

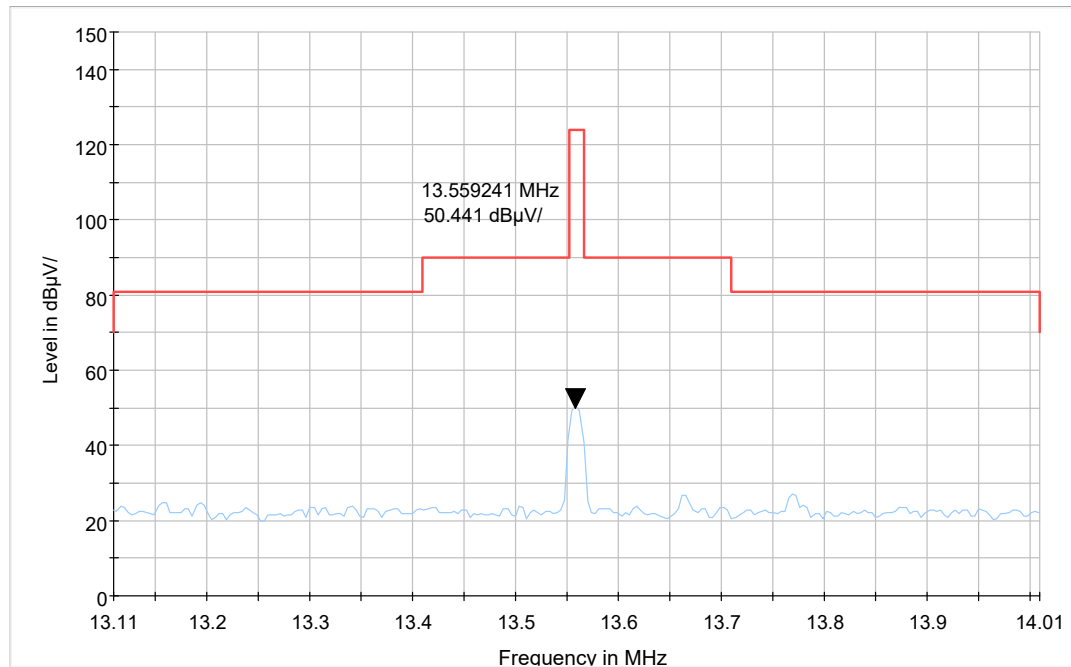
ANNEX A: Test Result

1. Radiates Emission

The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (X axis) and the loop antenna is vertical, the other antennas are vertical and horizontal.

A symbol ($\text{dB}\mu\text{V/}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)

In-band

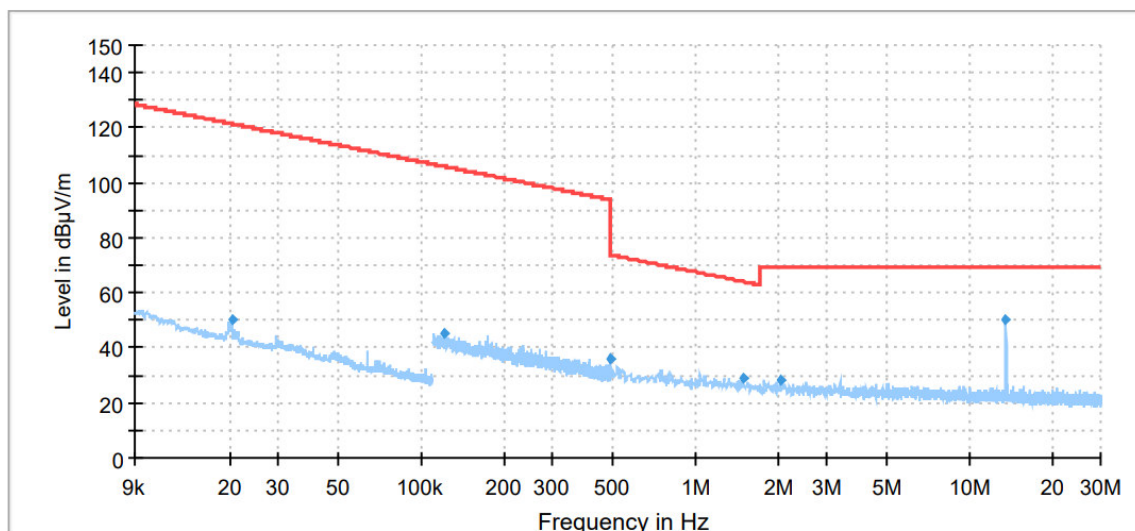


Radiates Emission from 13.11MHz to 14.01MHz

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

Out-of-band

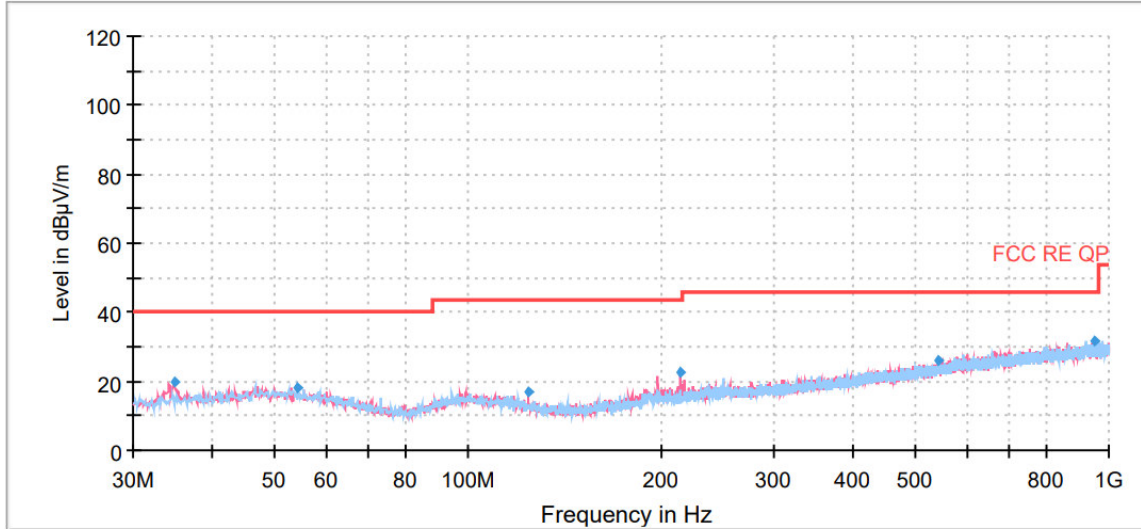
The following graphs display the maximum values of horizontal and vertical by software.
For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Azimuth (deg)	Corr. (dB/m)
0.02	50.51	121.46	70.95	500.00	335.00	17
0.12	45.41	105.90	60.49	150.00	224.00	17
0.49	36.03	93.80	57.77	150.00	144.00	17
1.48	28.82	64.18	35.36	150.00	7.00	17
2.05	27.98	69.50	41.52	150.00	294.00	17
13.56	50.44	69.50	19.06	150.00	328.00	17

Radiates Emission from 9kHz to 30MHz



Radiates Emission from 30MHz to 1GHz

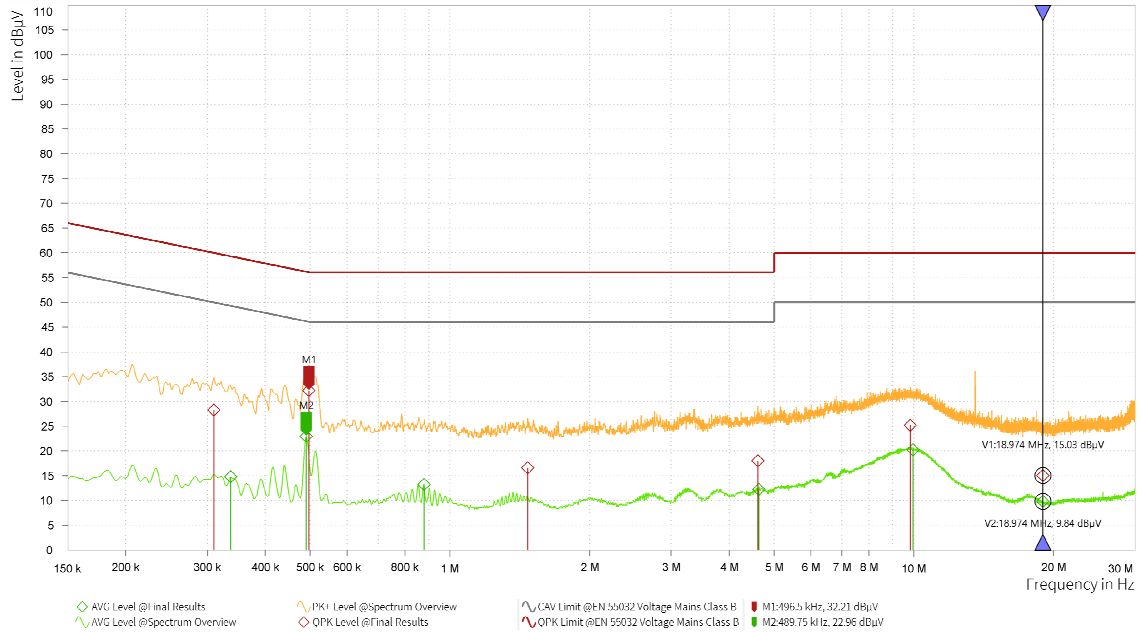
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.73	19.74	40.00	20.26	200.00	100.0	V	46.00	18
54.25	18.20	40.00	21.80	200.00	100.0	H	60.00	20
123.85	17.21	43.50	26.29	200.00	200.0	V	0.00	16
214.42	22.52	43.50	20.98	200.00	200.0	V	176.00	18
543.49	26.01	46.00	19.99	200.00	200.0	V	91.00	26
945.80	31.77	46.00	14.23	200.00	100.0	H	138.00	32

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)
2. Margin = Limit – Quasi-Peak

2. Conducted Emission

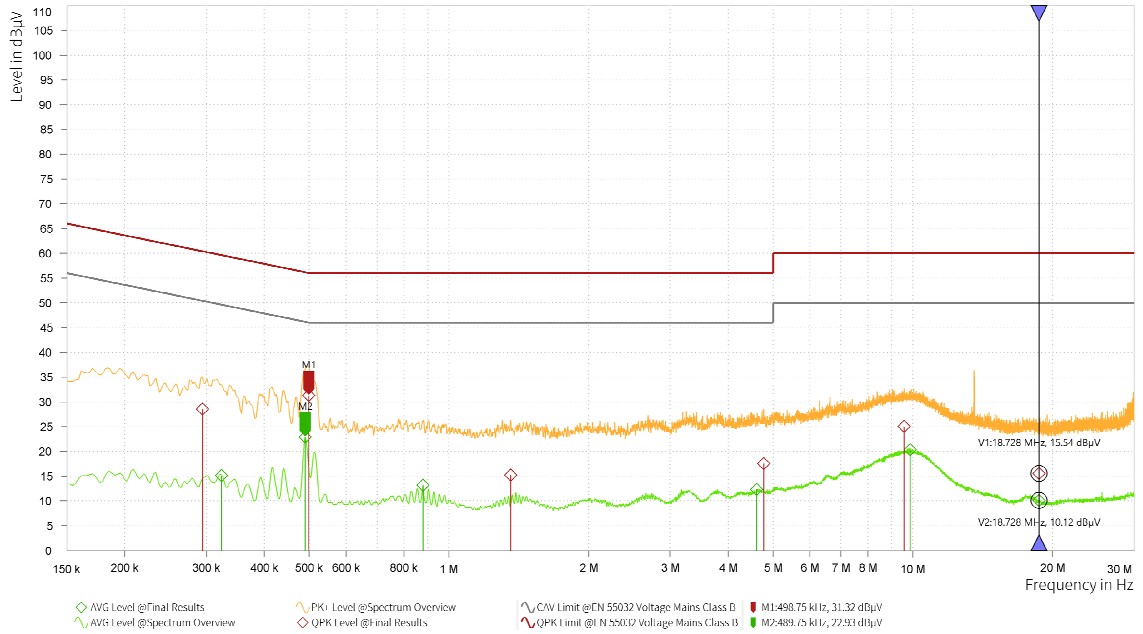
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.310	28.28	59.98	31.70				20.93	L1	9.000	1.000
0.337				14.79	49.28	34.49	20.93	L1	9.000	1.000
0.490				22.96	46.17	23.21	20.79	L1	9.000	1.000
0.497	32.21	56.06	23.84				20.78	L1	9.000	1.000
0.879				13.23	46.00	32.77	20.26	L1	9.000	1.000
1.471	16.62	56.00	39.38				19.86	L1	9.000	1.000
4.612	18.02	56.00	37.98				19.41	L1	9.000	1.000
4.637				12.23	46.00	33.77	19.41	L1	9.000	1.000
9.834	25.18	60.00	34.82				19.42	L1	9.000	1.000
9.965				20.25	50.00	29.75	19.42	L1	9.000	1.000
18.974	15.03	60.00	44.97	9.84	50.00	40.16	19.63	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: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.294	28.56	60.41	31.85				20.96	N	9.000	1.000
0.323				15.15	49.62	34.47	20.93	N	9.000	1.000
0.490				22.93	46.17	23.24	20.80	N	9.000	1.000
0.499	31.32	56.02	24.70				20.79	N	9.000	1.000
0.879				13.17	46.00	32.83	20.27	N	9.000	1.000
1.358	15.23	56.00	40.77				19.93	N	9.000	1.000
4.610				12.32	46.00	33.68	19.42	N	9.000	1.000
4.769	17.56	56.00	38.44				19.42	N	9.000	1.000
9.582	25.04	60.00	34.96				19.43	N	9.000	1.000
9.875				20.35	50.00	29.65	19.44	N	9.000	1.000
18.728	15.54	60.00	44.46	10.12	50.00	39.88	19.66	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz