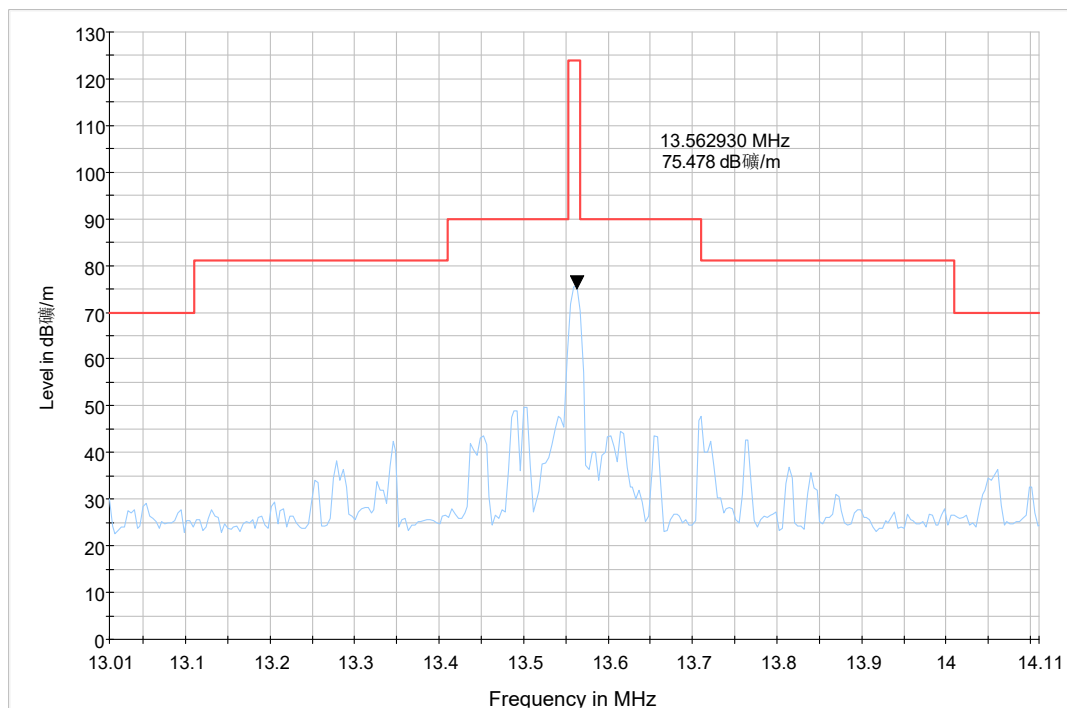


ANNEX A: Test Result

1. Radiates Emission

A symbol (dB μ V/m) in the test plot below means (dB μ V/m)

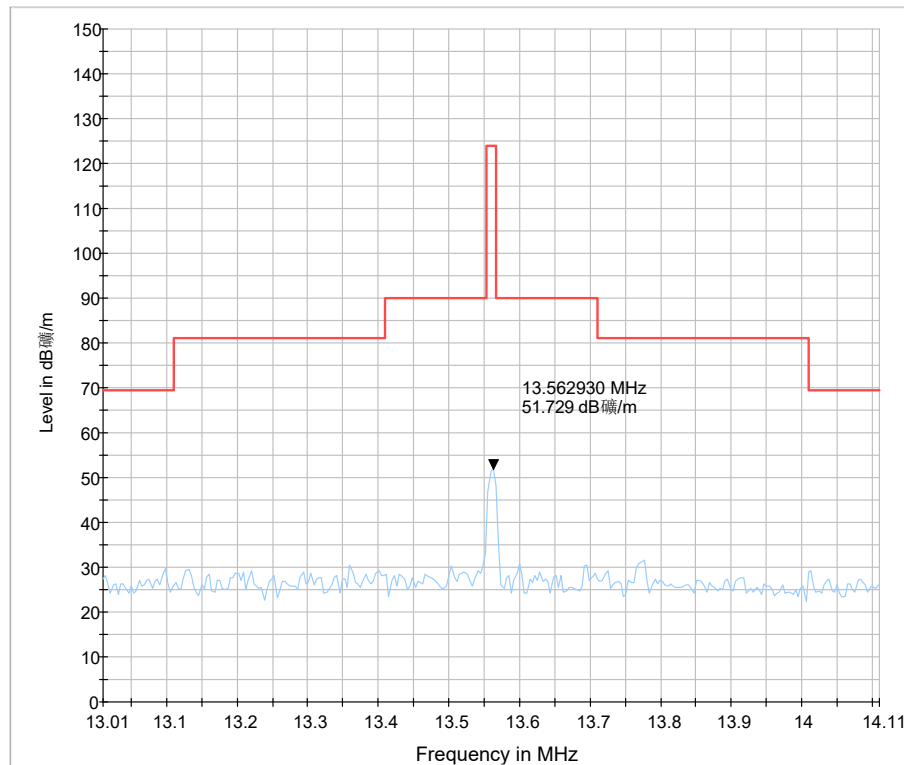
In-band
Original



Radiates Emission from 13.01MHz to 14.11MHz

Note: This graph displays the maximum values of horizontal and vertical by software

Variant



Radiates Emission from 13.01MHz to 14.11MHz

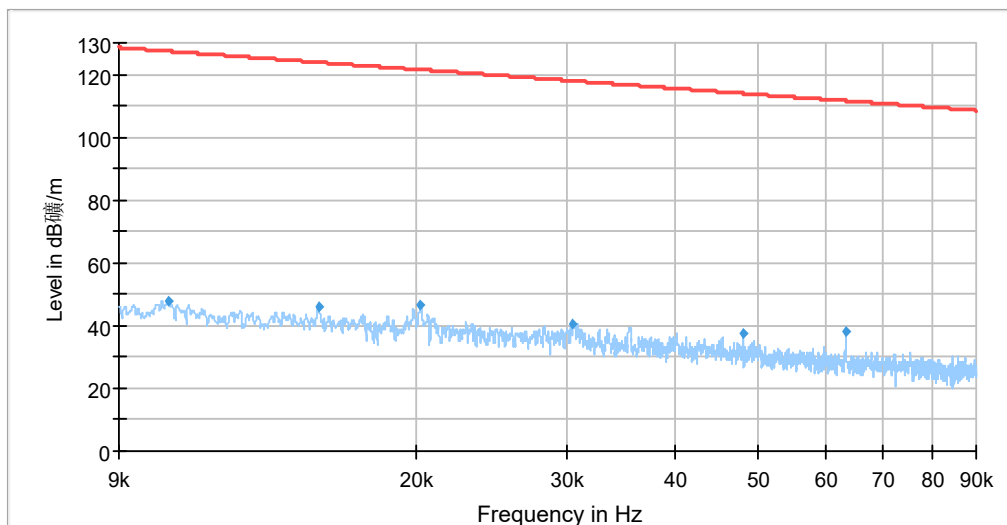
Note: This graph displays the maximum values of horizontal and vertical by software

Out-of-band

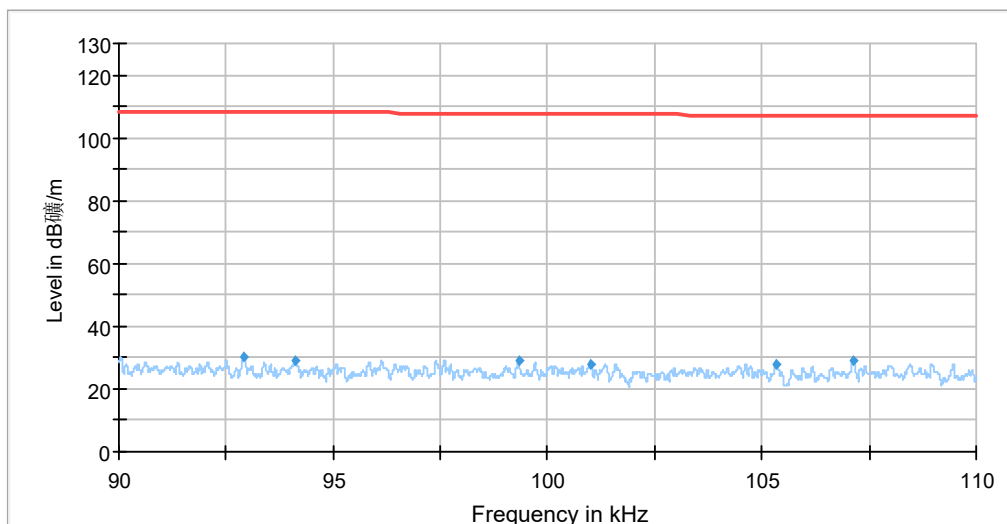
The following graphs display the maximum values of coaxial and coplanar for 9k-30MHz; horizontal and vertical for 30MHz to 1GHz by software.

For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.

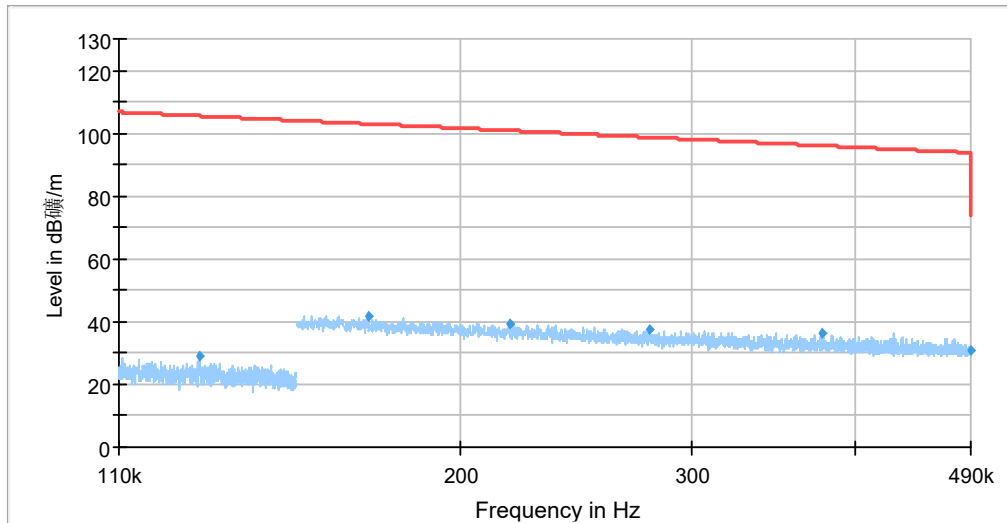
Original



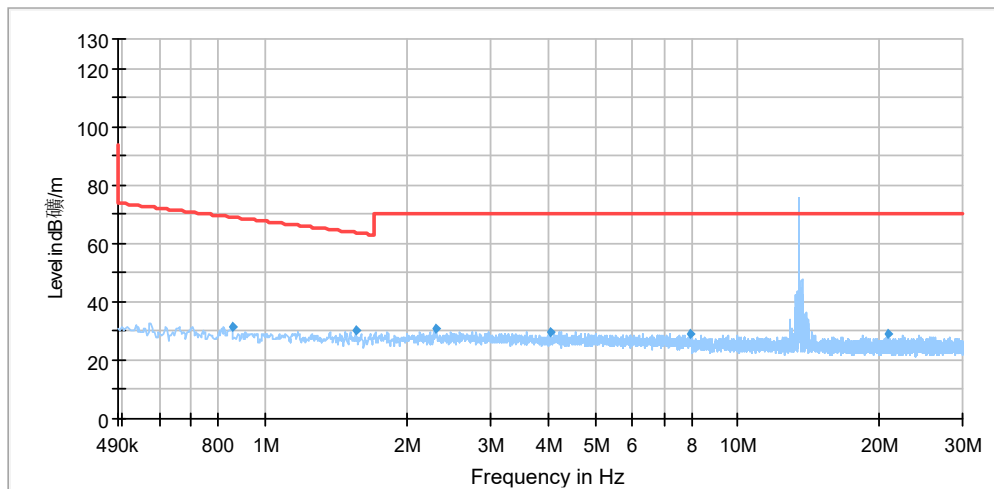
Radiates Emission from 9kHz to 90kHz



Radiates Emission from 90kHz to 110kHz

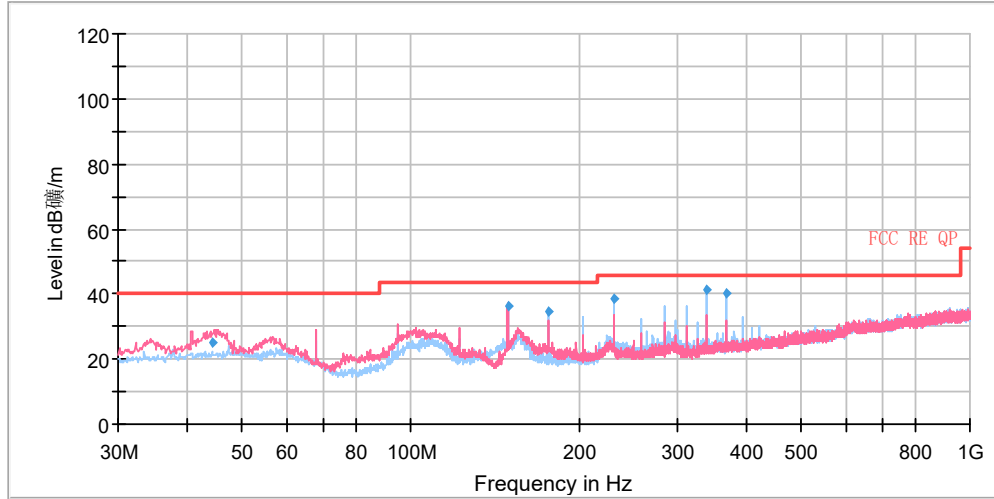


Radiates Emission from 110 kHz to 490kHz



Note: The signal beyond the limit is carrier.

Radiates Emission from 490kHz to 30MHz



Radiates Emission from 30MHz to 1GHz

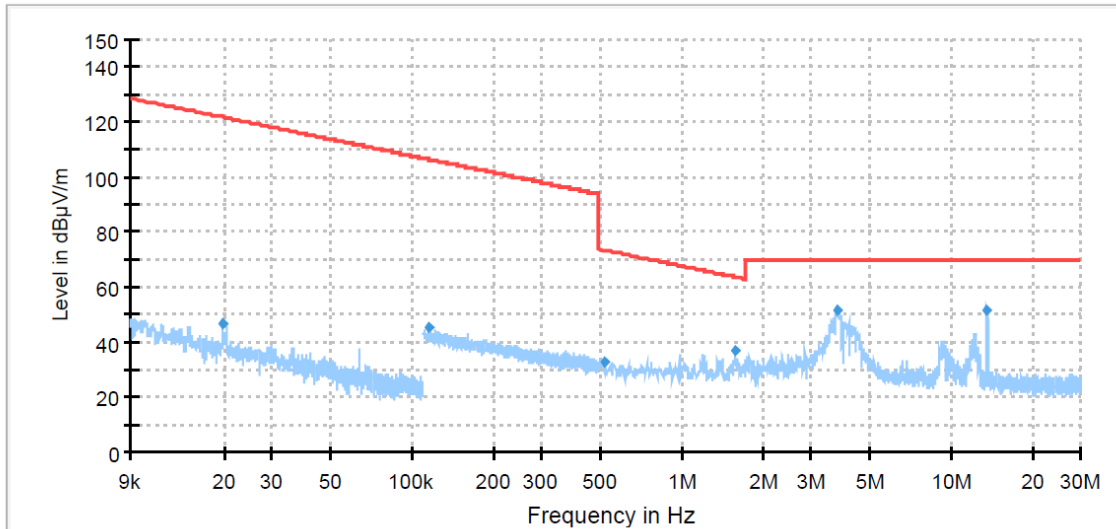
Note: This graph displays the maximum values of horizontal and vertical by software

Frequency (MHz)	Quasi-Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
44.23	25.19	40.00	14.81	102.0	V	0.00	15
149.15	36.18	43.50	7.32	100.0	V	84.00	10
176.27	34.58	43.50	8.92	184.0	H	287.00	11
230.51	38.37	46.00	7.63	122.0	H	2.00	14
338.99	41.52	46.00	4.48	100.0	H	313.00	17
366.11	40.08	46.00	5.92	102.0	H	134.00	17

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit – Quasi-Peak

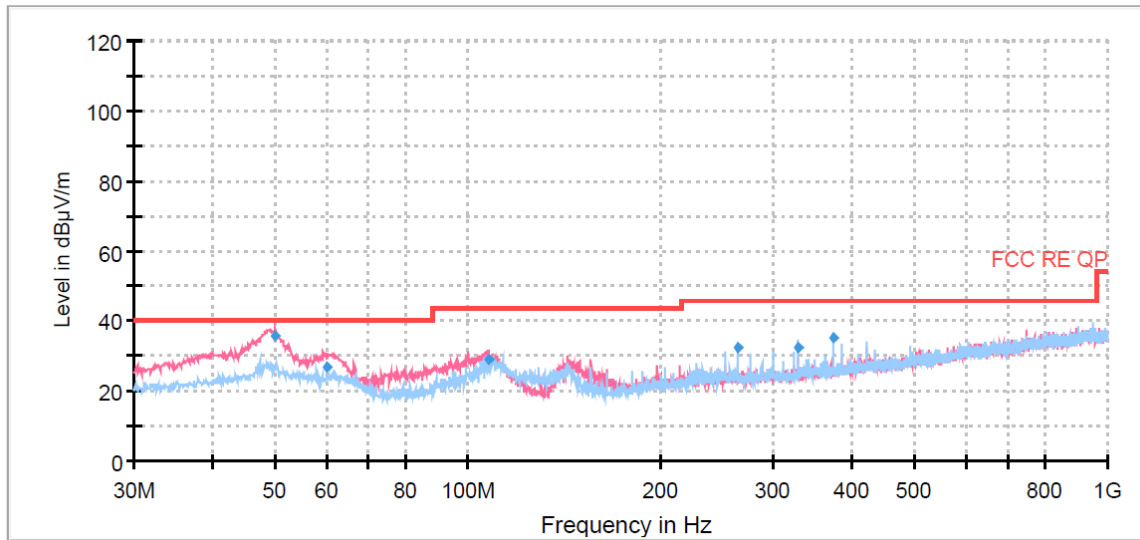
Variant



Radiates Emission from 9kHz to 30MHz

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Azimuth (deg)	Corr. (dB/m)
0.02	46.58	121.68	75.10	500.00	0.200	239.00	17
0.12	45.53	106.35	60.82	150.00	9.000	158.00	17
0.52	32.60	73.29	40.69	150.00	9.000	71.00	17
1.58	36.81	63.61	26.80	150.00	9.000	359.00	17
3.79	51.81	69.50	17.69	150.00	9.000	282.00	17
13.56	51.73	69.50	17.77	150.00	9.000	332.00	17



Radiates Emission from 30MHz to 1GHz

Note: This graph displays the maximum values of horizontal and vertical by software

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.01	35.47	40.00	4.53	1000.00	100.0	V	0.00	20
59.94	26.93	40.00	13.07	1000.00	100.0	V	354.00	19
108.00	29.07	43.50	14.43	1000.00	100.0	V	0.00	18
264.01	32.41	46.00	13.59	1000.00	100.0	H	29.00	20
327.75	32.38	46.00	13.62	1000.00	100.0	H	124.00	22
372.01	34.97	46.00	11.03	1000.00	100.0	H	135.00	23

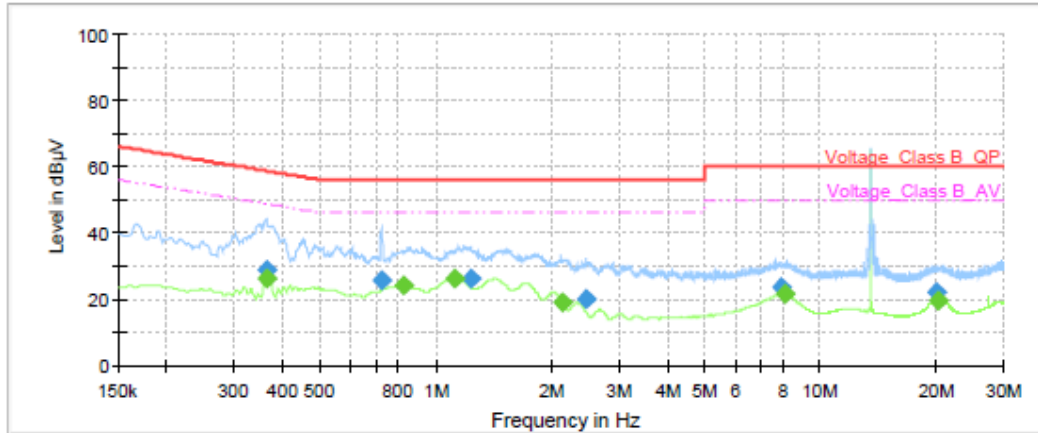
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit – Quasi-Peak

2. Conducted Emission

During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition was recorded in this report.

Original

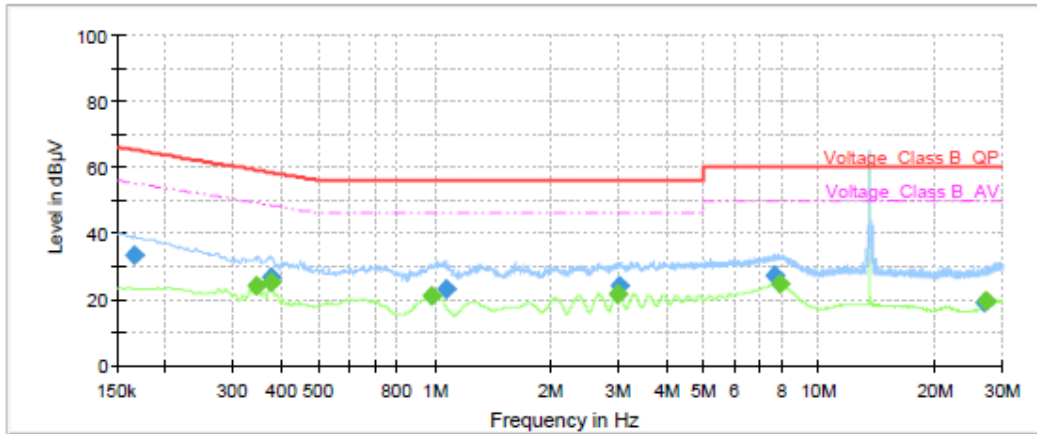


Note: The signal beyond the limit is carrier.

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.36	---	25.93	48.69	22.76	1000.0	9.000	L1	ON	20.8
0.36	28.87	---	58.69	29.82	1000.0	9.000	L1	ON	20.8
0.72	25.52	---	56.00	30.48	1000.0	9.000	L1	ON	20.3
0.83	---	24.22	46.00	21.78	1000.0	9.000	L1	ON	20.1
1.12	---	26.31	46.00	19.69	1000.0	9.000	L1	ON	19.8
1.24	25.98	---	56.00	30.02	1000.0	9.000	L1	ON	19.8
2.12	---	19.01	46.00	26.99	1000.0	9.000	L1	ON	19.4
2.46	19.91	---	56.00	36.09	1000.0	9.000	L1	ON	19.3
7.87	23.81	---	60.00	36.19	1000.0	9.000	L1	ON	19.2
8.09	---	21.68	50.00	28.32	1000.0	9.000	L1	ON	19.2
20.09	21.85	---	60.00	38.15	1000.0	9.000	L1	ON	19.7
20.35	---	19.71	50.00	30.29	1000.0	9.000	L1	ON	19.7

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 KHz to 30 MHz



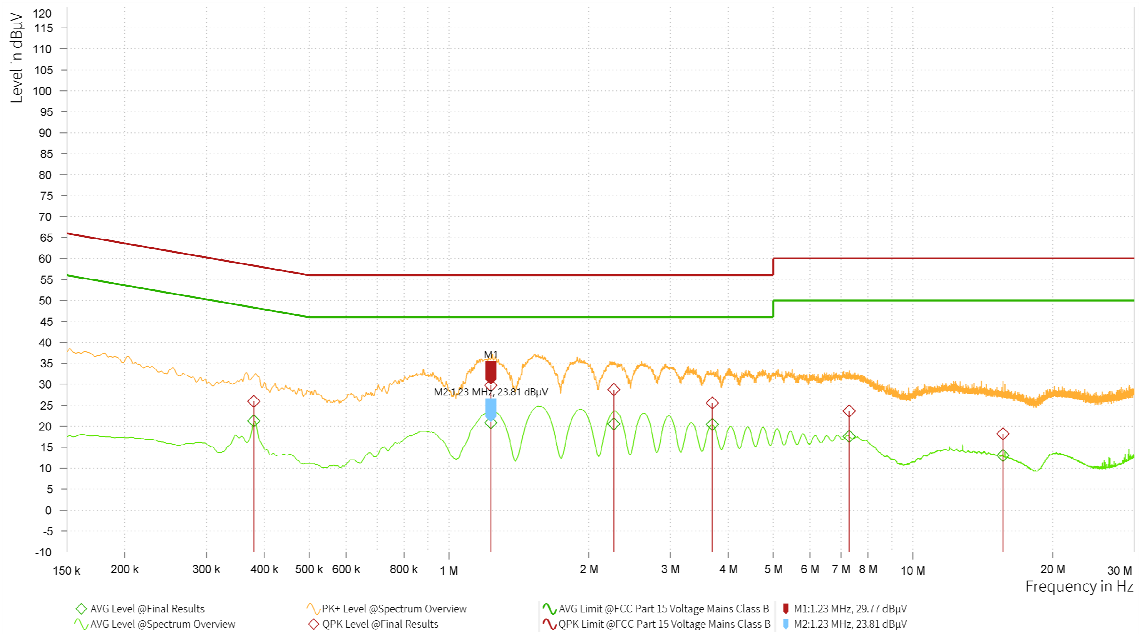
Note: The signal beyond the limit is carrier.

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.17	33.48	---	65.17	31.69	1000.0	9.000	N	ON	20.9
0.35	---	24.25	49.06	24.81	1000.0	9.000	N	ON	20.9
0.38	---	25.18	48.39	23.21	1000.0	9.000	N	ON	20.8
0.38	26.90	---	58.34	31.44	1000.0	9.000	N	ON	20.8
0.98	---	21.09	46.00	24.91	1000.0	9.000	N	ON	20.0
1.07	23.09	---	56.00	32.91	1000.0	9.000	N	ON	19.9
3.00	---	21.60	46.00	24.40	1000.0	9.000	N	ON	19.3
3.03	23.97	---	56.00	32.03	1000.0	9.000	N	ON	19.3
7.68	27.23	---	60.00	32.77	1000.0	9.000	N	ON	19.3
7.92	---	24.82	50.00	25.18	1000.0	9.000	N	ON	19.3
26.95	19.20	---	60.00	40.80	1000.0	9.000	N	ON	20.1
27.12	---	19.33	50.00	30.67	1000.0	9.000	N	ON	20.1

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 KHz to 30 MHz

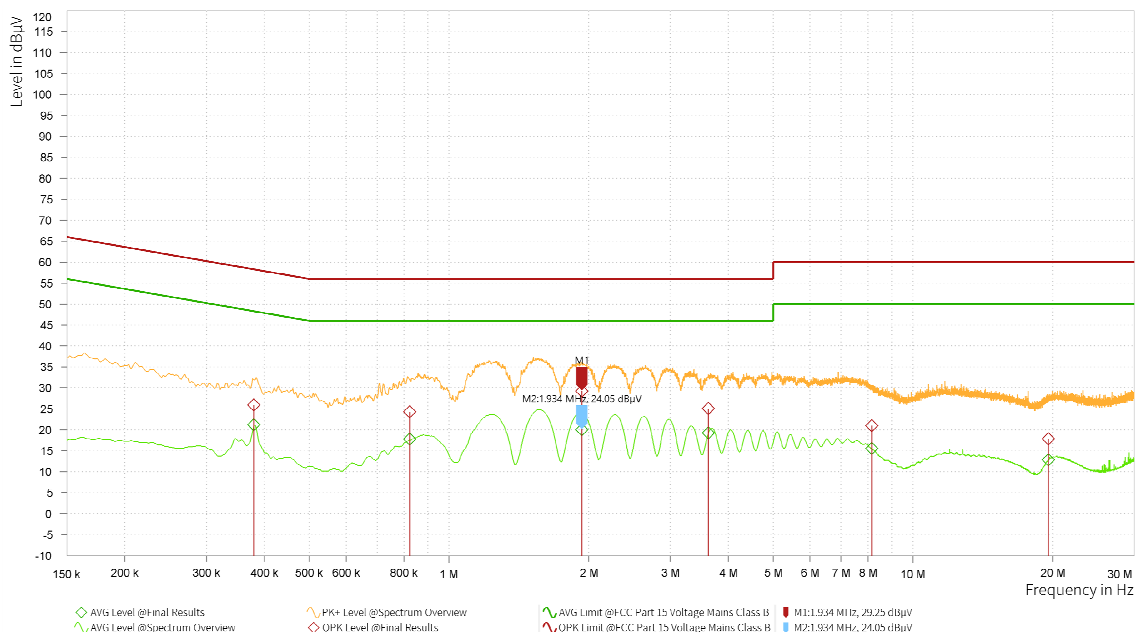
Variant



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.380	25.94	58.29	32.35	21.26	48.29	27.03	20.90	L1	9.000	1.000
1.230	29.77	56.00	26.23	20.81	46.00	25.19	20.00	L1	9.000	1.000
2.265	28.73	56.00	27.27	20.56	46.00	25.44	19.59	L1	9.000	1.000
3.696	25.51	56.00	30.49	20.45	46.00	25.55	19.44	L1	9.000	1.000
7.292	23.63	60.00	36.37	17.59	50.00	32.41	19.41	L1	9.000	1.000
15.637	18.18	60.00	41.82	13.04	50.00	36.96	19.52	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.380	25.94	58.29	32.35	21.25	48.29	27.04	20.91	N	9.000	1.000
0.823	24.28	56.00	31.72	17.82	46.00	28.18	20.32	N	9.000	1.000
1.934	29.25	56.00	26.75	20.05	46.00	25.95	19.68	N	9.000	1.000
3.624	25.07	56.00	30.93	19.24	46.00	26.76	19.45	N	9.000	1.000
8.153	21.02	60.00	38.98	15.59	50.00	34.41	19.42	N	9.000	1.000
19.583	17.85	60.00	42.15	12.88	50.00	37.12	19.69	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz