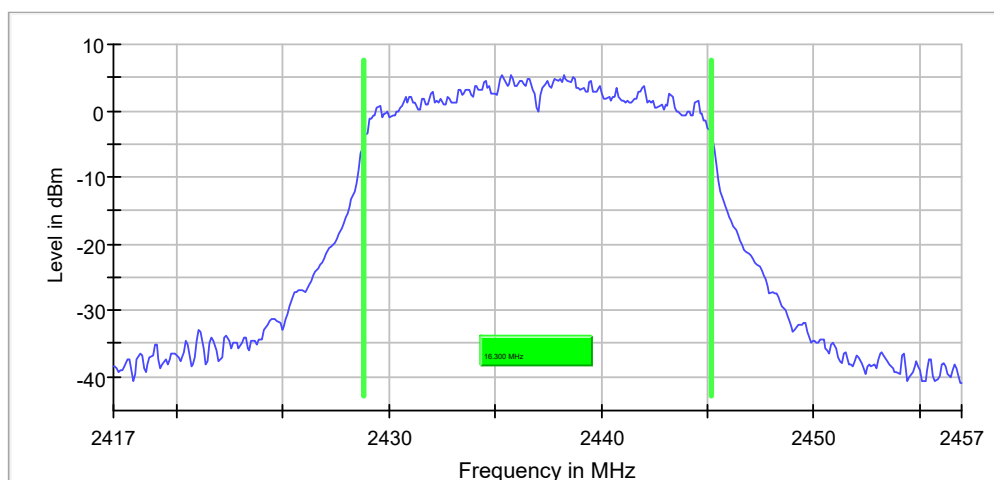
11G_Ant1_2412

99 % Bandwidth



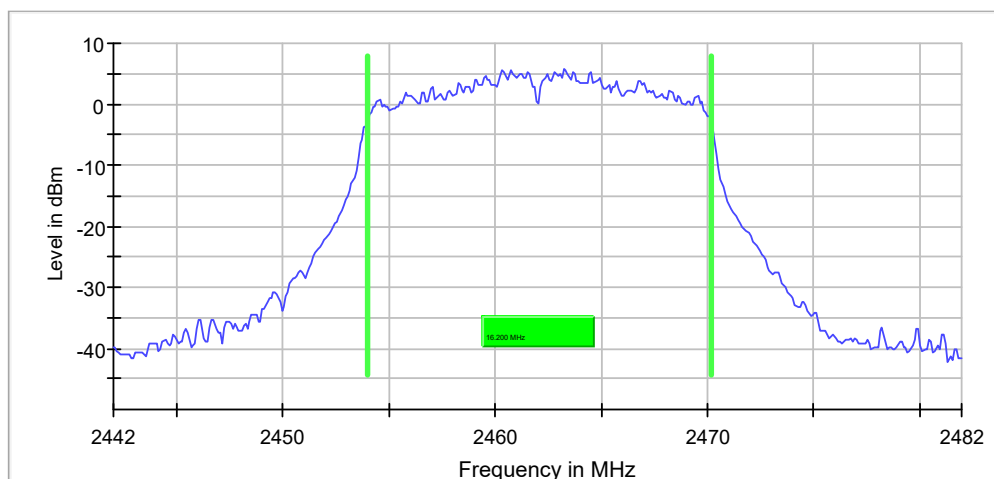
11G_Ant1_2437

99 % Bandwidth



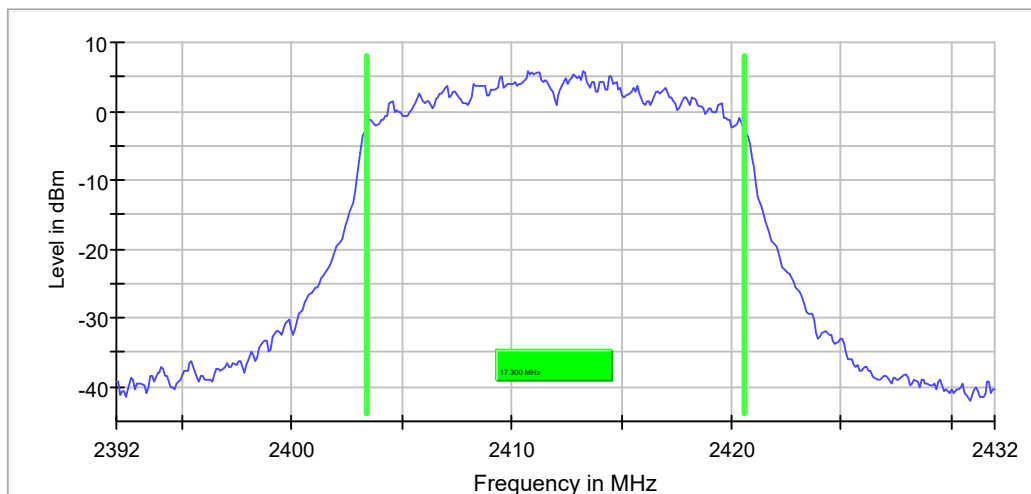
11G_Ant1_2462

99 % Bandwidth



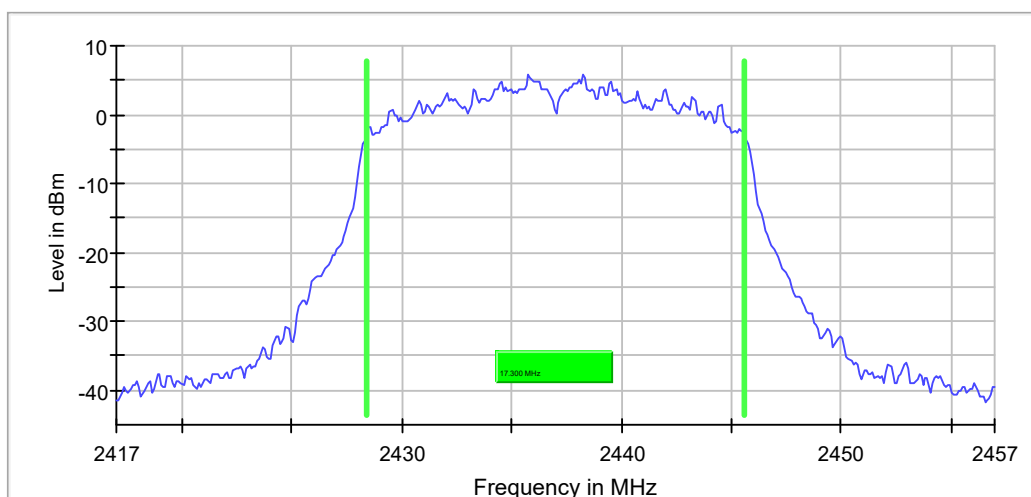
11N20SISO_Ant1_2412

99 % Bandwidth



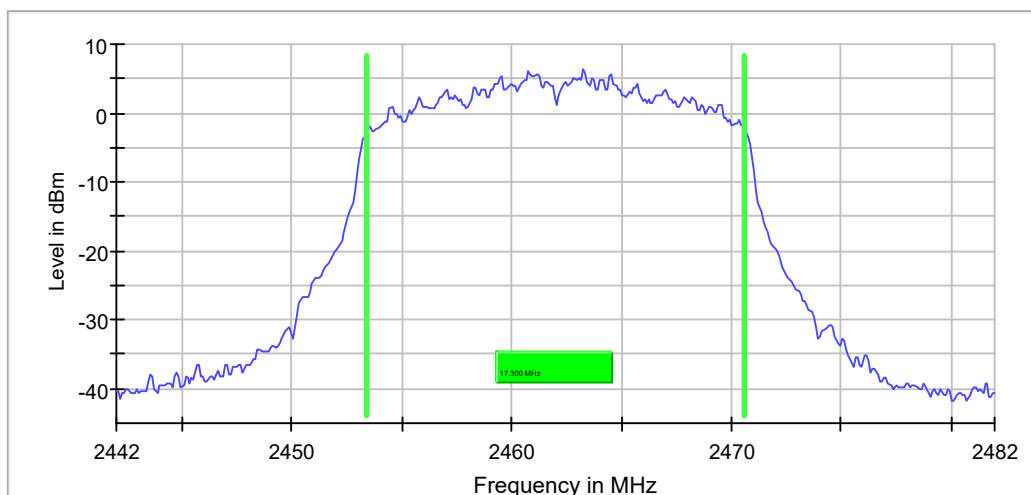
11N20SISO_Ant1_2437

99 % Bandwidth



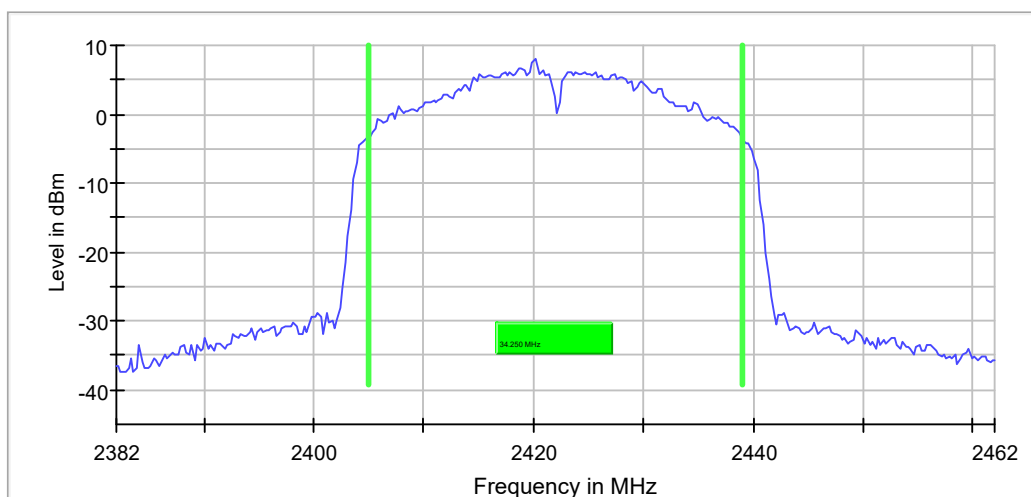
11N20SISO_Ant1_2462

99 % Bandwidth



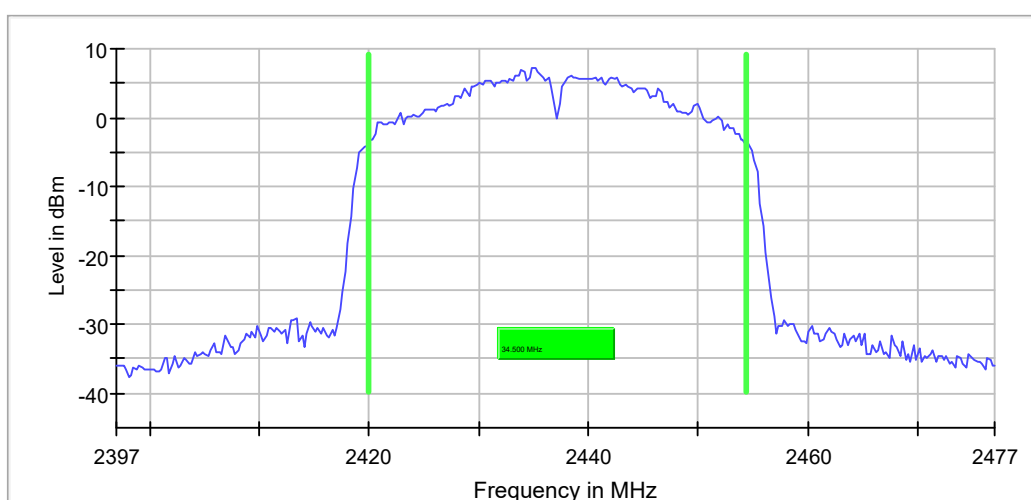
11N40SISO_Ant1_2422

99 % Bandwidth



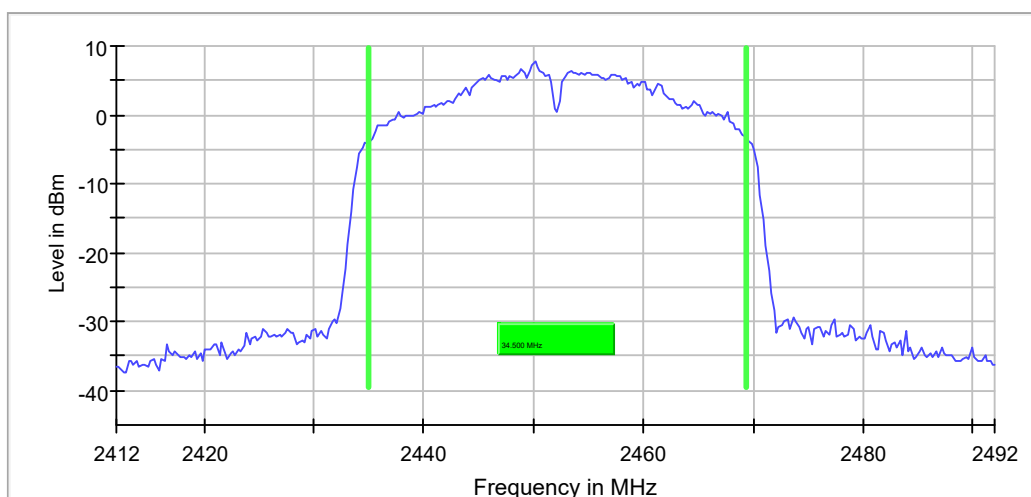
11N40SISO_Ant1_2437

99 % Bandwidth



11N40SISO_Ant1_2452

99 % Bandwidth



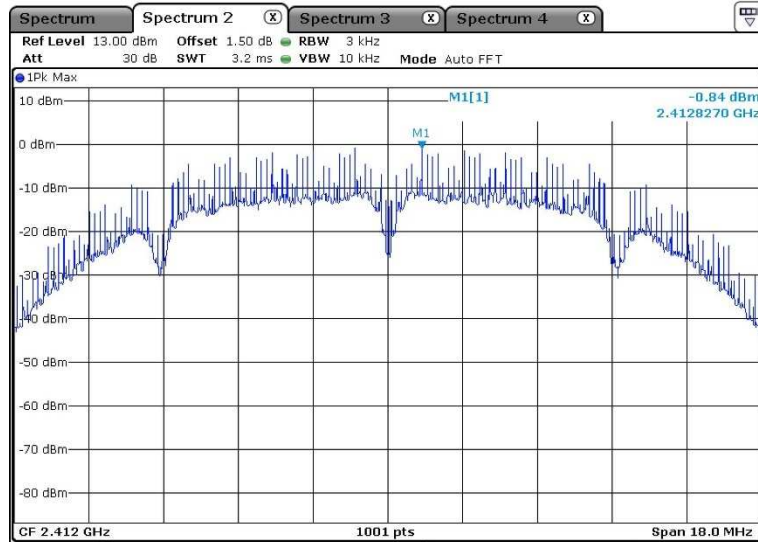
Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

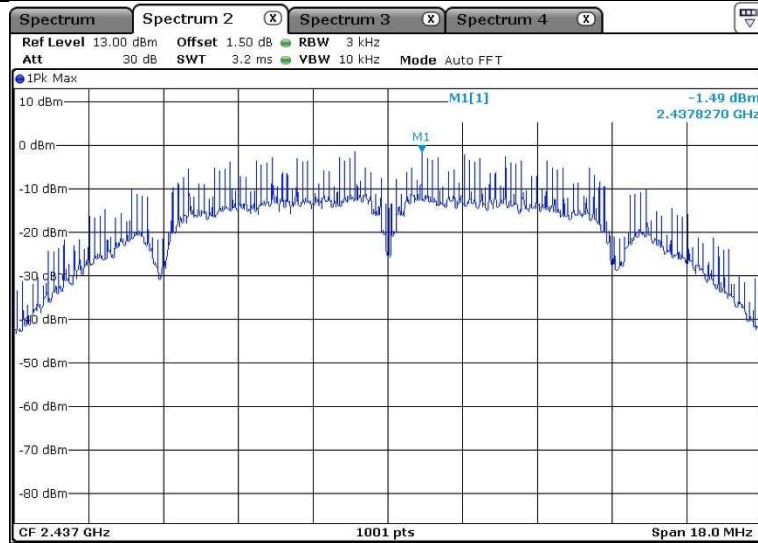
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-0.84	≤8.00	PASS
		2437	-1.49	≤8.00	PASS
		2462	-1.07	≤8.00	PASS
11G	Ant1	2412	-12.79	≤8.00	PASS
		2437	-12.73	≤8.00	PASS
		2462	-11.92	≤8.00	PASS
11N20SISO	Ant1	2412	-12.02	≤8.00	PASS
		2437	-11.64	≤8.00	PASS
		2462	-11.55	≤8.00	PASS
11N40SISO	Ant1	2422	-13.78	≤8.00	PASS
		2437	-13.26	≤8.00	PASS
		2452	-13.03	≤8.00	PASS

Test Graphs

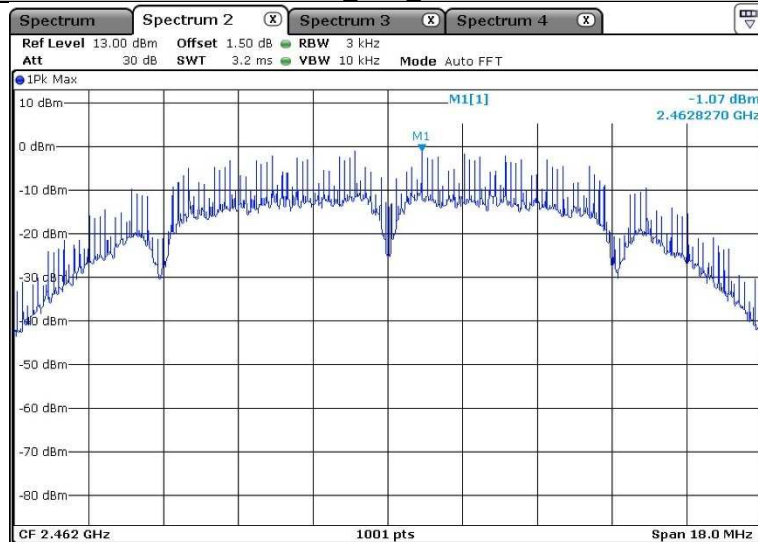
11B_Ant1_2412



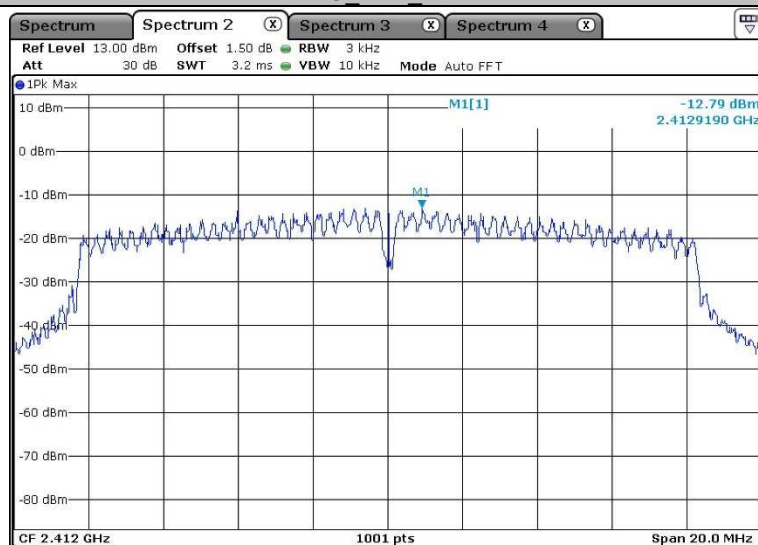
11B_Ant1_2437



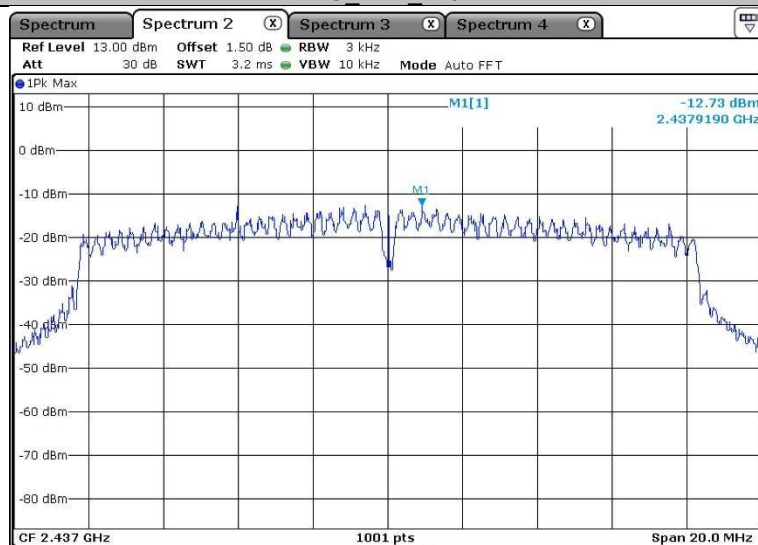
11B_Ant1_2462



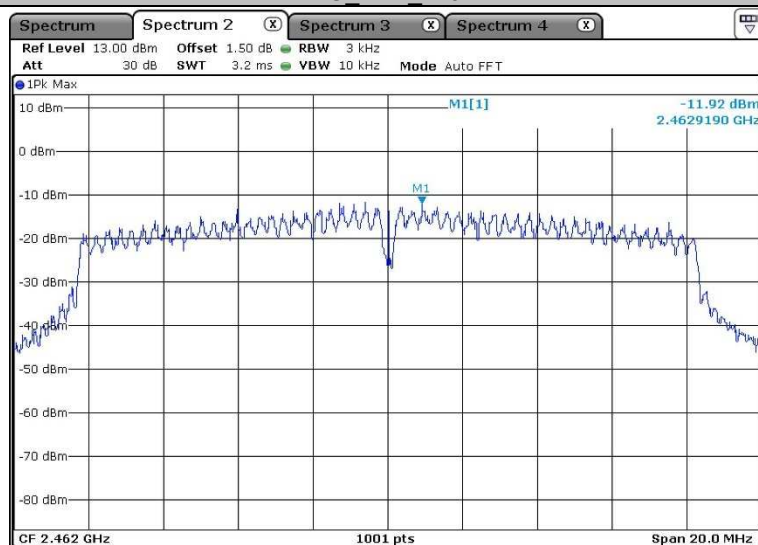
11G_Ant1_2412



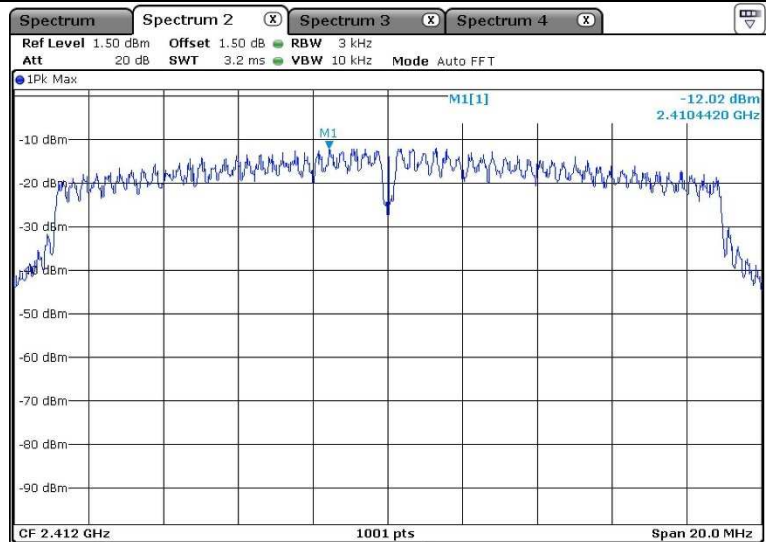
11G_Ant1_2437



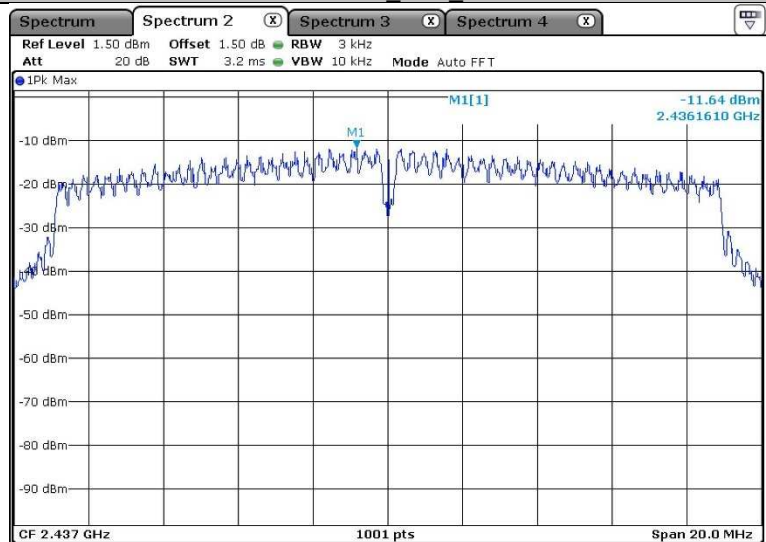
11G_Ant1_2462



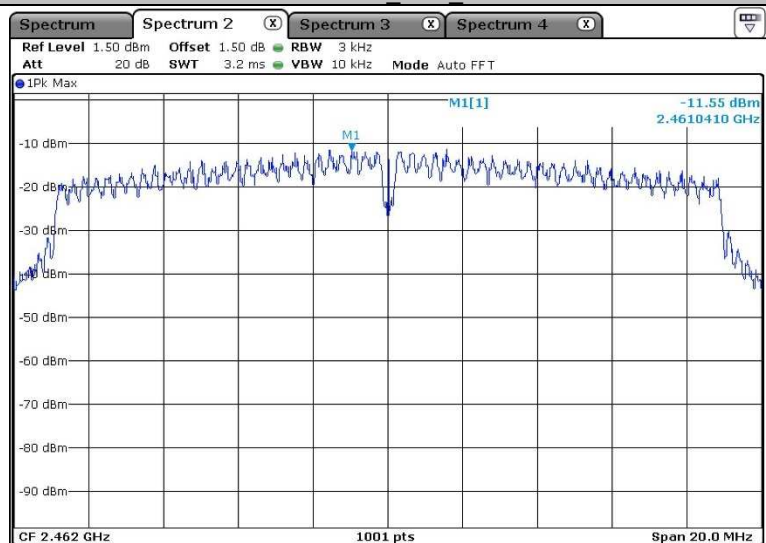
11N20SISO Ant1 2412



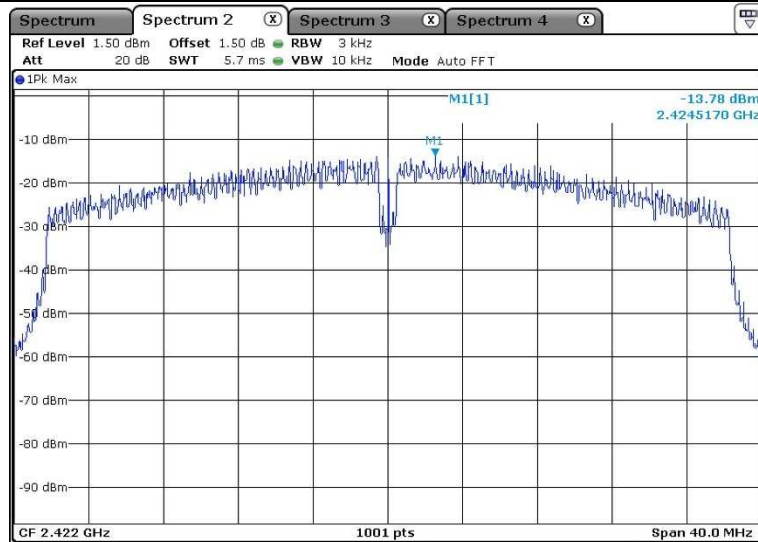
11N20SISO Ant1 2437



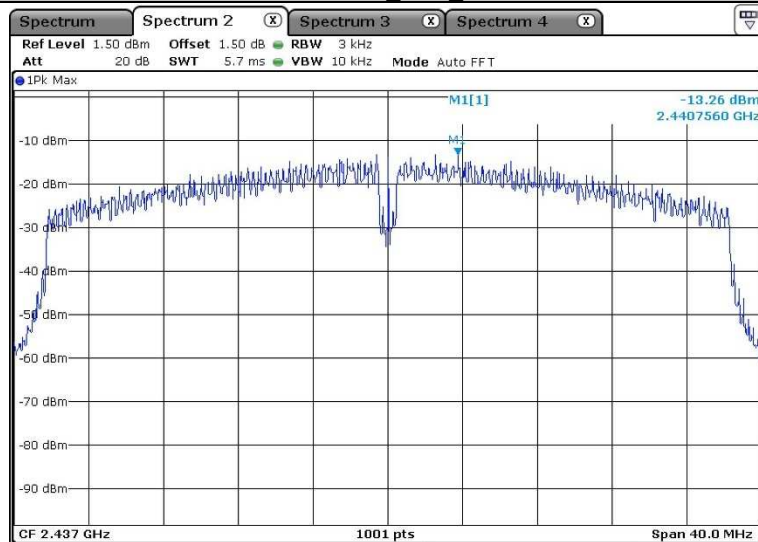
11N20SISO Ant1 2462



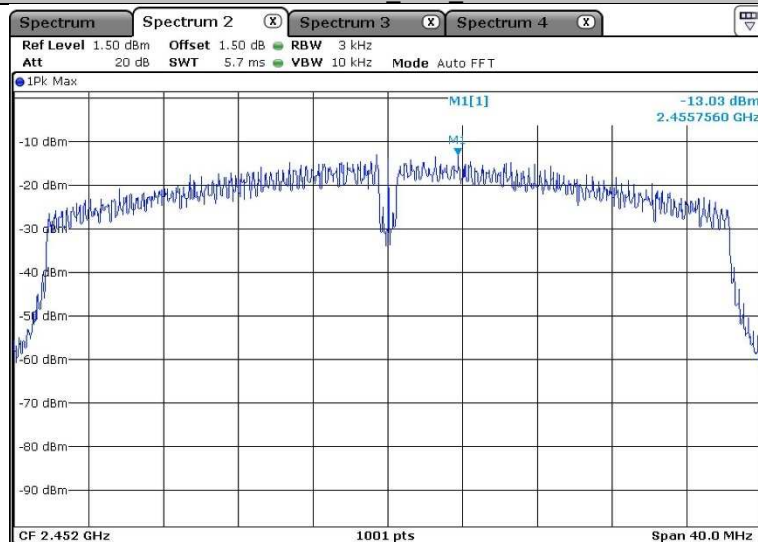
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



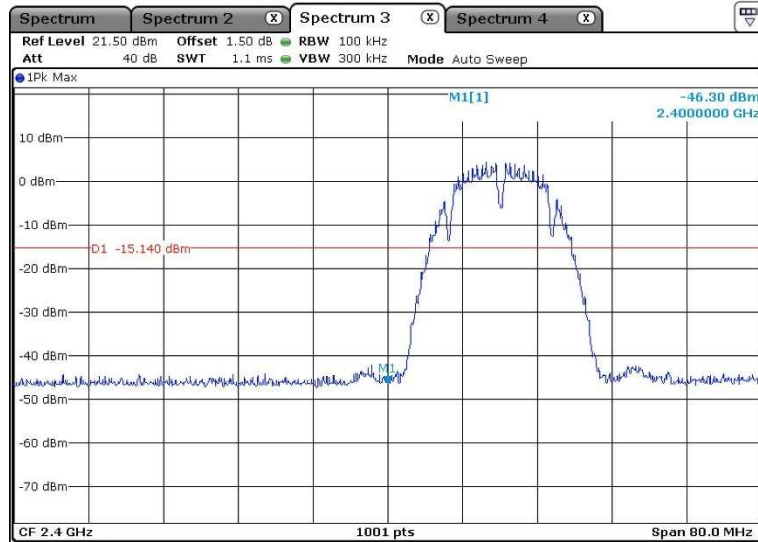
Appendix A.4: Test Results of Band Edge Measurements

Test Result

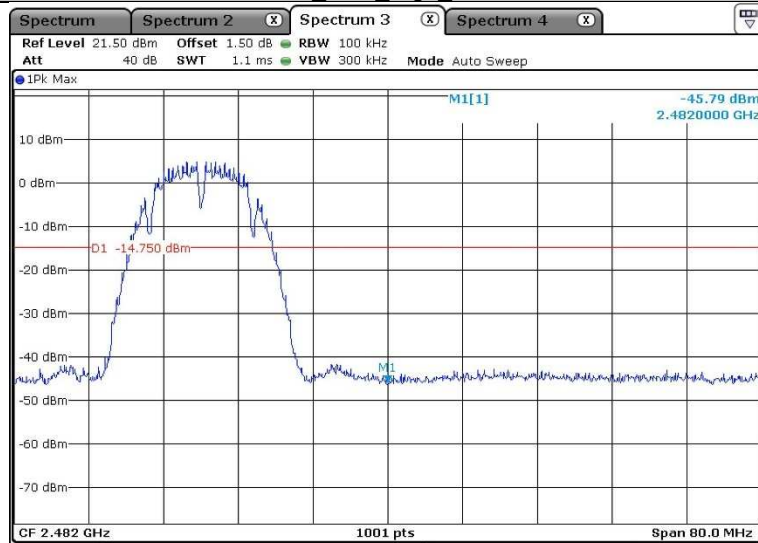
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.86	-46.30	≤-15.14	PASS
		High	2462	5.25	-45.79	≤-14.75	PASS
11G	Ant1	Low	2412	2.25	-37.79	≤-17.75	PASS
		High	2462	4.49	-45.11	≤-15.51	PASS
11N20SISO	Ant1	Low	2412	4.34	-37.73	≤-15.66	PASS
		High	2462	4.30	-46.33	≤-15.70	PASS
11N40SISO	Ant1	Low	2422	2.53	-44.69	≤-17.47	PASS
		High	2452	1.88	-45.86	≤-18.12	PASS

Test Graphs

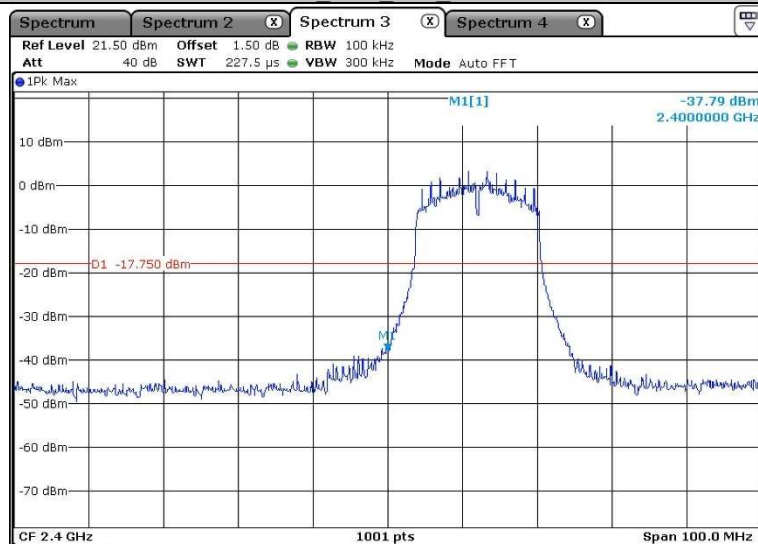
11B_Ant1_Low_2412



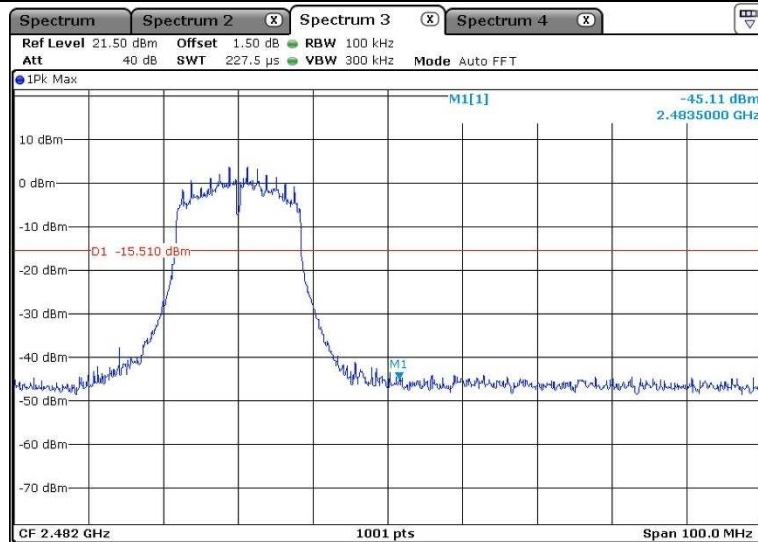
11B_Ant1_High_2462



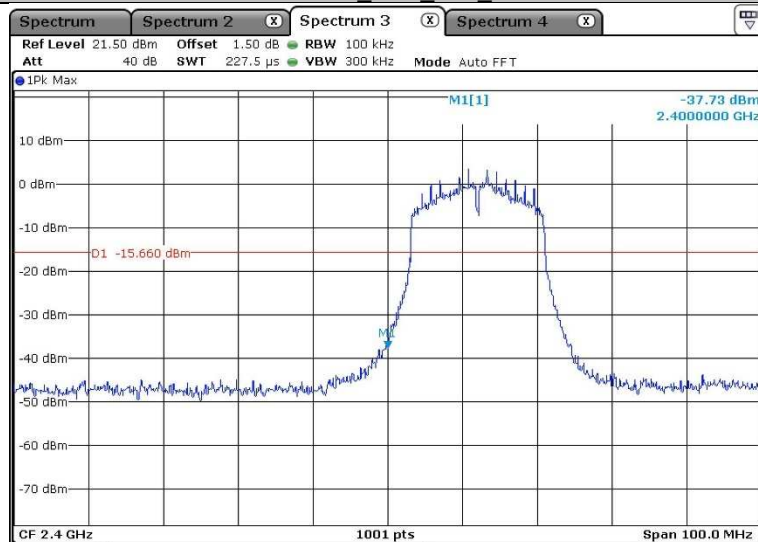
11G_Ant1_Low_2412



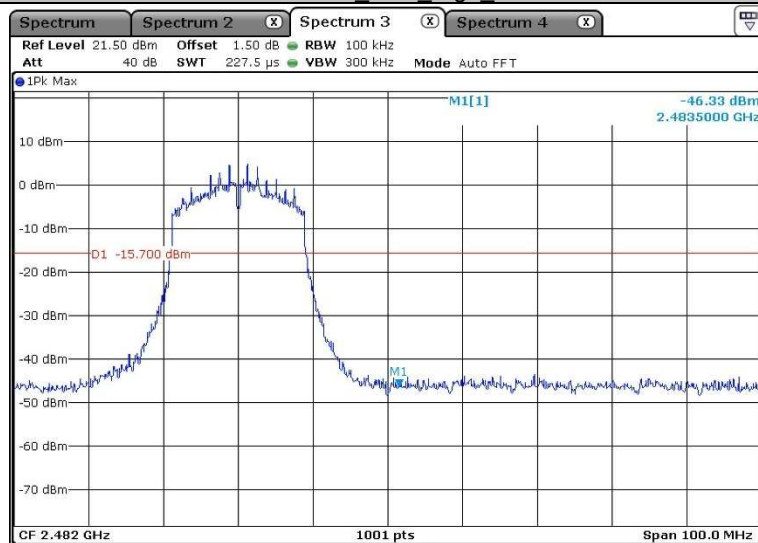
11G_Ant1_High_2462



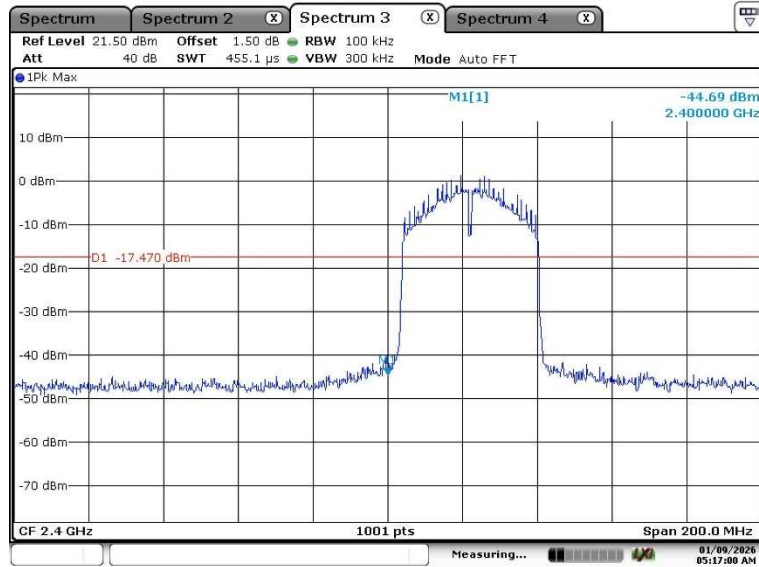
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462

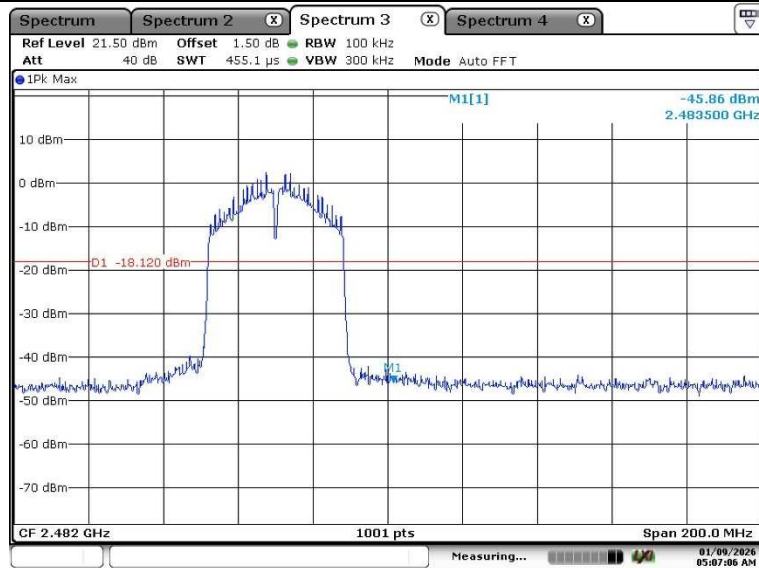


11N40SISO Ant1 Low 2422



Date: 9.JAN.2026 05:17:00

11N40SISO Ant1 High 2452



Date: 9.JAN.2026 05:07:06

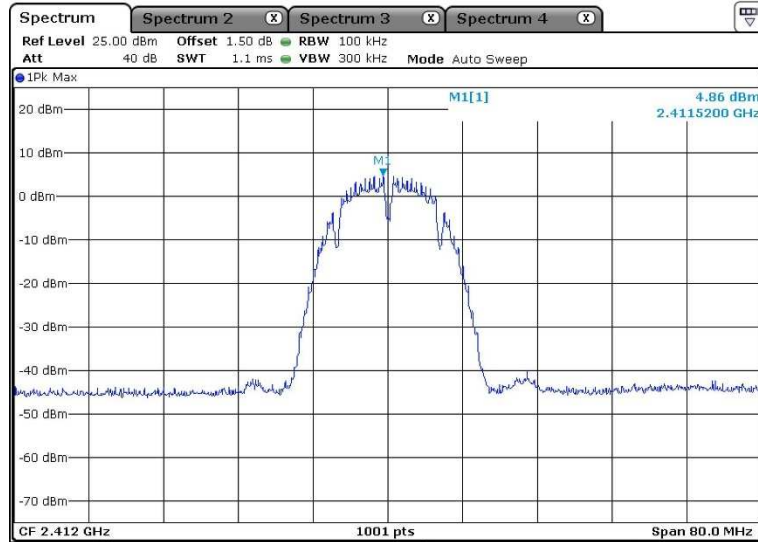
Appendix A.5: Test Results of Conducted Spurious Emissions

Test Result

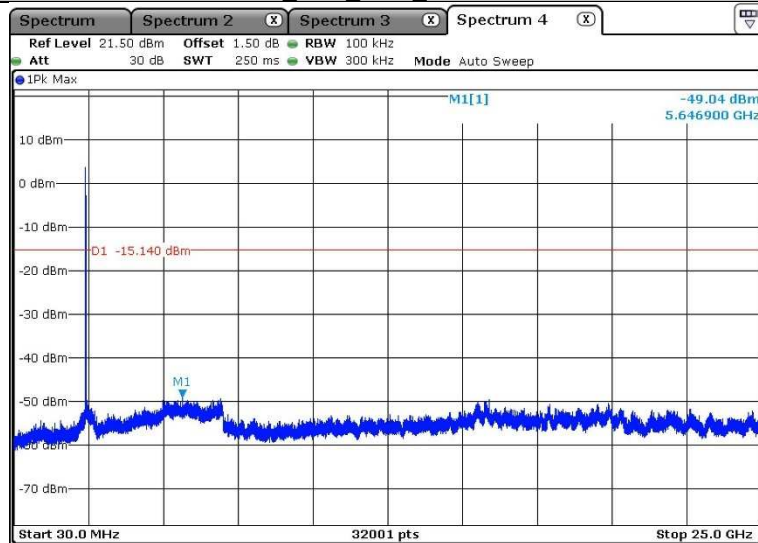
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.86	4.86	---	PASS
			30~26500	4.86	-49.04	≤-15.14	PASS
		2437	Reference	4.84	4.84	---	PASS
			30~26500	4.84	-49.34	≤-15.16	PASS
		2462	Reference	5.25	5.25	---	PASS
			30~26500	5.25	-48.70	≤-14.75	PASS
11G	Ant1	2412	Reference	2.25	2.25	---	PASS
			30~26500	2.25	-48.89	≤-17.75	PASS
		2437	Reference	4.23	4.23	---	PASS
			30~26500	4.23	-48.93	≤-15.77	PASS
		2462	Reference	4.49	4.49	---	PASS
			30~26500	4.49	-54.87	≤-15.51	PASS
11N20SISO	Ant1	2412	Reference	4.34	4.34	---	PASS
			30~26500	4.34	-48.95	≤-15.66	PASS
		2437	Reference	3.83	3.83	---	PASS
			30~26500	3.83	-48.65	≤-16.17	PASS
		2462	Reference	4.30	4.30	---	PASS
			30~26500	4.30	-48.84	≤-15.70	PASS
11N40SISO	Ant1	2422	Reference	2.53	2.53	---	PASS
			30~26500	2.53	-48.17	≤-17.47	PASS
		2437	Reference	2.40	2.40	---	PASS
			30~26500	2.40	-49.35	≤-17.60	PASS
		2452	Reference	1.88	1.88	---	PASS
			30~26500	1.88	-48.91	≤-18.12	PASS

Test Graphs

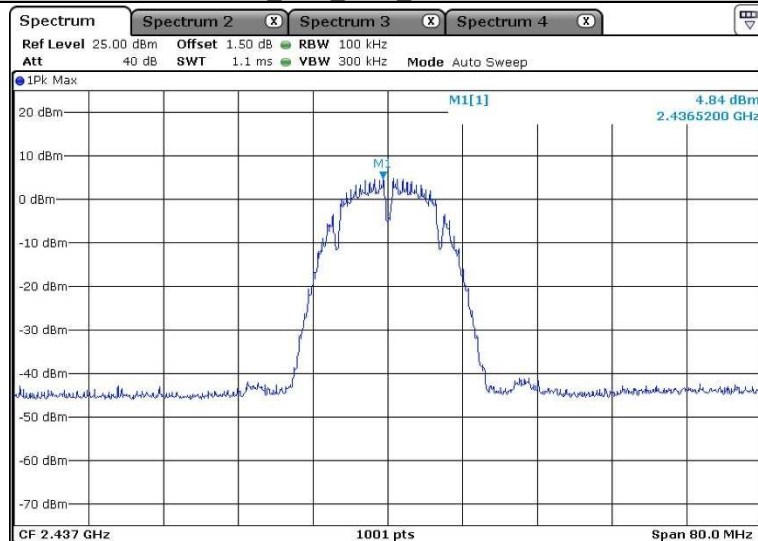
11B_Ant1_2412_0~Reference



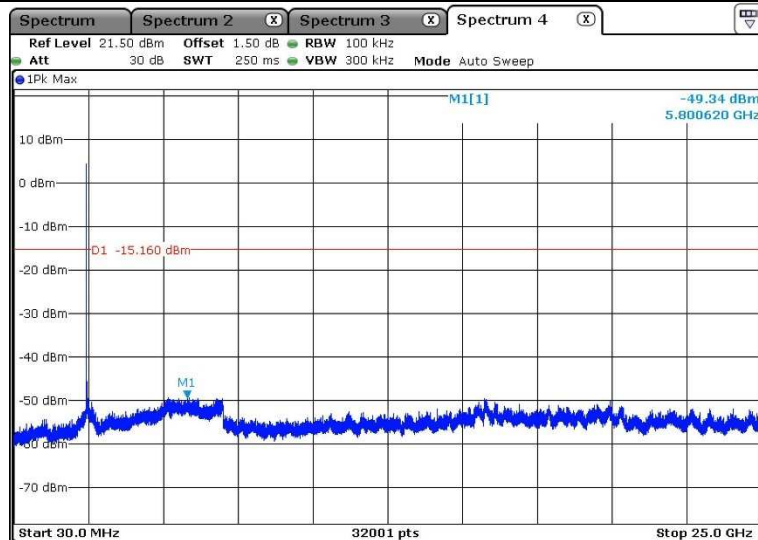
11B_Ant1_2412_30~26500



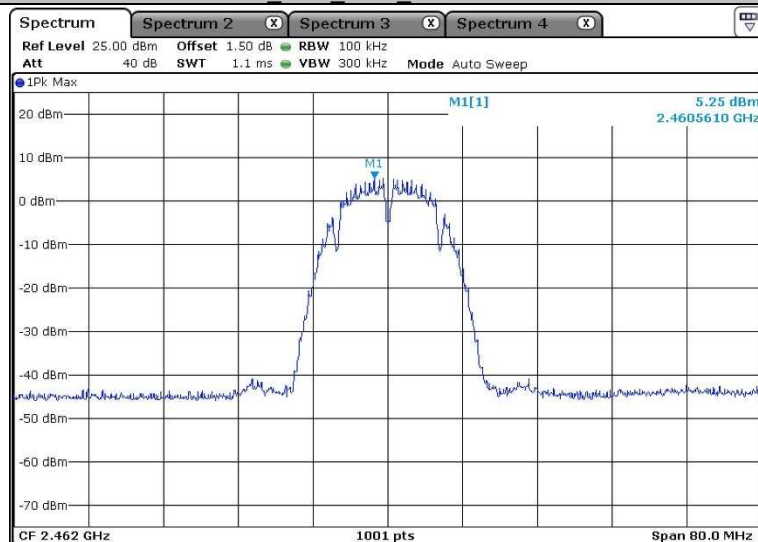
11B_Ant1_2437_0~Reference



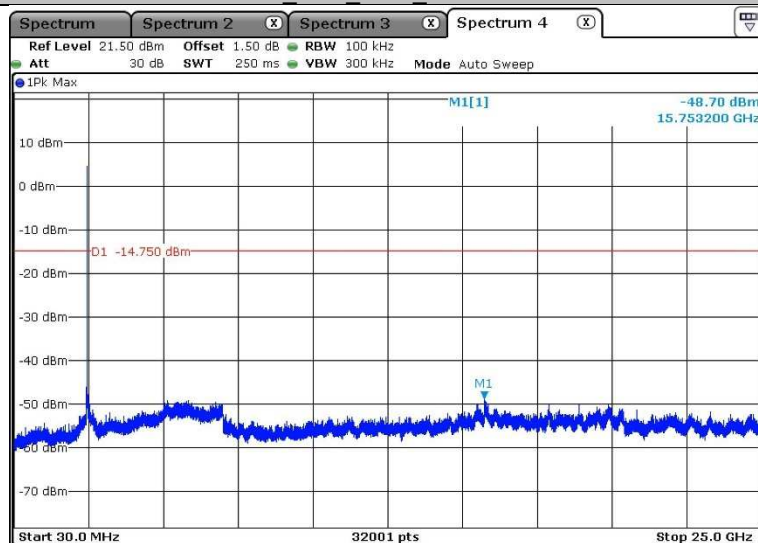
11B_Ant1_2437_30~26500



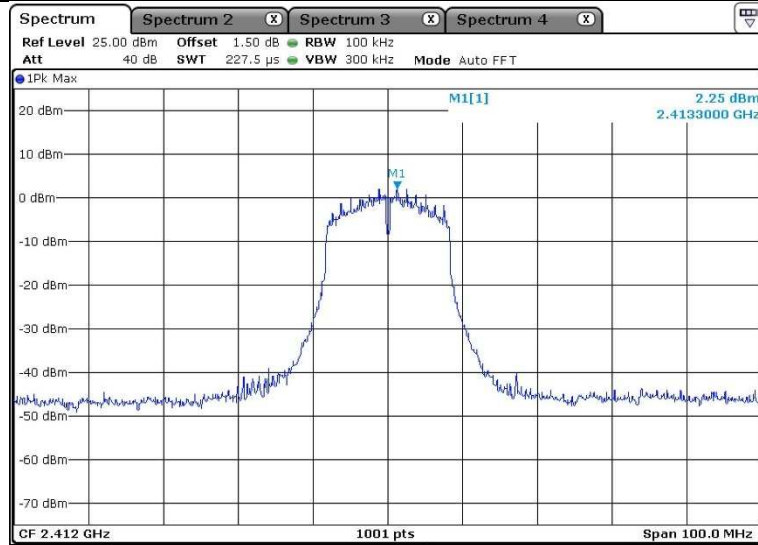
11B_Ant1_2462_0~Reference



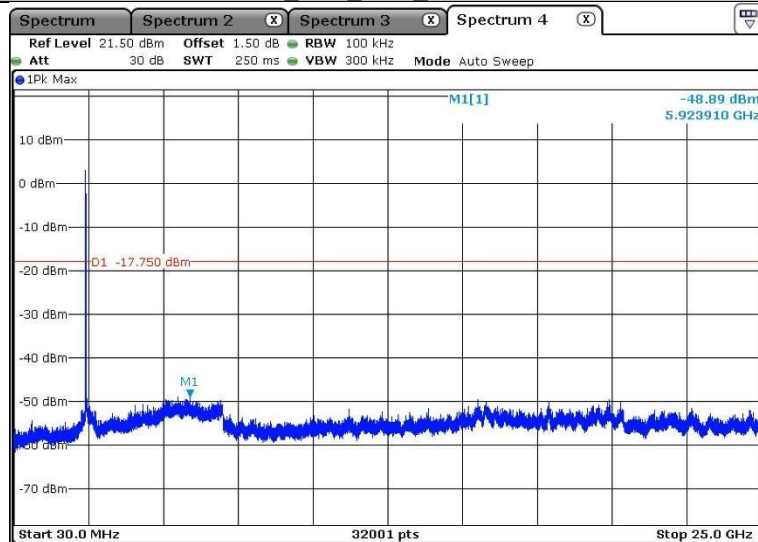
11B_Ant1_2462_30~26500



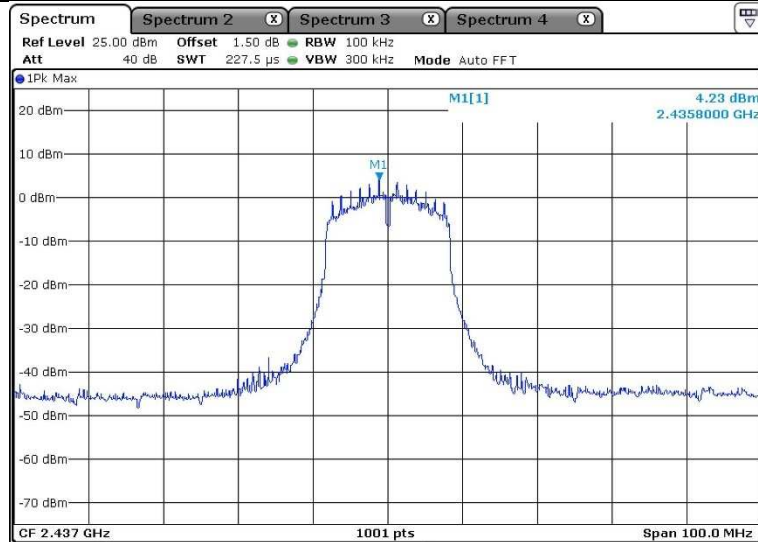
11G_Ant1_2412_0~Reference



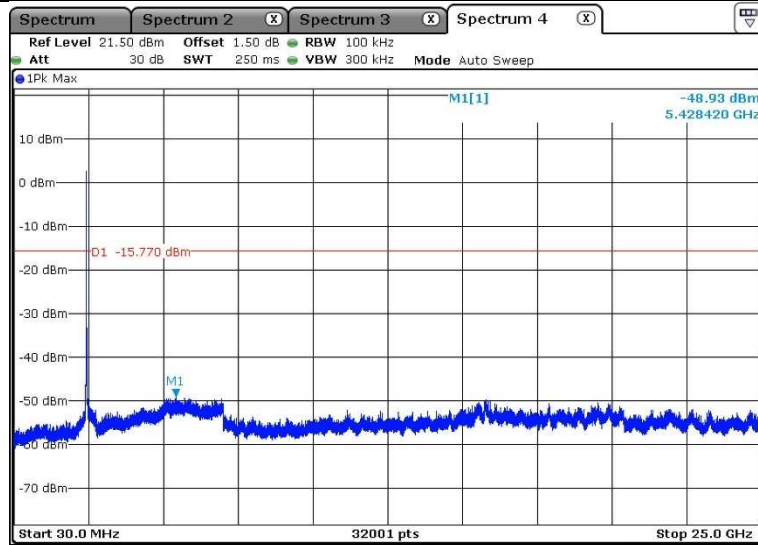
11G_Ant1_2412_30~26500



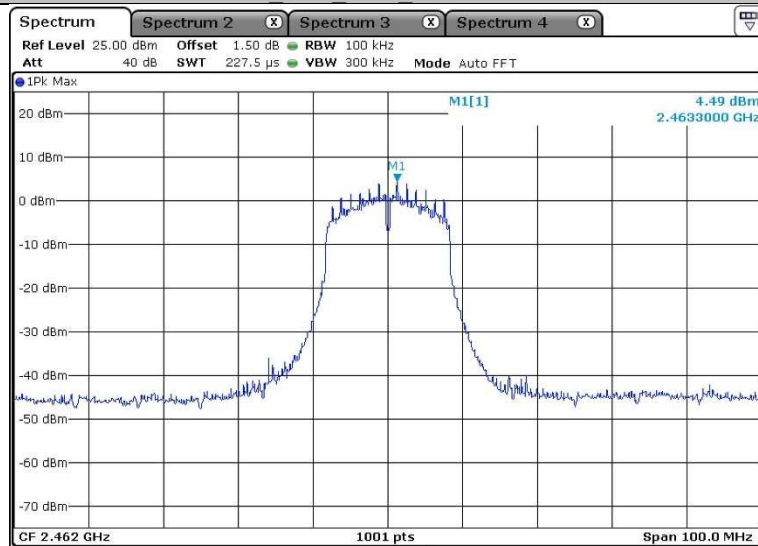
11G_Ant1_2437_0~Reference



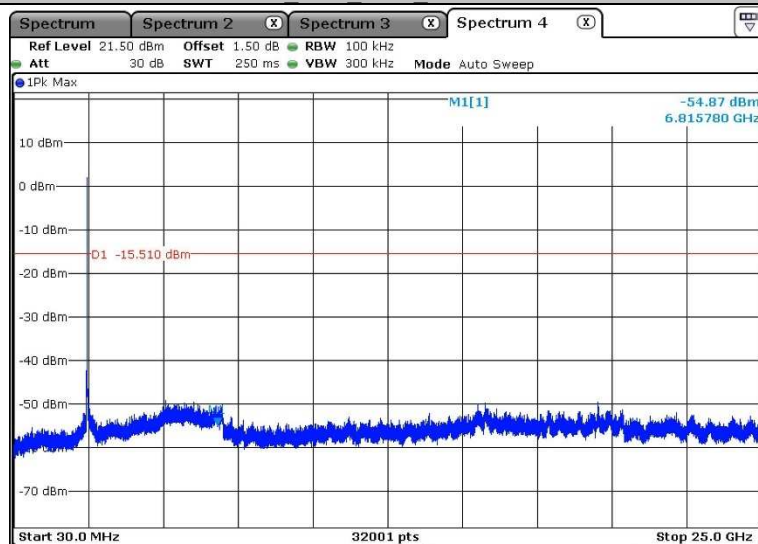
11G_Ant1_2437_30~26500



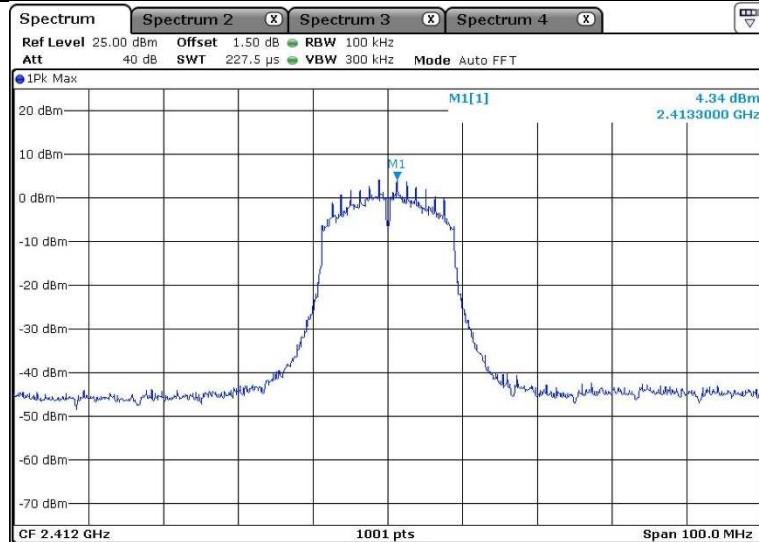
11G_Ant1_2462_0~Reference



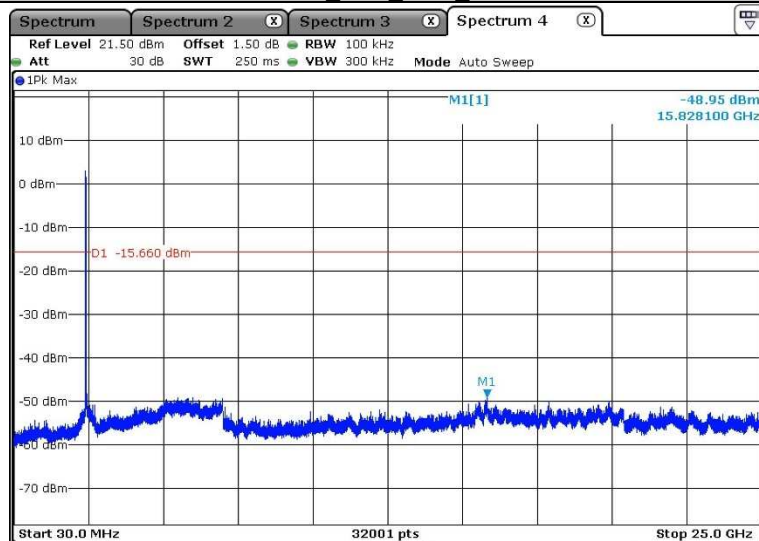
11G_Ant1_2462_30~26500



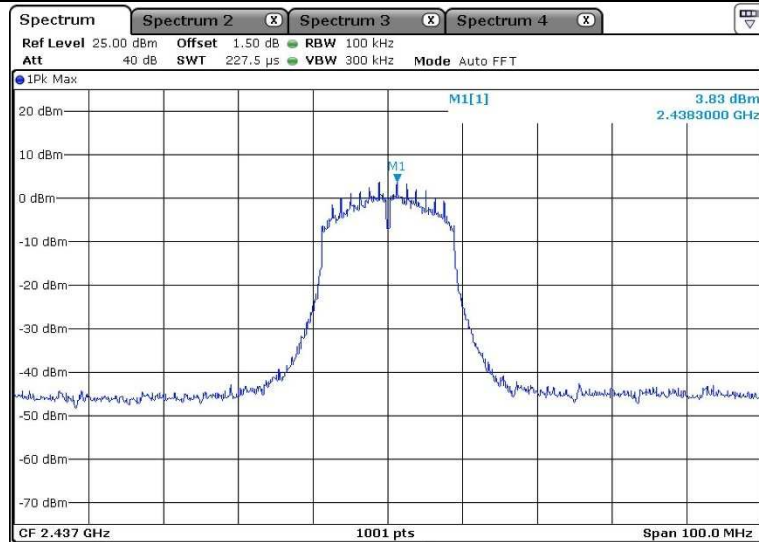
11N20SISO_Ant1_2412_0~Reference



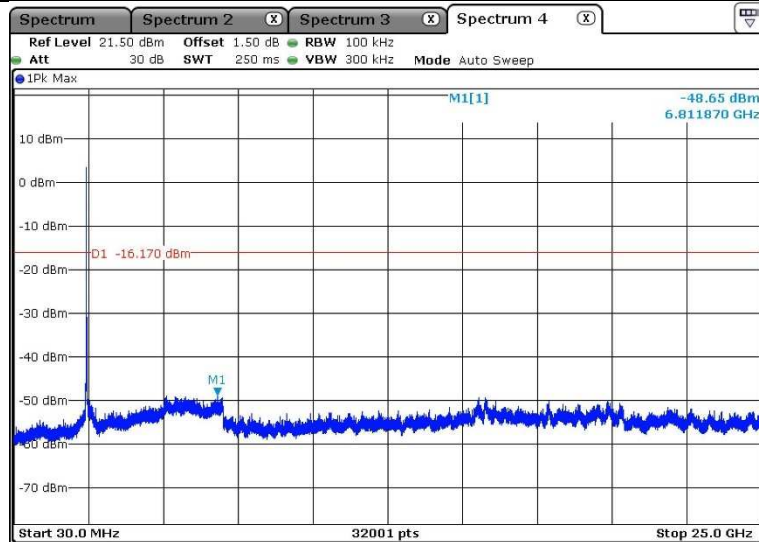
11N20SISO_Ant1_2412_30~26500



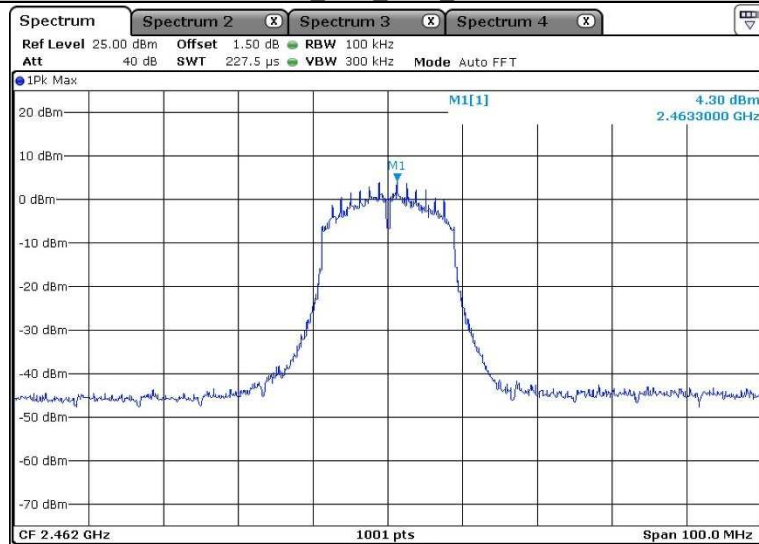
11N20SISO_Ant1_2437_0~Reference



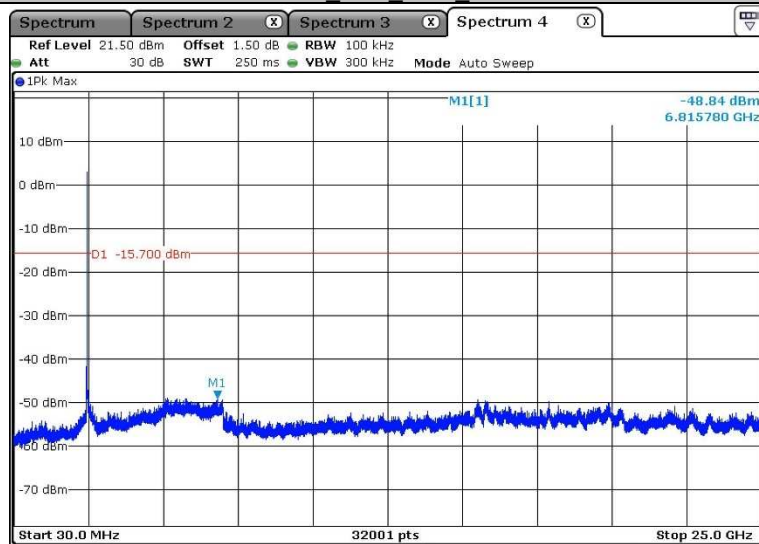
11N20SISO Ant1 2437 30~26500



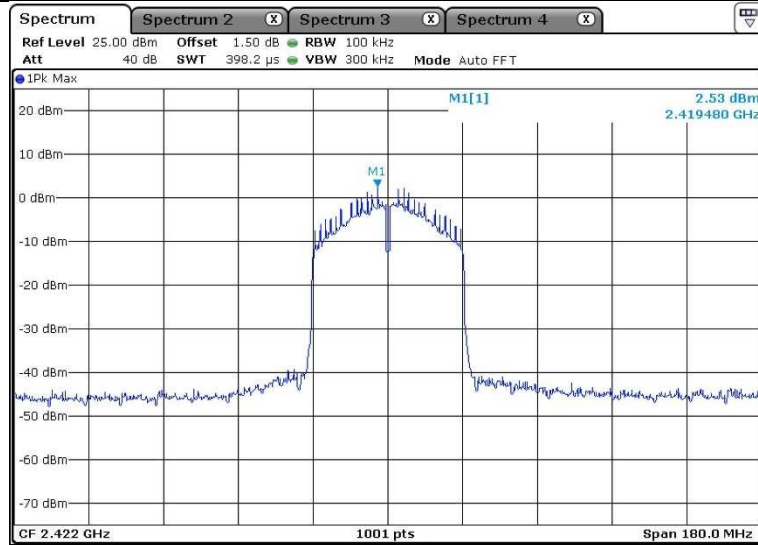
11N20SISO Ant1 2462 0~Reference



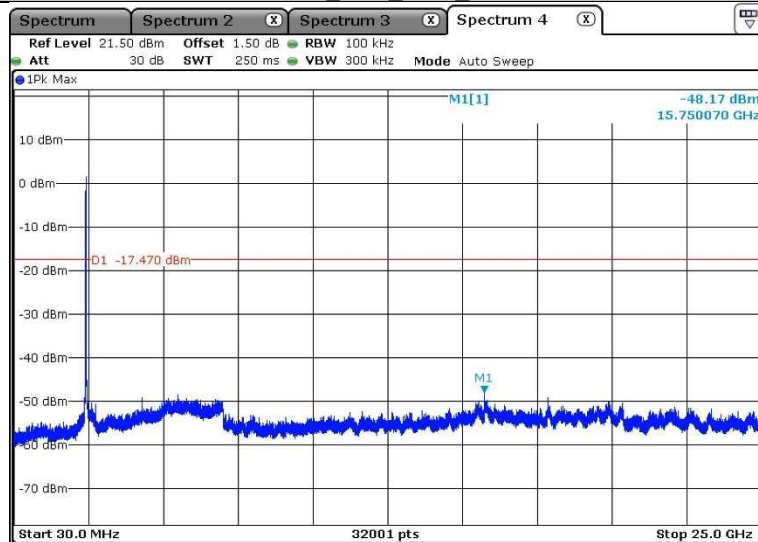
11N20SISO Ant1 2462 30~26500



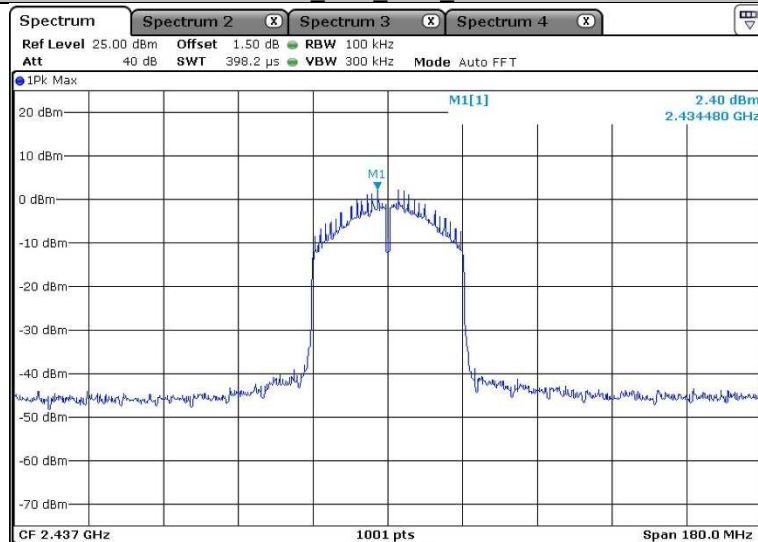
11N40SISO_Ant1_2422_0~Reference



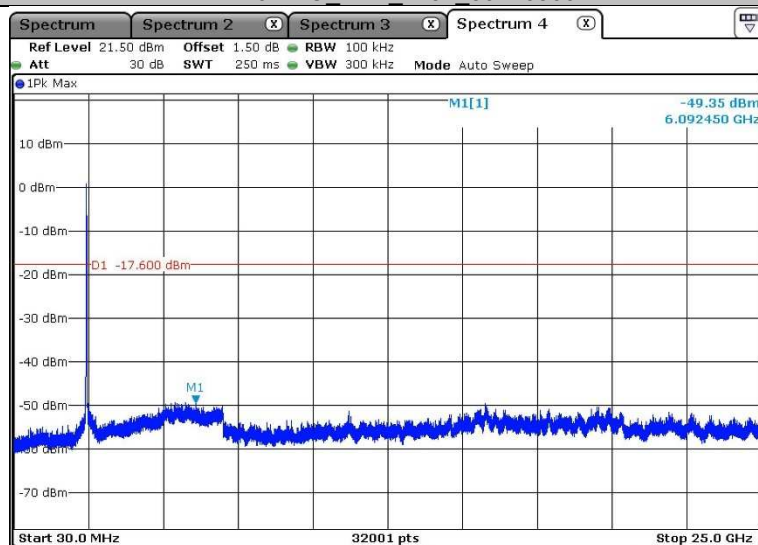
11N40SISO_Ant1_2422_30~26500



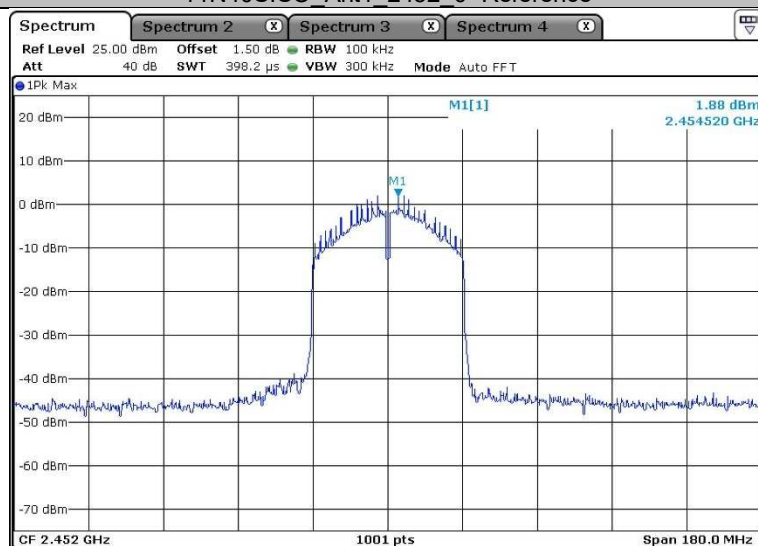
11N40SISO_Ant1_2437_0~Reference



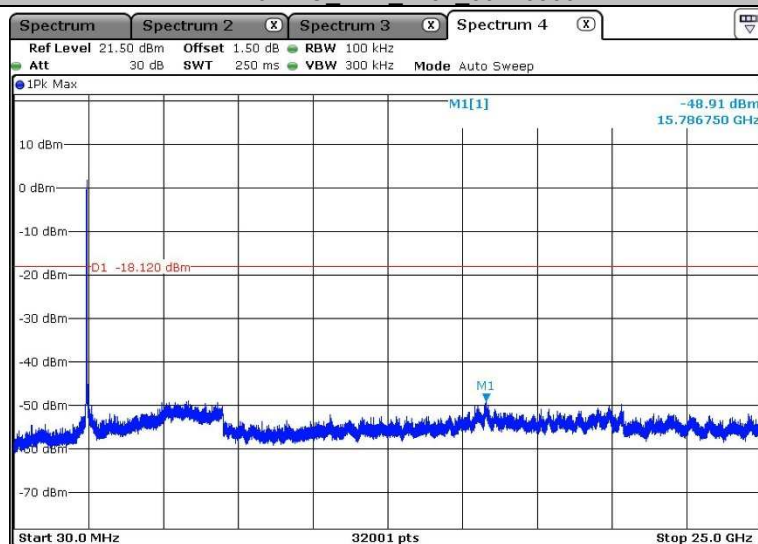
11N40SISO_Ant1_2437_30~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~26500



Appendix A.6: Test Results of Radiated Spurious Emissions

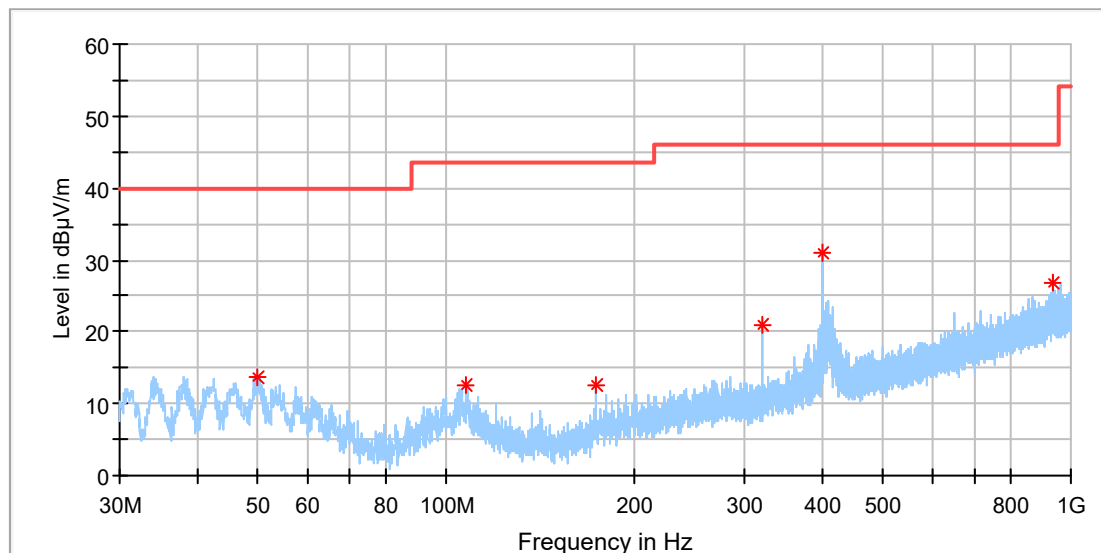
Note:

- 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:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

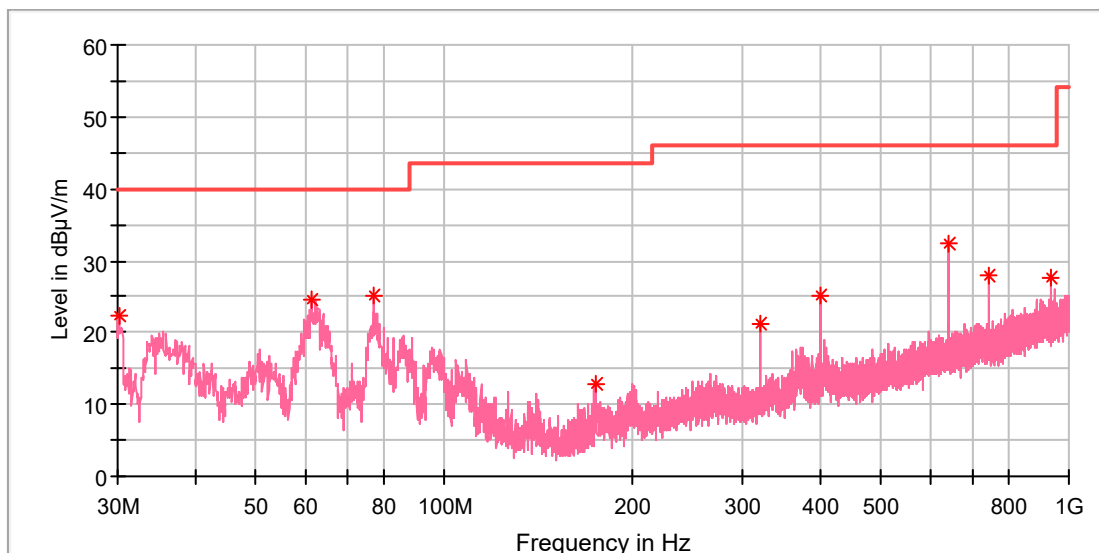
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.885000	13.81	40.00	26.19	100.0	H	244.0	-18.4
107.923333	12.66	43.50	30.84	100.0	H	146.0	-19.1
173.937222	12.66	43.50	30.84	100.0	H	230.0	-21.1
320.030000	20.98	46.00	25.02	100.0	H	167.0	-15.7
400.001111	31.08	46.00	14.92	100.0	H	313.0	-13.8
938.458889	26.80	46.00	19.20	100.0	H	202.0	-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:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.215556	22.27	40.00	17.73	100.0	V	117.0	-23.0
61.309444	24.55	40.00	15.45	100.0	V	37.0	-19.4
77.098889	25.02	40.00	14.98	100.0	V	238.0	-23.5
174.853333	12.96	43.50	30.54	100.0	V	0.0	-21.0
320.030000	21.14	46.00	24.86	100.0	V	6.0	-15.7
400.001111	25.18	46.00	20.82	100.0	V	230.0	-13.8
640.022222	32.38	46.00	13.62	100.0	V	253.0	-9.0
742.518889	27.86	46.00	18.14	100.0	V	172.0	-7.2
937.003889	27.54	46.00	18.46	100.0	V	305.0	-4.4

Final_Result

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

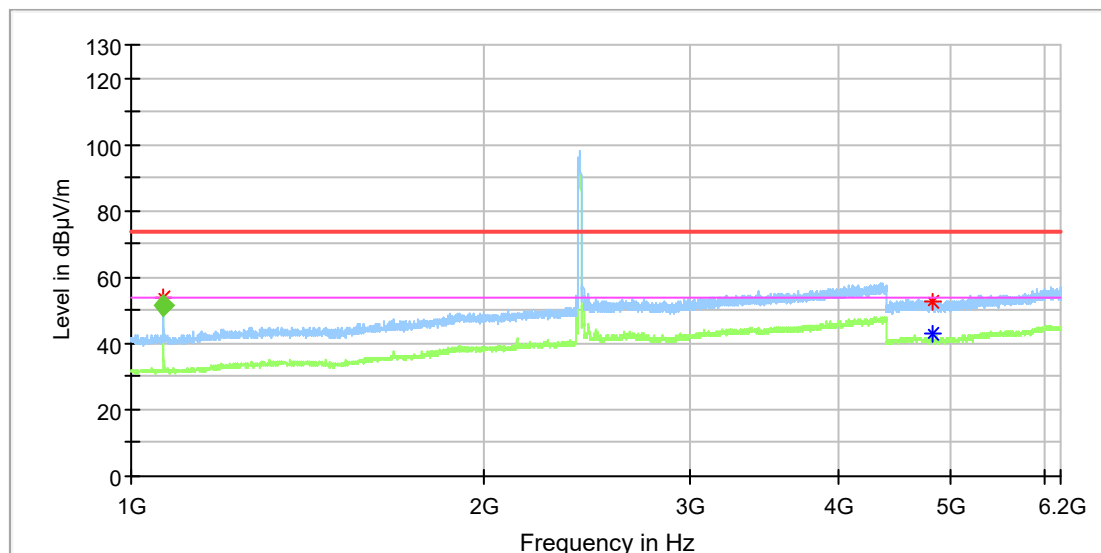
1GHz - 18GHz

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

Wi-Fi 802.11 b mode

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

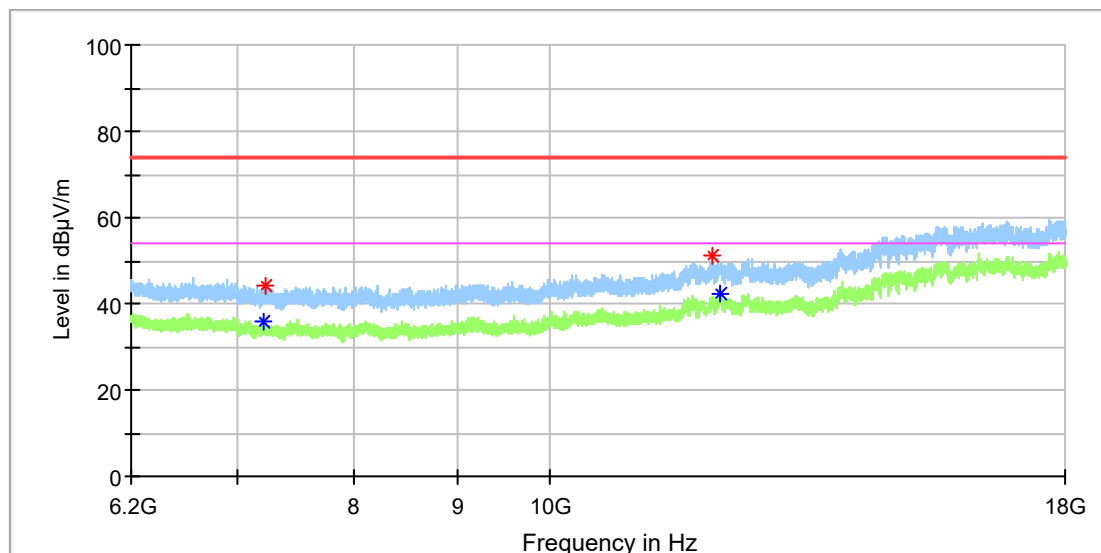
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1066.000000	53.59	---	74.00	20.41	150.0	H	251.0	0.5
4820.500000	52.51	---	74.00	21.49	150.0	H	181.0	13.3
4824.000000	---	42.97	54.00	11.03	150.0	H	262.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1066.042647	---	51.55	54.00	2.45	150.0	H	251.0	0.5

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

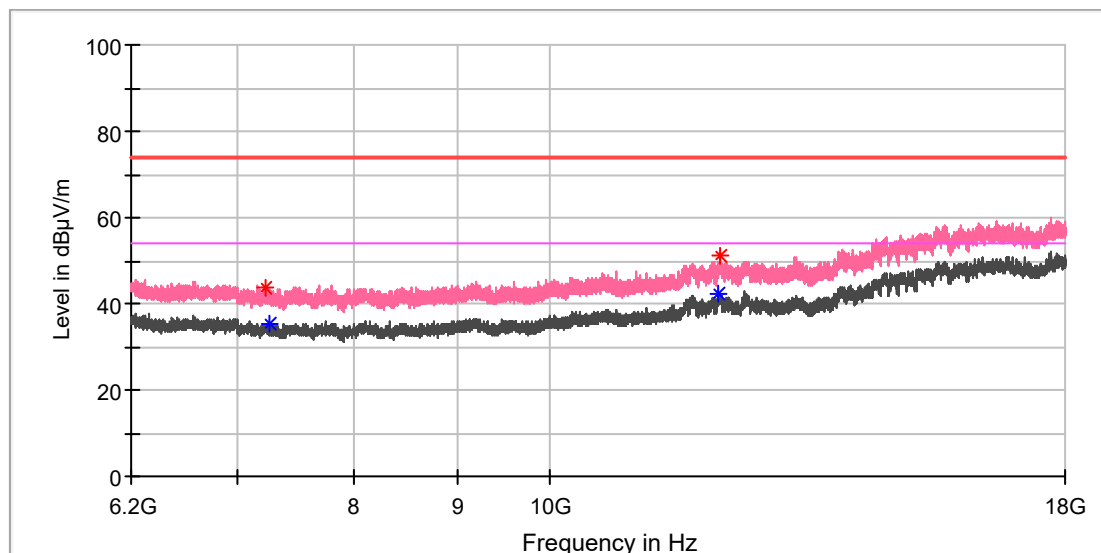
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	---	35.91	54.00	18.09	150.0	H	249.0	8.8
7221.683333	44.02	---	74.00	29.98	150.0	H	357.0	8.7
12044.441667	51.35	---	74.00	22.65	150.0	H	99.0	16.3
12151.133333	---	42.51	54.00	11.49	150.0	H	318.0	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:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

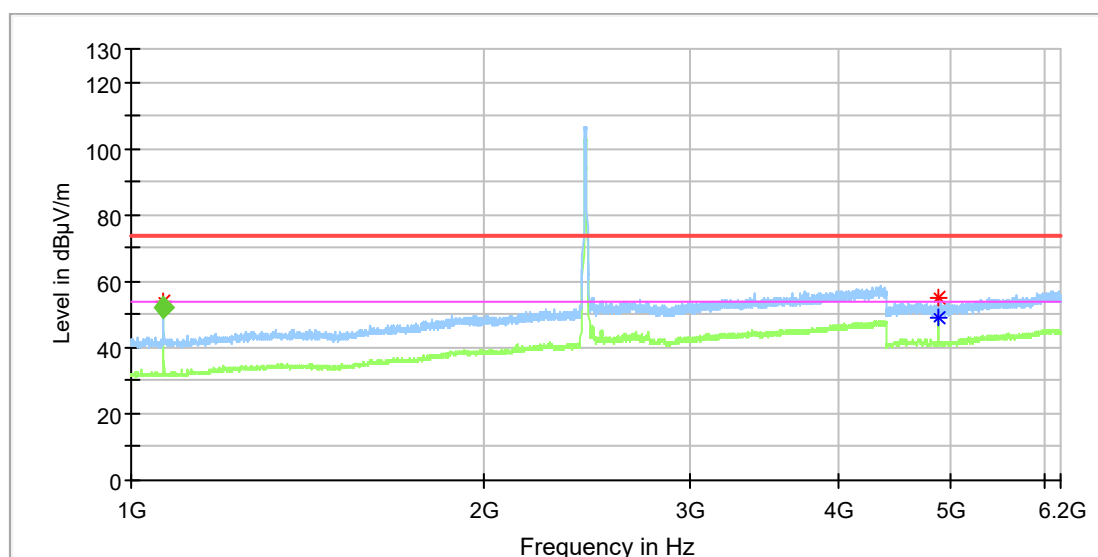
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7221.191667	43.81	---	74.00	30.19	150.0	V	17.0	8.7
7265.933333	---	35.49	54.00	18.51	150.0	V	237.0	8.5
12127.533333	---	42.29	54.00	11.71	150.0	V	154.0	16.1
12147.691667	51.19	---	74.00	22.81	150.0	V	51.0	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:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

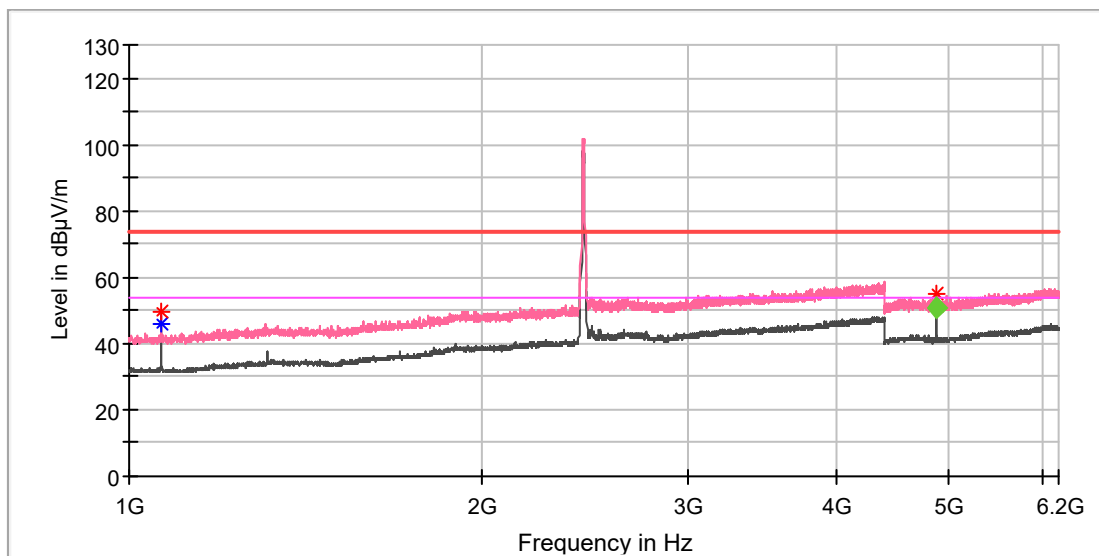
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1066.000000	53.68	---	74.00	20.32	150.0	H	245.0	0.5
4874.000000	55.05	---	74.00	18.95	150.0	H	222.0	13.3
4874.000000	---	49.04	54.00	4.96	150.0	H	222.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1065.942647	---	51.82	54.00	2.18	150.0	H	245.0	0.5

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

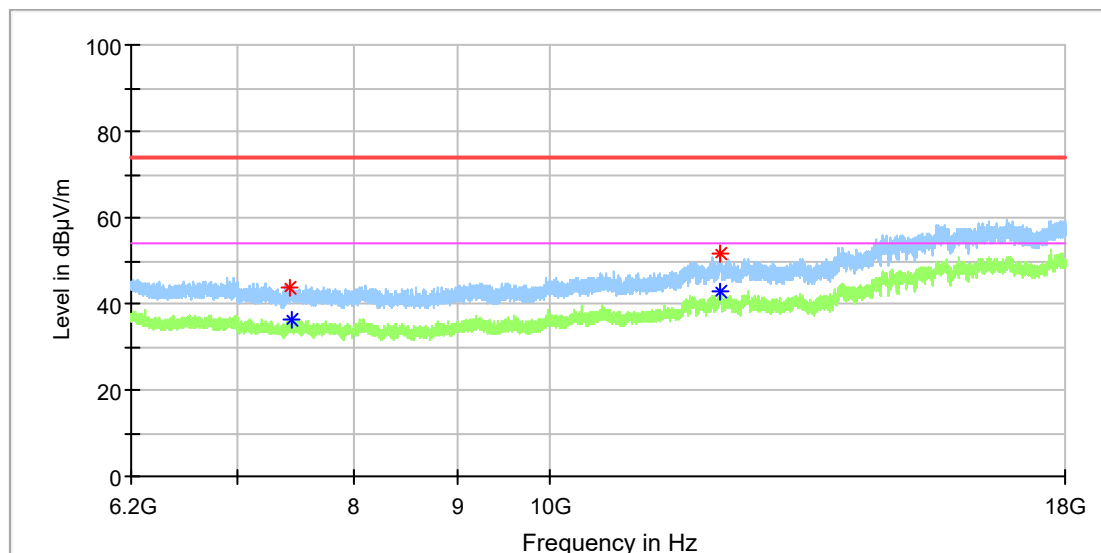
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1065.500000	49.58	---	74.00	24.42	150.0	V	60.0	0.5
1065.500000	---	45.74	54.00	8.26	150.0	V	60.0	0.5
4874.000000	55.09	---	74.00	18.91	150.0	V	249.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.086111	---	50.79	54.00	3.21	150.0	V	249.0	13.3

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

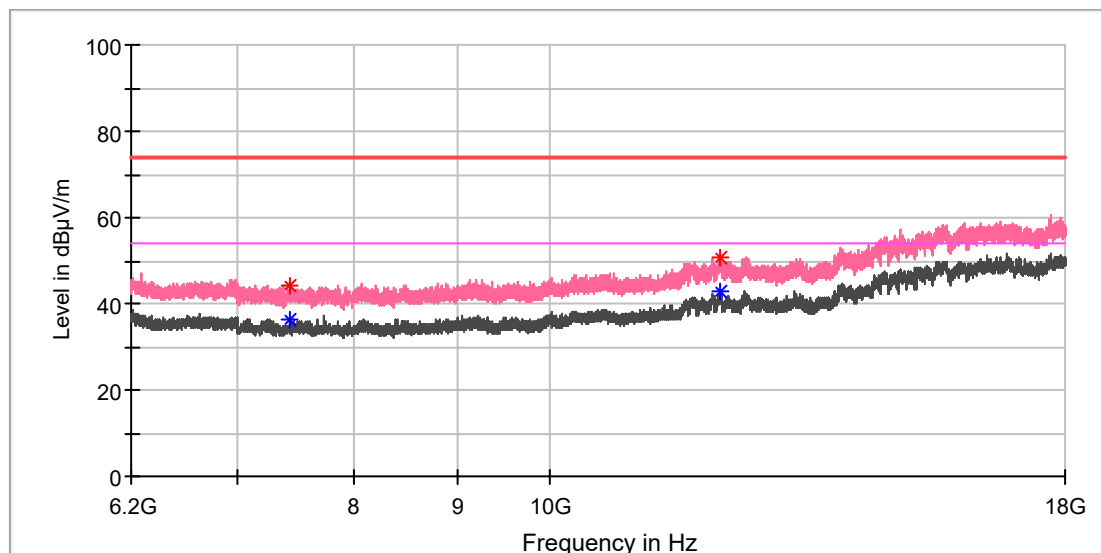
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7433.100000	43.83	---	74.00	30.17	150.0	H	220.0	8.4
7452.275000	---	36.48	54.00	17.52	150.0	H	186.0	8.5
12144.250000	---	42.84	54.00	11.16	150.0	H	294.0	16.6
12147.200000	51.58	---	74.00	22.42	150.0	H	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:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

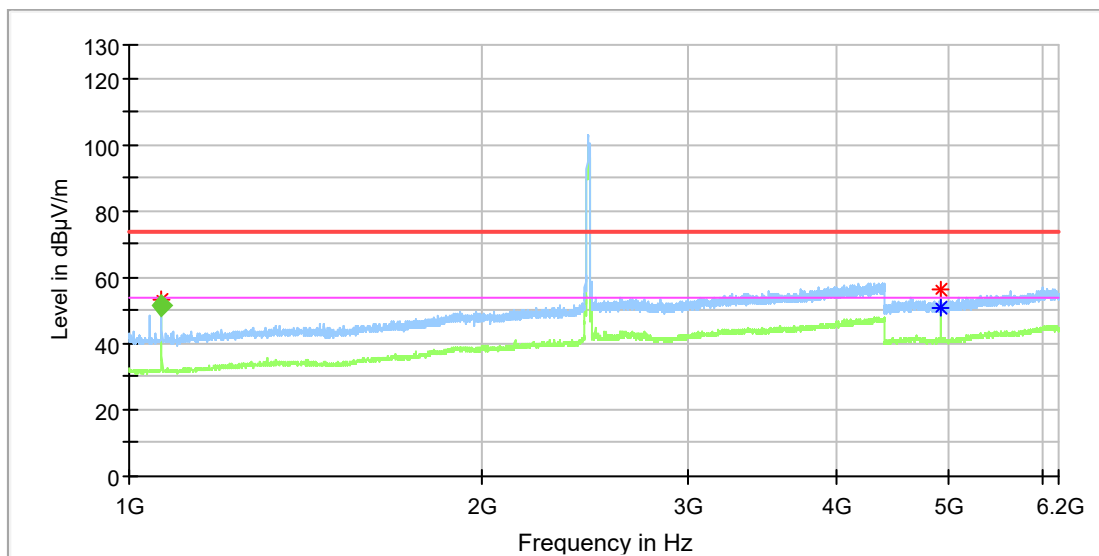
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7423.758333	---	36.21	54.00	17.79	150.0	V	212.0	8.4
7427.200000	44.06	---	74.00	29.94	150.0	V	253.0	8.4
12146.216667	---	42.93	54.00	11.07	150.0	V	353.0	16.6
12149.166667	50.89	---	74.00	23.11	150.0	V	233.0	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:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

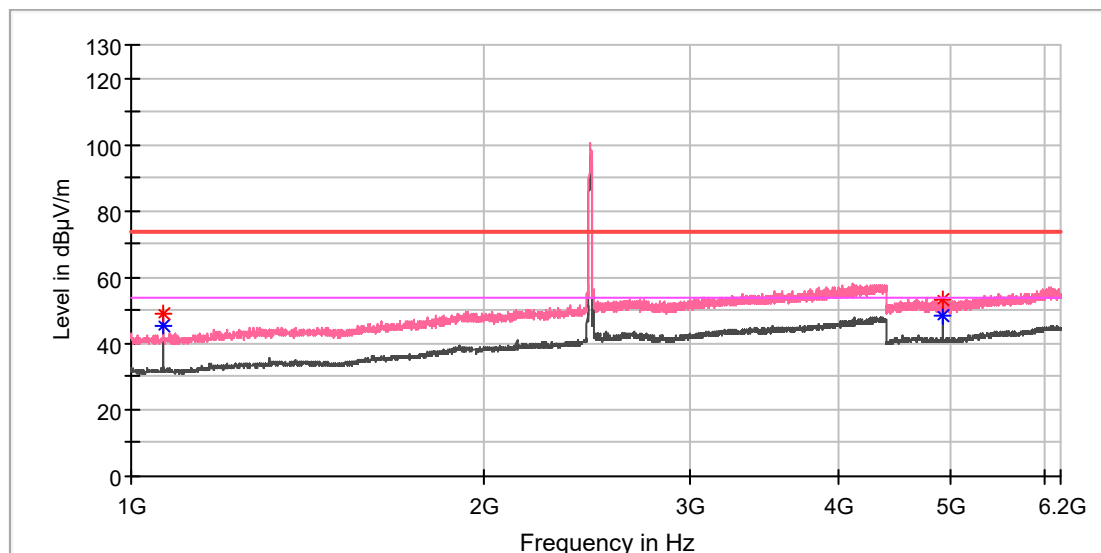
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1065.500000	53.25	---	74.00	20.75	150.0	H	246.0	0.5
4924.000000	---	50.66	54.00	3.34	150.0	H	10.0	13.3
4924.500000	56.16	---	74.00	17.84	150.0	H	329.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1066.005882	---	51.27	54.00	2.73	150.0	H	246.0	0.5

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

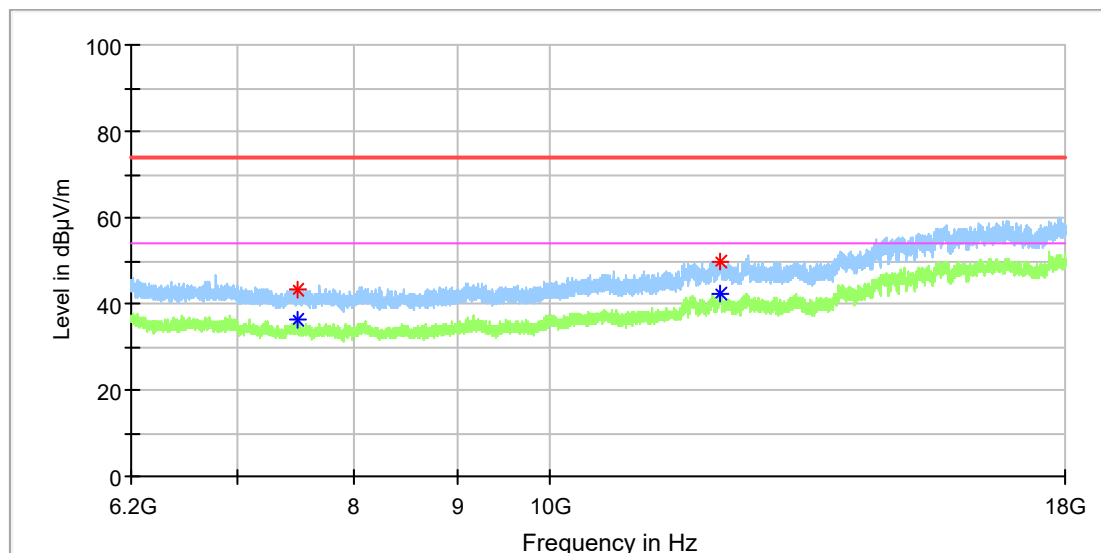
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
1065.500000	48.76	---	74.00	25.24	150.0	V	60.0	0.5
1065.500000	---	45.42	54.00	8.58	150.0	V	60.0	0.5
4924.000000	53.41	---	74.00	20.59	150.0	V	256.0	13.3
4924.000000	---	48.64	54.00	5.36	150.0	V	256.0	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:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

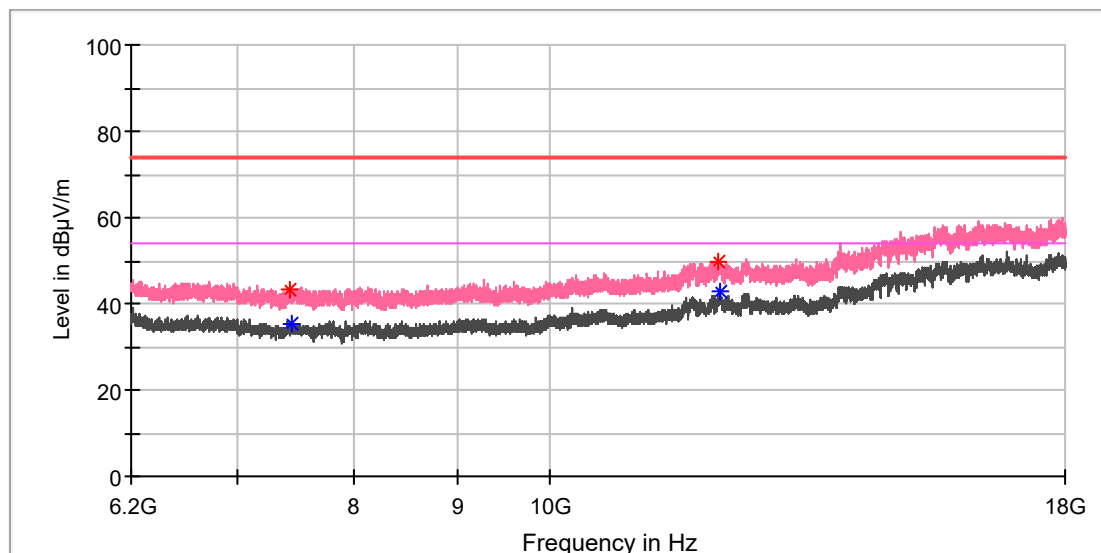
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7488.658333	43.40	---	74.00	30.60	150.0	H	30.0	8.7
7498.491667	---	36.14	54.00	17.86	150.0	H	197.0	8.7
12144.250000	---	42.41	54.00	11.59	150.0	H	343.0	16.6
12150.641667	49.55	---	74.00	24.45	150.0	H	131.0	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:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7435.558333	43.31	---	74.00	30.69	150.0	V	266.0	8.4
7452.766667	---	35.58	54.00	18.42	150.0	V	149.0	8.5
12123.600000	49.94	---	74.00	24.06	150.0	V	0.0	16.0
12151.133333	---	42.82	54.00	11.18	150.0	V	58.0	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)
---	---	---	---	---	---		---	---

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

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

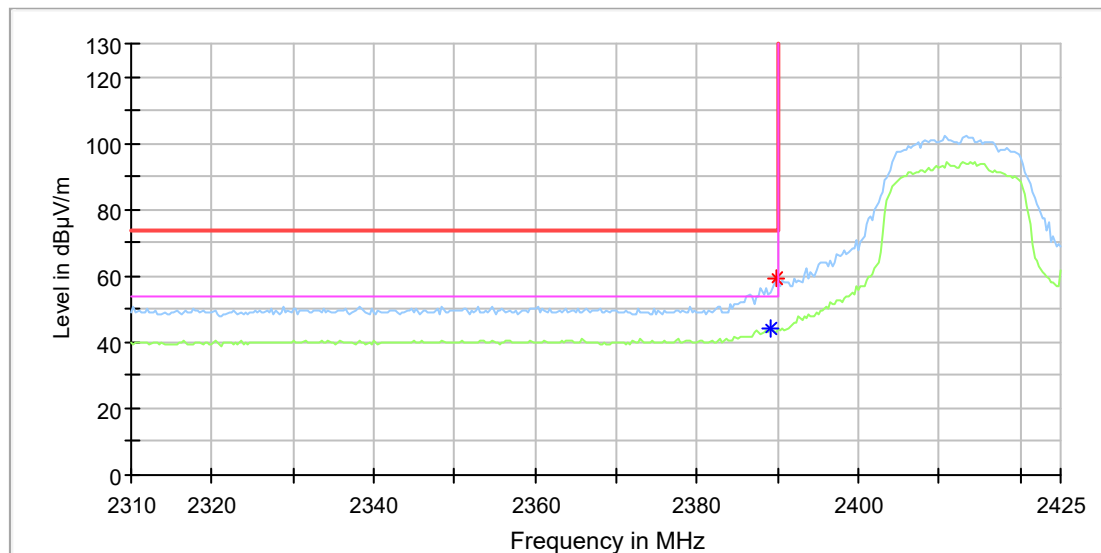
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.750000	122.00	118.00	120.00	2.00	300.00	000	000	0.00

Wi-Fi 802.11 g mode

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

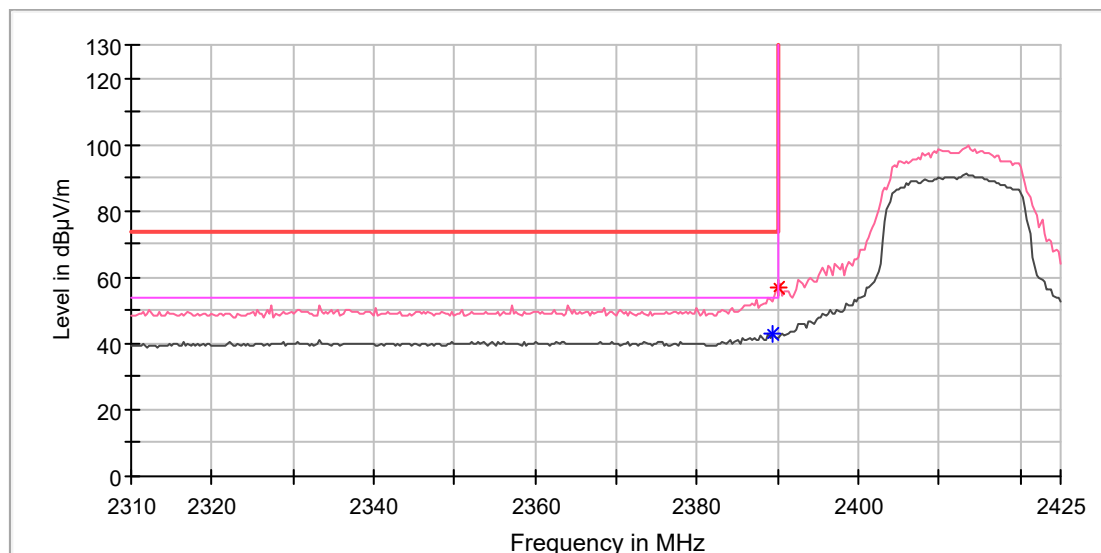
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.117647	---	44.05	54.00	9.95	150.0	H	11.0	8.5
2389.705882	59.44	---	74.00	14.56	150.0	H	18.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

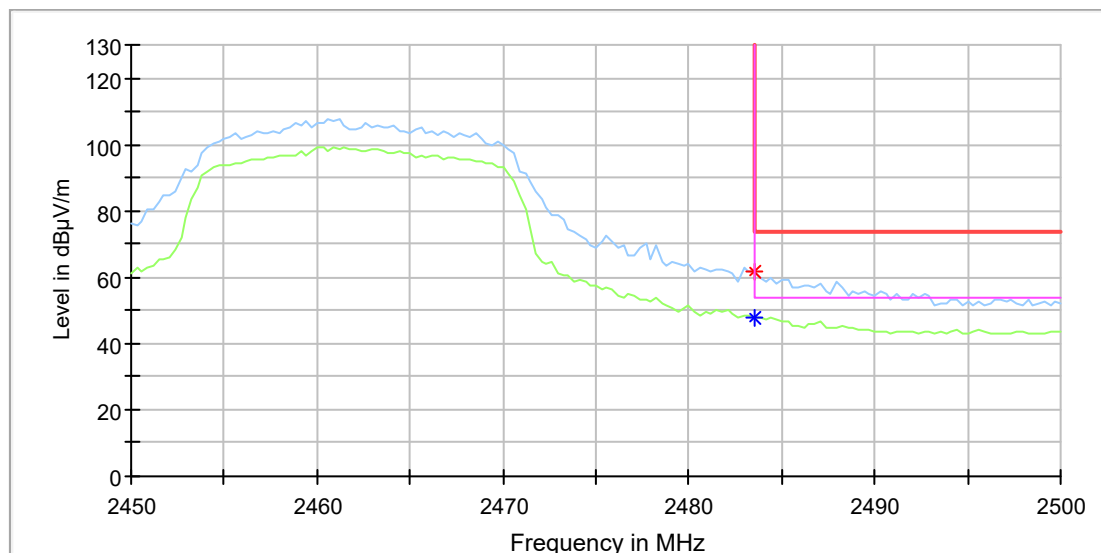
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.411765	---	42.79	54.00	11.21	150.0	V	342.0	8.5
2390.000000	56.91	---	74.00	17.09	150.0	V	342.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
90.00 MHz	-68.00 dBμV/m	-70.00 dBμV/m	-75.00 dBμV/m	+6.00 dB	10.00 cm	V	0.00 deg	0.00 dB/m

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	47.91	54.00	6.09	150.0	H	22.0	9.0
2483.529412	61.91	---	74.00	12.09	150.0	H	22.0	9.0

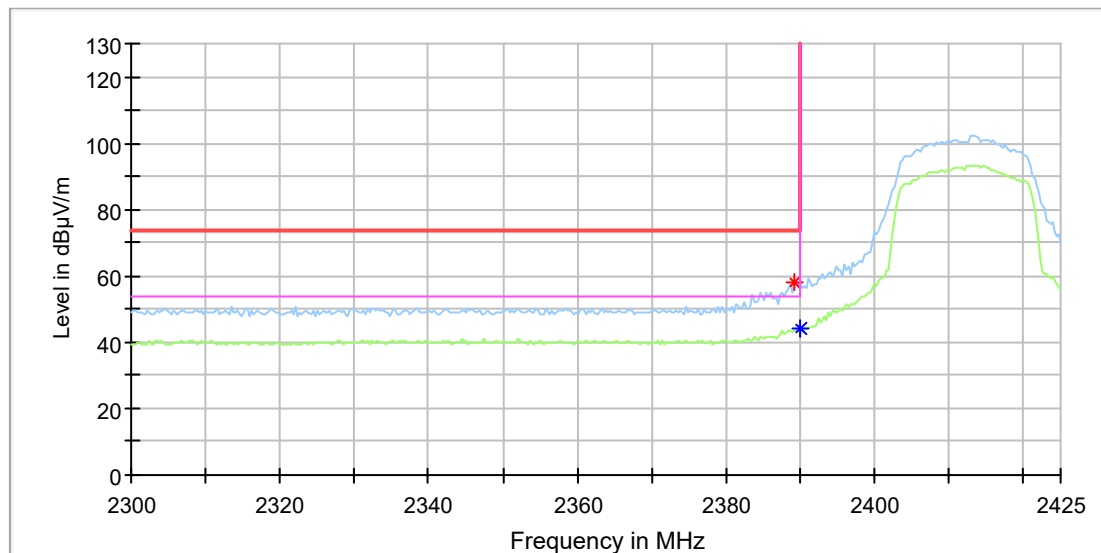
Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	30.0	V	135	0.0

Wi-Fi 802.11 n(HT20) mode

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.117647	58.29	---	74.00	15.71	150.0	H	18.0	8.5
2390.000000	---	44.41	54.00	9.59	150.0	H	18.0	8.5

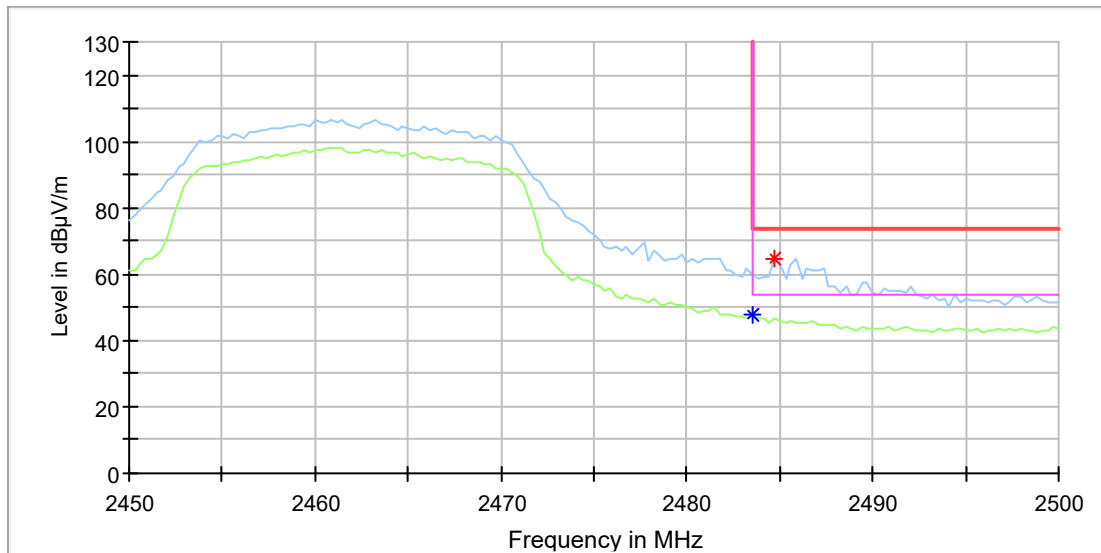
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

EUT Information

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

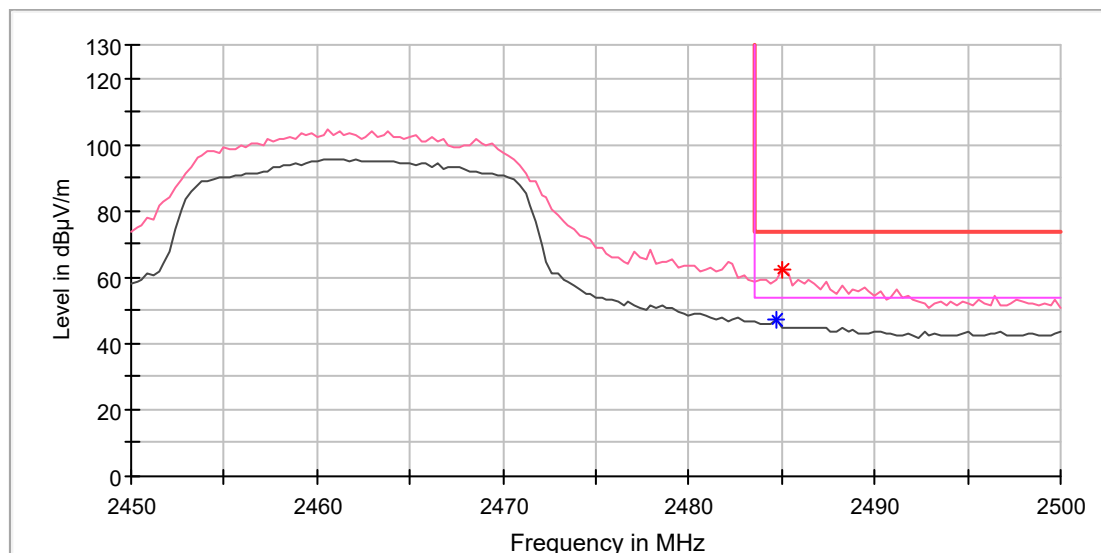
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	47.65	54.00	6.35	150.0	H	342.0	9.0
2484.705882	64.68	---	74.00	9.32	150.0	H	342.0	9.0

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:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.705882	---	46.89	54.00	7.11	150.0	V	273.0	9.0
2485.000000	62.36	---	74.00	11.64	150.0	V	115.0	9.0

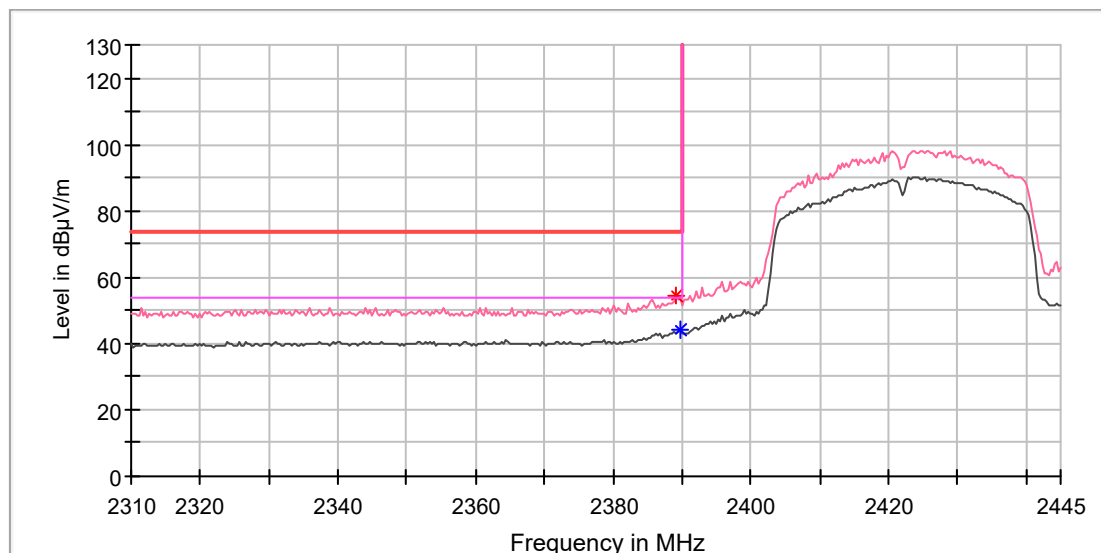
Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0

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	100.00

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

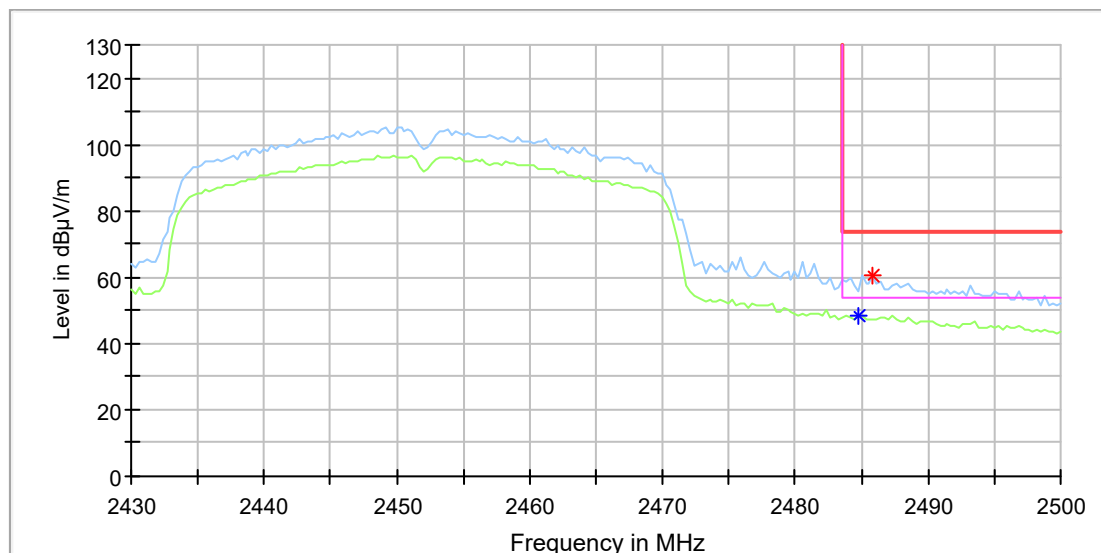
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.117647	54.37	---	74.00	19.63	150.0	V	171.0	8.5
2389.705882	---	43.97	54.00	10.03	150.0	V	0.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

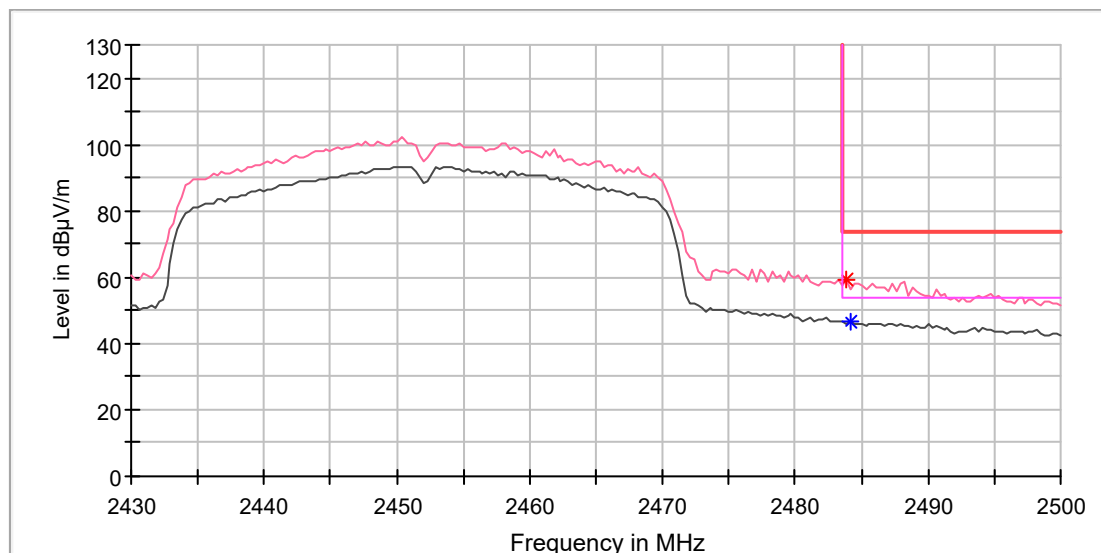
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.705882	---	48.41	54.00	5.59	150.0	H	346.0	9.0
2485.882353	60.51	---	74.00	13.49	150.0	H	22.0	9.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	118.0	117.0	117.0	0.0	100.0	0	0	0

EUT Information

EUT Name:	Functional Base
Model:	PA8CFB02
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168587941/A004157948-003
Test Voltage::	AC 120V 60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	59.47	---	74.00	14.53	150.0	V	271.0	9.0
2484.117647	---	46.79	54.00	7.21	150.0	V	264.0	9.0

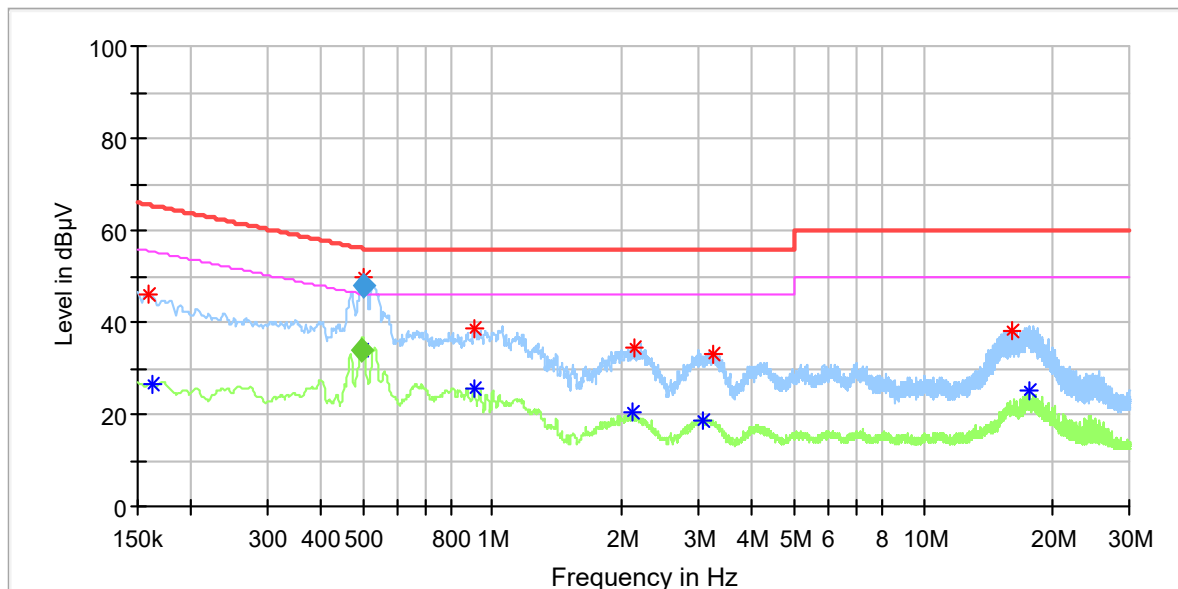
Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	30.0	V	135	0.0

Appendix A.8: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	Functional Base
Order Number:	168587941 40(P02214304)
Model:	PA8CFB02
Test Mode:	WIFI Link
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Leon Zhu / Murphy Chen
Tem./Hum./Pressure:	24.3°C/510.5%/101kPa
Remark:	SR2



Critical Freqs

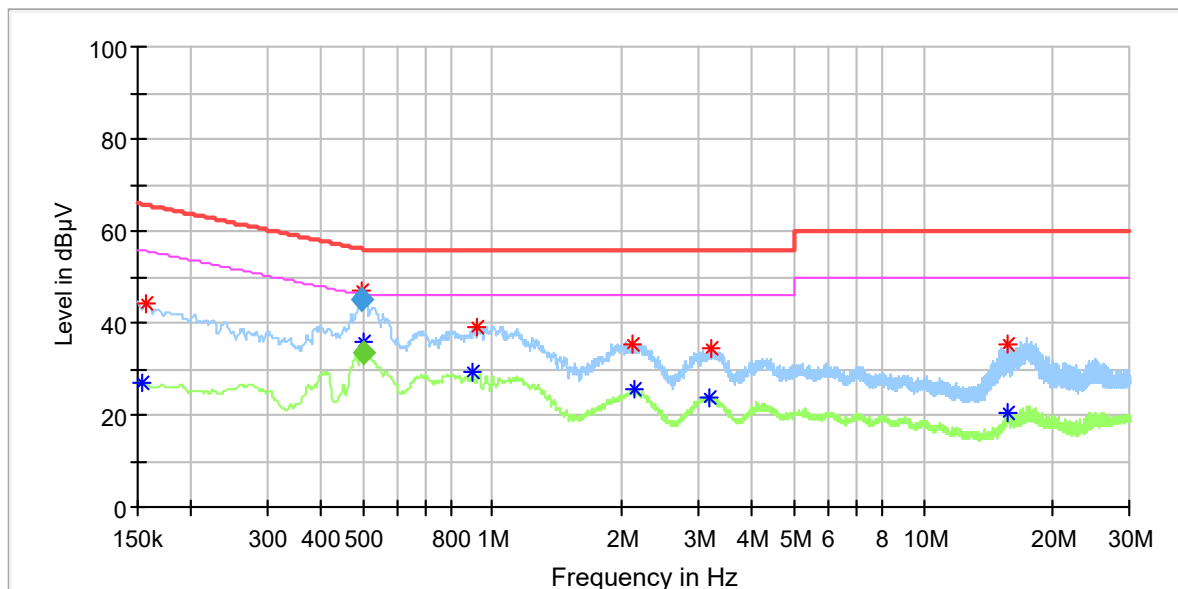
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.16	46.20	---	65.55	19.35	L1	10.24
0.16	---	26.74	55.38	28.64	L1	10.24
0.50	---	33.75	46.00	12.25	L1	10.26
0.50	49.59	---	56.00	6.41	L1	10.26
0.90	---	25.75	46.00	20.25	L1	10.28
0.90	38.62	---	56.00	17.38	L1	10.28
2.11	---	20.34	46.00	25.66	L1	10.31
2.12	34.39	---	56.00	21.61	L1	10.31
3.07	---	18.54	46.00	27.46	L1	10.35
3.23	32.91	---	56.00	23.09	L1	10.35
16.06	38.17	---	60.00	21.83	L1	10.85
17.54	---	25.28	50.00	24.72	L1	10.96

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.50	---	33.85	46.02	12.17	1000.00	9.00	L1	10.26
0.50	47.96	---	56.00	8.04	1000.00	9.00	L1	10.26

EUT Information

EUT Name:	Functional Base
Order Number:	168587941 40(P02214304)
Model:	PA8CFB02
Test Mode:	WIFI Link
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Leon Zhu / Murphy Chen
Tem./Hum./Pressure:	24.3°C/510.5%/101kPa
Remark:	SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.15	---	26.84	55.82	28.98	N	10.26
0.16	44.28	---	65.64	21.36	N	10.26
0.50	47.12	---	56.00	8.88	N	10.27
0.50	---	36.03	46.00	9.97	N	10.27
0.90	---	29.12	46.00	16.88	N	10.29
0.92	39.06	---	56.00	16.94	N	10.29
2.11	35.36	---	56.00	20.64	N	10.31
2.13	---	25.43	46.00	20.57	N	10.31
3.18	---	23.71	46.00	22.29	N	10.35
3.23	34.23	---	56.00	21.77	N	10.36
15.62	---	20.47	50.00	29.53	N	10.79
15.63	35.47	---	60.00	24.53	N	10.79

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.50	45.30	---	56.02	10.72	1000.00	9.00	N	10.27
0.50	---	33.57	46.00	12.43	1000.00	9.00	N	10.27