

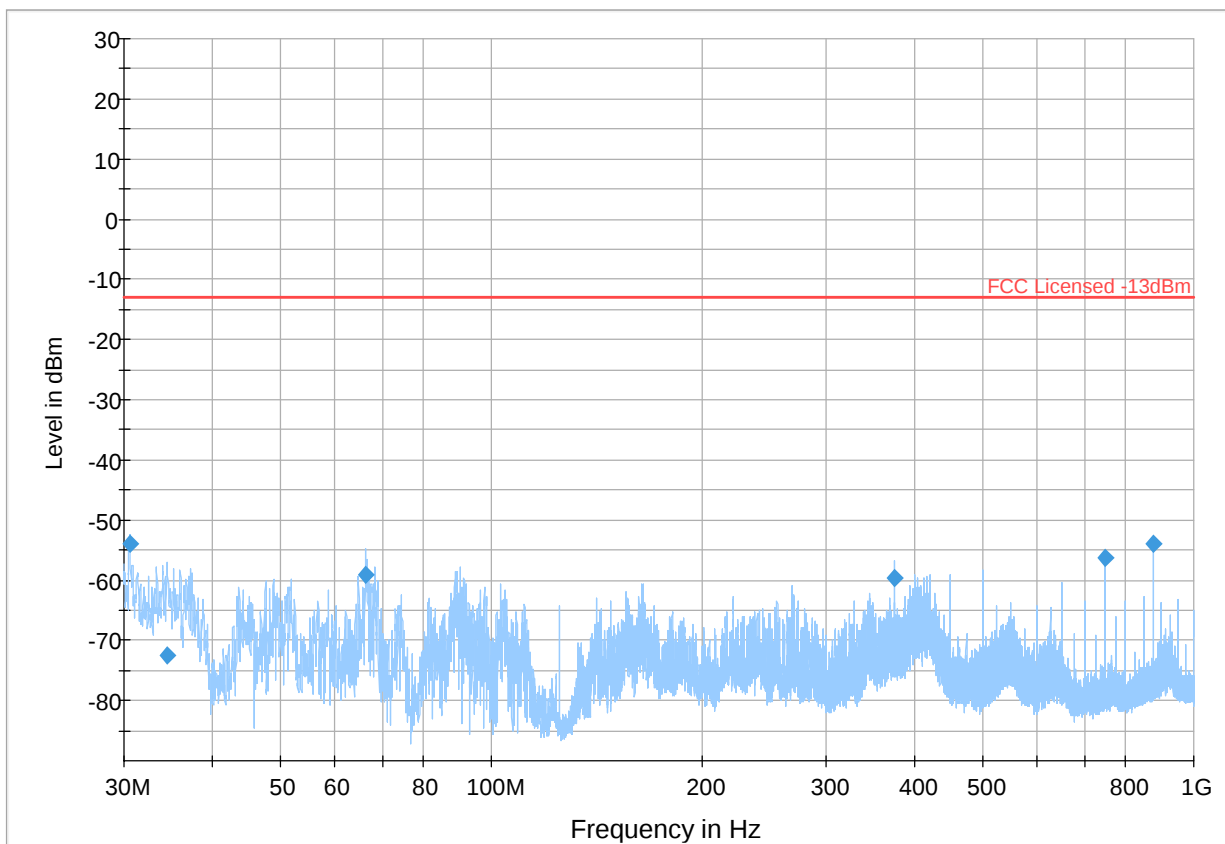
LTE 2

Plot # 53 Radiated Emissions: 30 MHz – 1GHz

Channel: Low

Final Result

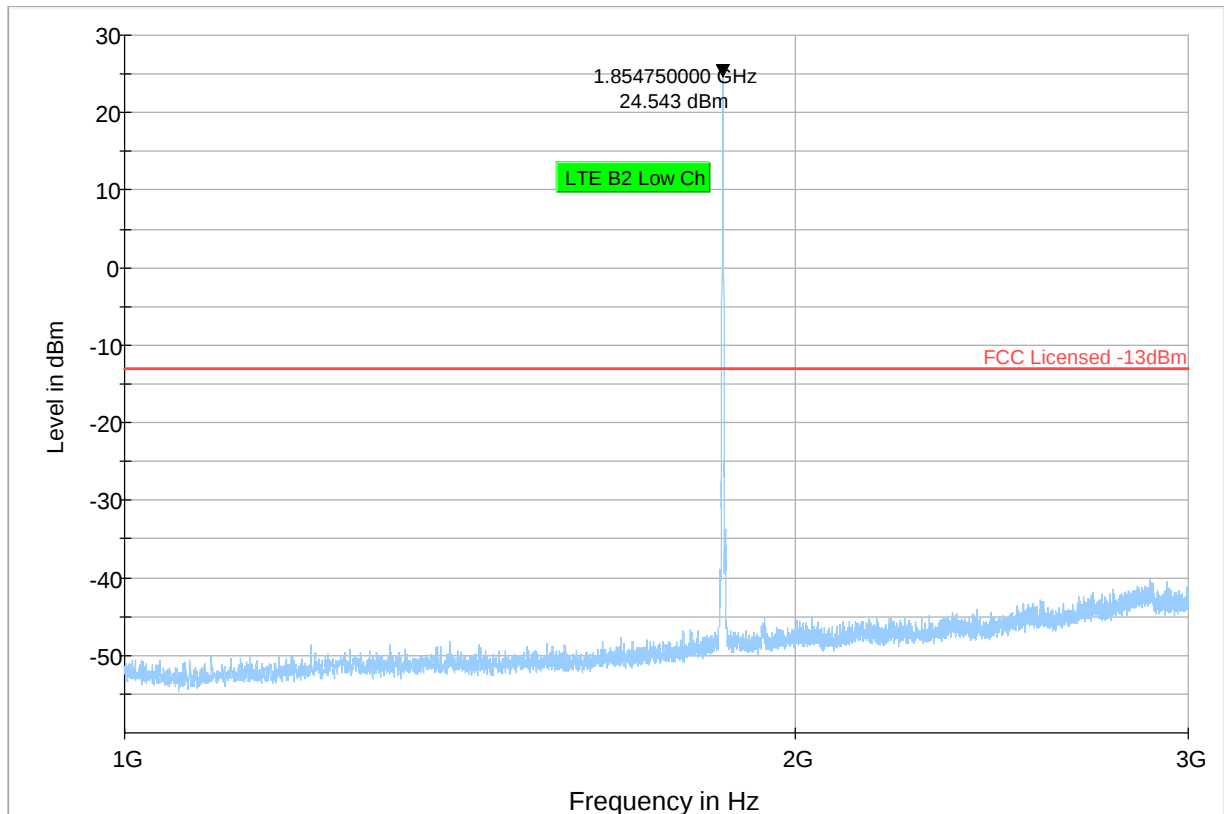
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.606	-54.03	-13.00	41.03	500.0	120.000	100.0	V	343.0	-112.9
34.559	-72.42	-13.00	59.42	500.0	120.000	100.0	V	64.0	-114.9
66.254	-59.16	-13.00	46.16	500.0	120.000	261.0	V	-18.0	-123.9
374.981	-59.55	-13.00	46.55	500.0	120.000	100.0	H	207.0	-113.4
749.983	-56.35	-13.00	43.35	500.0	120.000	125.0	H	214.0	-106.3
874.991	-53.85	-13.00	40.85	500.0	120.000	240.0	H	-3.0	-104.8



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 54 Radiated Emissions: 1 GHz - 3 GHz

Channel: Low



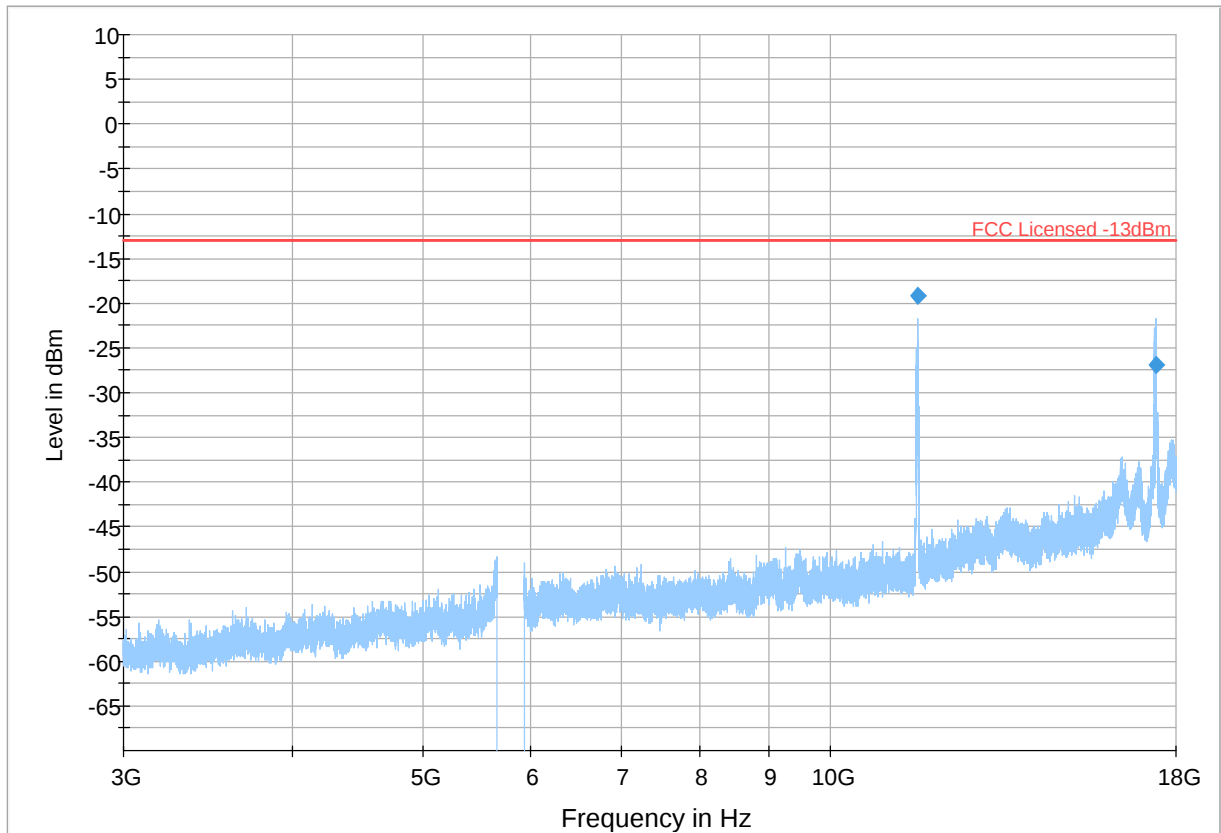
◆ Preview Result 1-PK+ Final Result RMS
 * Critical Freqs PK+ Final Result PK+
 — FCC Licensed -13dBm

Plot # 55 Radiated Emissions: 3 GHz – 18 GHz

Channel: Low

Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11589.750	-19.19	-13.00	6.19	500.0	1000.000	249.0	V	310.0	-91.1
17380.500	-26.95	-13.00	13.95	500.0	1000.000	245.0	V	112.0	-79.2



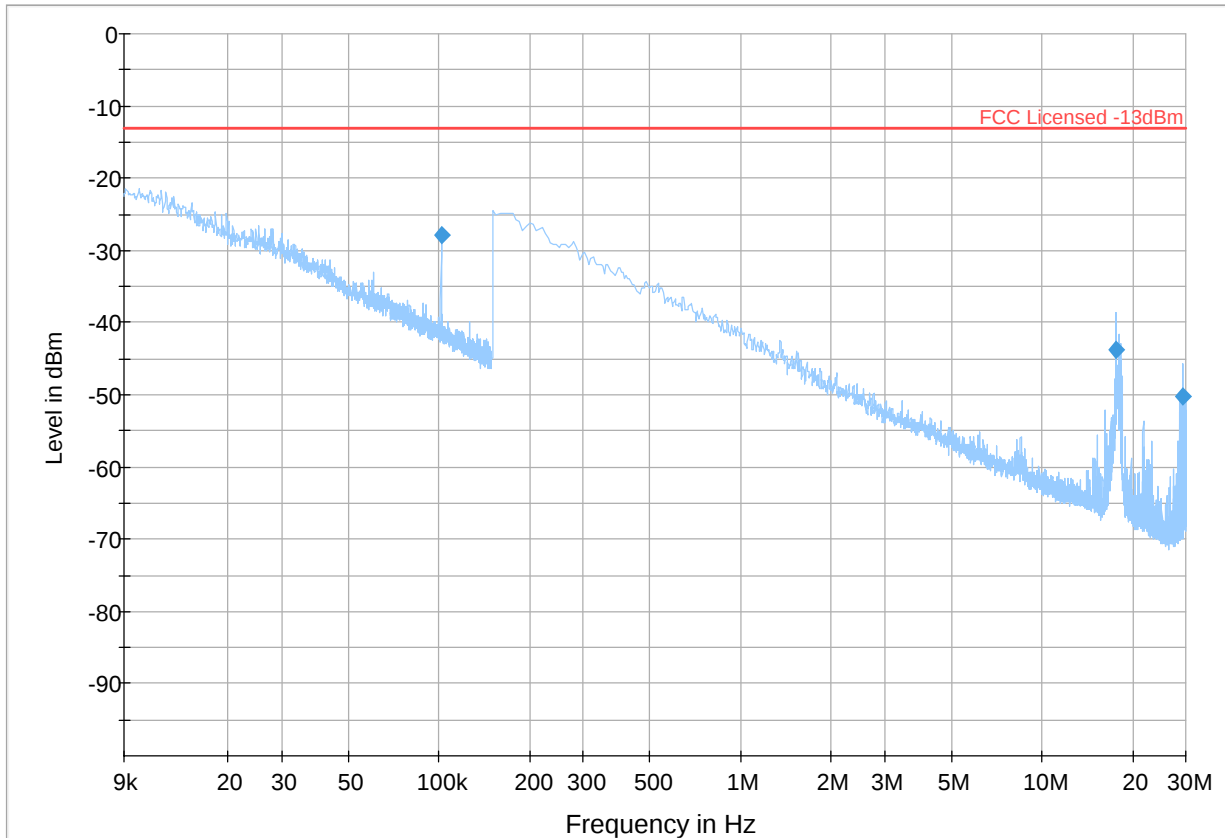
Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK+

Plot # 56 Radiated Emissions: 9 kHz - 30 MHz

Channel: Mid

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.101	-27.92	-13.00	14.92	500.0	9.000	100.0	V	175.0	-76.3
17.692	-43.84	-13.00	30.84	500.0	9.000	116.0	V	42.0	-78.3
29.234	-50.23	-13.00	37.23	500.0	9.000	166.0	V	26.0	-79.0



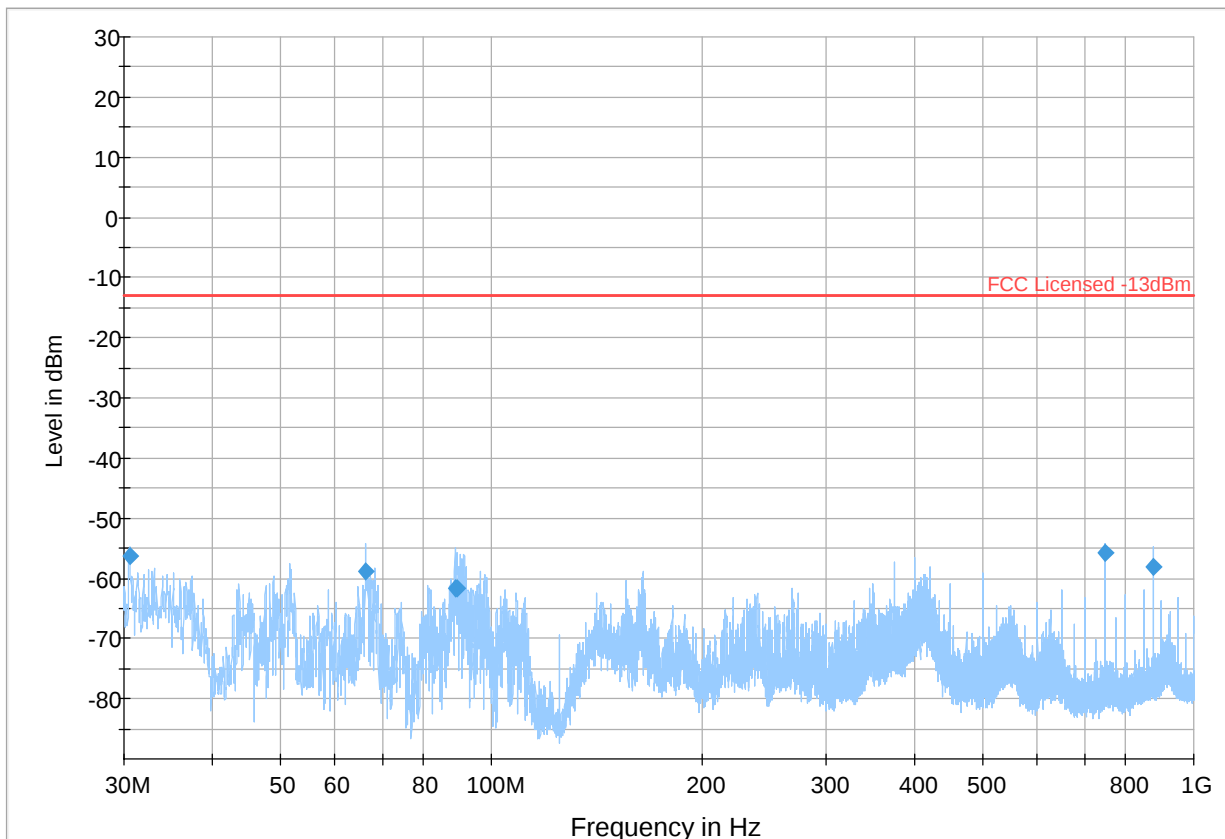
Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 57 Radiated Emissions: 30 MHz – 1GHz

Channel: Mid

Final Result

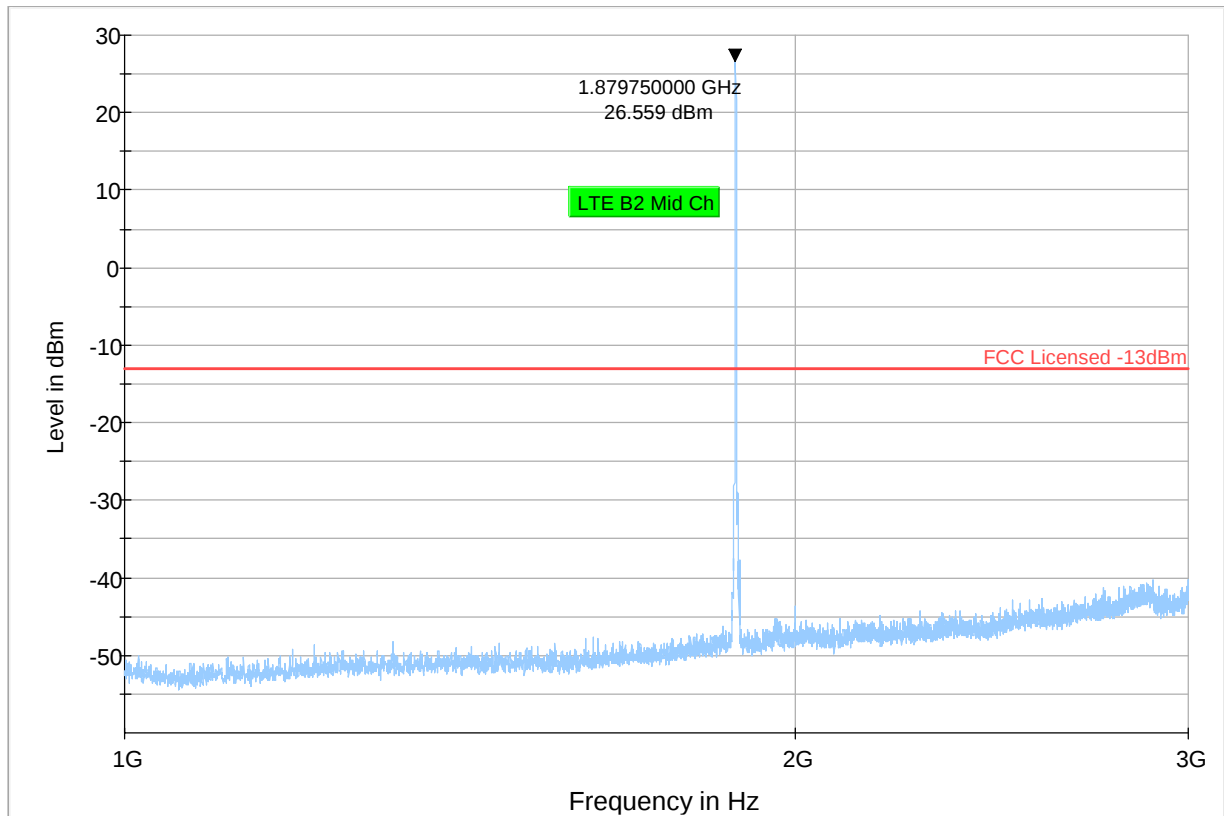
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.558	-56.24	-13.00	43.24	500.0	120.000	100.0	V	7.0	-112.9
66.254	-58.74	-13.00	45.74	500.0	120.000	107.0	V	-27.0	-123.9
88.831	-61.73	-13.00	48.73	500.0	120.000	107.0	V	-62.0	-119.1
89.631	-61.72	-13.00	48.72	500.0	120.000	100.0	V	-62.0	-119.0
749.983	-55.75	-13.00	42.75	500.0	120.000	142.0	H	212.0	-106.3
874.991	-57.99	-13.00	44.99	500.0	120.000	227.0	H	46.0	-104.8



— Preview Result 1-PK+ — FCC Licensed -13dBm ◆ Final_Result RMS ◆ Final_Result PK

Plot # 58 Radiated Emissions: 1 GHz - 3 GHz

Channel: Mid



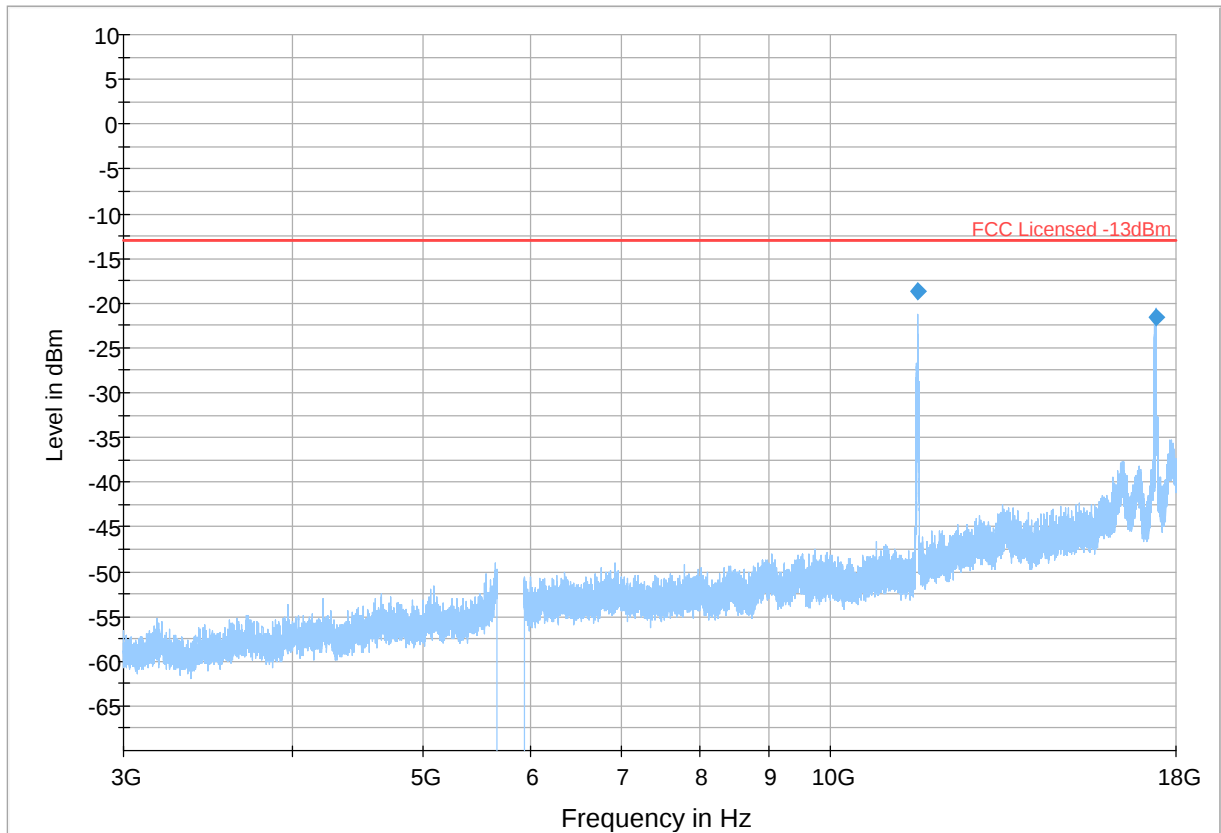
◆ Preview Result 1-PK+ Final_Result RMS
 * Critical_Freqs PK+ Final_Result PK+
 — FCC Licensed -13dBm

Plot # 59 Radiated Emissions: 3 GHz – 18 GHz

Channel: Mid

Final Result

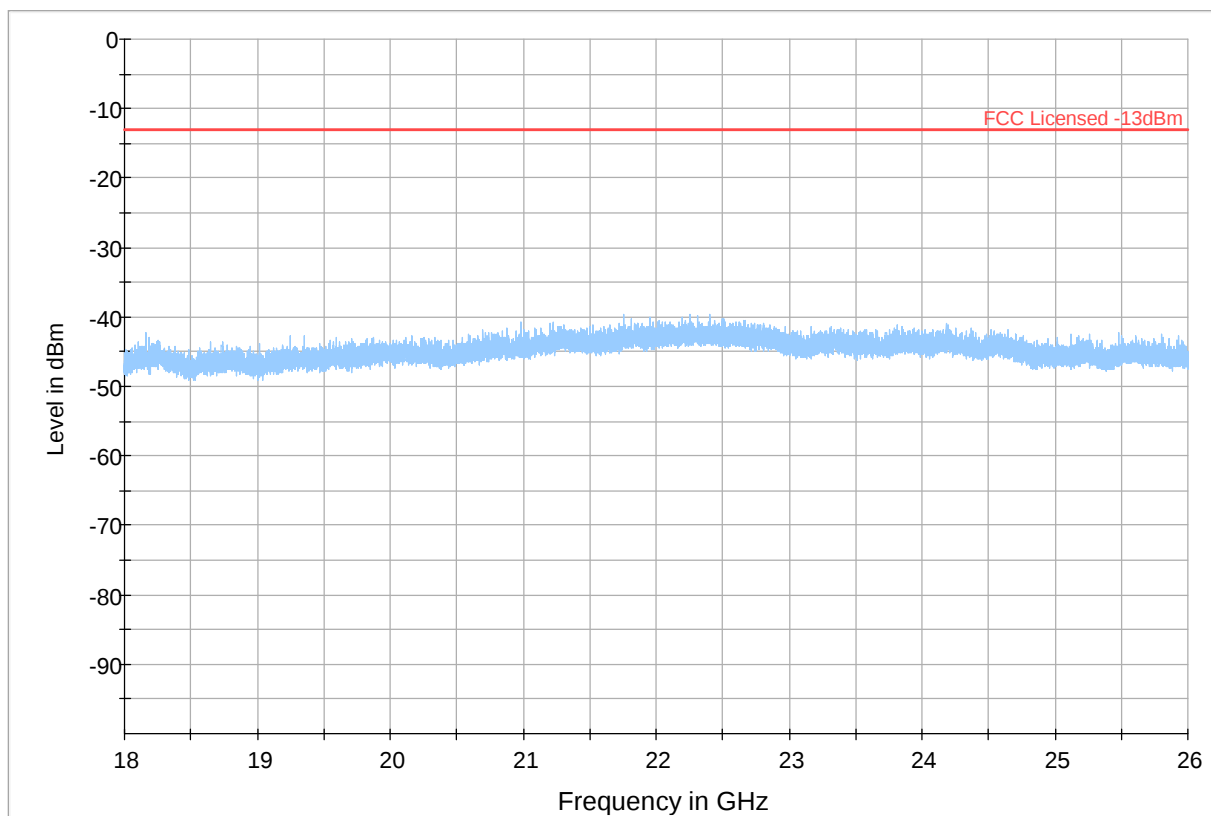
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11590.000	-18.71	-13.00	5.71	500.0	1000.000	260.0	V	-50.0	-91.1
17390.250	-21.59	-13.00	8.59	500.0	1000.000	210.0	V	21.0	-79.2



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 60 Radiated Emissions: 18 GHz – 26 GHz

Channel: Mid



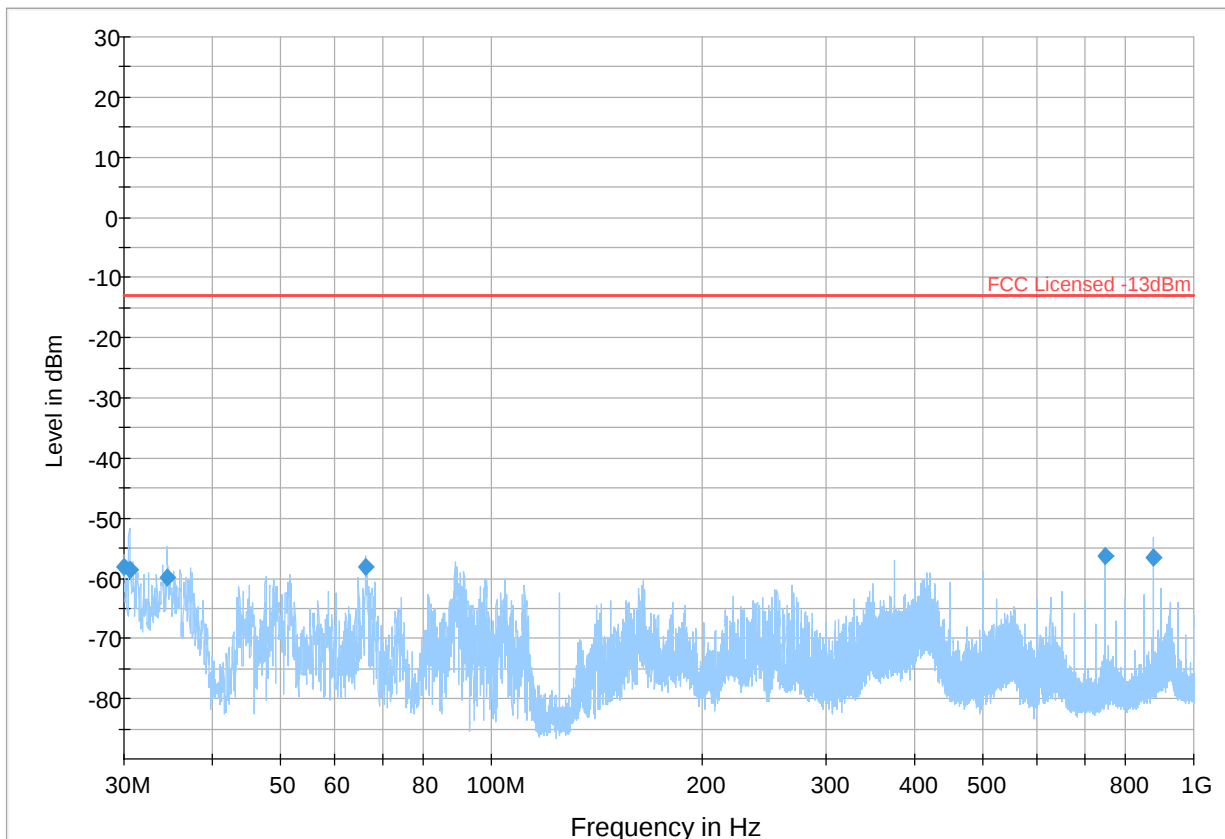
Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS Final_Result PK+

Plot # 61 Radiated Emissions: 30 MHz – 1GHz

Channel: High

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.000	-58.06	-13.00	45.06	500.0	120.000	107.0	V	-33.0	-112.5
30.558	-58.47	-13.00	45.47	500.0	120.000	107.0	V	-47.0	-112.9
34.608	-59.86	-13.00	46.86	500.0	120.000	107.0	V	24.0	-115.0
66.254	-58.16	-13.00	45.16	500.0	120.000	270.0	V	11.0	-123.9
749.983	-56.25	-13.00	43.25	500.0	120.000	120.0	H	215.0	-106.3
874.991	-56.63	-13.00	43.63	500.0	120.000	107.0	H	-75.0	-104.8



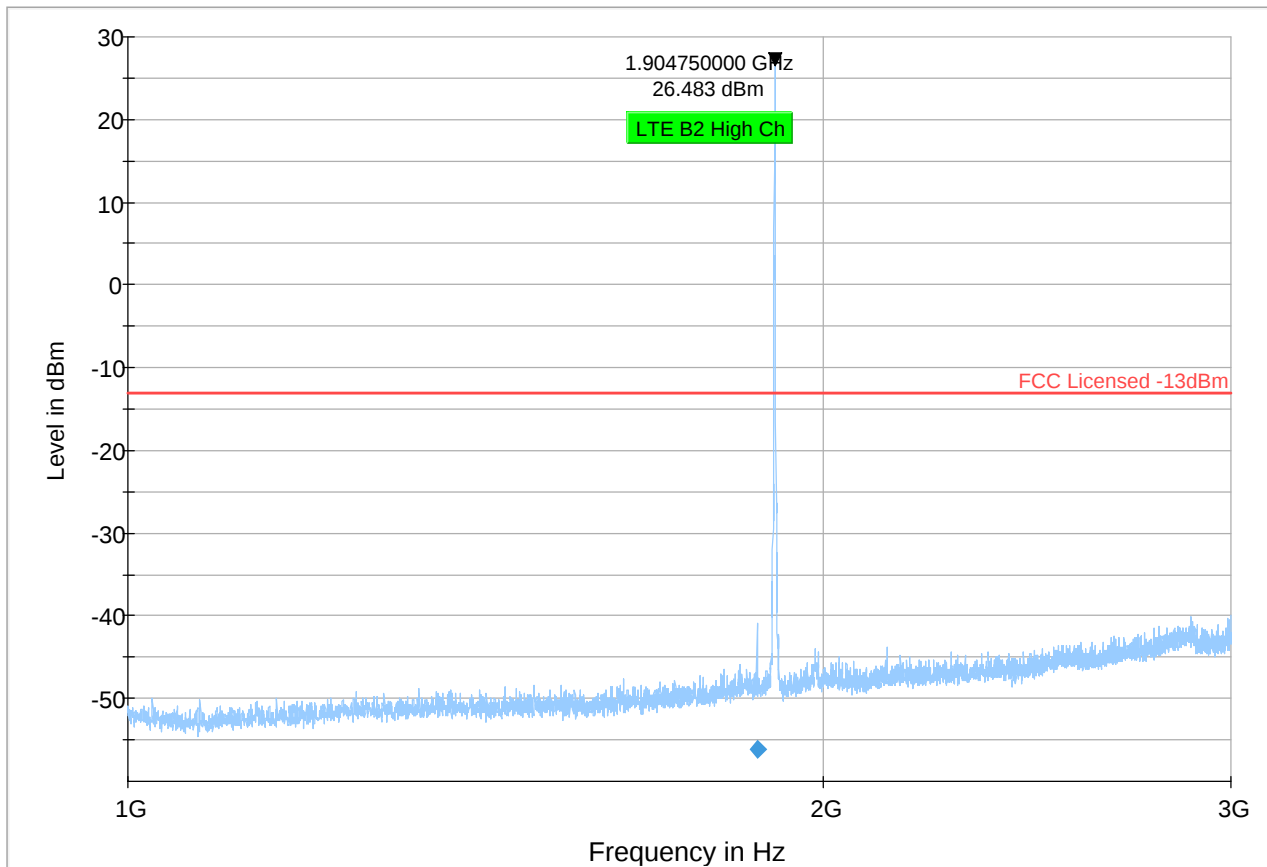
Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 62 Radiated Emissions: 1 GHz - 3 GHz

Channel: High

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1871.250	-56.05	-13.00	43.05	500.0	1000.000	325.0	V	335.0	-64.1



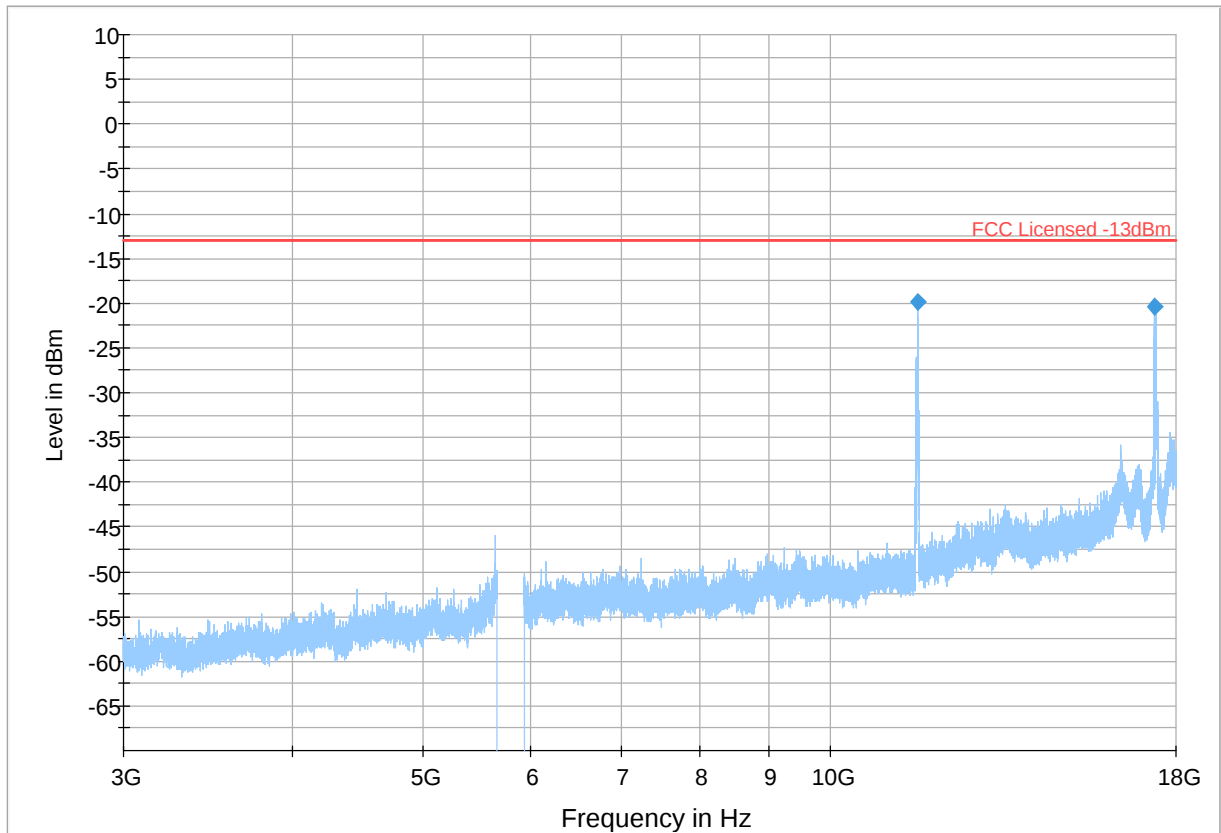
Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 63 Radiated Emissions: 3 GHz – 18 GHz

Channel: High

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11590.000	-19.92	-13.00	6.92	500.0	1000.000	235.0	V	309.0	-91.1
17375.250	-20.41	-13.00	7.41	500.0	1000.000	245.0	V	312.0	-79.3



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

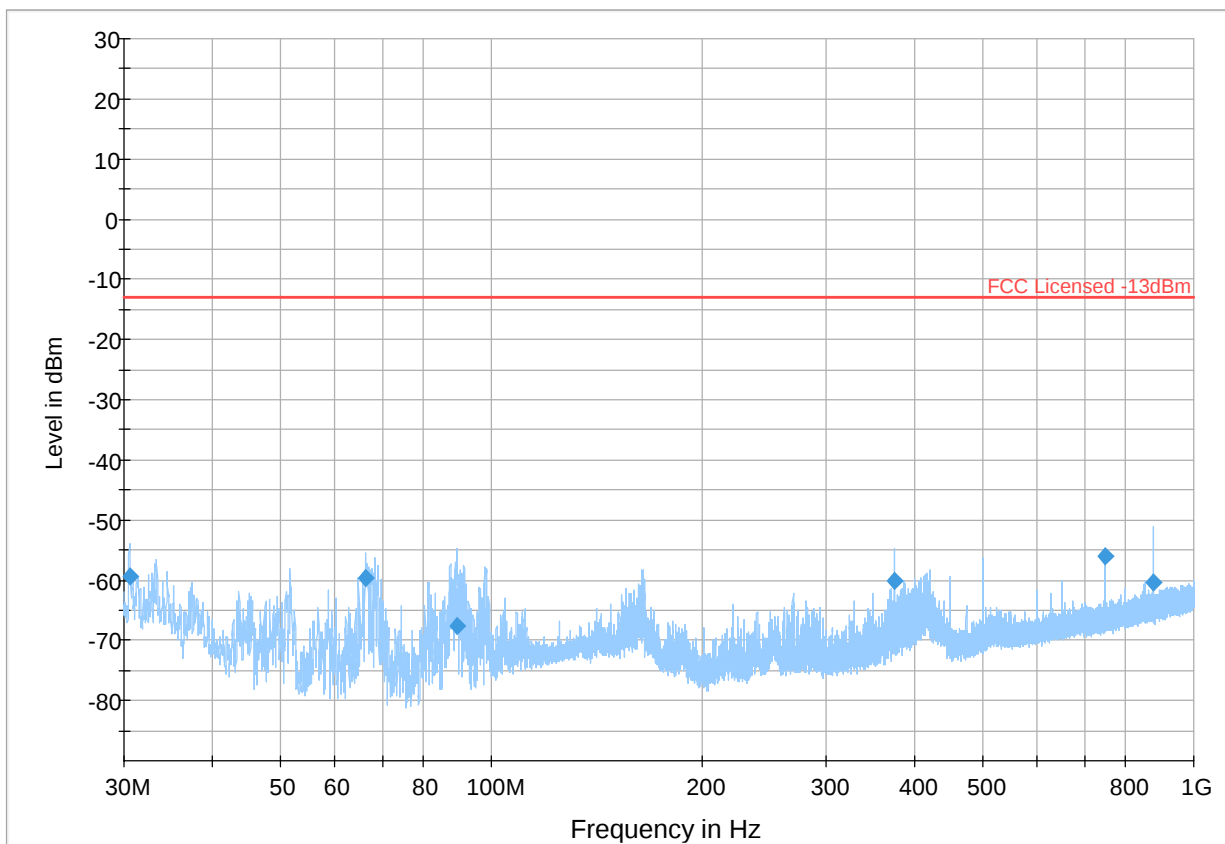
LTE 4

Plot # 64 Radiated Emissions: 30 MHz – 1GHz

Channel: Low

Final Result

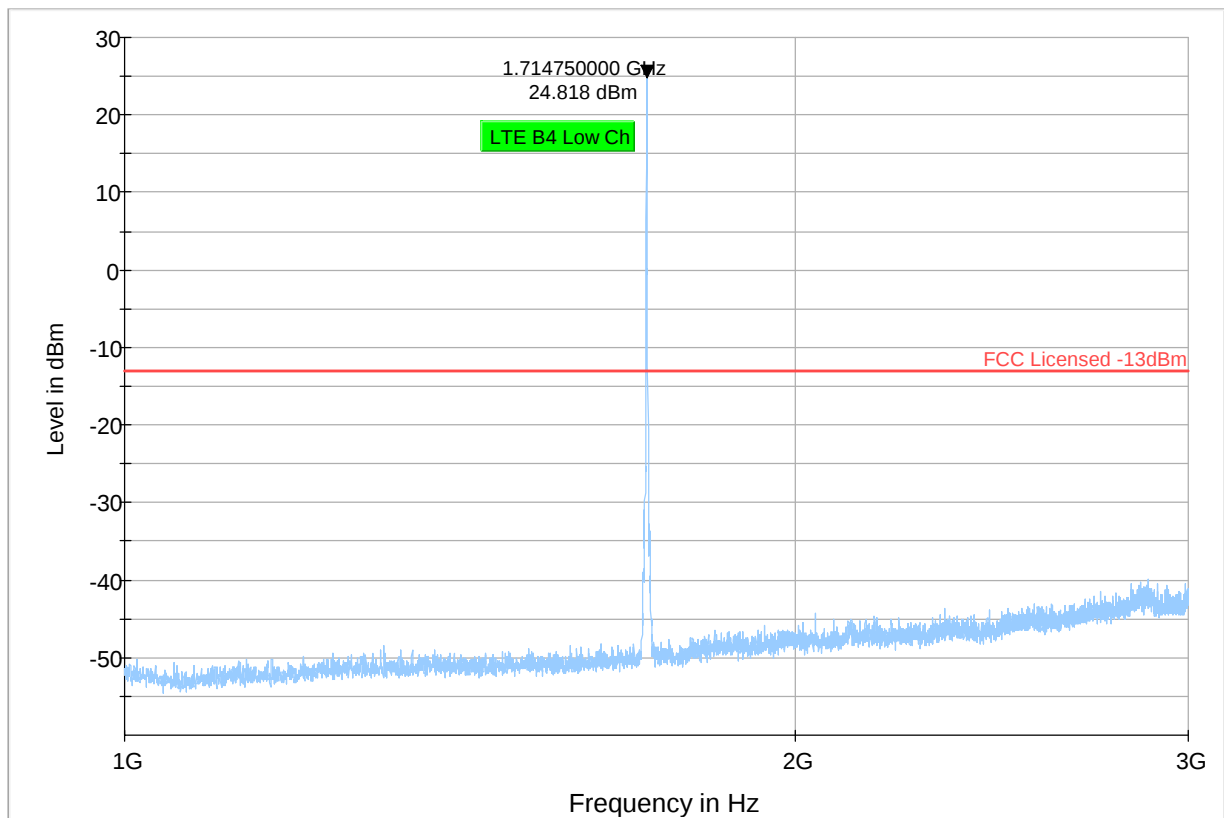
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.582	-59.45	-13.00	46.45	500.0	100.000	100.0	V	21.0	-77.3
66.205	-59.69	-13.00	46.69	500.0	100.000	249.0	V	15.0	-88.2
89.631	-67.65	-13.00	54.65	500.0	100.000	154.0	V	55.0	-83.4
374.981	-60.06	-13.00	47.06	500.0	100.000	100.0	H	174.0	-78.1
749.983	-56.01	-13.00	43.01	500.0	100.000	107.0	H	221.0	-71.4
874.991	-60.44	-13.00	47.44	500.0	100.000	263.0	H	-45.0	-69.9



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 65 Radiated Emissions: 1 GHz - 3 GHz

Channel: Low



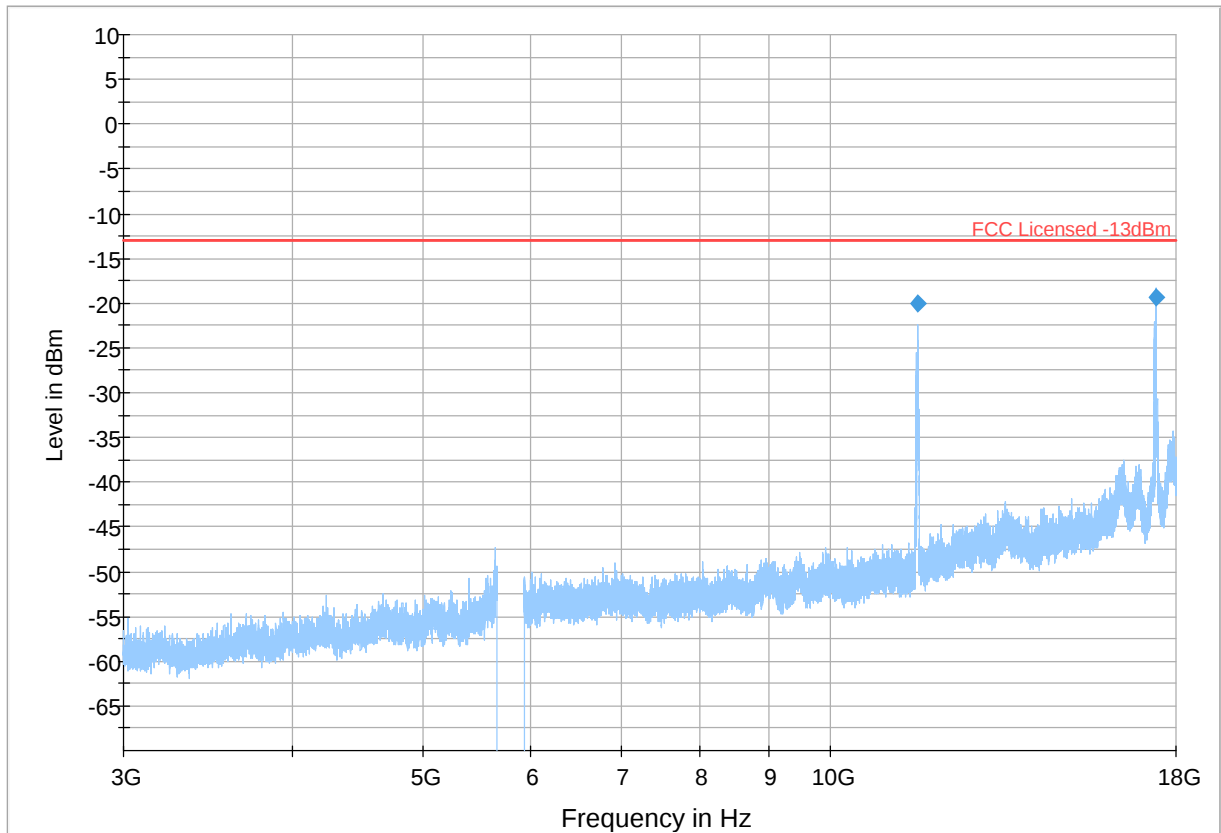
Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
◆ Final_Result RMS ◆ Final_Result PK+

Plot # 66 Radiated Emissions: 3 GHz – 18 GHz

Channel: Low

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11589.750	-19.96	-13.00	6.96	500.0	1000.000	259.0	V	309.0	-91.1
17390.500	-19.41	-13.00	6.41	500.0	1000.000	248.0	V	310.0	-79.2



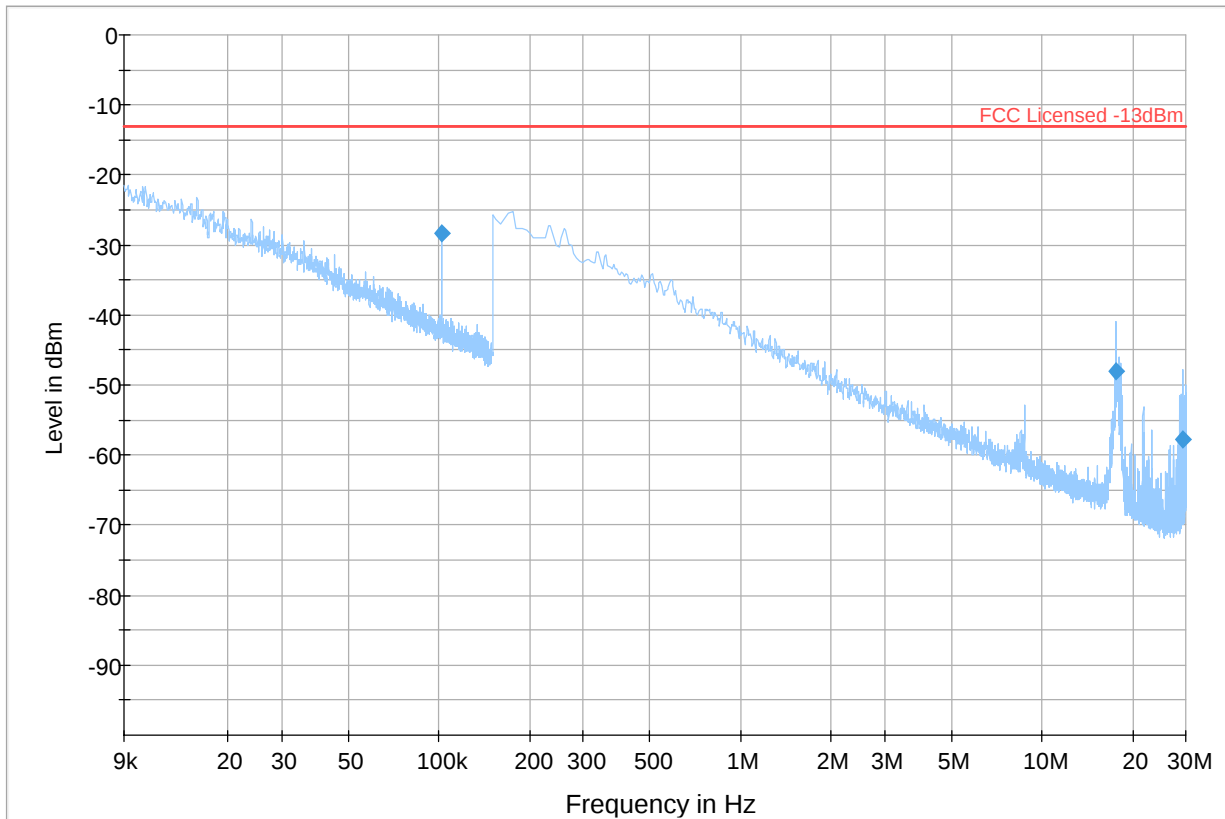
— Preview Result 1-PK+ — FCC Licensed -13dBm ◆ Final_Result RMS ◆ Final_Result PK:

Plot # 67 Radiated Emissions: 9 kHz - 30 MHz

Channel: Mid

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.102	-28.24	-13.00	15.24	500.0	9.000	100.0	V	298.0	-76.3
17.692	-48.09	-13.00	35.09	500.0	9.000	159.0	V	308.0	-78.3
29.234	-57.79	-13.00	44.79	500.0	9.000	133.0	H	85.0	-79.0



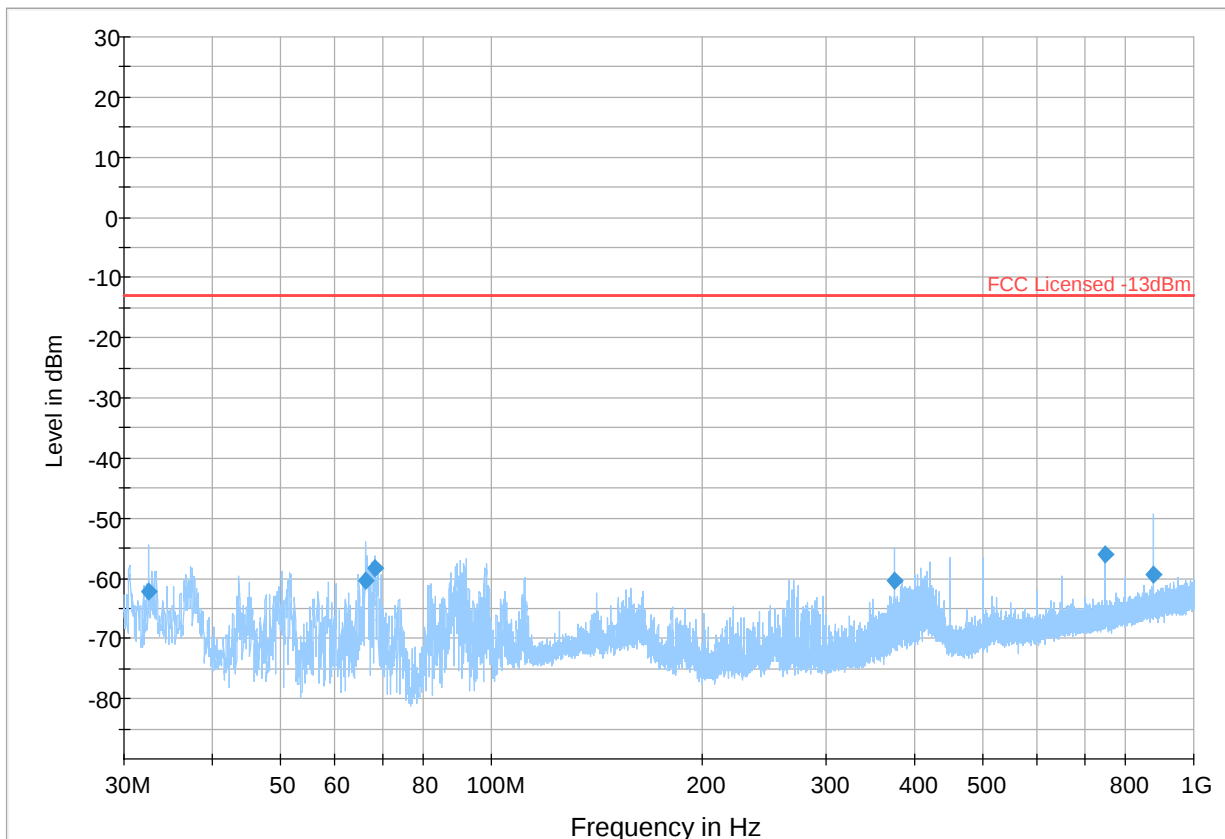
— Preview Result 1-PK+ * PK+ — FCC Licensed -13dBm
◆ Final_Result RMS ◆ Final_Result PK+

Plot # 68 Radiated Emissions: 30 MHz – 1GHz

Channel: Mid

Final Result

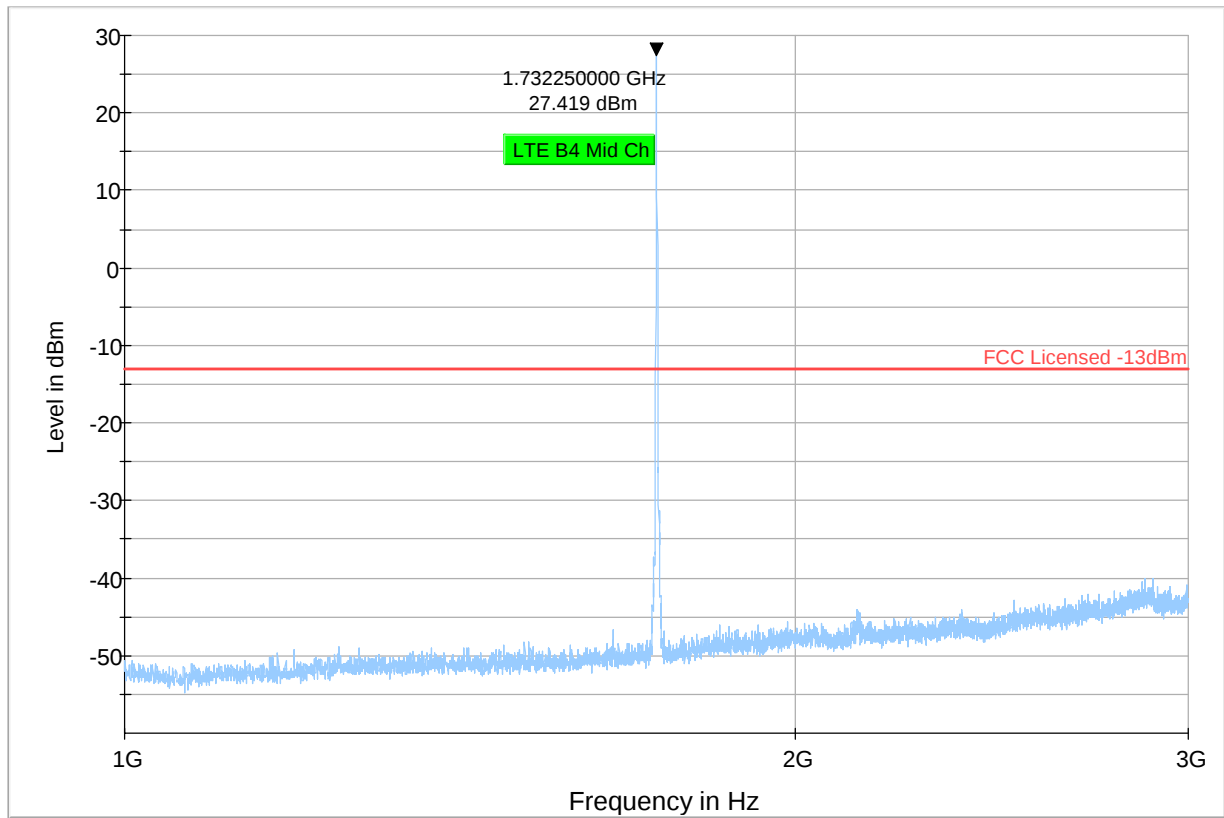
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
32.571	-62.09	-13.00	49.09	500.0	100.000	100.0	V	53.0	-78.4
66.230	-60.45	-13.00	47.45	500.0	100.000	265.0	V	343.0	-88.2
68.218	-58.35	-13.00	45.35	500.0	100.000	252.0	V	45.0	-88.1
374.981	-60.33	-13.00	47.33	500.0	100.000	107.0	H	82.0	-78.1
749.983	-56.01	-13.00	43.01	500.0	100.000	116.0	H	231.0	-71.4
874.991	-59.34	-13.00	46.34	500.0	100.000	275.0	H	-45.0	-69.9



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 69 Radiated Emissions: 1 GHz - 3 GHz

Channel: Mid



Preview Result 1-PK+
Final_Result RMS

* Critical_Freqs PK+
Final_Result PK+

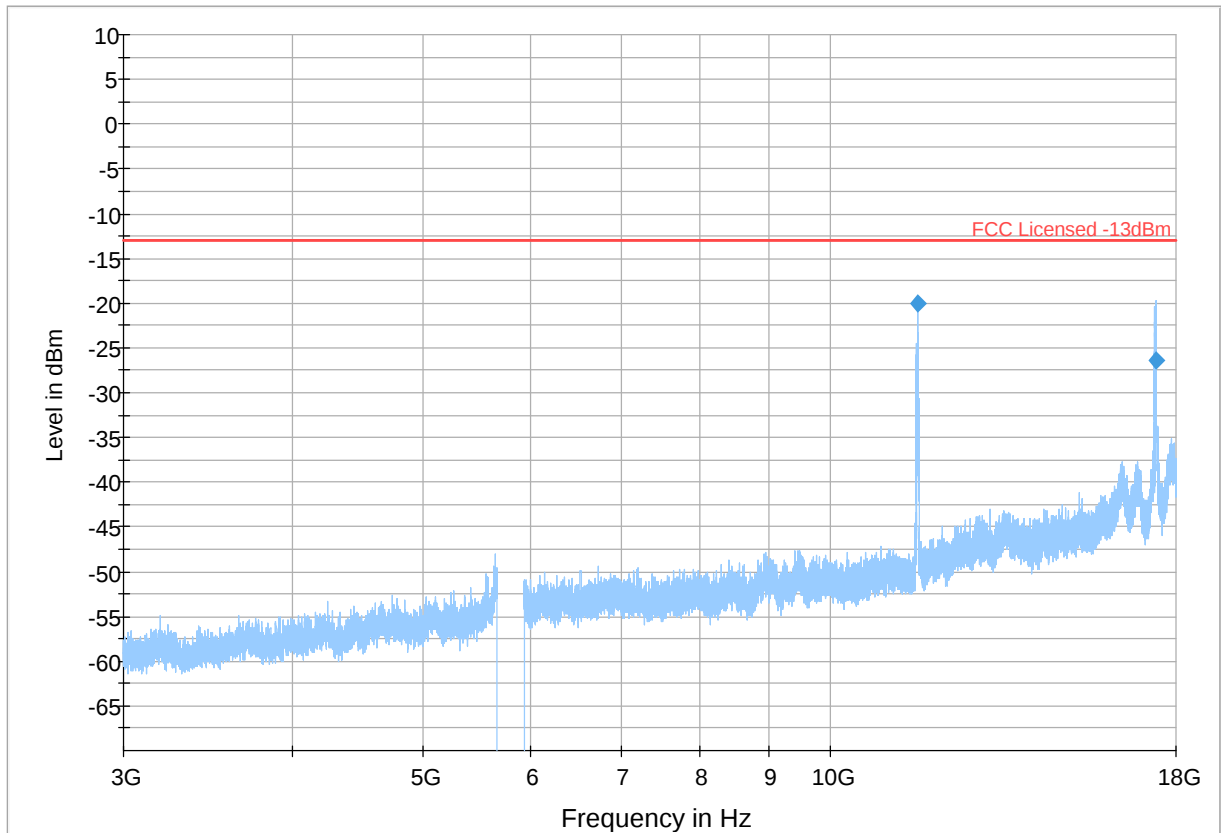
FCC Licensed -13dBm

Plot # 70 Radiated Emissions: 3 GHz – 18 GHz

Channel: Mid

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11590.000	-20.03	-13.00	7.03	500.0	1000.000	288.0	V	308.0	-91.1
17389.500	-26.33	-13.00	13.33	500.0	1000.000	242.0	V	113.0	-79.2



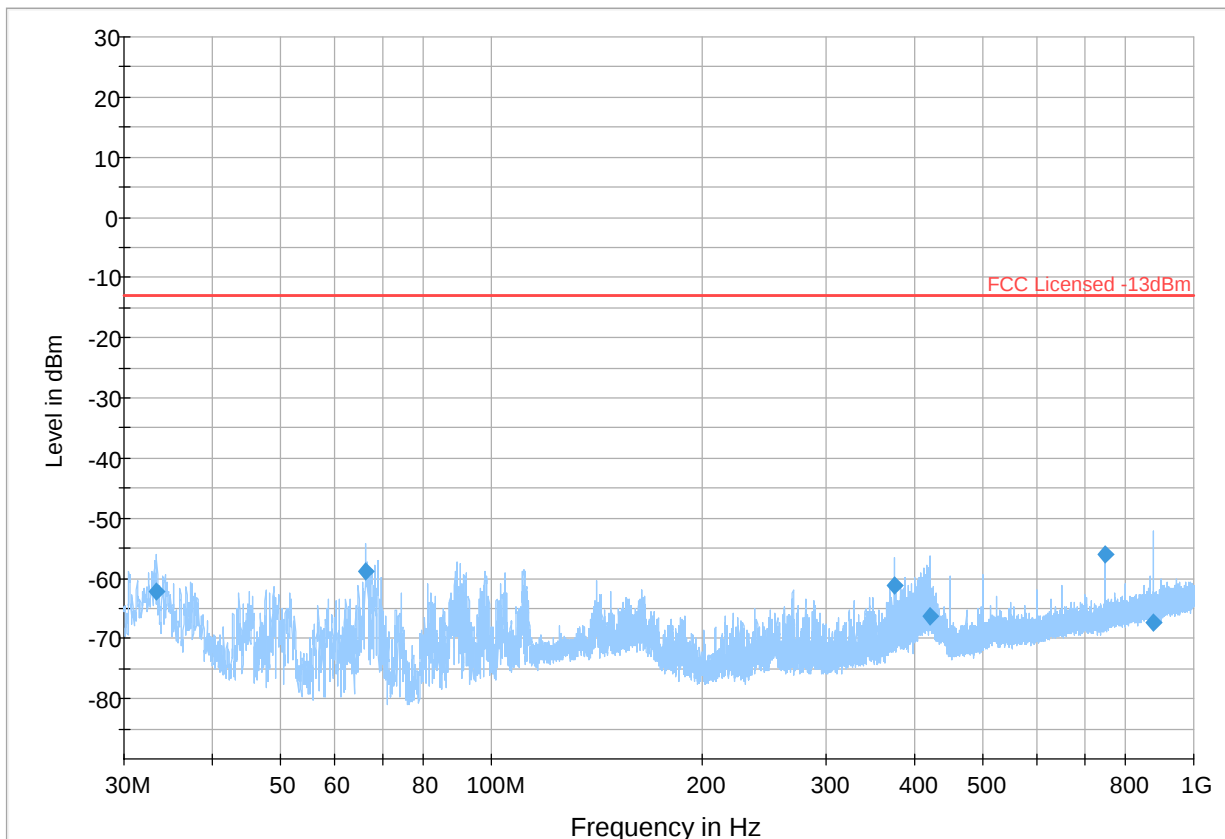
Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK:

Plot # 71 Radiated Emissions: 30 MHz – 1GHz

Channel: High

Final Result

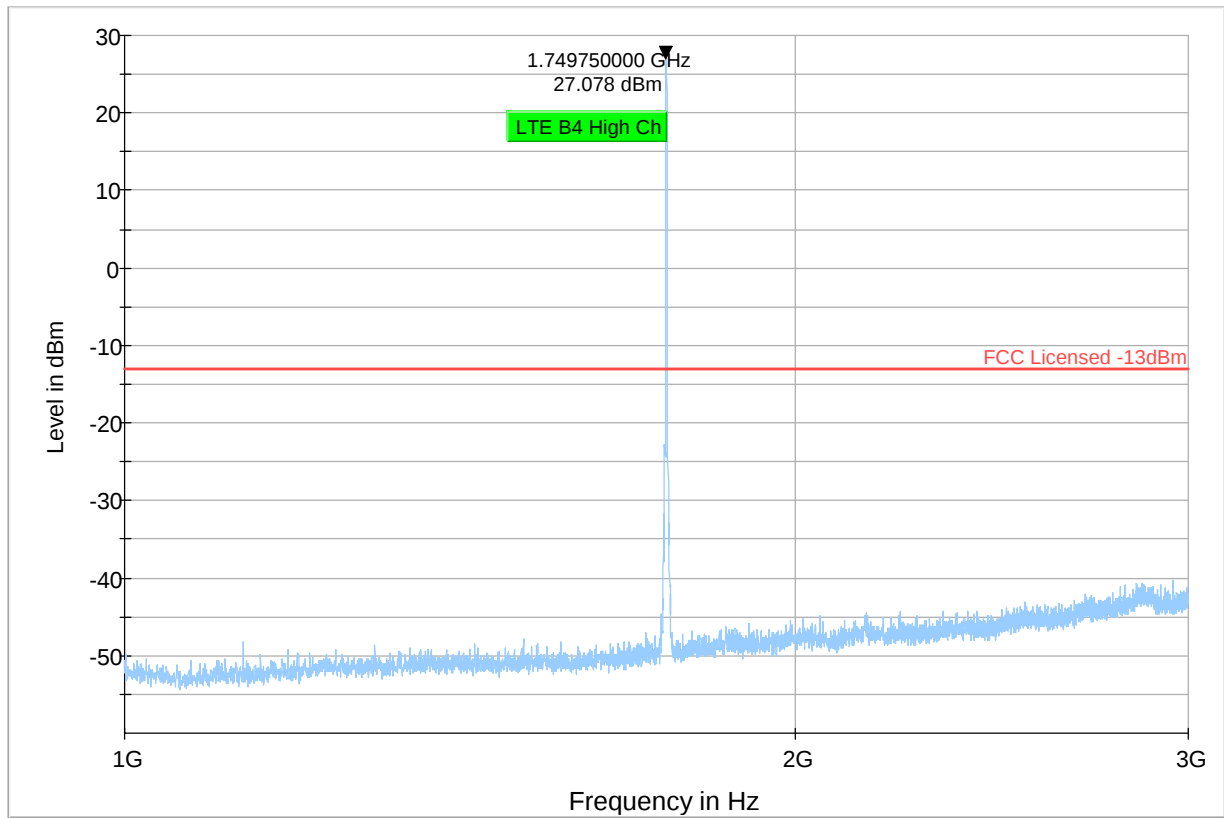
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
33.419	-62.20	-13.00	49.20	500.0	100.000	125.0	V	12.0	-78.8
66.254	-58.91	-13.00	45.91	500.0	100.000	209.0	V	-45.0	-88.2
374.981	-61.08	-13.00	48.08	500.0	100.000	100.0	H	198.0	-78.1
421.250	-66.42	-13.00	53.42	500.0	100.000	107.0	H	187.0	-76.7
749.983	-55.98	-13.00	42.98	500.0	100.000	125.0	H	209.0	-71.4
874.991	-67.26	-13.00	54.26	500.0	100.000	241.0	H	-41.0	-69.9



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 72 Radiated Emissions: 1 GHz - 3 GHz

Channel: High



Preview Result 1-PK+
Final Result RMS

* Critical_Freqs PK+
◆ Final Result PK+

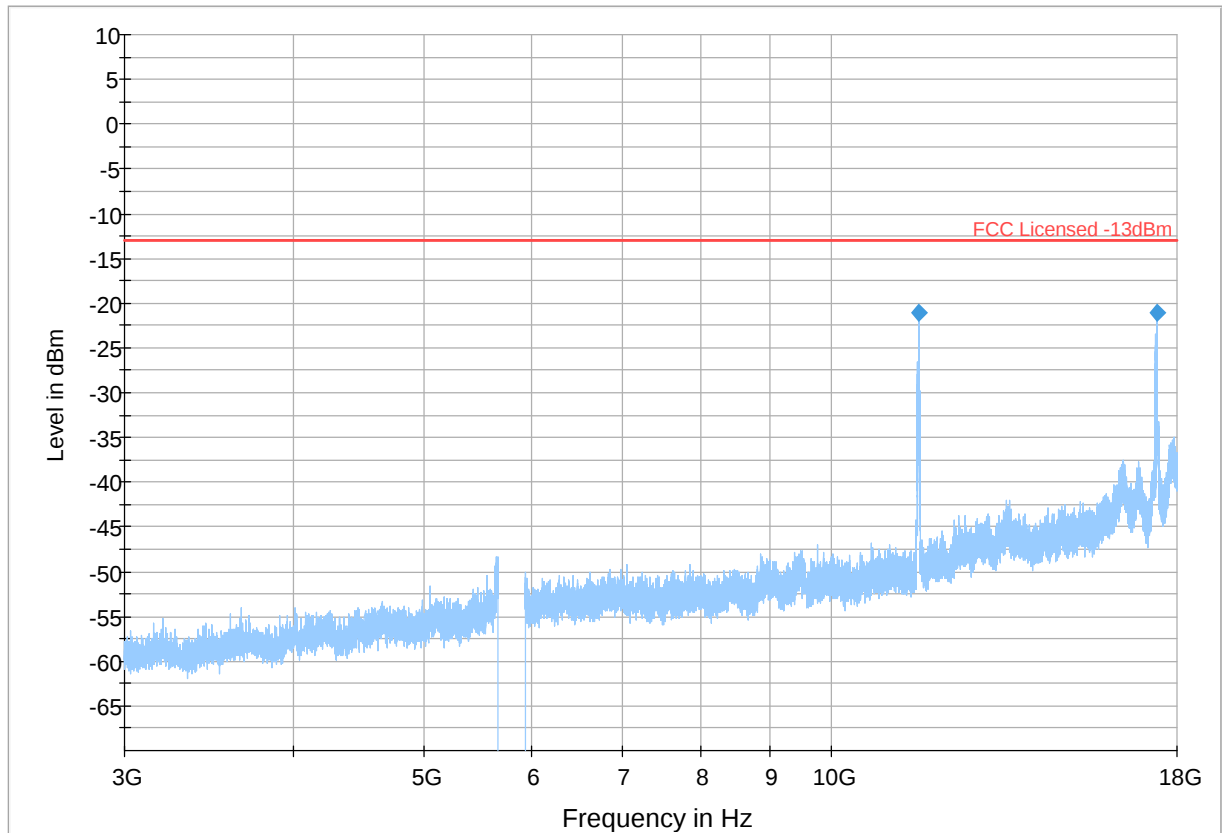
FCC Licensed -13dBm

Plot # 73 Radiated Emissions: 3 GHz – 18 GHz

Channel: High

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11588.750	-21.04	-13.00	8.04	500.0	1000.000	267.0	V	327.0	-91.1
17385.500	-20.99	-13.00	7.99	500.0	1000.000	270.0	V	308.0	-79.2

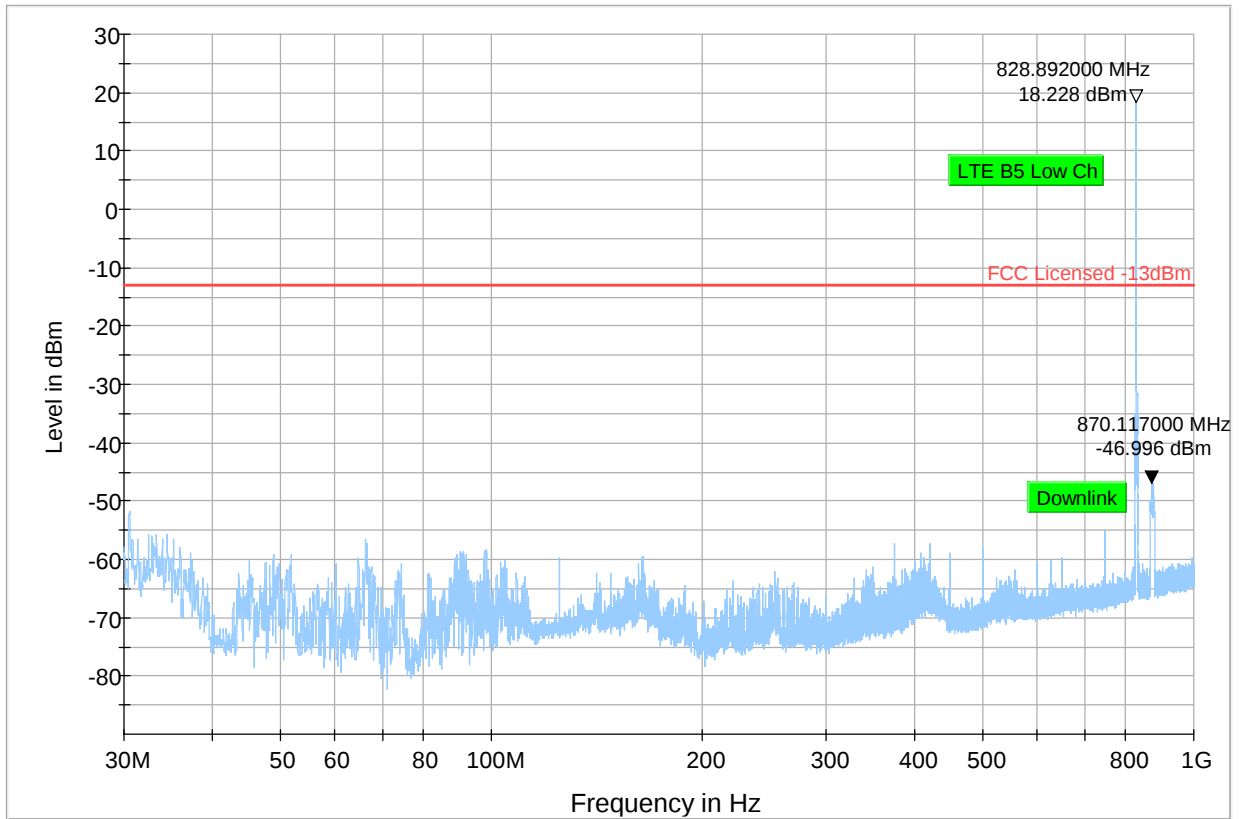


Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK:

LTE 5

Plot # 74 Radiated Emissions: 30 MHz – 1GHz

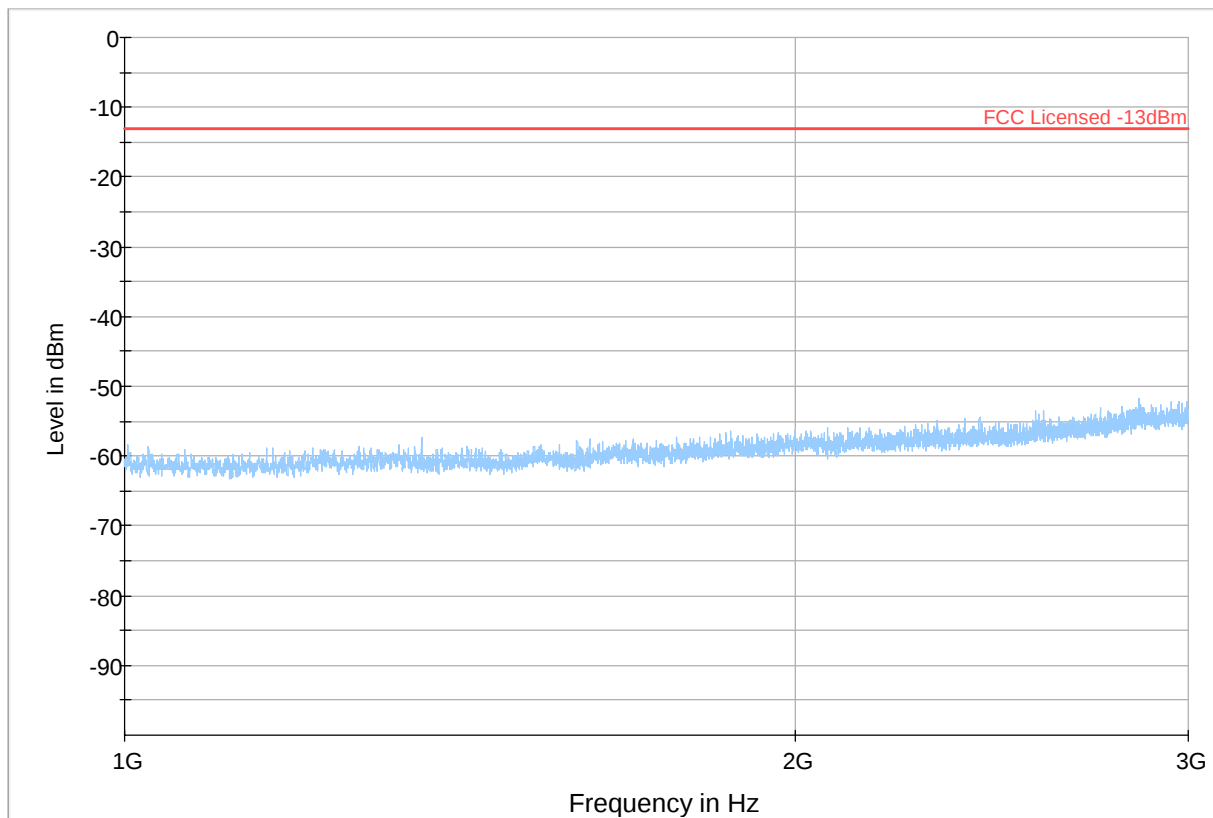
Channel: Low



Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS ◆ Final_Result PK+

Plot # 75 Radiated Emissions: 1 GHz - 3 GHz

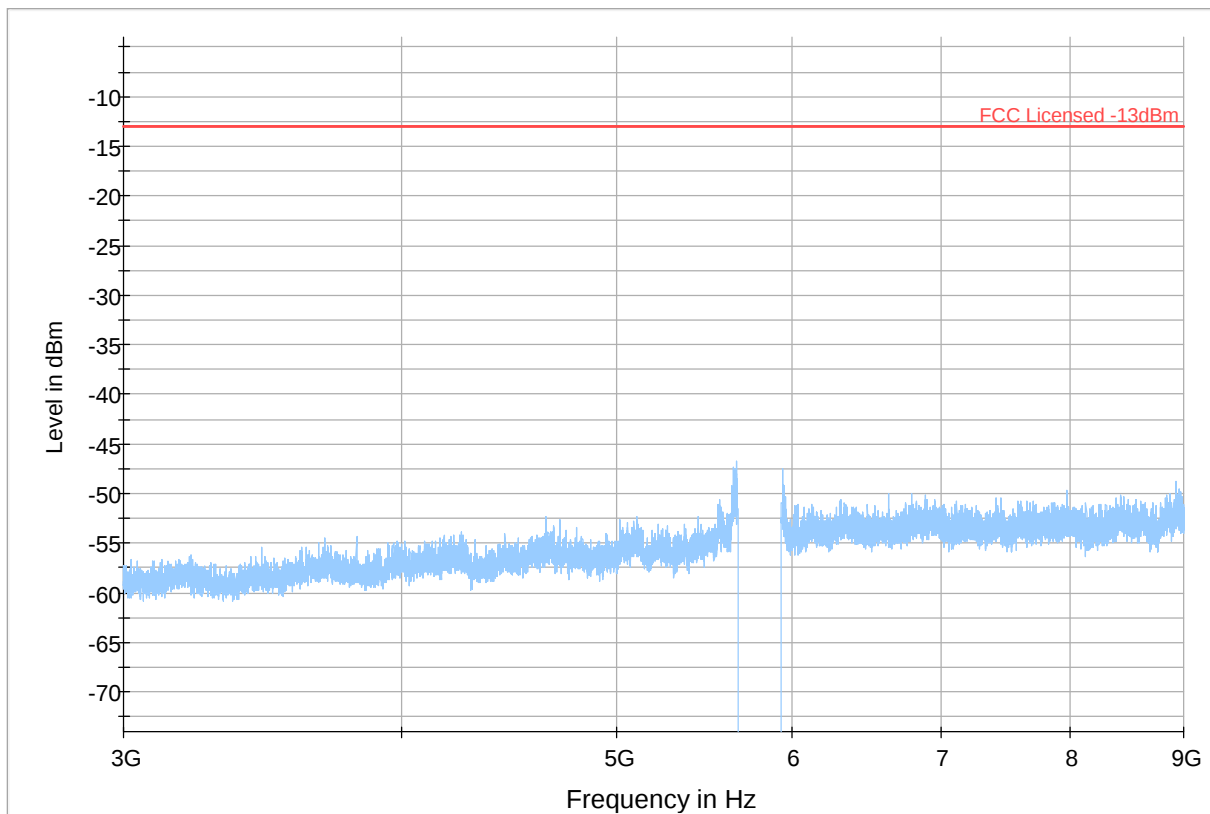
Channel: Low



— Preview Result 1-PK+ * Critical_Freqs PK+ — FCC Licensed -13dBm
◆ Final_Result RMS ◆ Final_Result PK+

Plot # 76 Radiated Emissions: 3 GHz – 9 GHz

Channel: Low



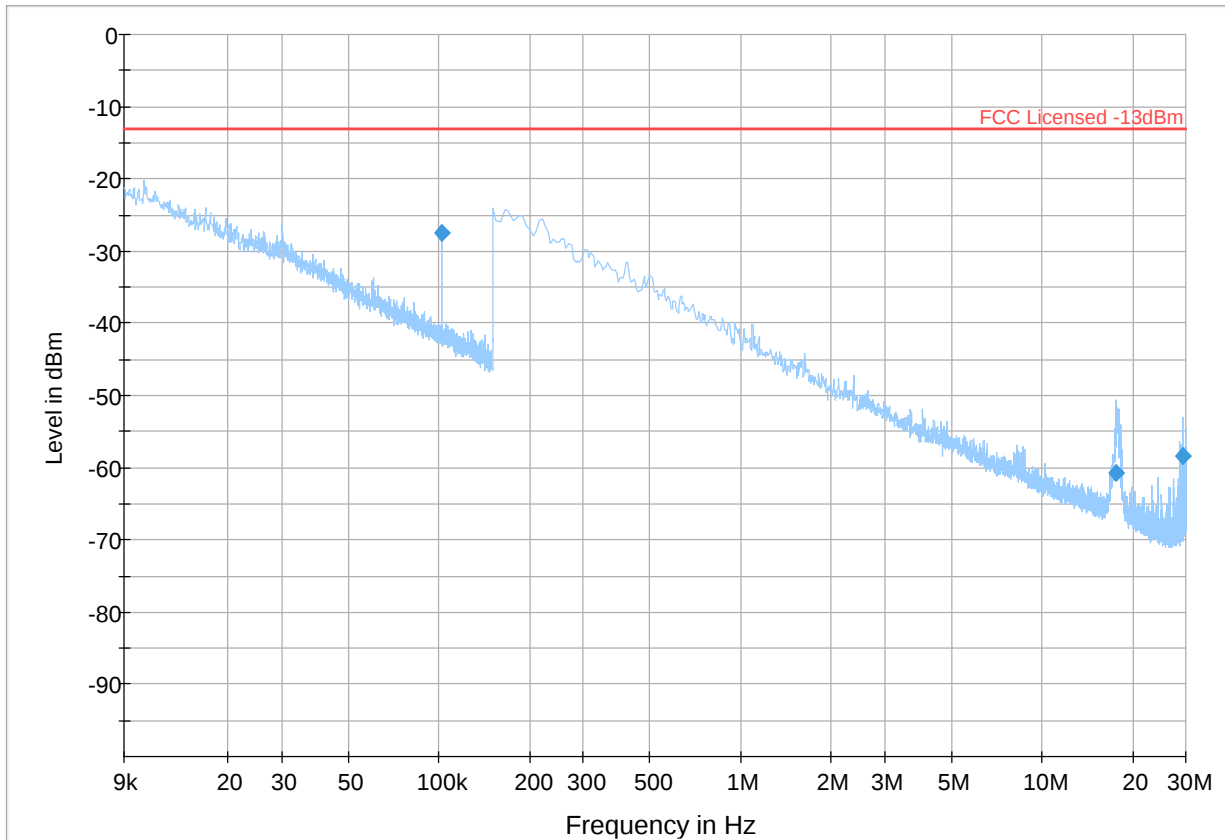
Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS Final_Result PK+

Plot # 77 Radiated Emissions: 9 kHz - 30 MHz

Channel: Mid

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.102	-27.39	-13.00	14.39	500.0	9.000	100.0	V	112.0	-76.3
17.692	-60.76	-13.00	47.76	500.0	9.000	167.0	V	220.0	-78.3
29.239	-58.29	-13.00	45.29	500.0	9.000	200.0	V	303.0	-79.0



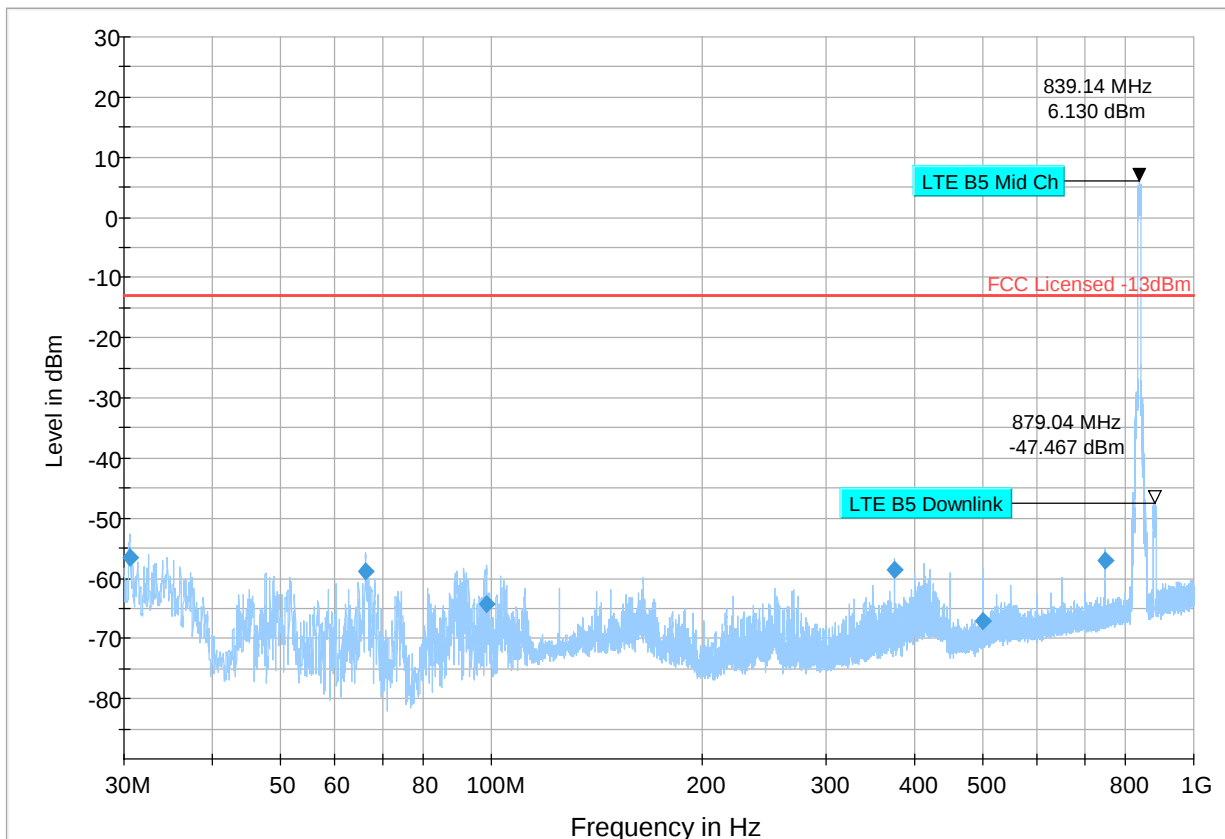
— Preview Result 1-PK+ — FCC Licensed -13dBm ◆ Final_Result RMS ◆ Final_Result PK

Plot # 78 Radiated Emissions: 30 MHz – 1GHz

Channel: Mid

Final Result

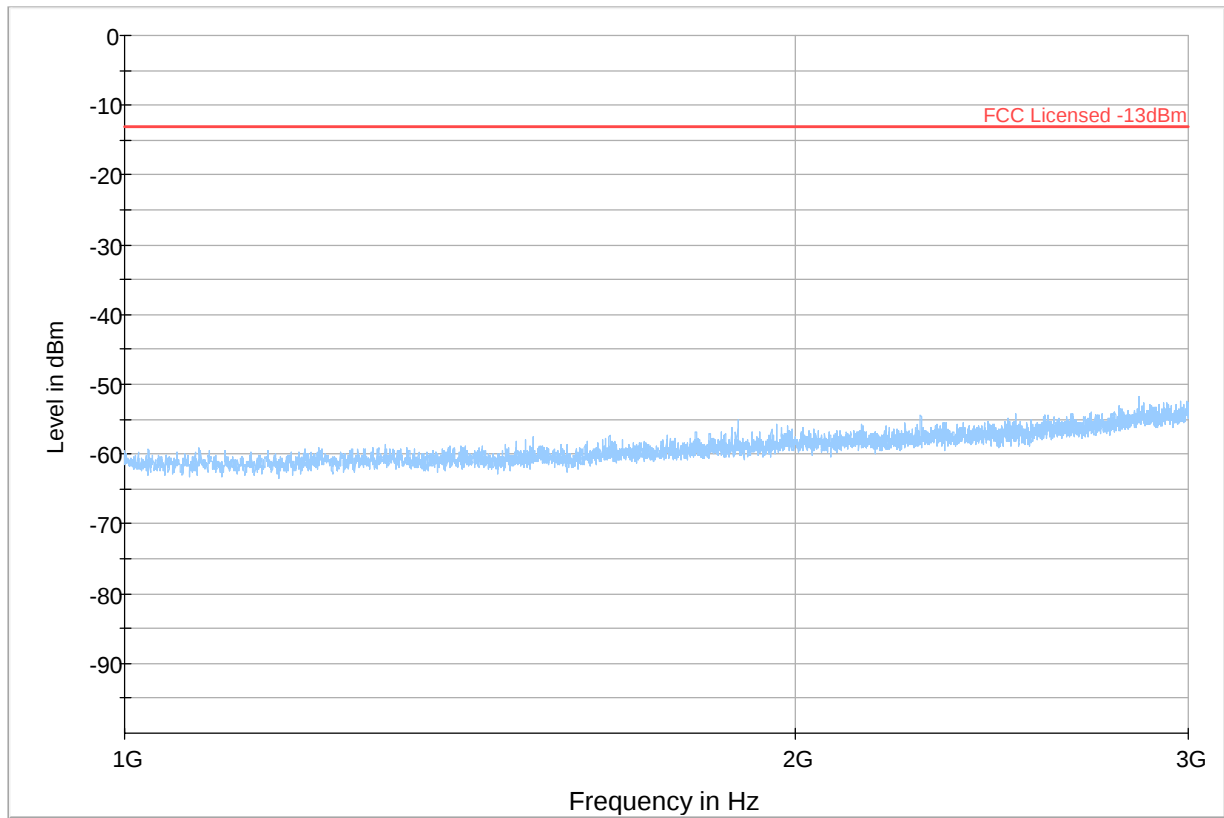
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.582	-56.52	-13.00	43.52	500.0	100.000	100.0	V	-18.0	-77.3
66.246	-58.82	-13.00	45.82	500.0	100.000	237.0	V	-30.0	-88.2
98.385	-64.19	-13.00	51.19	500.0	100.000	100.0	V	54.0	-81.6
374.997	-58.63	-13.00	45.63	500.0	100.000	100.0	H	212.0	-78.1
499.997	-67.03	-13.00	54.03	500.0	100.000	234.0	H	50.0	-75.3
749.966	-57.06	-13.00	44.06	500.0	100.000	117.0	H	219.0	-71.4



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 79 Radiated Emissions: 1 GHz - 3 GHz

Channel: Mid



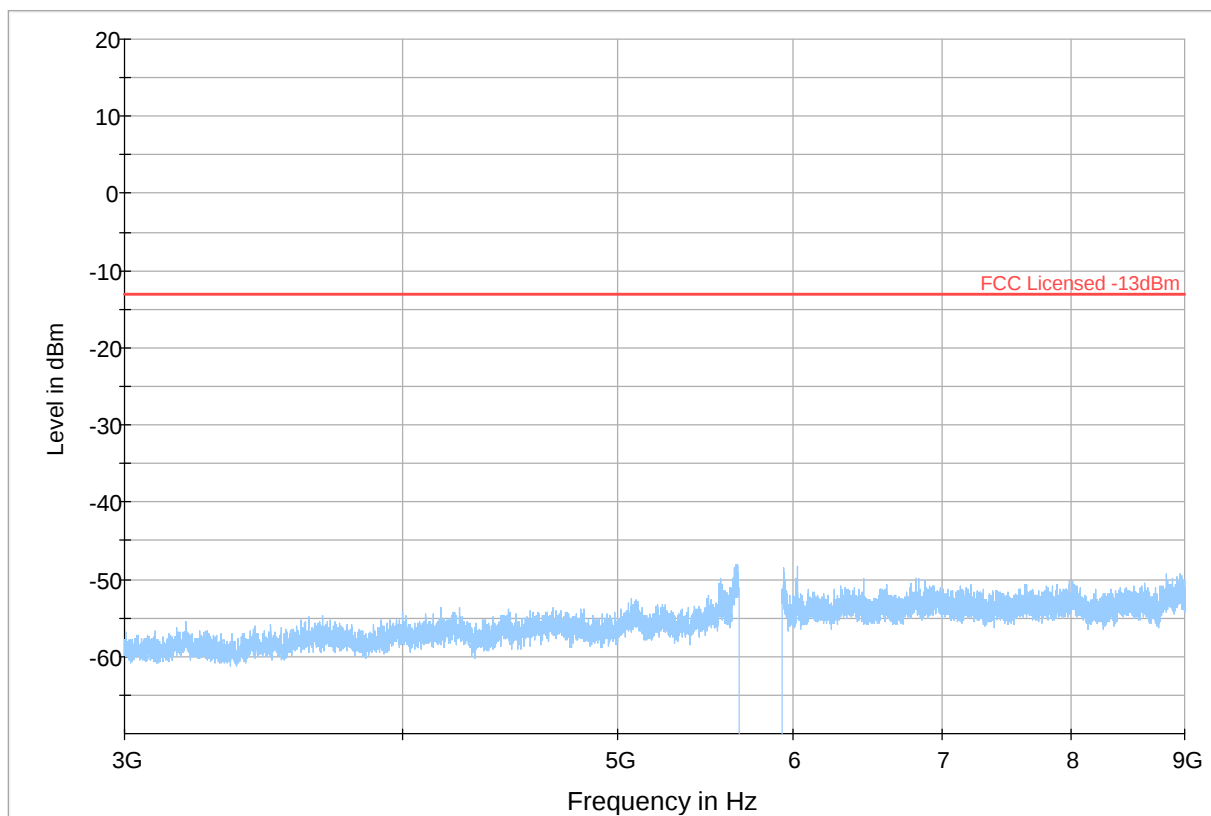
Preview Result 1-PK+
Final_Result RMS

* Critical_Freqs PK+
Final_Result PK+

FCC Licensed -13dBm

Plot # 80 Radiated Emissions: 3 GHz – 9 GHz

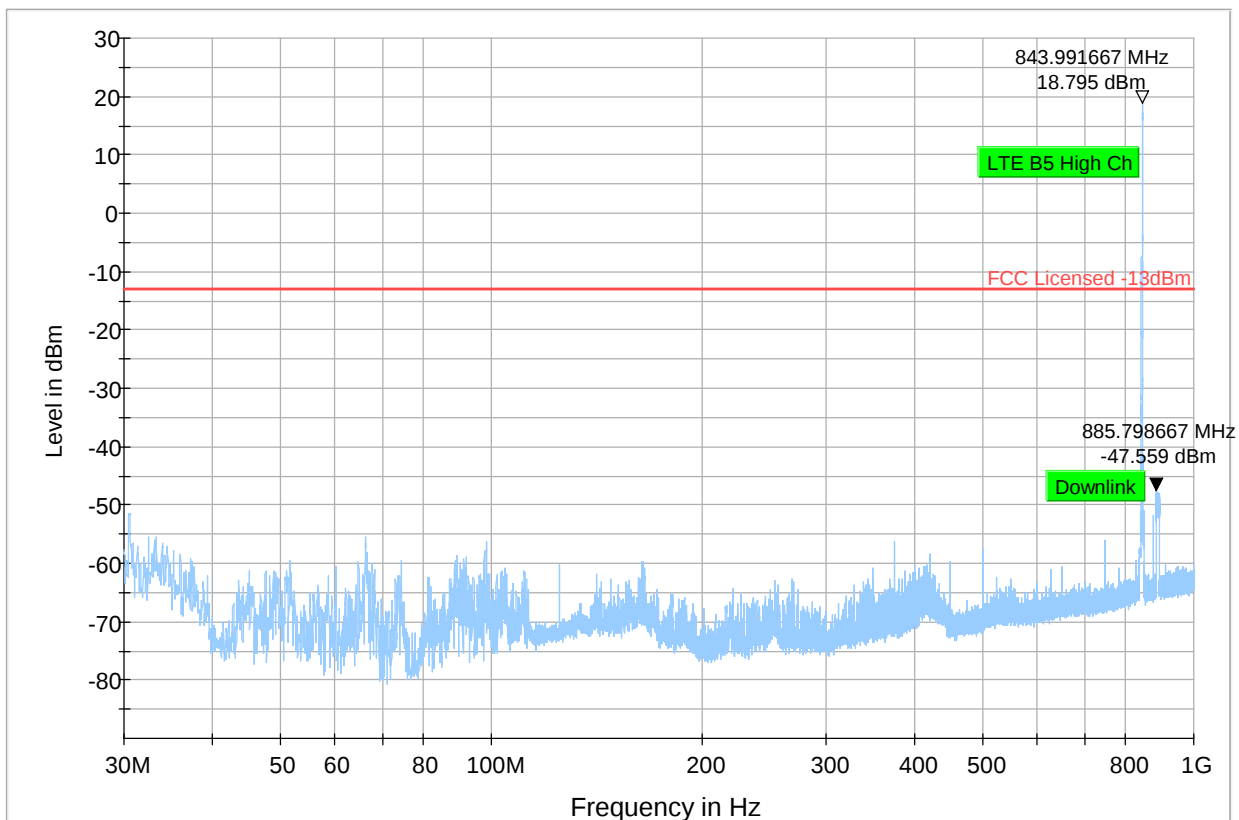
Channel: Mid



Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS * Final_Result PK+

Plot # 81 Radiated Emissions: 30 MHz – 1GHz

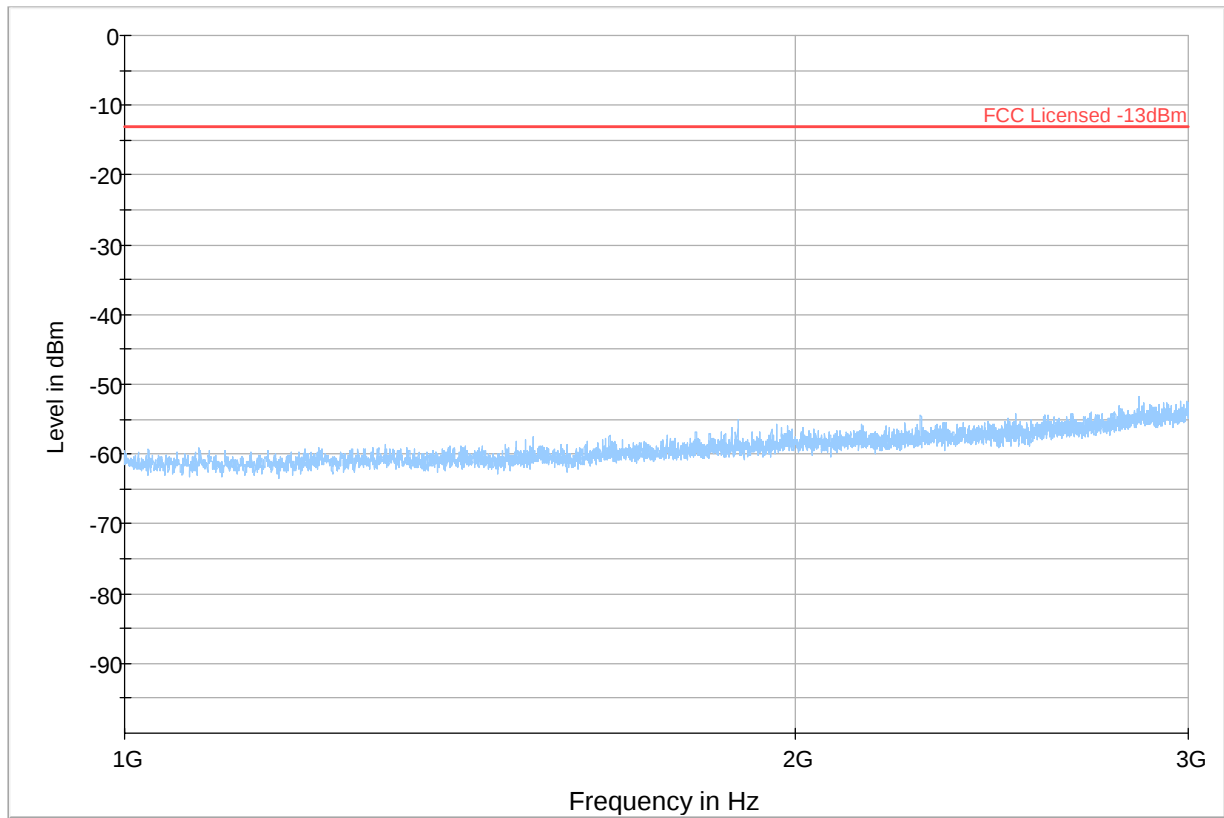
Channel: High



Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS ◆ Final_Result PK+

Plot # 82 Radiated Emissions: 1 GHz - 3 GHz

Channel: High



Preview Result 1-PK+
Final_Result RMS

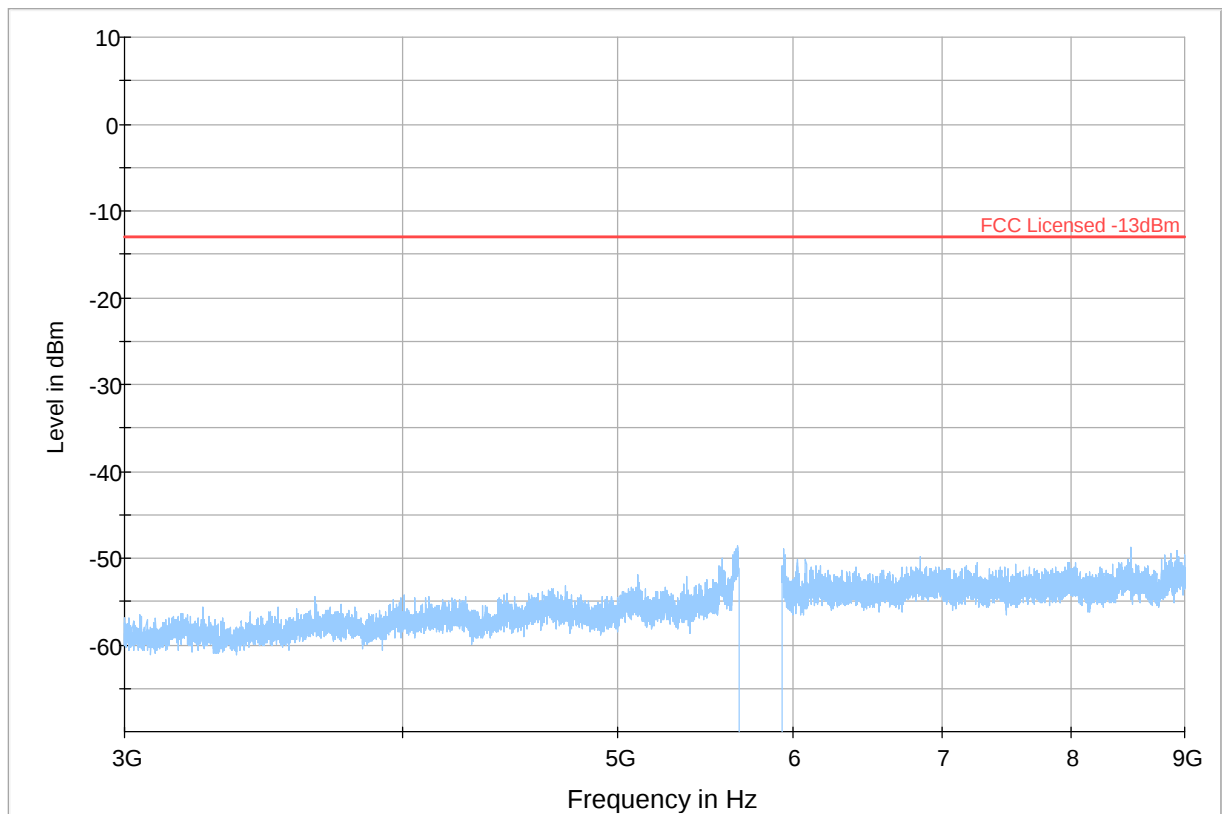


Critical_Freqs PK+
Final_Result PK+

FCC Licensed -13dBm

Plot # 83 Radiated Emissions: 3 GHz – 9 GHz

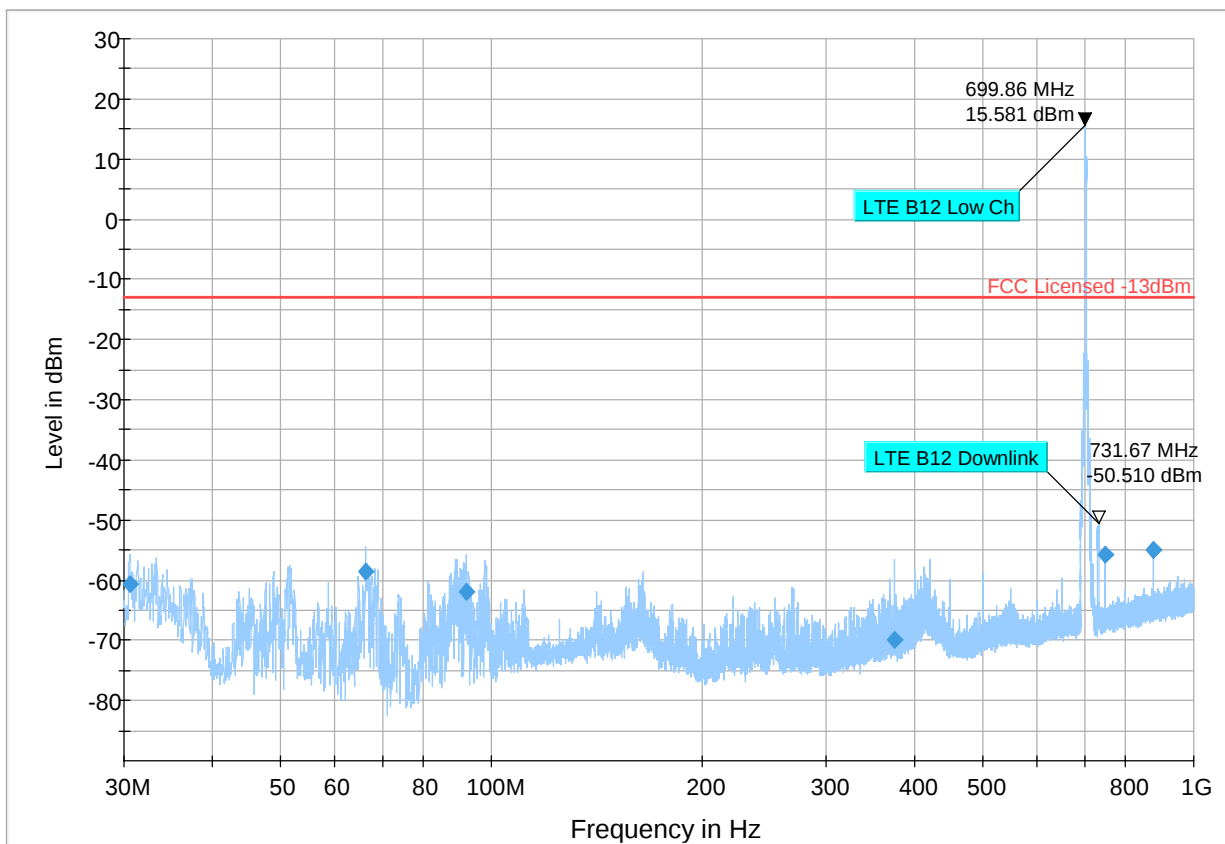
Channel: High



Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS * Final_Result PK+

LTE 12**Plot # 84 Radiated Emissions: 30 MHz – 1GHz****Channel: Low****Final_Result**

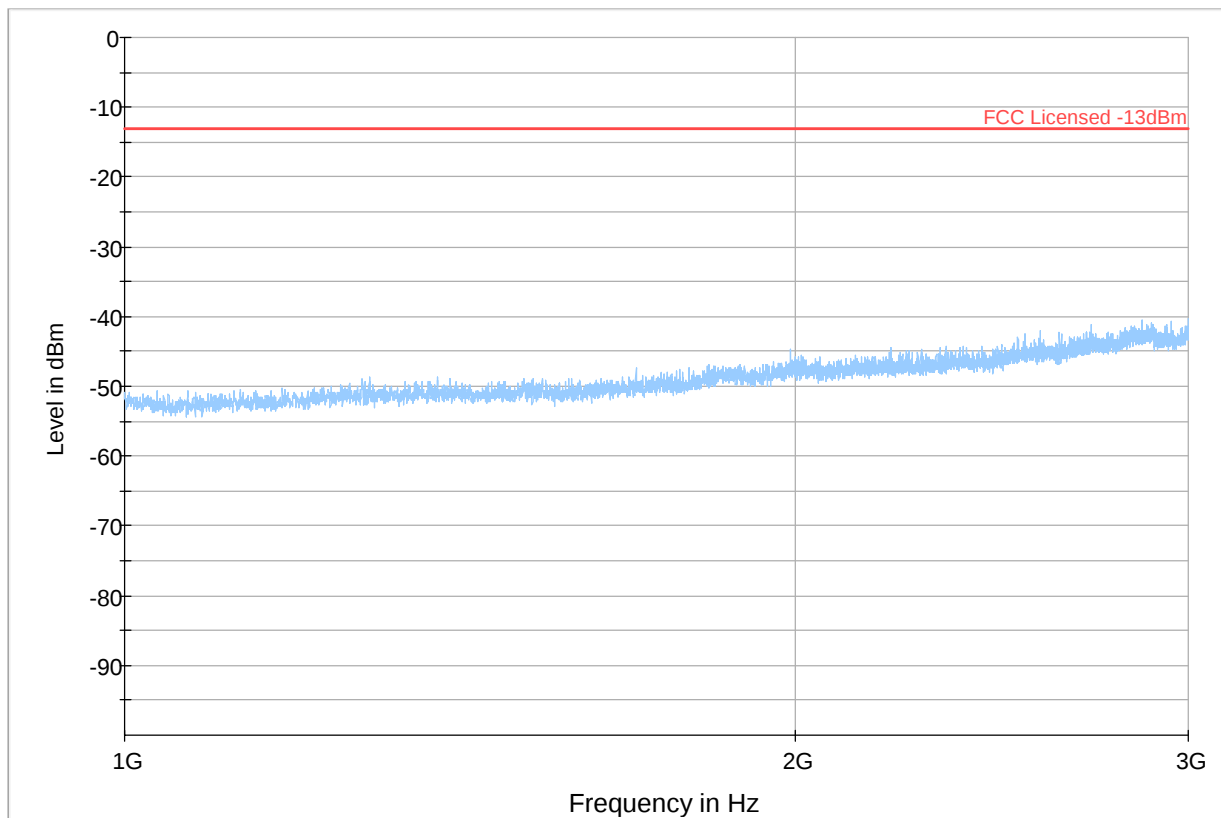
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.606	-60.56	-13.00	47.56	500.0	100.000	107.0	V	46.0	-77.4
66.254	-58.67	-13.00	45.67	500.0	100.000	243.0	V	320.0	-88.2
92.371	-61.96	-13.00	48.96	500.0	100.000	107.0	V	307.0	-82.8
374.981	-69.92	-13.00	56.92	500.0	100.000	142.0	H	-45.0	-78.1
749.983	-55.68	-13.00	42.68	500.0	100.000	133.0	H	212.0	-71.4
874.991	-54.90	-13.00	41.90	500.0	100.000	217.0	H	1.0	-69.9



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 85 Radiated Emissions: 1 GHz - 3 GHz

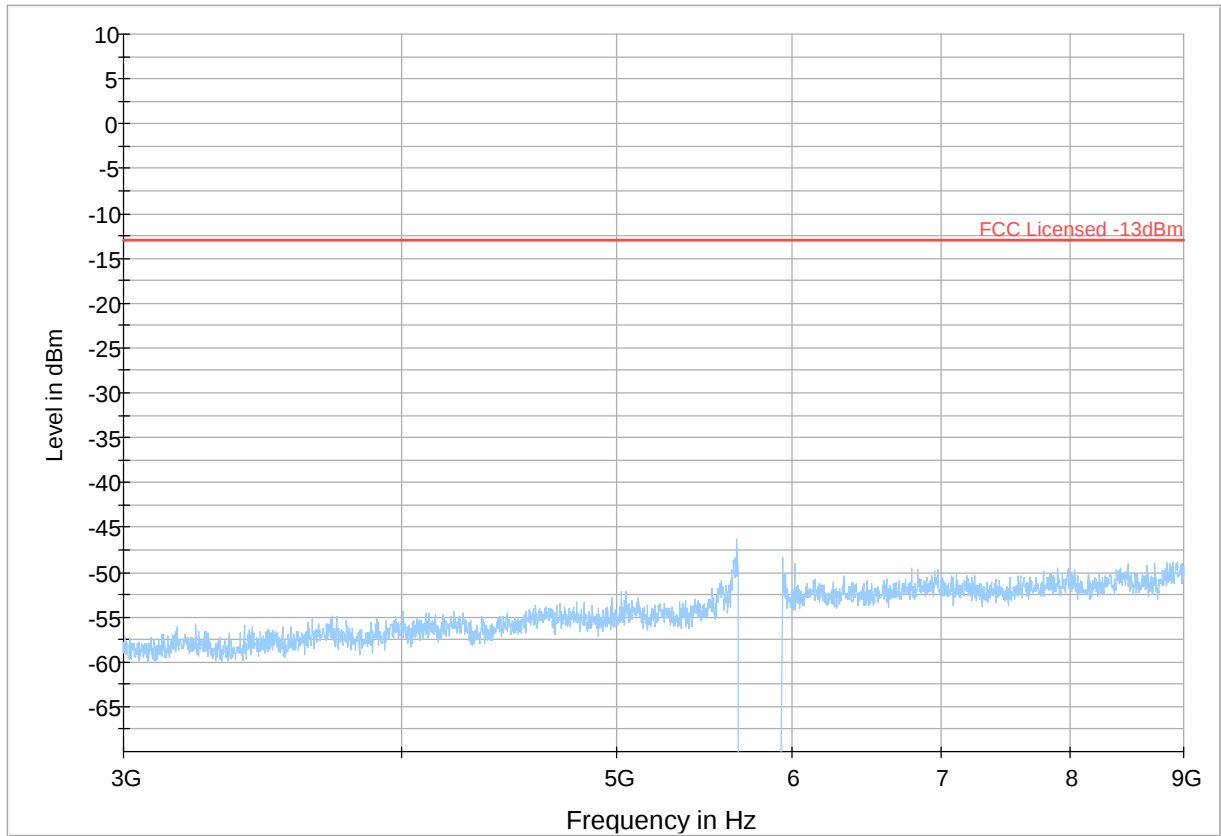
Channel: Low



—◆— Preview Result 1-PK+ Final_Result RMS
 * Critical_Freqs PK+
 — FCC Licensed -13dBm
◆ Final_Result PK+

Plot # 86 Radiated Emissions: 3 GHz – 9 GHz

Channel: Low



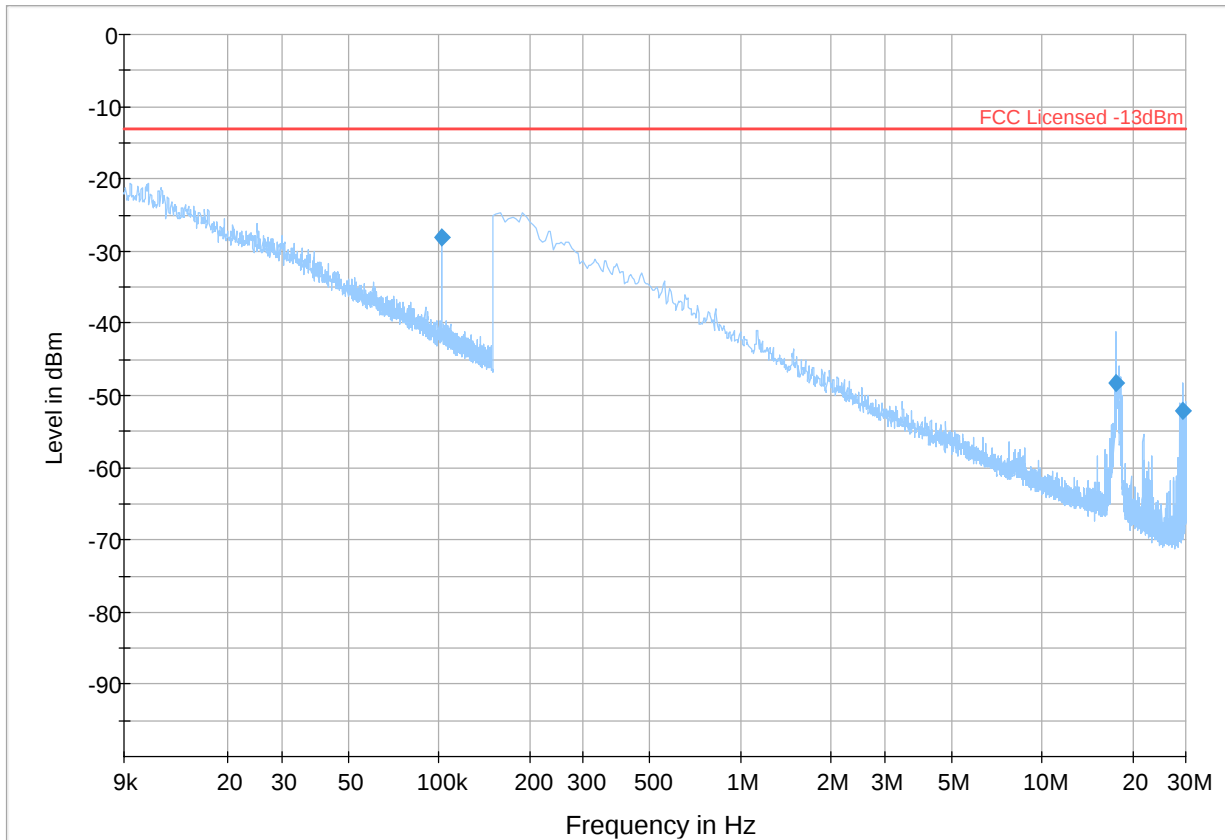
Preview Result 1-PK+ FCC Licensed -13dBm ◆ Final_Result RMS ◆ Final_Result PK:

Plot # 87 Radiated Emissions: 9 kHz - 30 MHz

Channel: Mid

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.102	-28.16	-13.00	15.16	500.0	9.000	100.0	V	14.0	-76.3
17.692	-48.21	-13.00	35.21	500.0	9.000	100.0	V	315.0	-78.3
29.239	-52.09	-13.00	39.09	500.0	9.000	175.0	V	167.0	-79.0



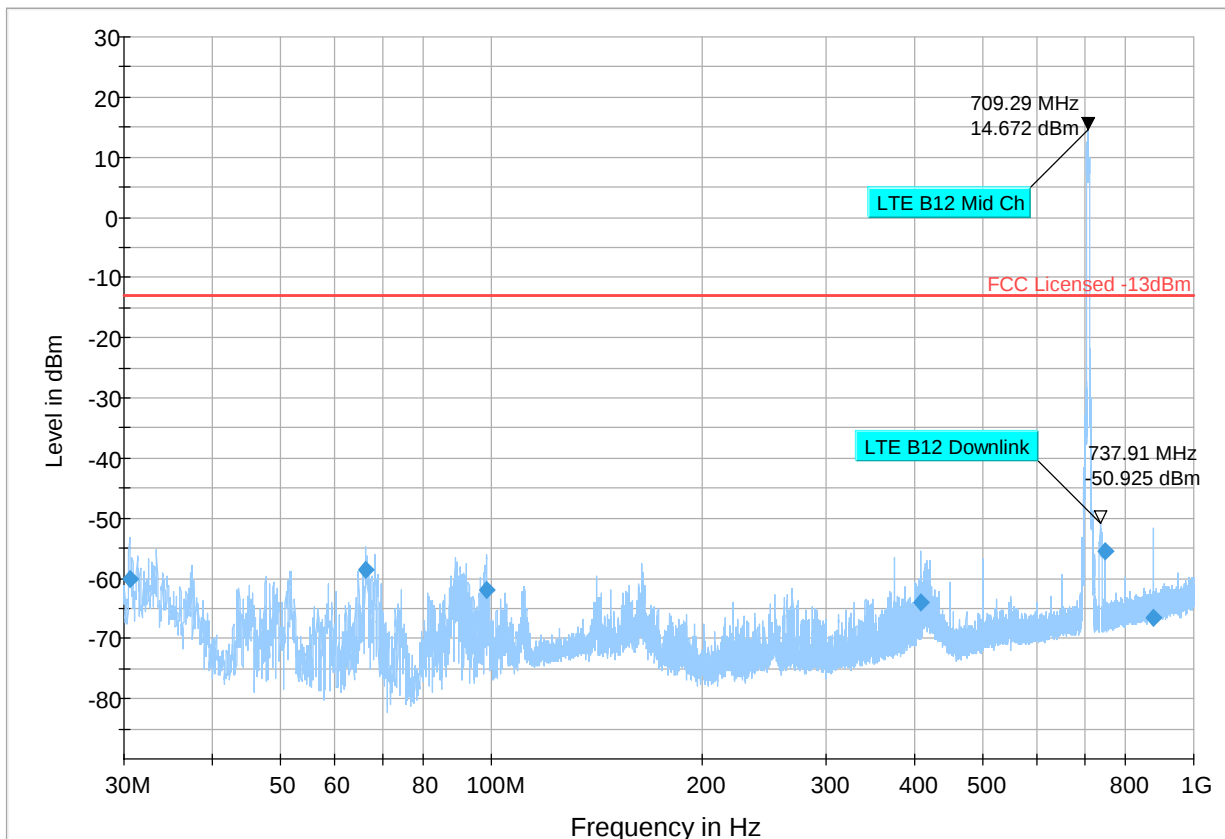
— Preview Result 1-PK+ — FCC Licensed -13dBm ◆ Final_Result RMS ◆ Final_Result PK

Plot # 88 Radiated Emissions: 30 MHz – 1GHz

Channel: Mid

Final Result

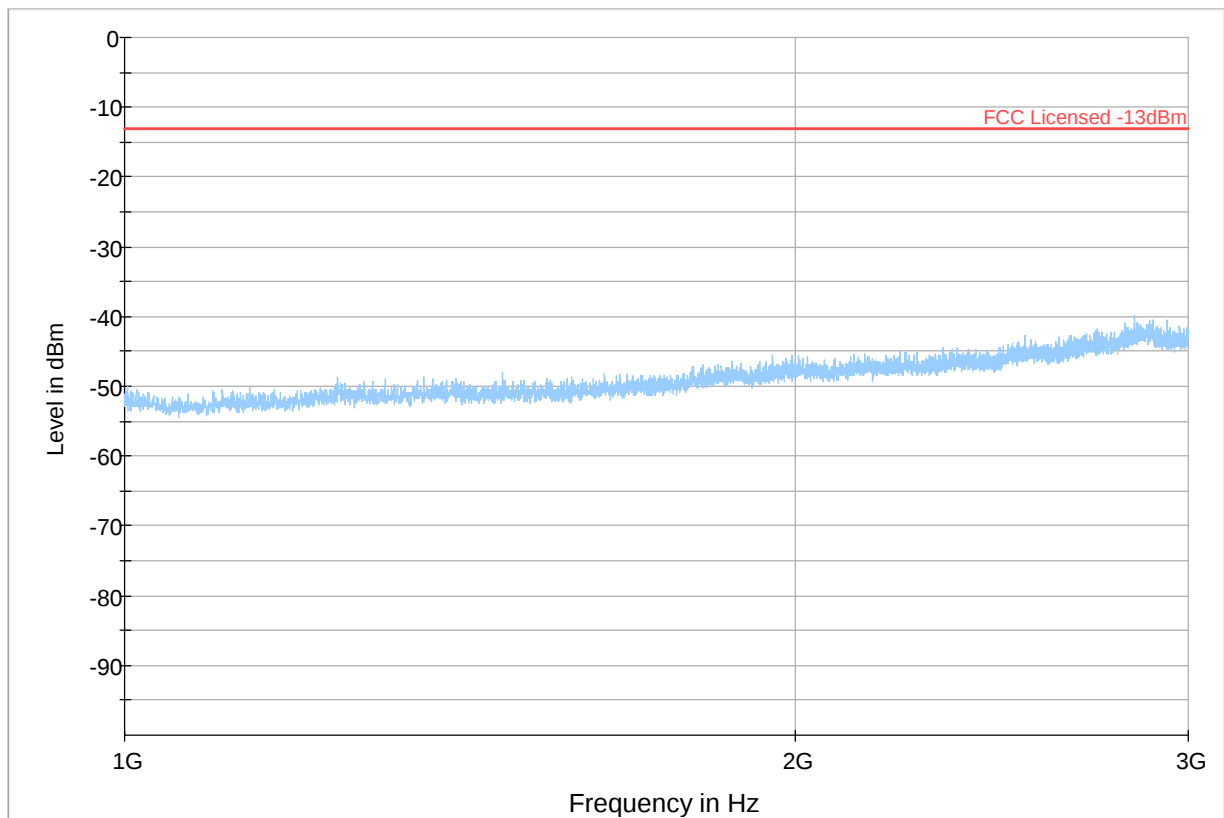
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.582	-60.00	-13.00	47.00	500.0	100.000	129.0	V	102.0	-77.3
66.230	-58.58	-13.00	45.58	500.0	100.000	256.0	V	51.0	-88.2
98.361	-62.05	-13.00	49.05	500.0	100.000	107.0	V	96.0	-81.6
408.809	-63.93	-13.00	50.93	500.0	100.000	100.0	H	185.0	-77.0
749.983	-55.50	-13.00	42.50	500.0	100.000	125.0	H	209.0	-71.4
874.991	-66.55	-13.00	53.55	500.0	100.000	243.0	H	-42.0	-69.9



— Preview Result 1-PK+ — FCC Licensed -13dBm ◆ Final_Result RMS ◆ Final_Result PK

Plot # 89 Radiated Emissions: 1 GHz - 3 GHz

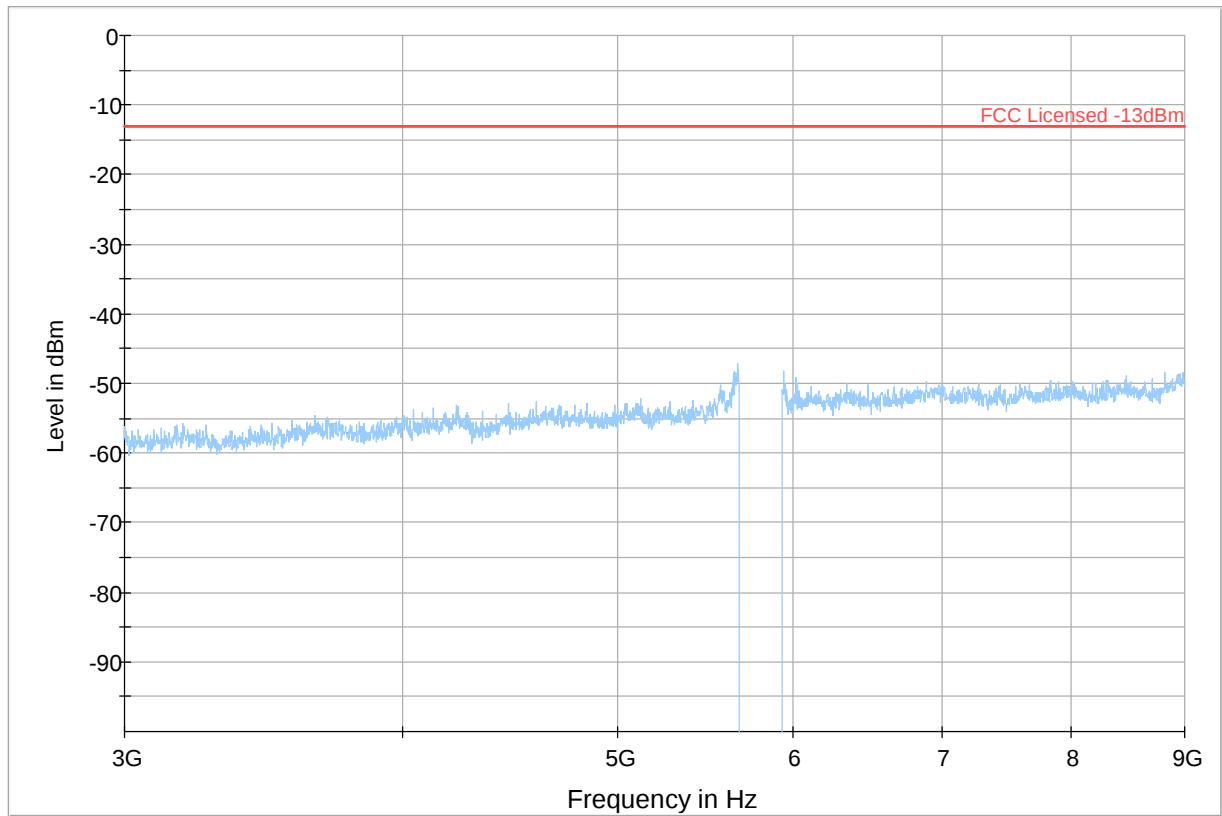
Channel: Mid



Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS Final_Result PK+

Plot # 90 Radiated Emissions: 3 GHz – 9 GHz

Channel: Mid



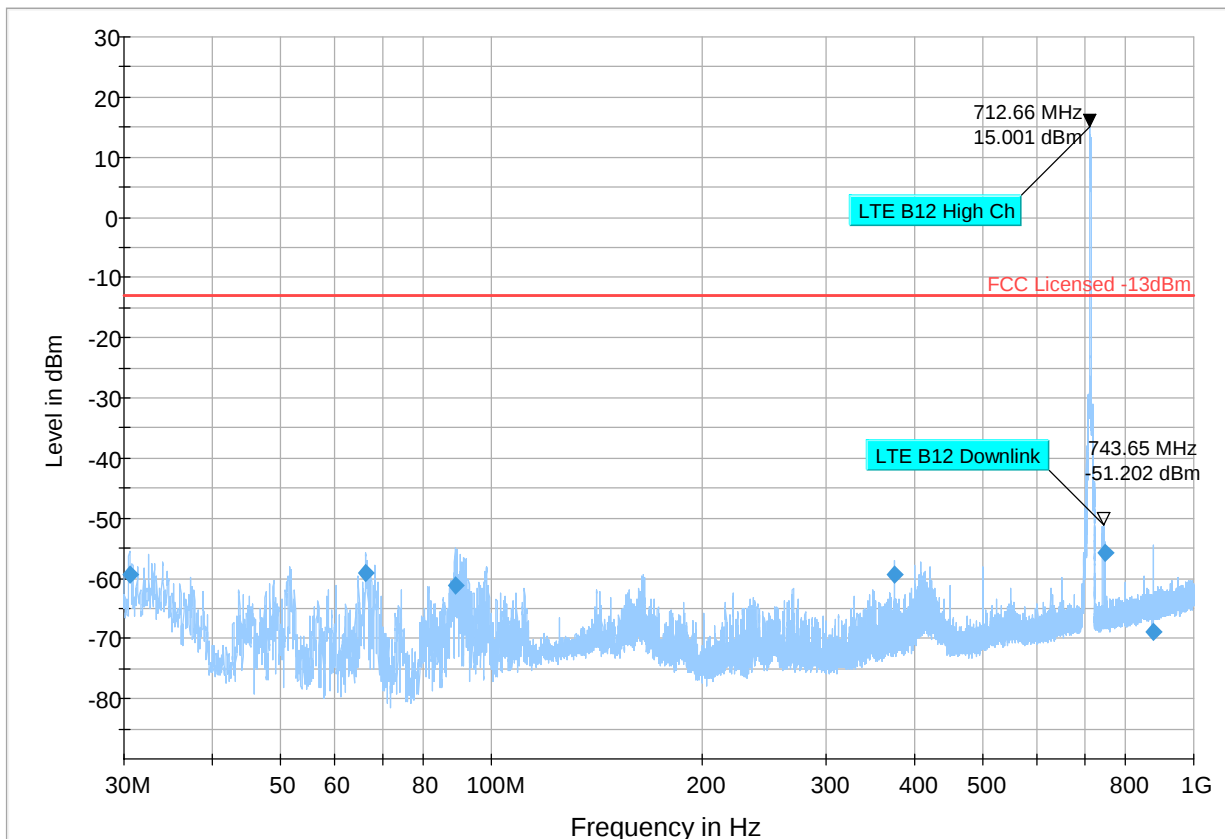
Preview Result 1-PK+ * PK+
Final_Result RMS Final_Result PK+ FCC Licensed -13dBm

Plot # 91 Radiated Emissions: 30 MHz – 1GHz

Channel: High

Final Result

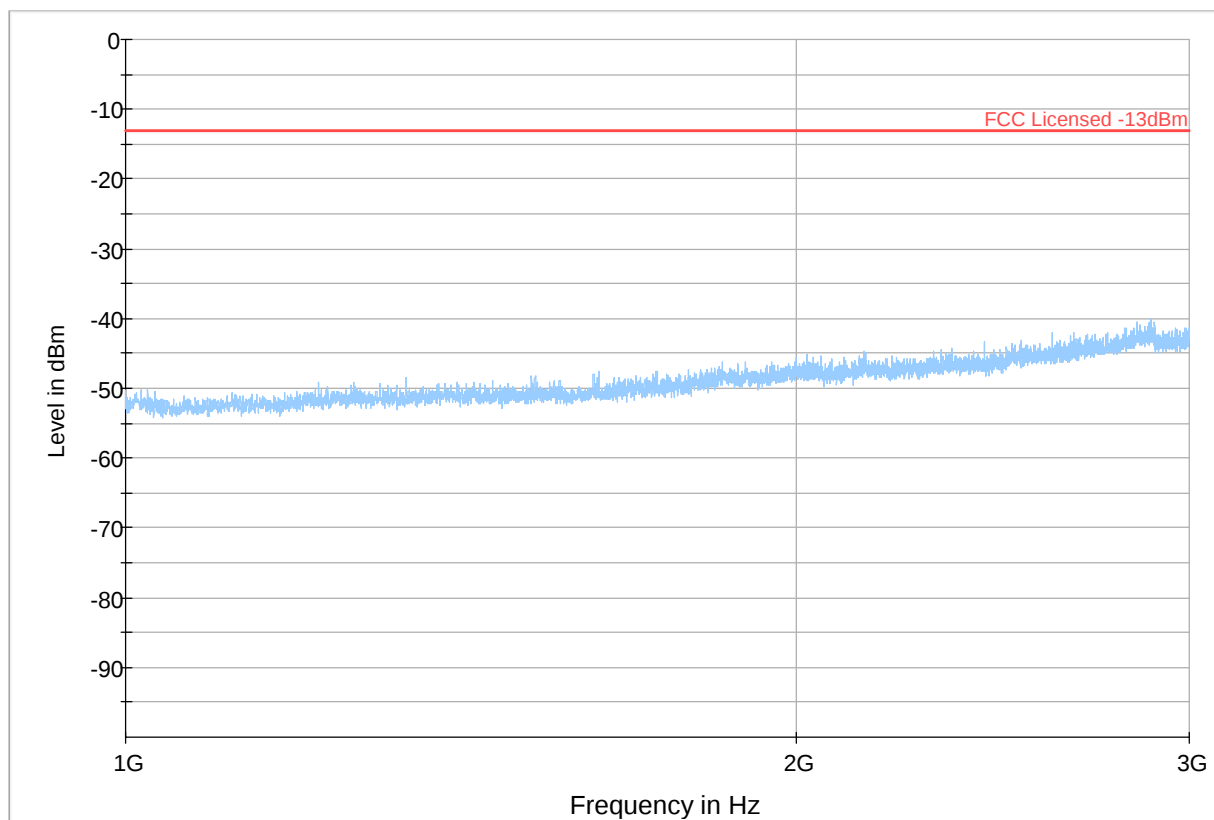
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.582	-59.46	-13.00	46.46	500.0	100.000	100.0	V	4.0	-77.3
66.254	-59.10	-13.00	46.10	500.0	100.000	236.0	V	329.0	-88.2
88.831	-61.15	-13.00	48.15	500.0	100.000	100.0	V	57.0	-83.5
374.981	-59.41	-13.00	46.41	500.0	100.000	100.0	H	28.0	-78.1
749.983	-55.77	-13.00	42.77	500.0	100.000	133.0	H	209.0	-71.4
874.991	-68.98	-13.00	55.98	500.0	100.000	183.0	H	-45.0	-69.9



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 92 Radiated Emissions: 1 GHz - 3 GHz

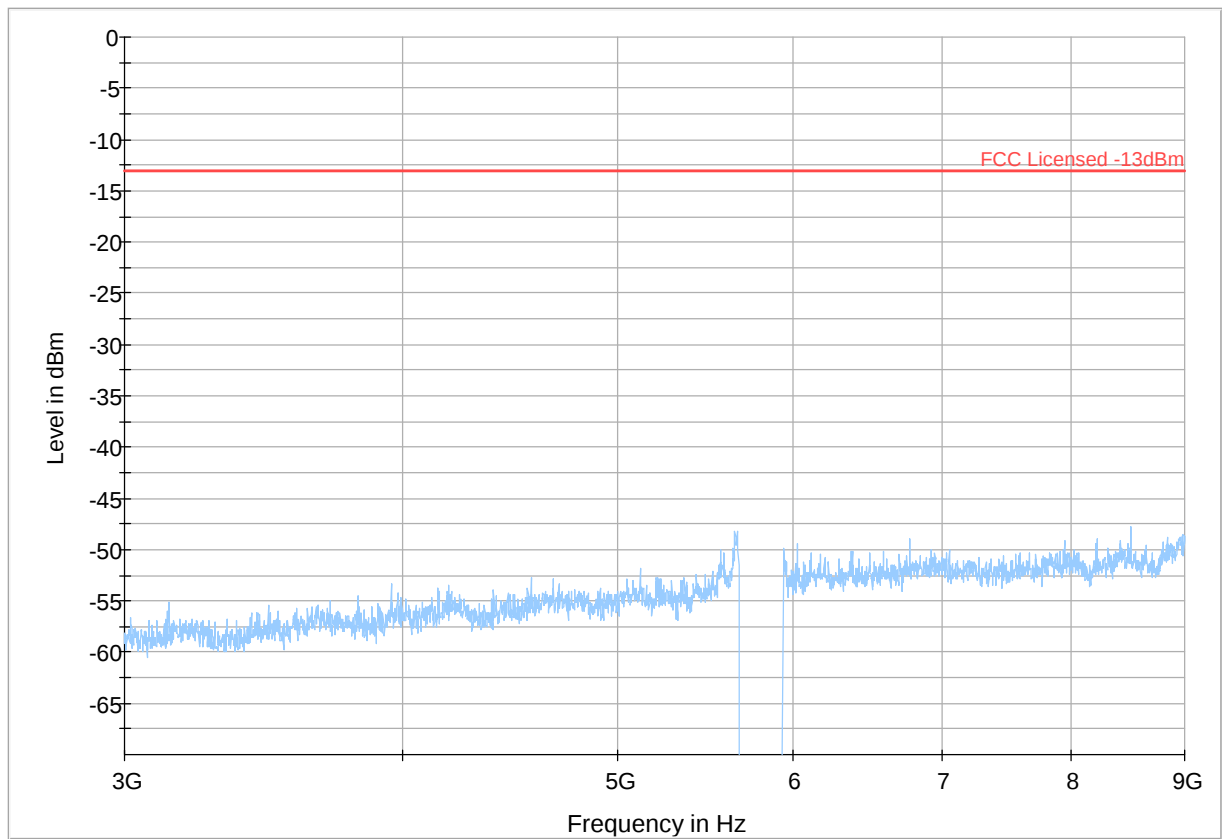
Channel: High



Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS ◆ Final_Result PK+

Plot # 93 Radiated Emissions: 3 GHz – 9 GHz

Channel: High

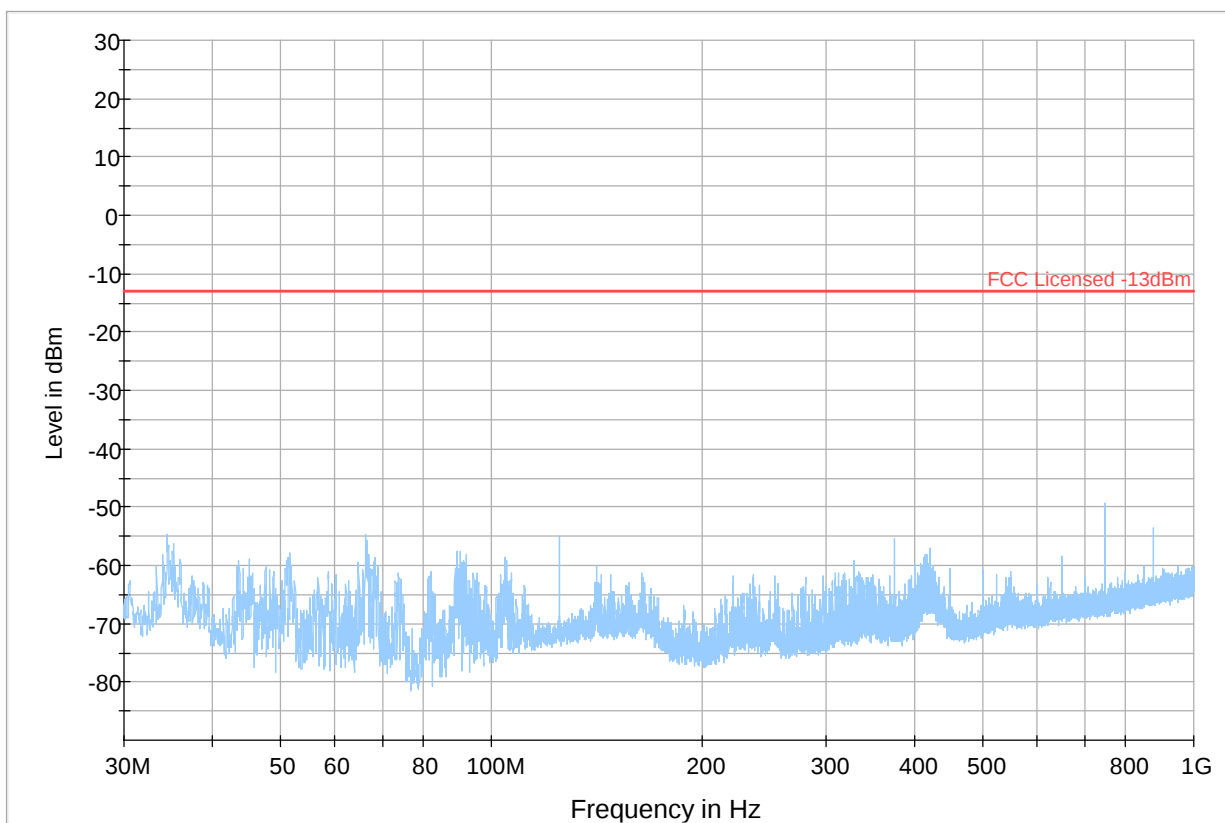


Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK:

LTE 66

Plot # 94 Radiated Emissions: 30 MHz – 1GHz

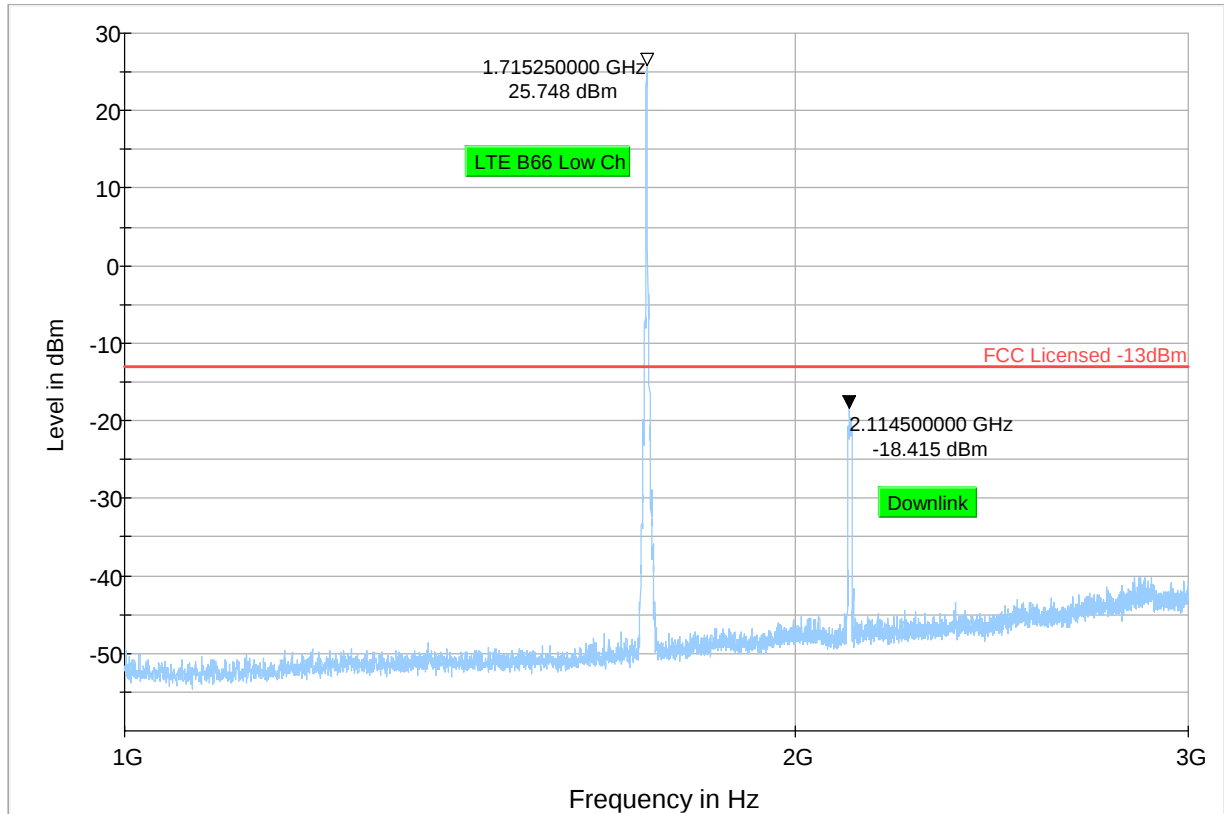
Channel: Low



Preview Result 1-PK+ * Critical_Freqs PK+ — FCC Licensed -13dBm
◆ Final_Result RMS ◆ Final_Result PK+

Plot # 95 Radiated Emissions: 1 GHz - 3 GHz

Channel: Low



Preview Result 1-PK+
Final_Result RMS



Critical_Freqs PK+
Final_Result PK+

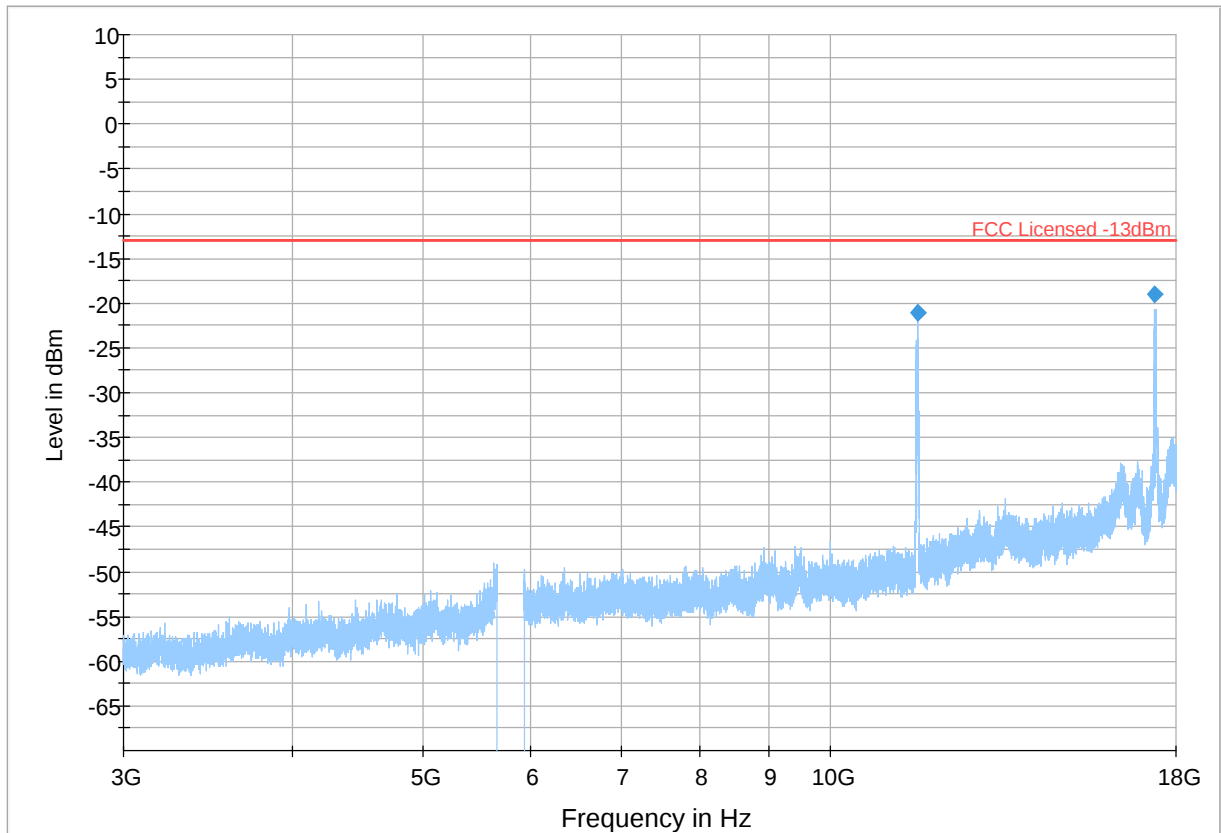
FCC Licensed -13dBm

Plot # 96 Radiated Emissions: 3 GHz – 18 GHz

Channel: Low

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11590.000	-21.11	-13.00	8.11	500.0	1000.000	237.0	V	306.0	-91.1
17370.000	-19.06	-13.00	6.06	500.0	1000.000	293.0	V	314.0	-79.3



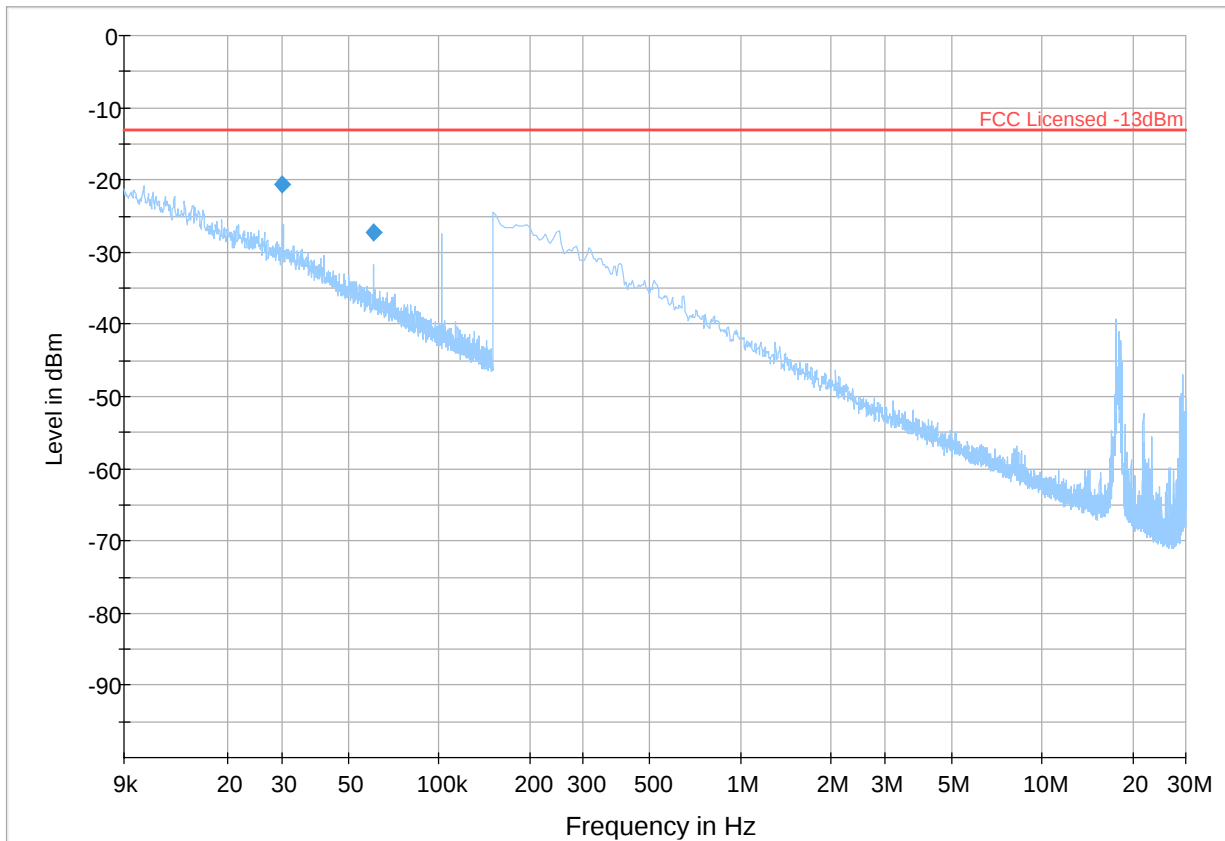
— Preview Result 1-PK+ — FCC Licensed -13dBm ◆ Final_Result RMS ◆ Final_Result PK:

Plot # 97 Radiated Emissions: 9 kHz - 30 MHz

Channel: Mid

Final Result

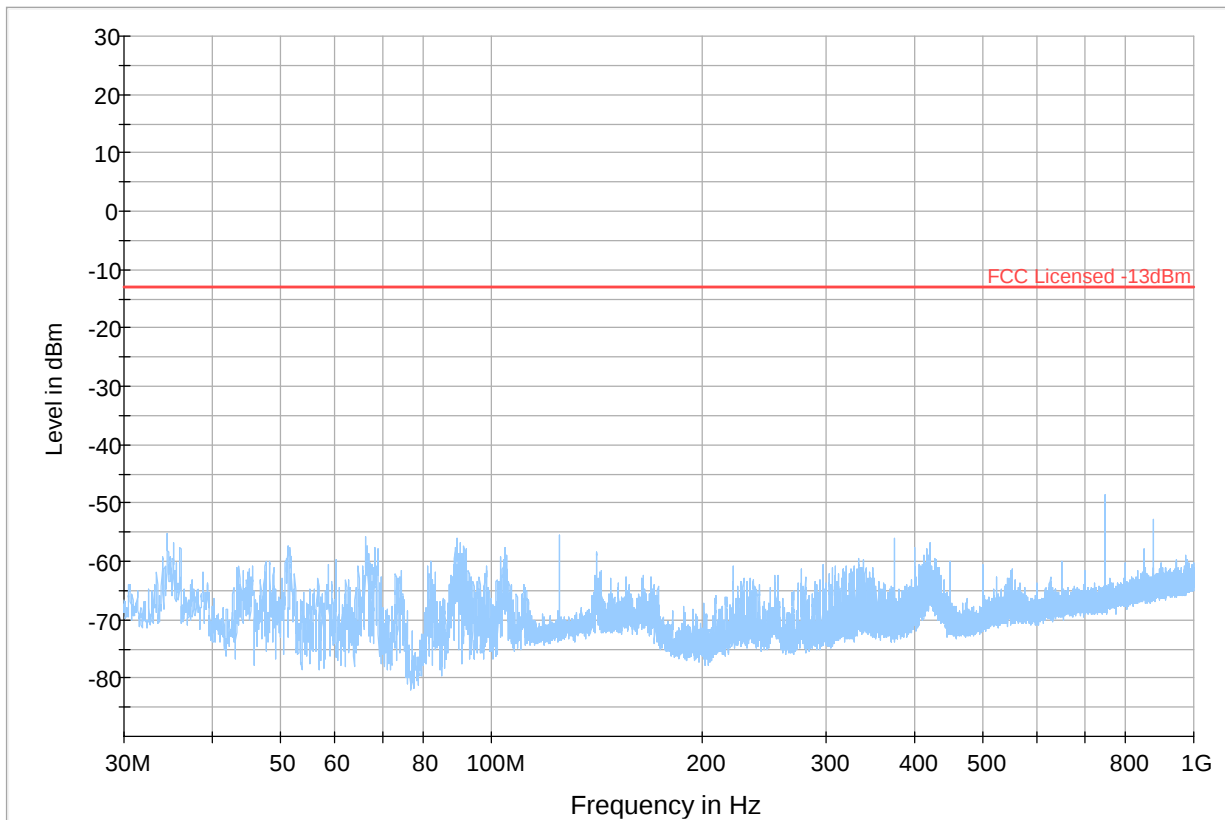
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.030	-20.60	-13.00	7.60	500.0	9.000	107.0	V	335.0	-72.1
0.061	-27.32	-13.00	14.32	500.0	9.000	107.0	V	-12.0	-75.4



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 98 Radiated Emissions: 30 MHz – 1GHz

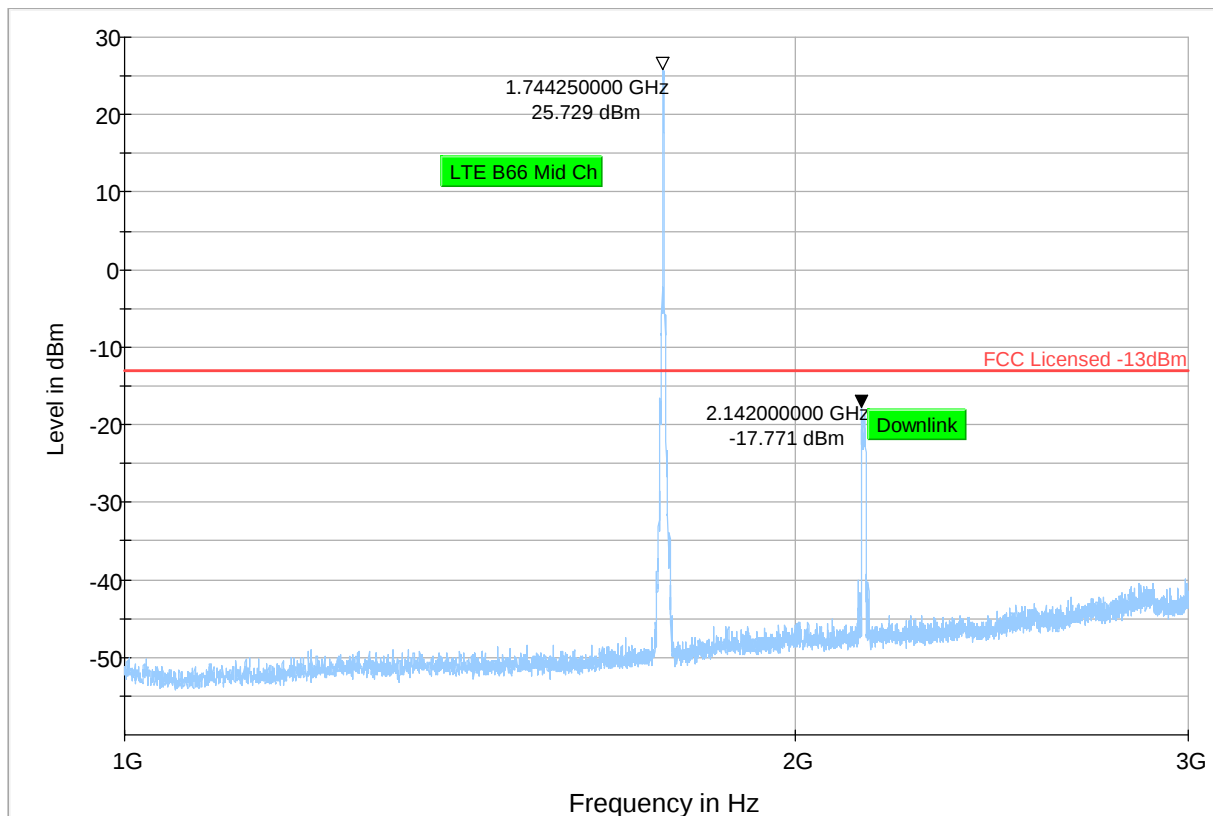
Channel: Mid



Preview Result 1-PK+ * Critical_Freqs PK+ FCC Licensed -13dBm
Final_Result RMS Final_Result PK+

Plot # 99 Radiated Emissions: 1 GHz - 3 GHz

Channel: Mid



Preview Result 1-PK+
Final_Result RMS

* Critical_Freqs PK+
Final_Result PK+

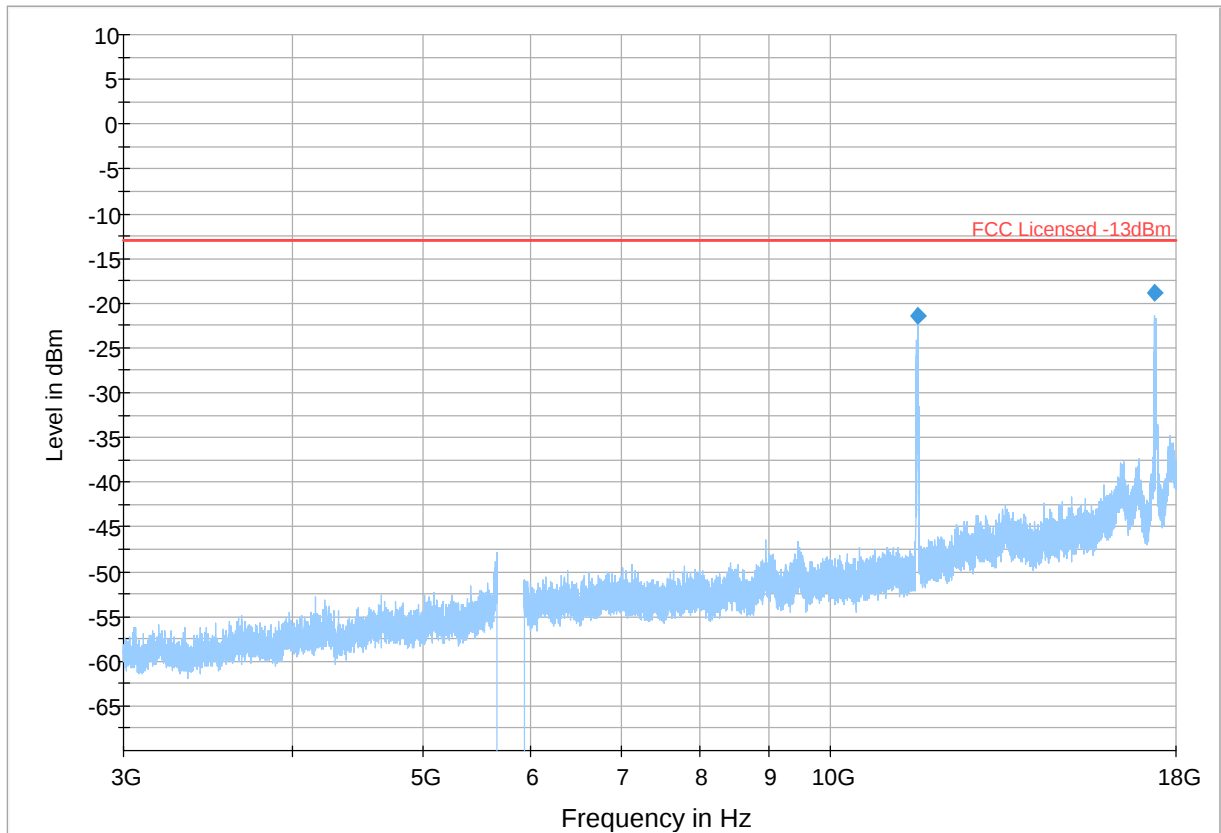
FCC Licensed -13dBm

Plot # 100 Radiated Emissions: 3 GHz – 18 GHz

Channel: Mid

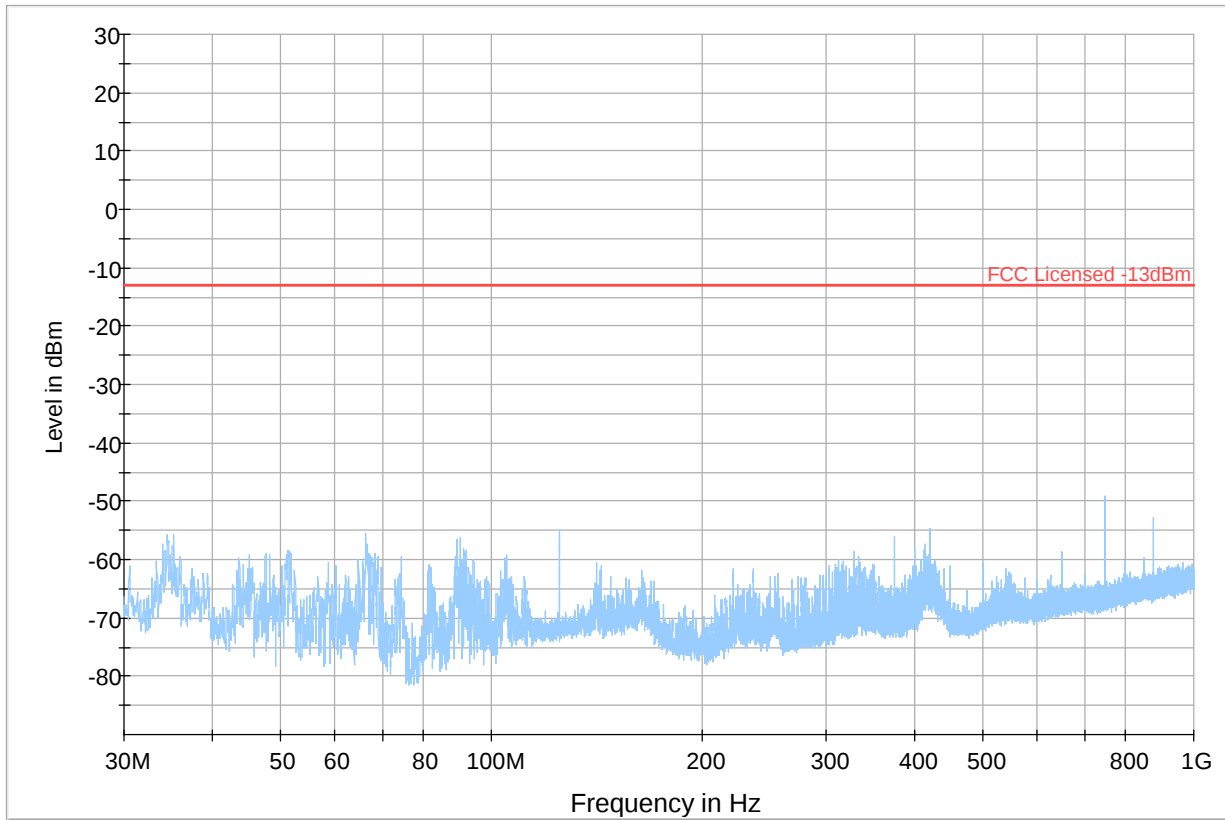
Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11591.250	-21.36	-13.00	8.36	500.0	1000.000	234.0	V	22.0	-91.0
17370.000	-18.80	-13.00	5.80	500.0	1000.000	262.0	V	310.0	-79.3



Plot # 101 Radiated Emissions: 30 MHz – 1GHz

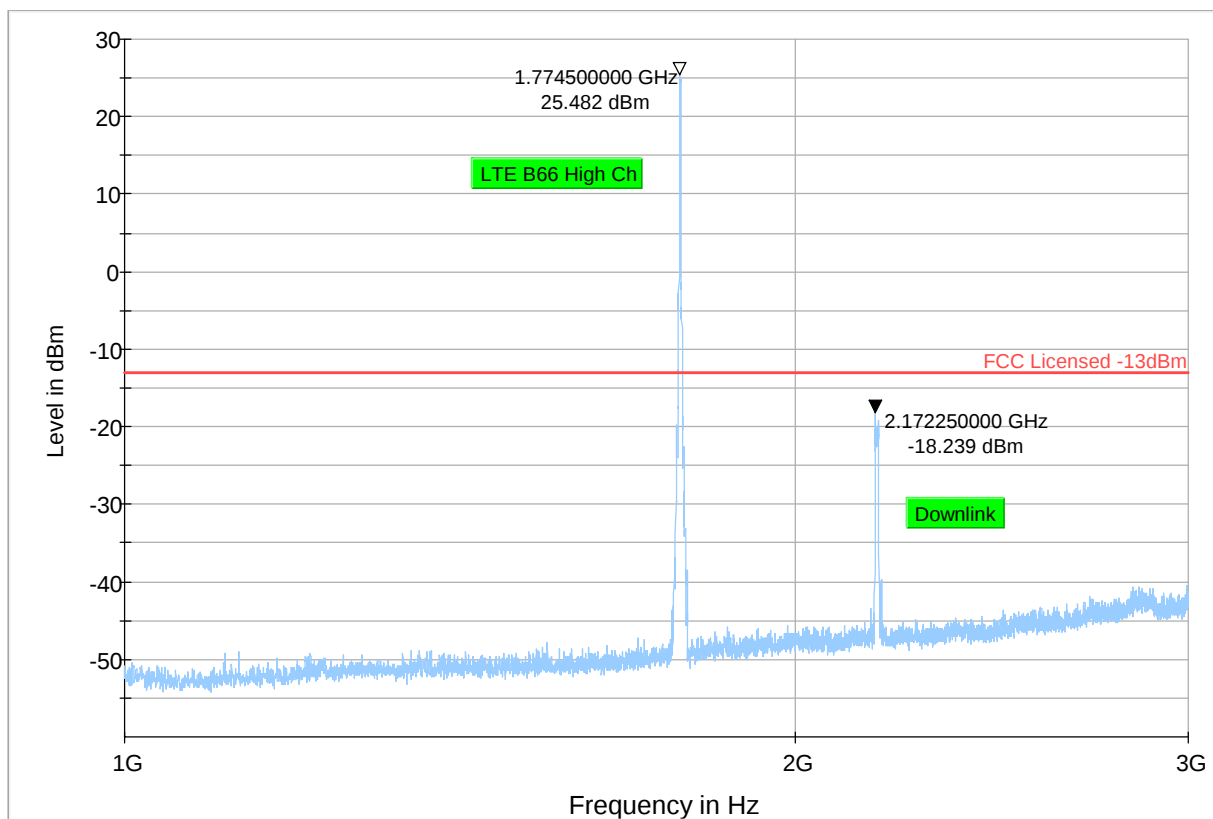
Channel: High



◆ Preview Result 1-PK+ Final_Result RMS
 * Critical_Freqs PK+
 — FCC Licensed -13dBm
 ◆ Final_Result PK+

Plot # 102 Radiated Emissions: 1 GHz - 3 GHz

Channel: High



Preview Result 1-PK+
Final_Result RMS

* Critical_Freqs PK+
Final_Result PK+

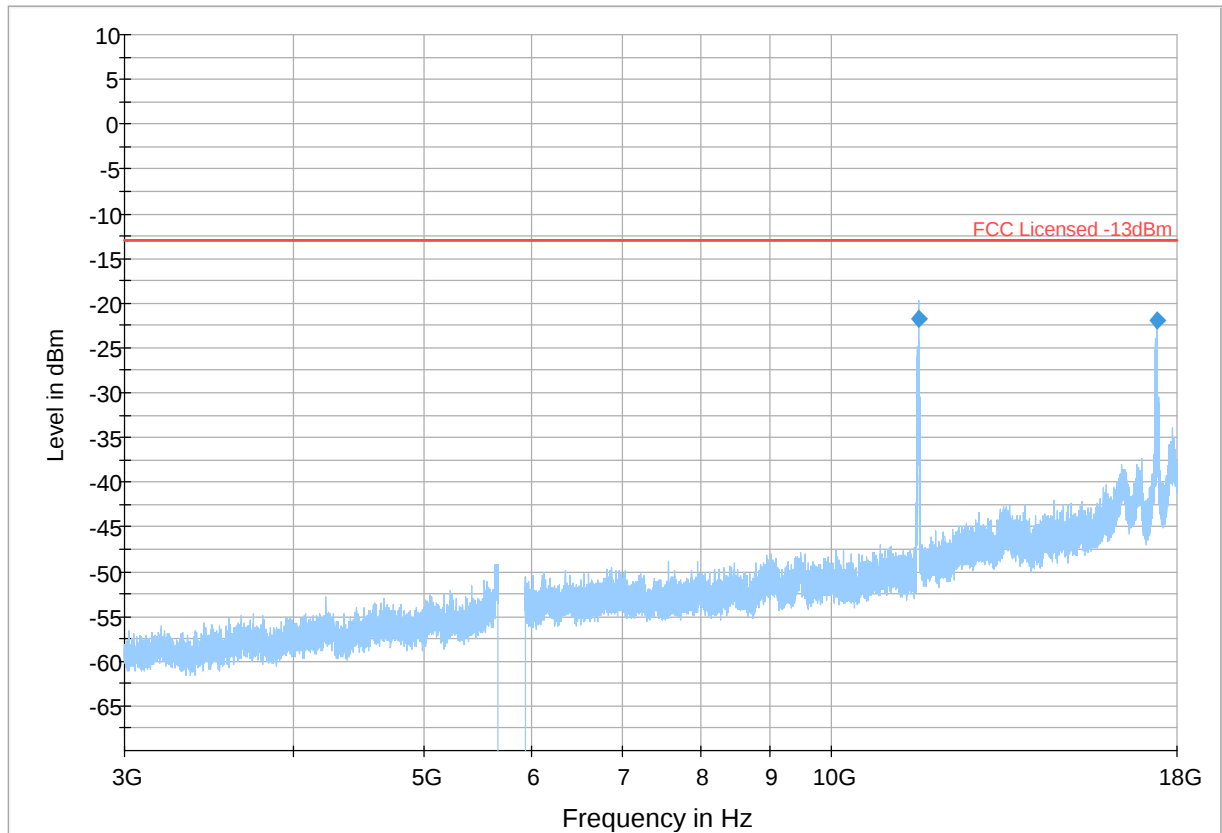
FCC Licensed -13dBm

Plot # 103 Radiated Emissions: 3 GHz – 18 GHz

Channel: High

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11589.750	-21.82	-13.00	8.82	500.0	1000.000	217.0	V	19.0	-91.1
17389.250	-21.92	-13.00	8.92	500.0	1000.000	254.0	V	326.0	-79.2

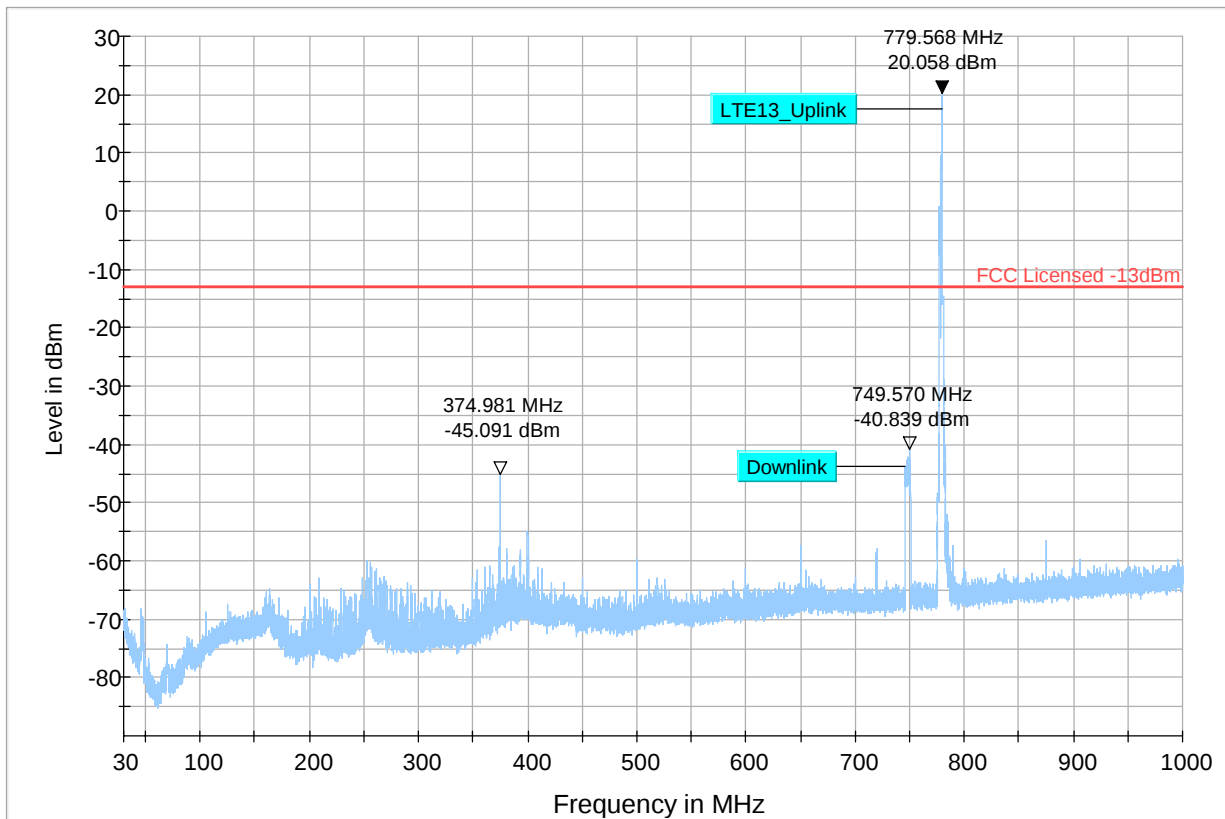


Preview Result 1-PK+ FCC Licensed -13dBm ◆ Final_Result RMS ◆ Final_Result PK:

LTE 13

Plot # 104 Radiated Emissions: 30 MHz – 1GHz

Channel: Low



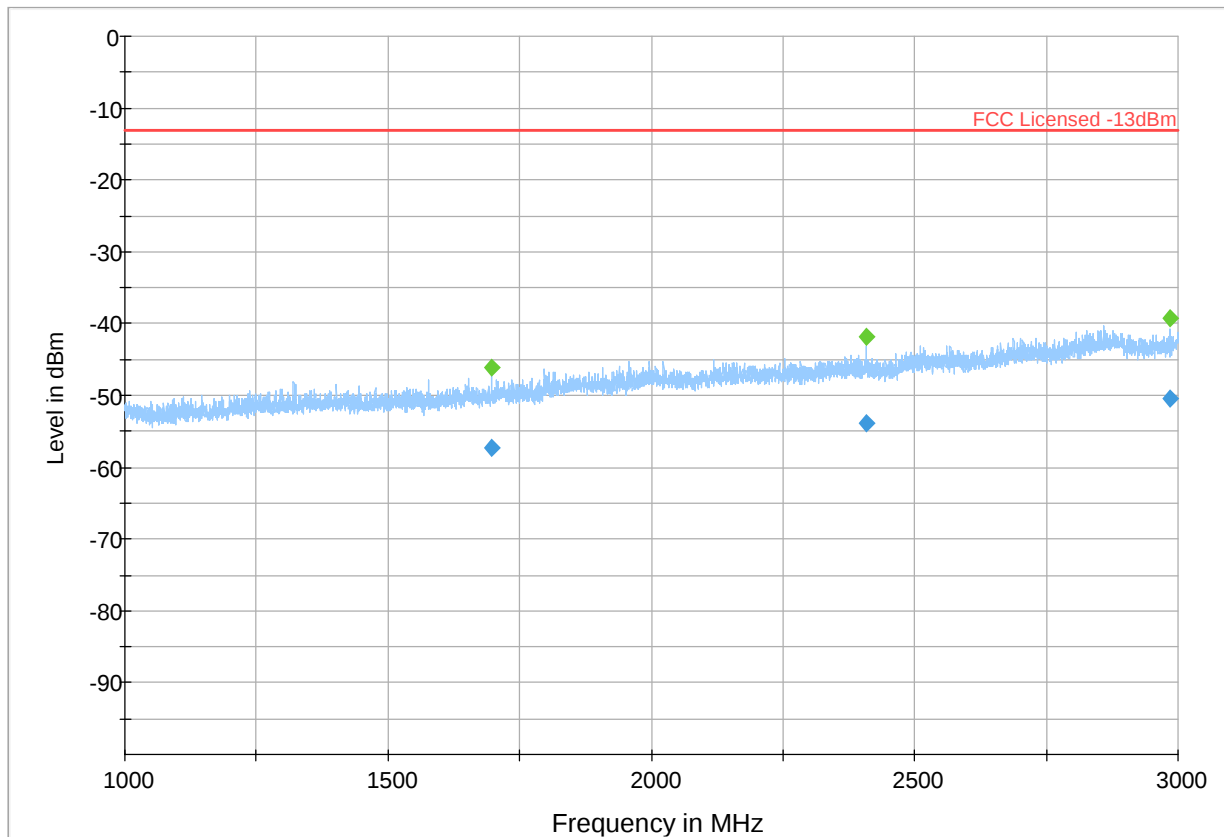
Preview Result 1-PK+ Final_Result RMS * Critical_Freqs PK+ Final_Result PK+ FCC Licensed -13dBm

Plot # 105 Radiated Emissions: 1 GHz - 3 GHz

Channel: Low

Final Result

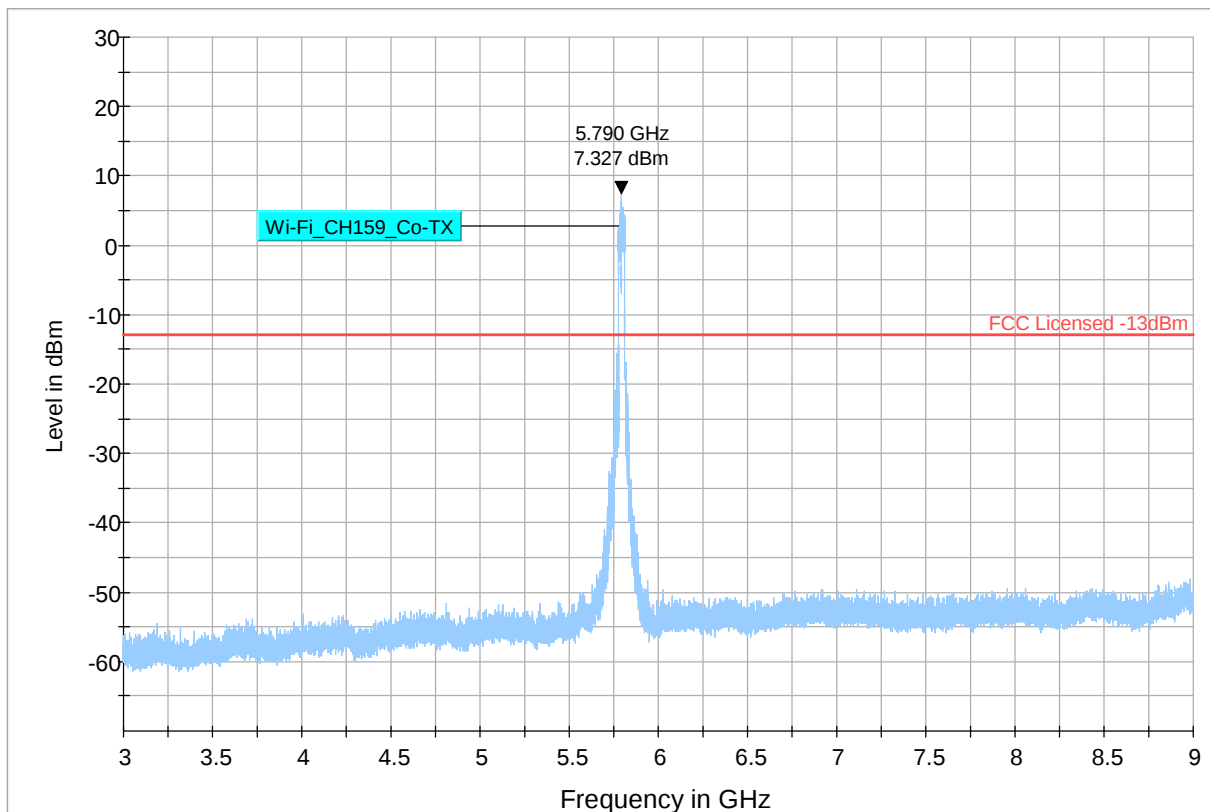
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1696.750	---	-46.11	---	---	500.0	1000.000	278.0	V	192.0	-65.1
1696.750	-57.37	---	-13.00	44.37	500.0	1000.000	278.0	V	192.0	-65.1
2408.250	-53.76	---	-13.00	40.76	500.0	1000.000	284.0	H	160.0	-62.7
2408.250	---	-41.77	---	---	500.0	1000.000	284.0	H	160.0	-62.7
2986.000	-50.53	---	-13.00	37.53	500.0	1000.000	151.0	H	287.0	-60.0
2986.000	---	-39.22	---	---	500.0	1000.000	151.0	H	287.0	-60.0



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 106 Radiated Emissions: 3 GHz – 9 GHz

Channel: Low



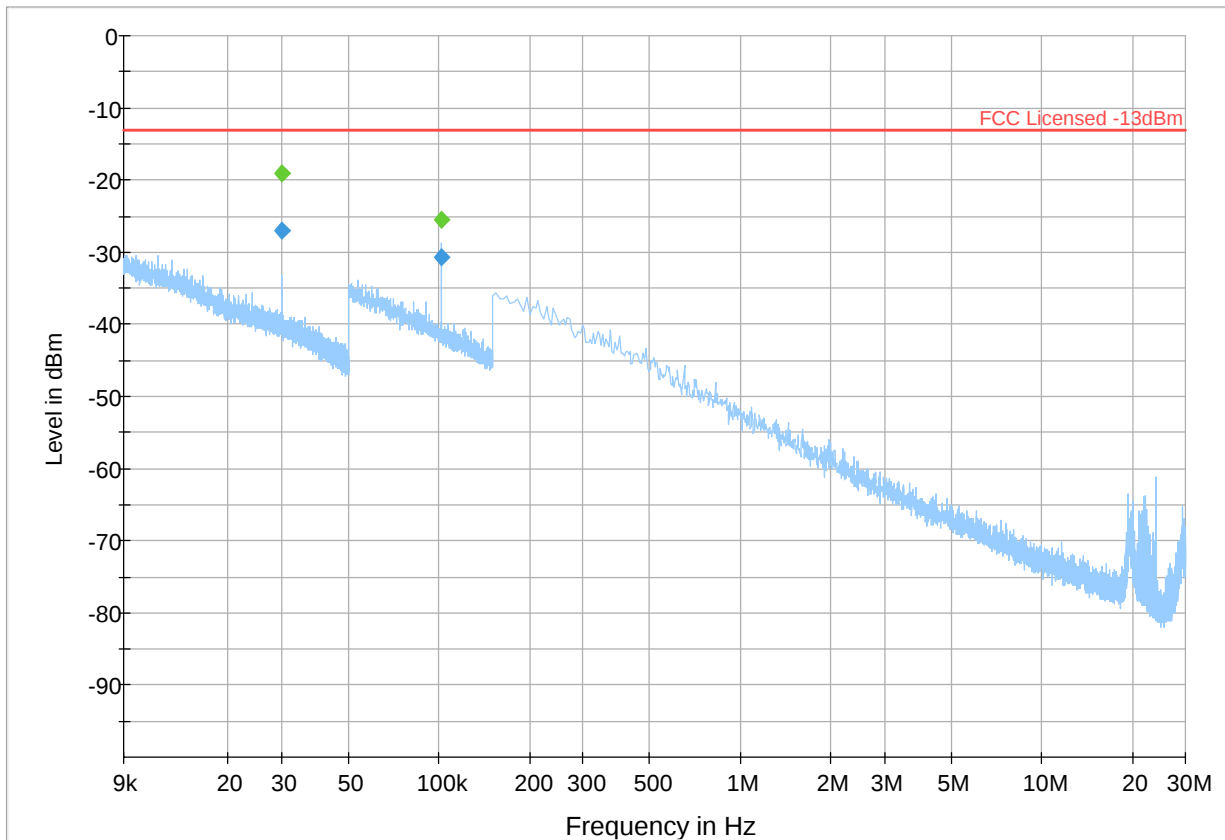
◆ Preview Result 1-PK+ Final_Result RMS
 * Critical_Freqs PK+ Final_Result PK+
 — FCC Licensed -13dBm

Plot # 107 Radiated Emissions: 9 kHz - 30 MHz

Channel: Mid

Final Result

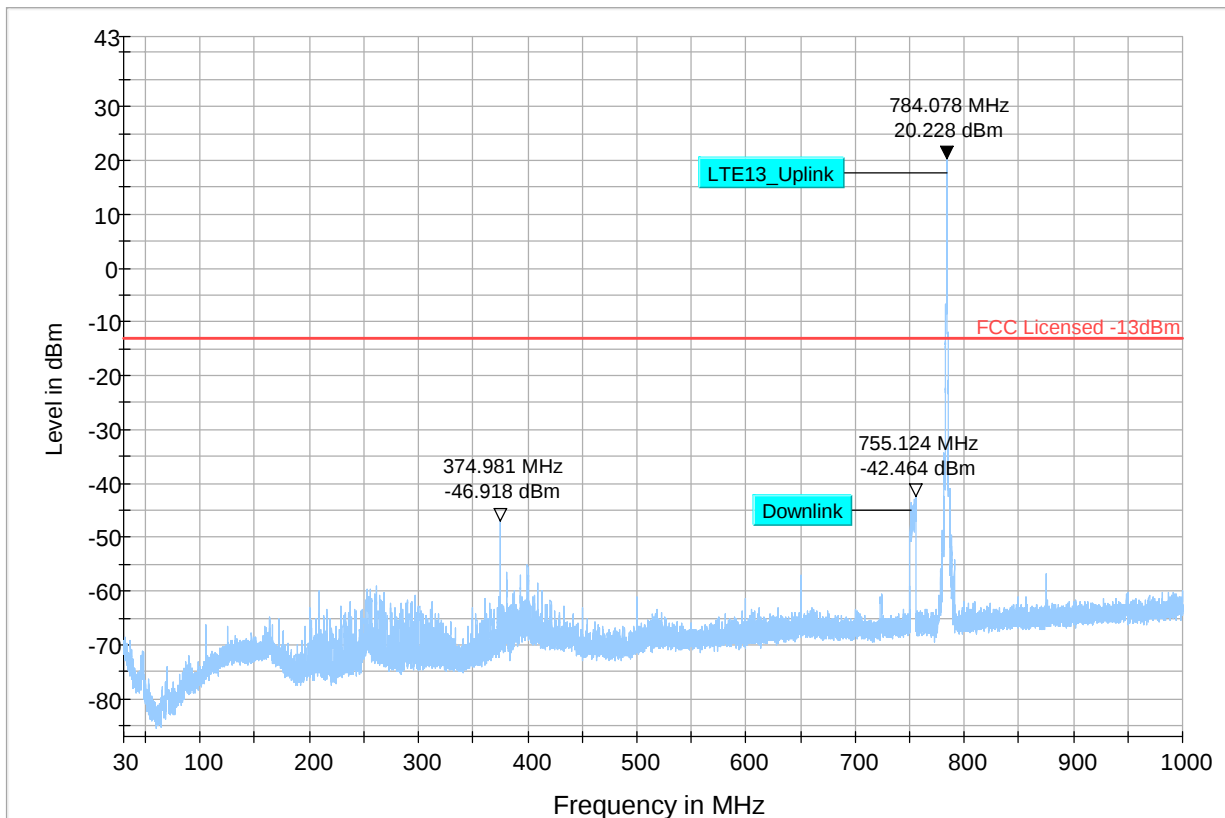
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.030	-27.04	---	-13.00	14.04	500.0	1.000	105.0	H	187.0	-72.1
0.030	---	-19.05	---	---	500.0	1.000	105.0	H	187.0	-72.1
0.102	-30.64	---	-13.00	17.64	500.0	1.000	111.0	H	57.0	-76.3
0.102	---	-25.51	---	---	500.0	1.000	111.0	H	57.0	-76.3



Preview Result 1-PK+ FCC Licensed -13dBm Final_Result RMS Final_Result PK

Plot # 108 Radiated Emissions: 30 MHz – 1GHz

Channel: High



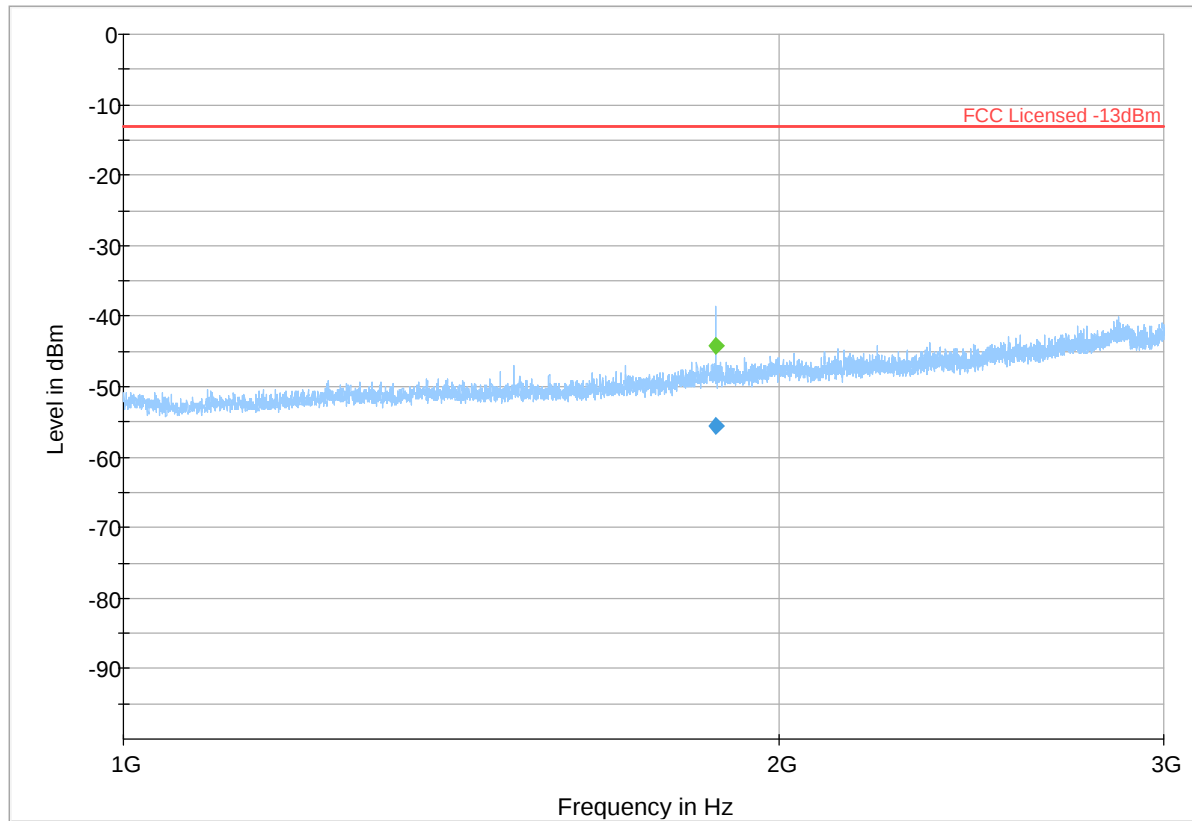
Preview Result 1-PK+ * Critical_Freqs PK+ — FCC Licensed -13dBm
◆ Final_Result RMS ◆ Final_Result PK+

Plot # 109 Radiated Emissions: 1 GHz - 3 GHz

Channel: High

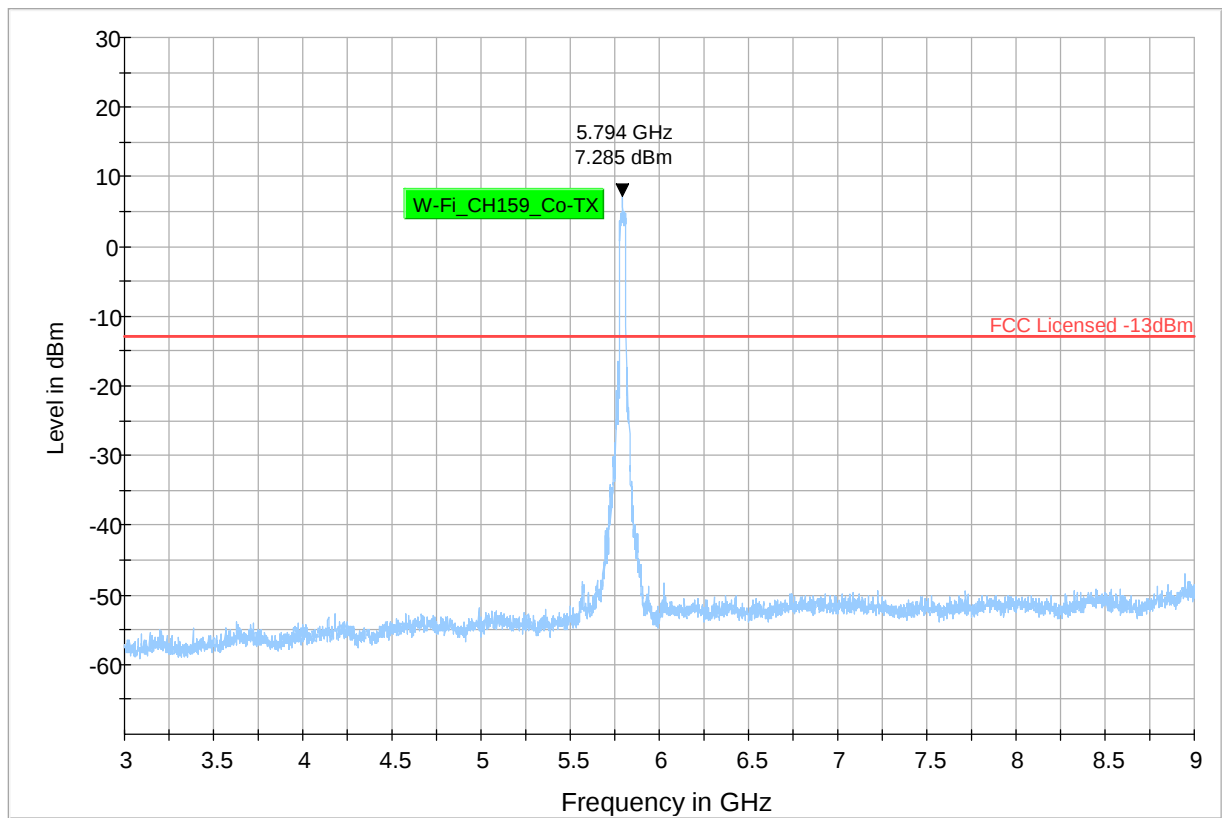
Final Result

Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1869.750	-55.67	---	-13.00	42.67	500.0	1000.000	192.0	V	194.0	-64.1
1869.750	---	-44.29	-13.00	31.29	500.0	1000.000	192.0	V	194.0	-64.1



Plot # 110 Radiated Emissions: 3 GHz – 9 GHz

Channel: High



Preview Result 1-PK+ * Critical_Freqs PK+ — FCC Licensed -13dBm
◆ Final_Result RMS ◆ Final_Result PK+

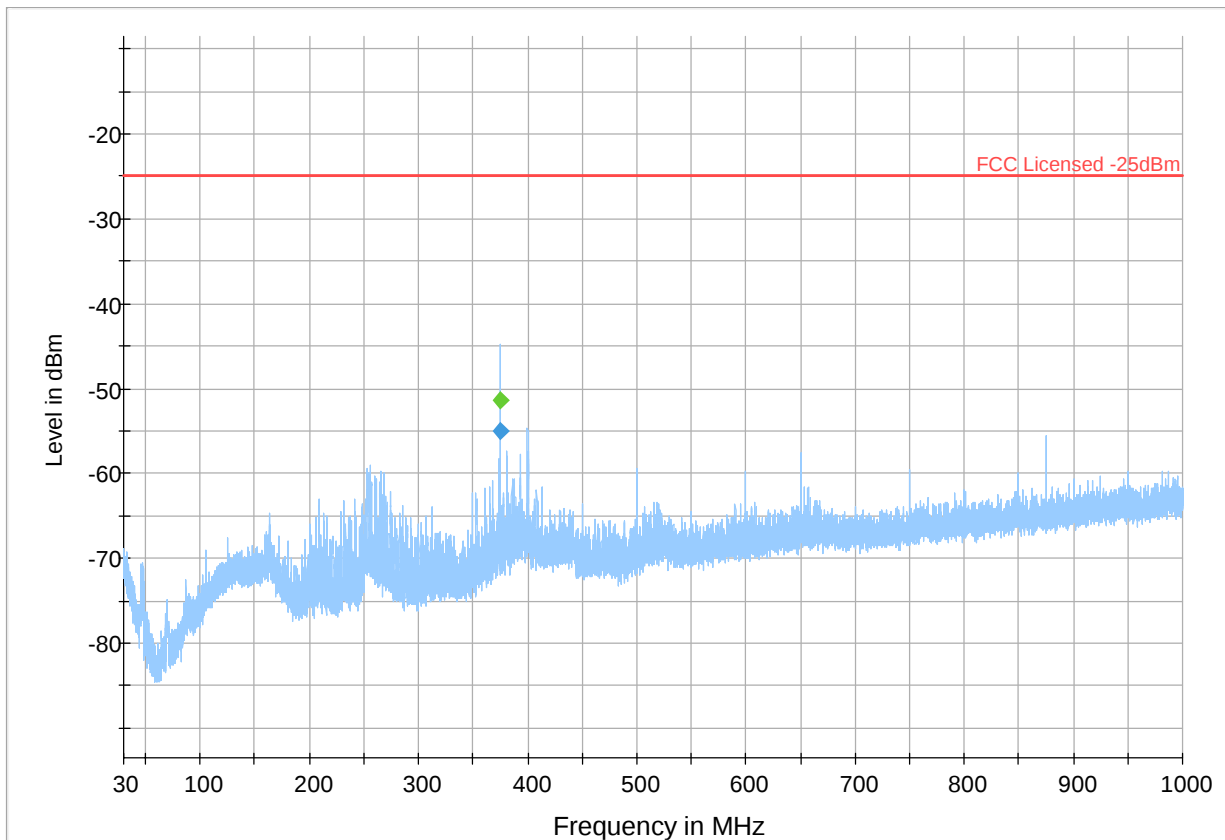
LTE 7

Plot # 111 Radiated Emissions: 30 MHz – 1GHz

Channel: Low

Final_Result

Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
374.981	---	-51.45	-25.00	26.45	500.0	100.000	217.0	H	21.0	-78.1
374.981	-54.93	---	-25.00	29.93	500.0	100.000	217.0	H	21.0	-78.1



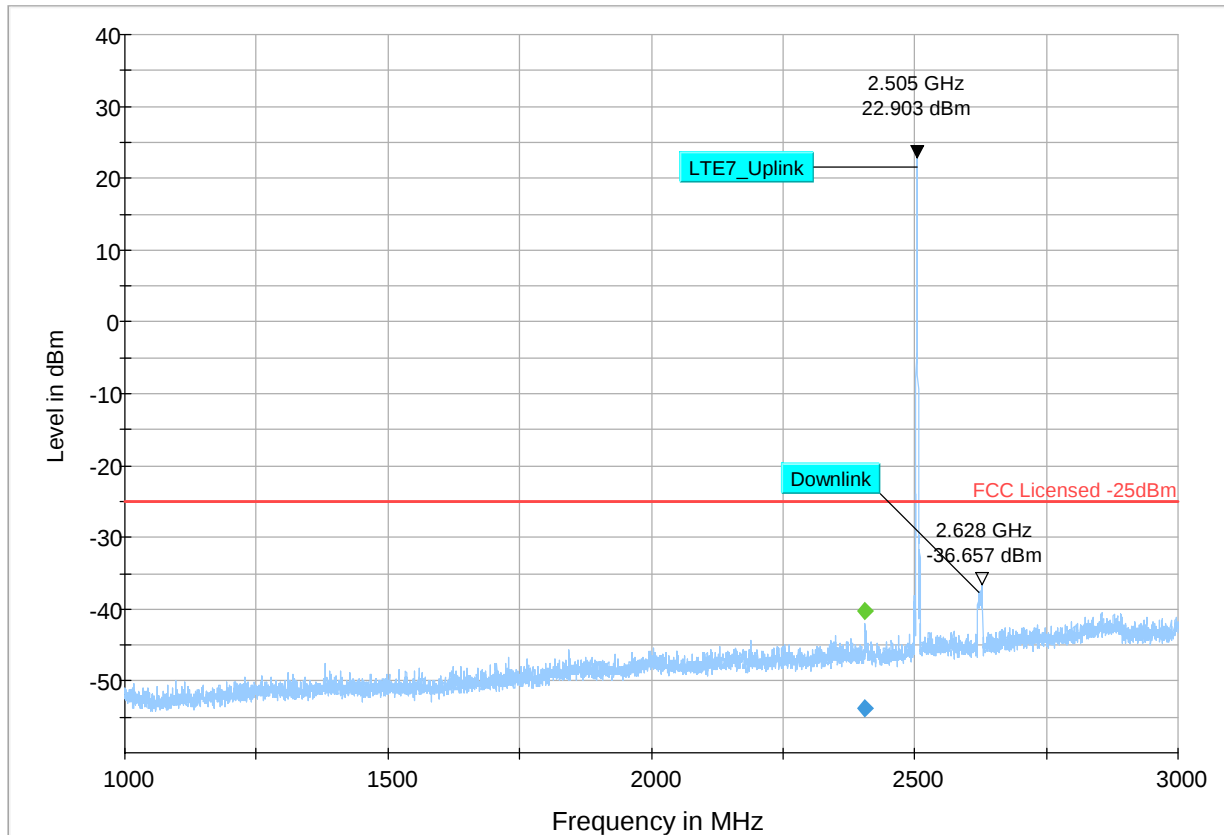
— Preview Result 1-PK+ — FCC Licensed -25dBm ◆ Final_Result RMS ◆ Final_Result PK

Plot # 112 Radiated Emissions: 1 GHz - 3 GHz

Channel: Low

Final Result

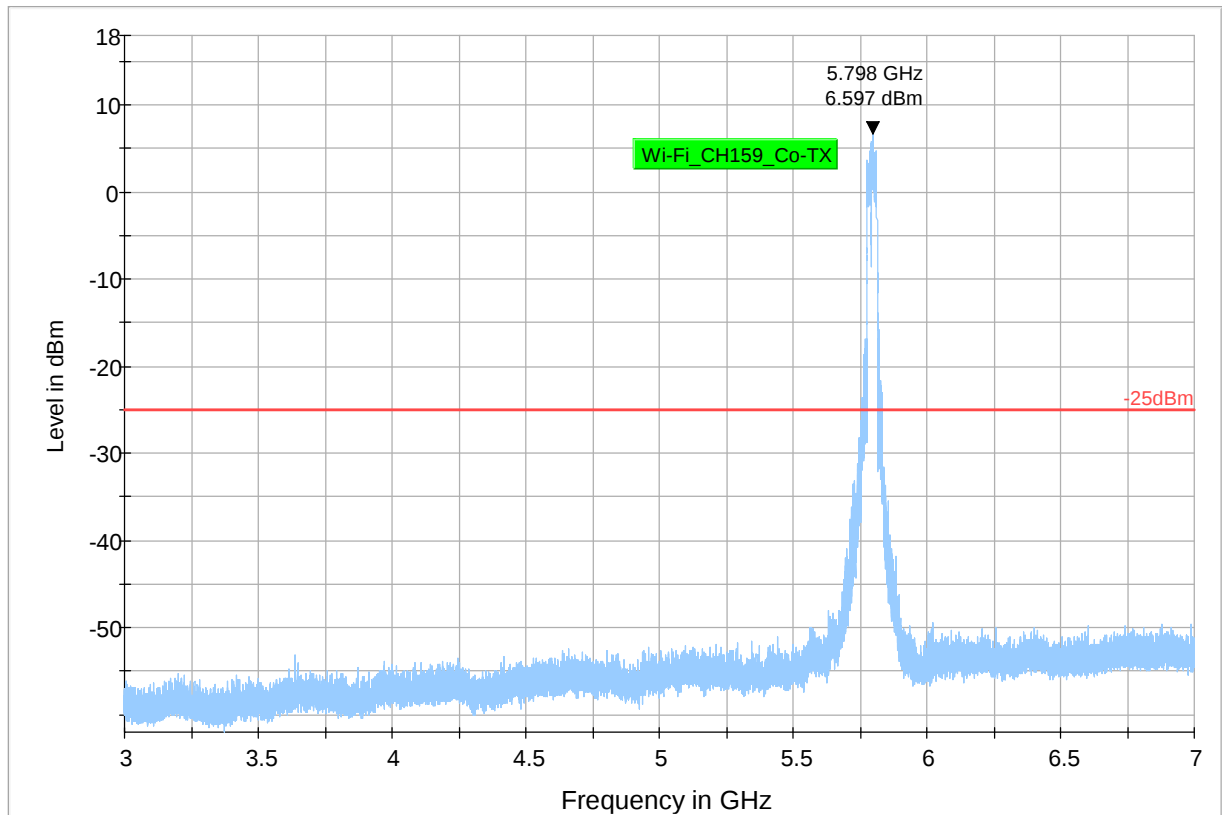
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2407.000	---	-40.30	-25.00	15.3	500.0	1000.000	259.0	V	-45.0	-62.7
2407.000	-53.78	---	-25.00	28.78	500.0	1000.000	259.0	V	-45.0	-62.7



Preview Result 1-PK+ FCC Licensed -25dBm Final_Result RMS Final_Result PK

Plot # 113 Radiated Emissions: 3 GHz – 7 GHz

Channel: Low



◆ PK+_MAXH
Final_Result RMS

* Critical_Freqs PK+
◆ Final_Result PK+

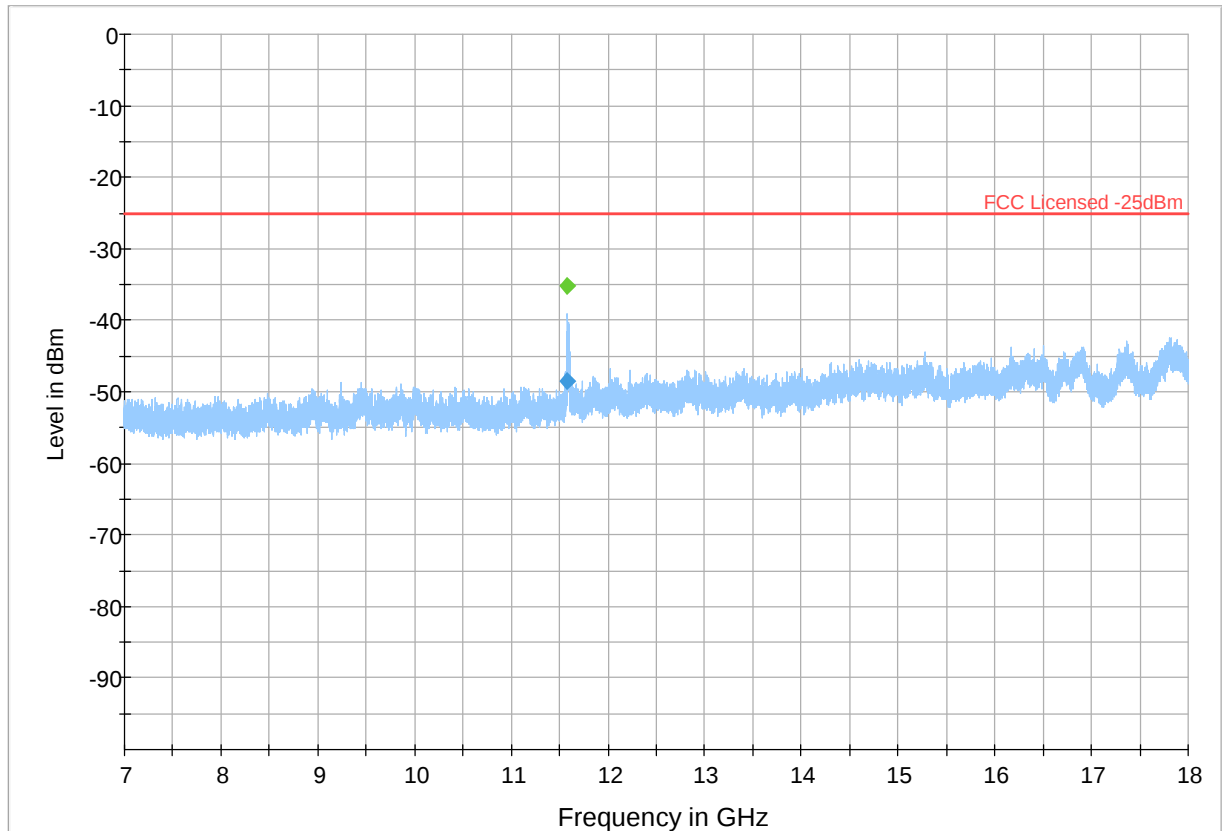
— -25dBm

Plot # 114 Radiated Emissions: 7 GHz – 18 GHz

Channel: Low

Final_Result

Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11585.900	---	-35.30	-25.00	10.3	500.0	1000.000	133.0	V	245.0	-91.1
11585.900	-48.46	---	-25.00	23.46	500.0	1000.000	133.0	V	245.0	-91.1



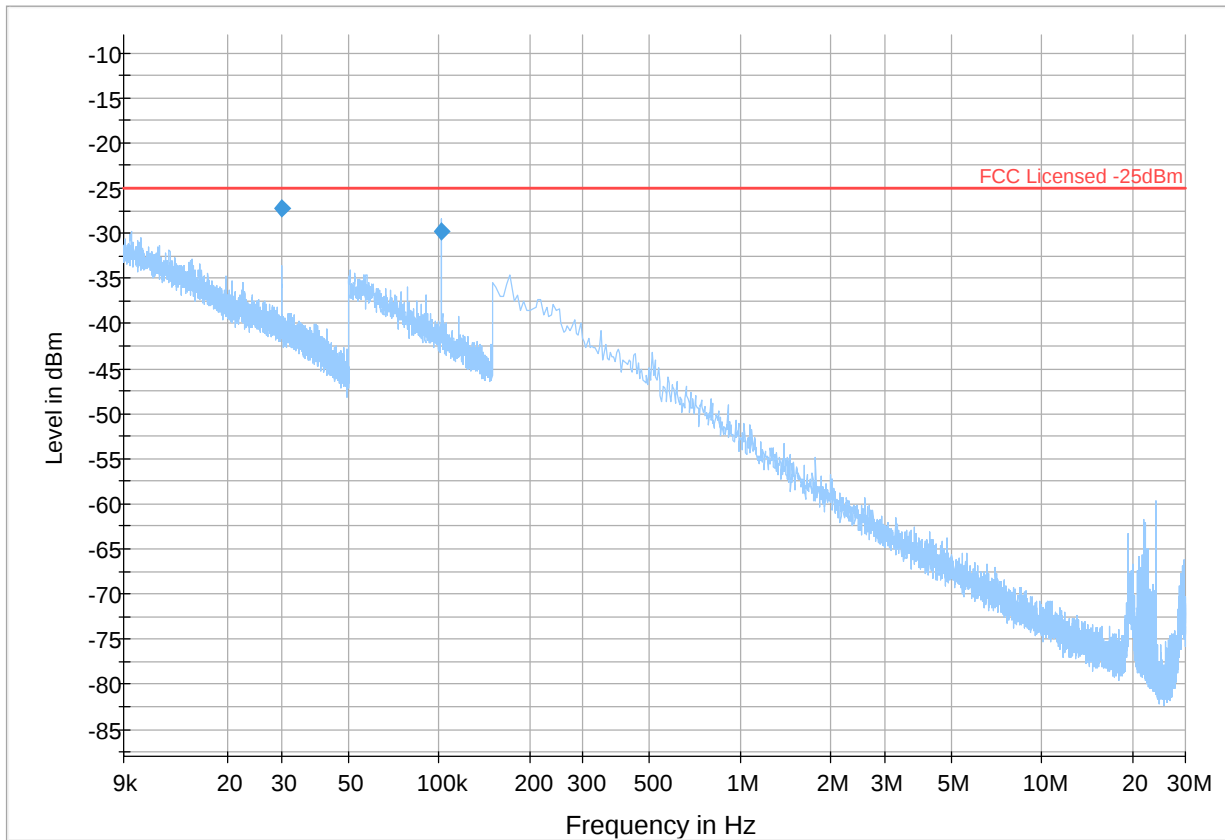
Preview Result 1-PK+ FCC Licensed -25dBm Final_Result RMS Final_Result PK-

Plot # 115 Radiated Emissions: 9 kHz - 30 MHz

Channel: Mid

Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.030	-27.23	-25.00	2.23	500.0	1.000	105.0	H	257.0	-72.1
0.102	-29.75	-25.00	4.75	500.0	1.000	100.0	H	21.0	-76.3



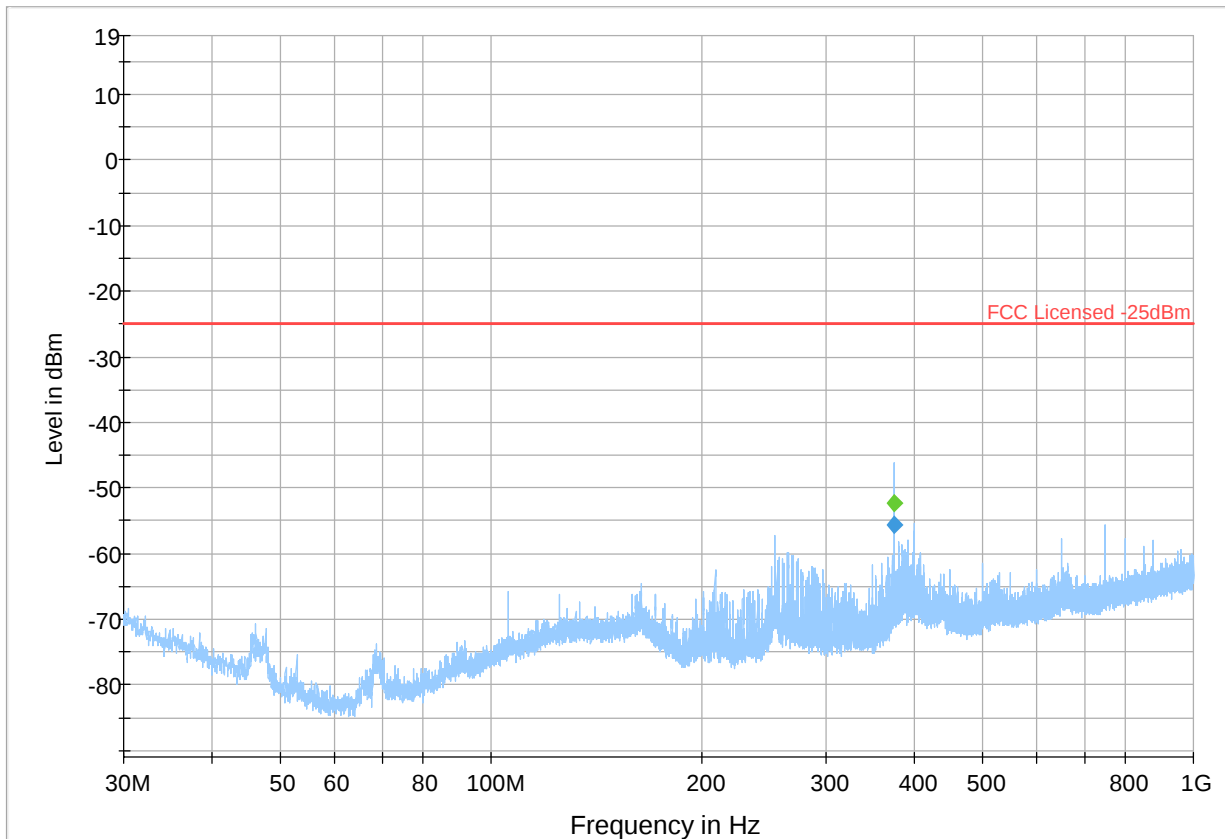
— Preview Result 1-PK+ — FCC Licensed -25dBm ◆ Final_Result RMS ◆ Final_Result PK

Plot # 116 Radiated Emissions: 30 MHz – 1GHz

Channel: Mid

Final Result

Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
374.981	---	-52.35	-25.00	27.35	500.0	100.000	252.0	H	15.0	-78.1
374.981	-55.69	---	-25.00	30.69	500.0	100.000	252.0	H	15.0	-78.1



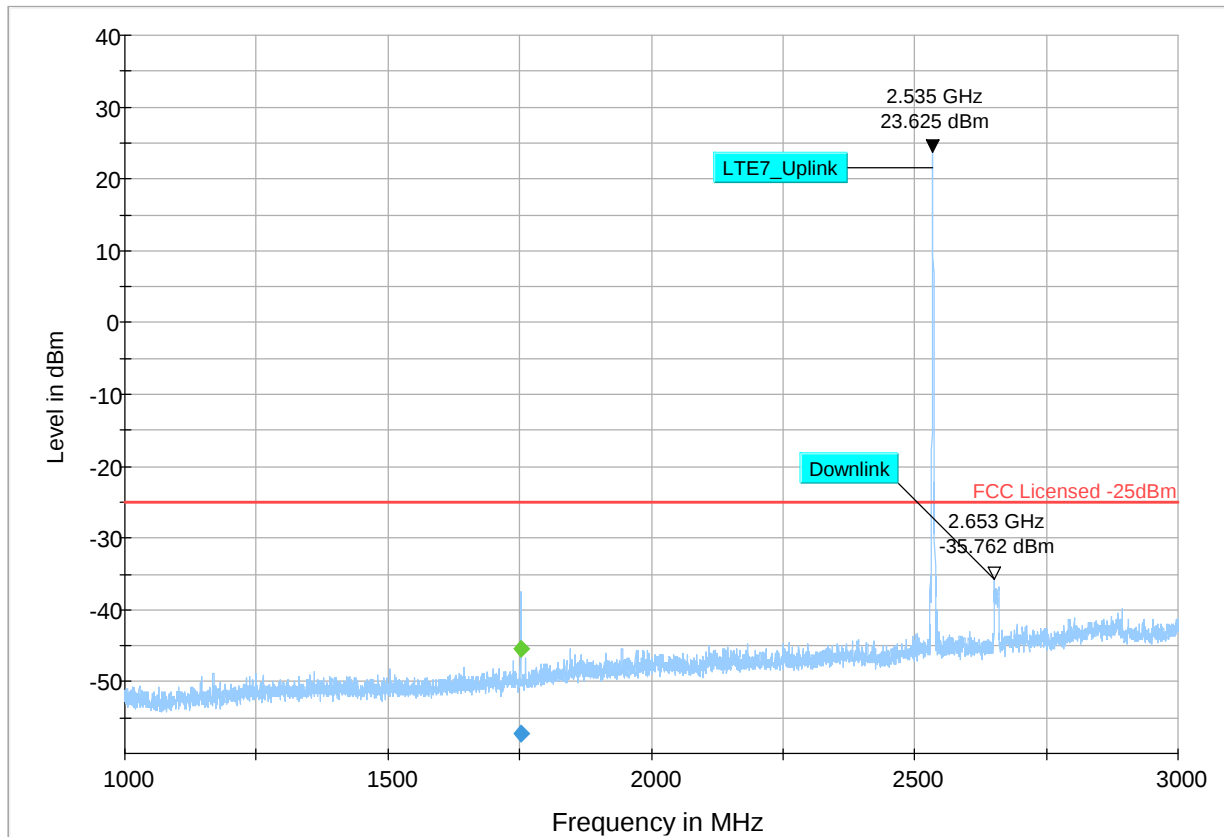
Preview Result 1-PK+ FCC Licensed -25dBm Final_Result RMS Final_Result PK

Plot # 117 Radiated Emissions: 1 GHz - 3 GHz

Channel: Mid

Final Result

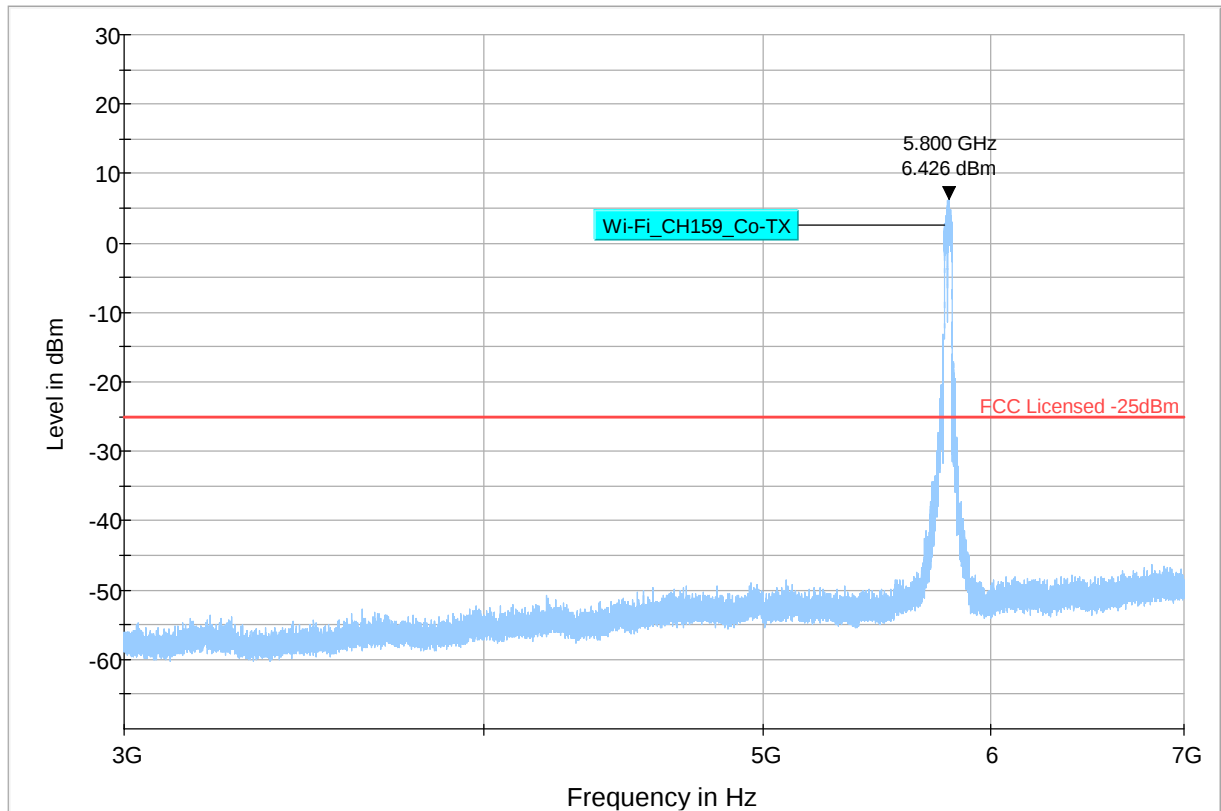
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1751.750	---	-45.36	-25.00	20.36	500.0	1000.000	199.0	H	46.0	-64.8
1751.750	-57.12	---	-25.00	32.12	500.0	1000.000	199.0	H	46.0	-64.8



Preview Result 1-PK+ FCC Licensed -25dBm Final_Result RMS Final_Result PK+

Plot # 118 Radiated Emissions: 3 GHz – 7 GHz

Channel: Mid



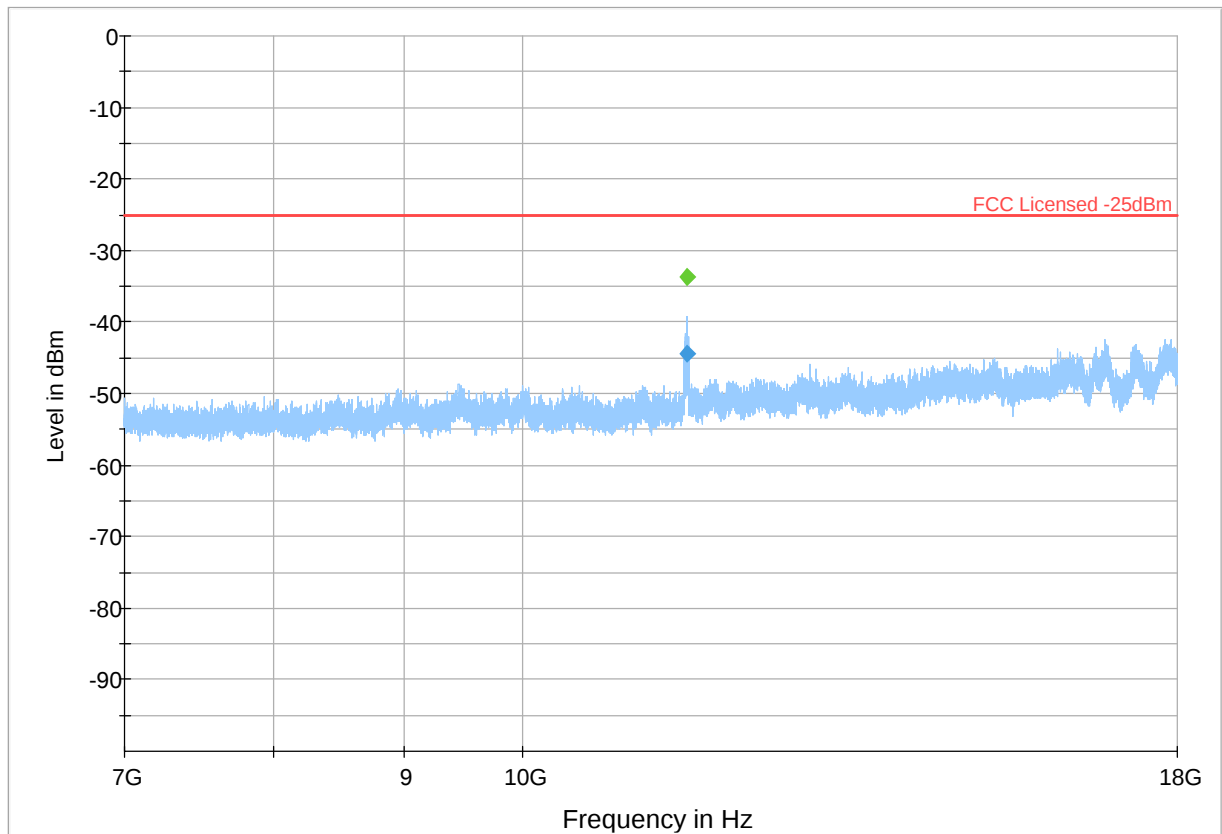
◆ Preview Result 1-PK+ Final_Result RMS * Critical_Freqs PK+ Final_Result PK+ — FCC Licensed -25dBm

Plot # 119 Radiated Emissions: 7 GHz – 18 GHz

Channel: Mid

Final_Result

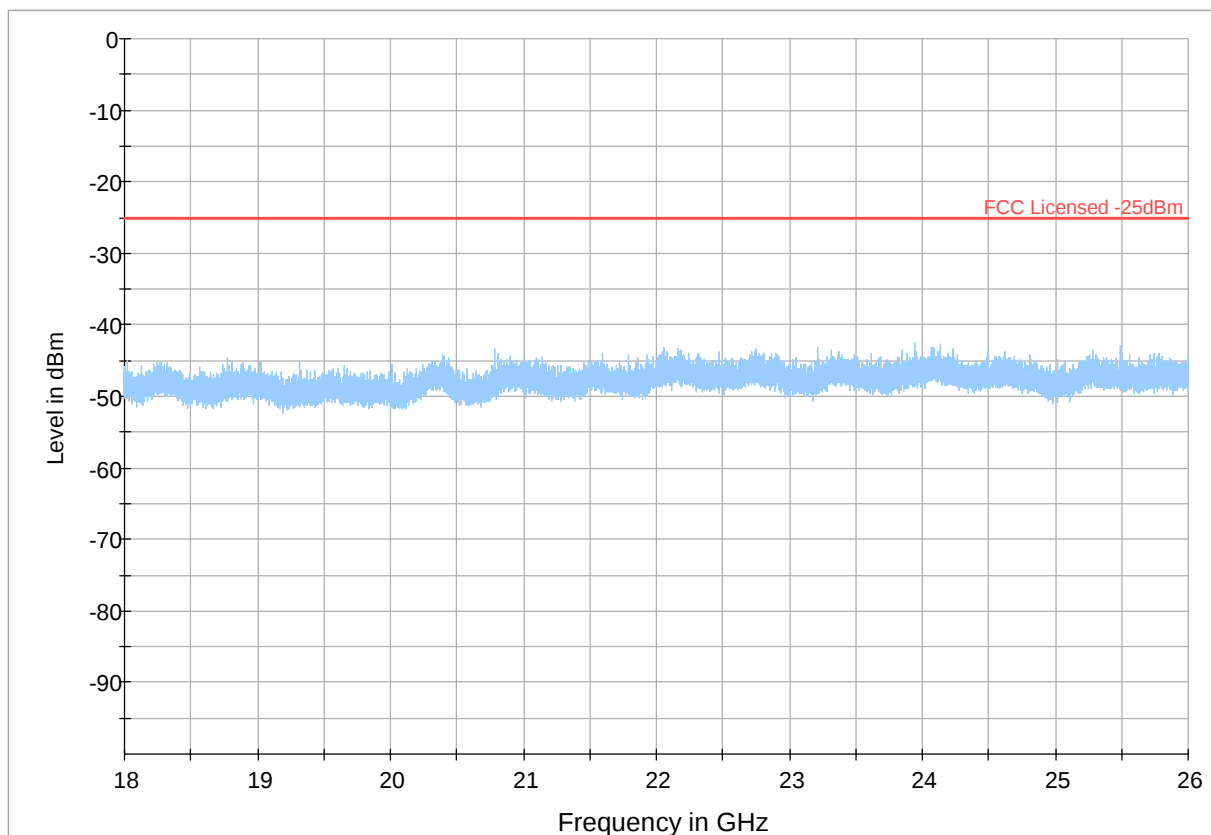
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11588.650	---	-33.79	-25.00	8.79	500.0	1000.000	124.0	V	286.0	-91.1
11588.650	-44.38	---	-25.00	19.38	500.0	1000.000	124.0	V	286.0	-91.1



Preview Result 1-PK+ FCC Licensed -25dBm Final_Result RMS Final_Result PK-

Plot # 120 Radiated Emissions: 18 GHz – 26 GHz

Channel: Mid



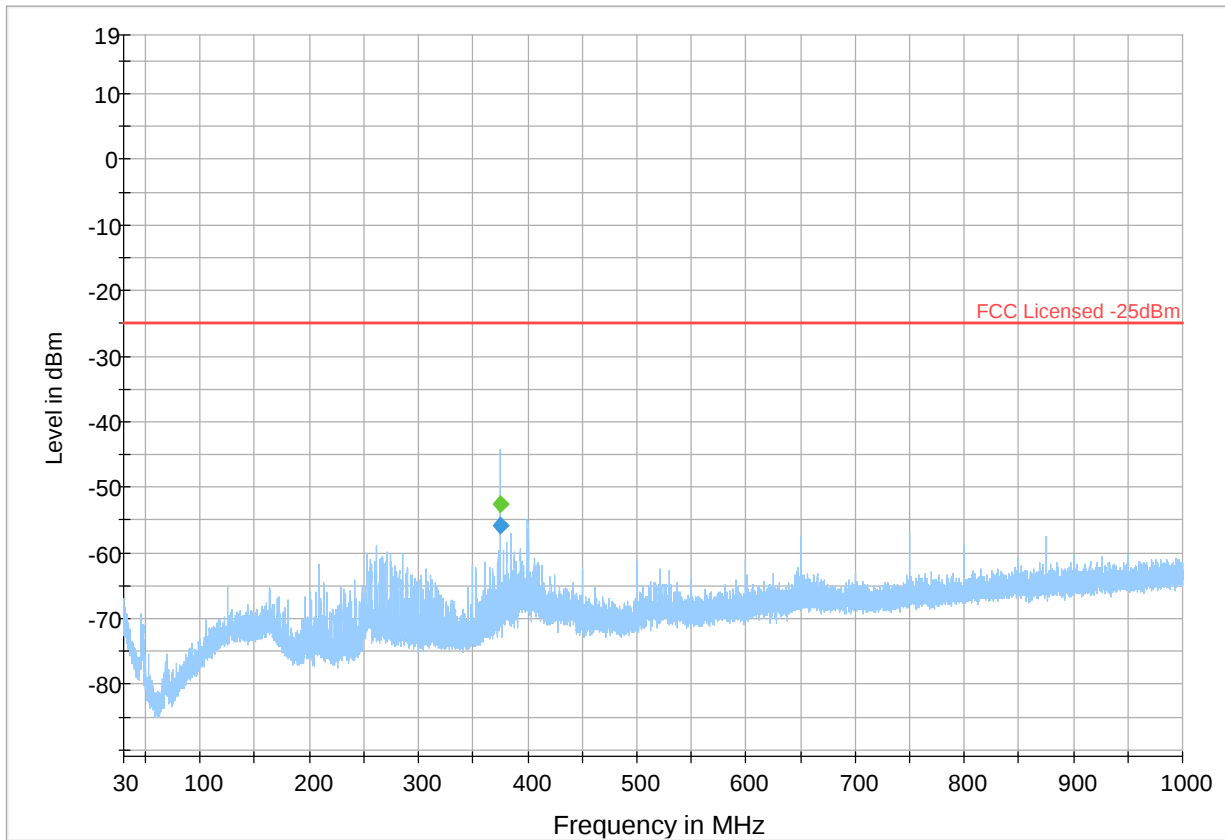
— Preview Result 1-PK+ — FCC Licensed -25dBm ◆ Final_Result RMS ◆ Final_Result PK

Plot # 121 Radiated Emissions: 30 MHz – 1GHz

Channel: High

Final Result

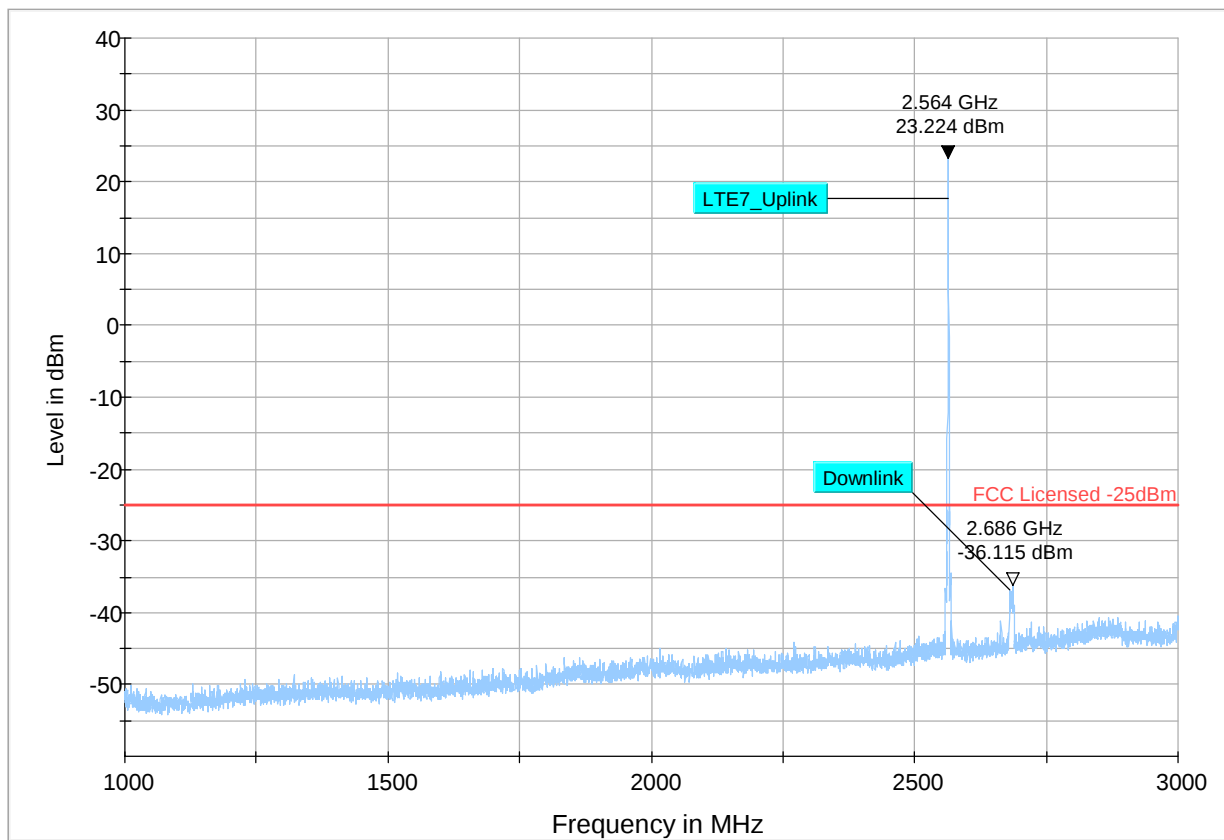
Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
374.981	---	-52.53	-25.00	27.53	500.0	100.000	200.0	H	21.0	-78.1
374.981	-55.84	---	-25.00	30.84	500.0	100.000	200.0	H	21.0	-78.1



— Preview Result 1-PK+ — FCC Licensed -25dBm ◆ Final_Result RMS ◆ Final_Result PK

Plot # 122 Radiated Emissions: 1 GHz - 3 GHz

Channel: High



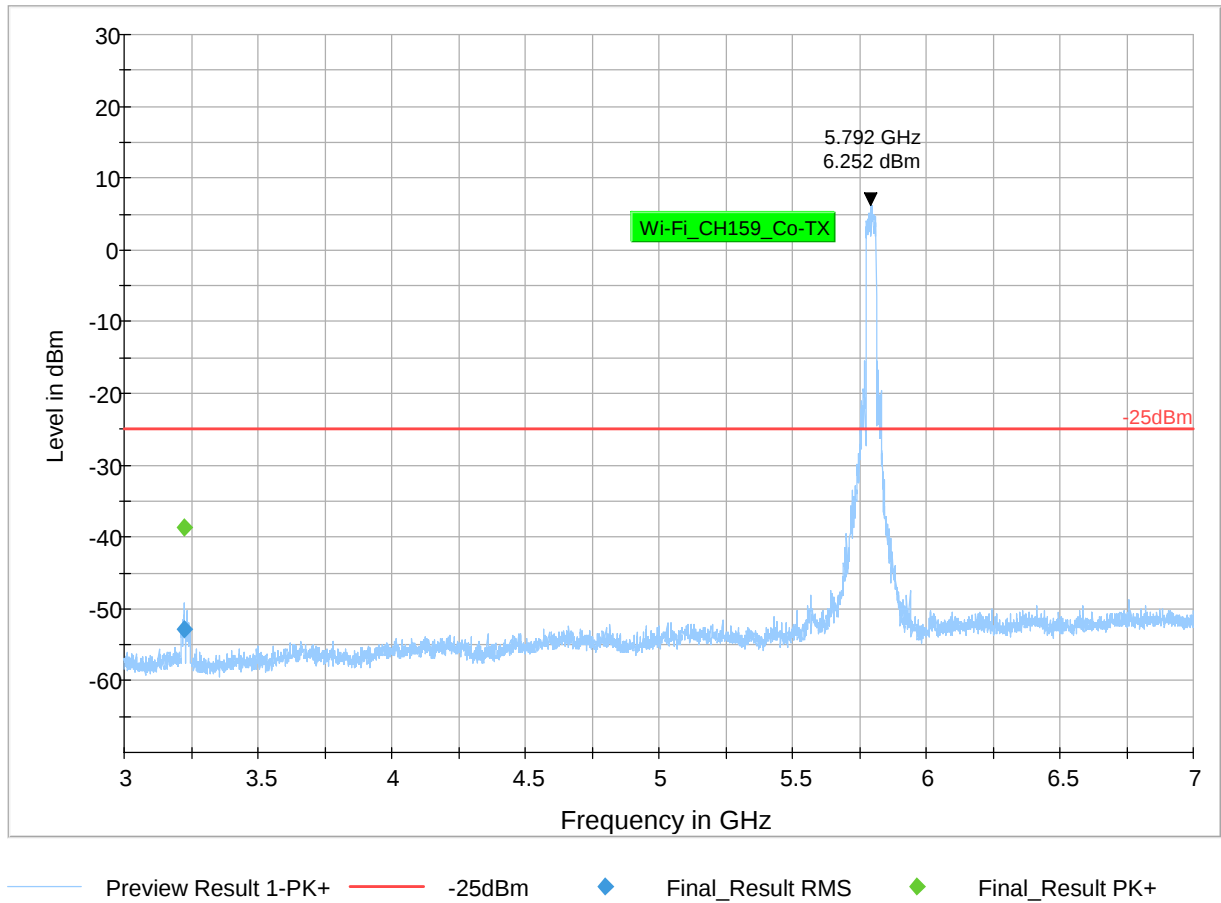
Preview Result 1-PK+ FCC Licensed -25dBm ◆ Final_Result RMS ◆ Final_Result PK-

Plot # 123 Radiated Emissions: 3 GHz – 7 GHz

Channel: High

Final_Result

Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3223.133	-52.91	---	-25.00	27.91	500.0	1000.000	247.0	V	0.0	-102.3
3223.133	---	-38.63	-25.00	13.63	500.0	1000.000	247.0	V	0.0	-102.3

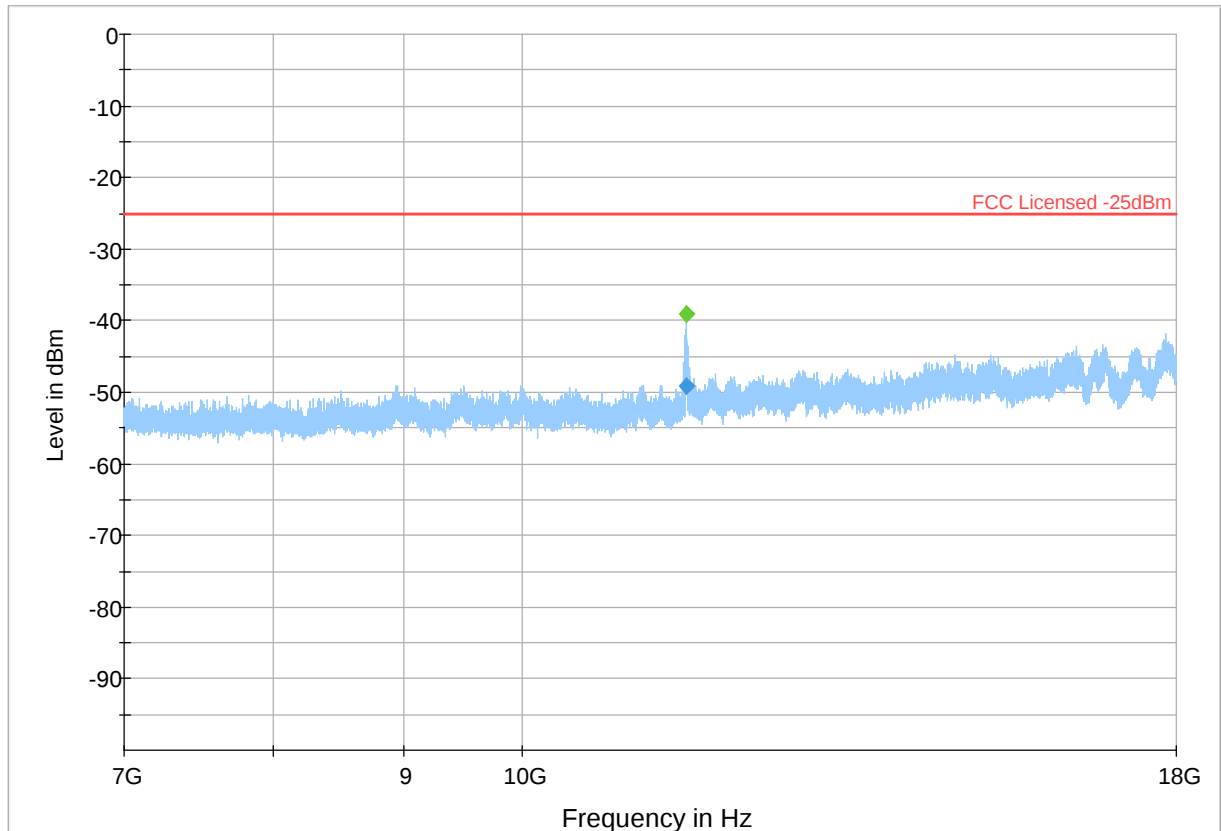


Plot # 124 Radiated Emissions: 7 GHz – 18 GHz

Channel: High

Final Result

Frequency (MHz)	RMS (dBm)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
11588.650	---	-39.09	-25.00	14.09	500.0	1000.000	218.0	V	284.0	-91.1
11588.650	-49.06	---	-25.00	24.06	500.0	1000.000	218.0	V	284.0	-91.1



Preview Result 1-PK+ FCC Licensed -25dBm Final_Result RMS Final_Result PK-

8 Test setup photos

Setup photos are included in supporting file name: "EMC_RIVIA-008-21001_FCC_Setup_Photos.pdf"

9 Test Equipment And Ancillaries Used For Testing

Equipment Type	Manufacturer	Model	Serial #	Calibration Cycle	Last Calibration Date
ACTIVE LOOP ANTENNA	ETS LINDGREN	6507	00161344	3 YEARS	10/30/2020
Biconilog Antenna	ETS Lindgren	3142E	00166067	3 YEARS	3/20/2020
Horn Antenna	ETS Lindgren	3115	00035114	3 YEARS	10/10/2020
Horn Antenna	ETS Lindgren	3117-PA	00215984	3 YEARS	1/31/2021
HORN ANTENNA	ETS LINDGREN	3116C	00070497	3 YEARS	11/23/2020
EMI Receiver	R&S	ESU40	100251	3 YEARS	7/16/2019
Digital Thermometer/Chilled Mirror Hygrometer	Control Company	36934-164	191872028	3 YEARS	1/10/2019

Note: Equipment used meets the measurement uncertainty requirements as required per applicable standards for 95% confidence levels.

Calibration due dates, unless defined specifically, falls on the last day of the month. Items indicated "N/A" for cal status either do not specifically require calibration or is internally characterized before use.

10 Revision History

Date	Report Name	Changes to report	Report prepared by
5/6/2021	EMC_RIVIA-008-21001_FCC_22_24_27	Initial Version	Issa Ghanma
5/19/2021	EMC_RIVIA-008-21001_FCC_22_24_27_REV1	❖ Section 7.1: - o Remove GSM850/GSM1900 duty cycle correction factor application. - o Replace GSM1900 calculated E(I)RP value with measured E(I)RP - o Add note for GSM1900 below table.	Issa Ghanma

<<< The End >>>