

ANNEX A: Test Result

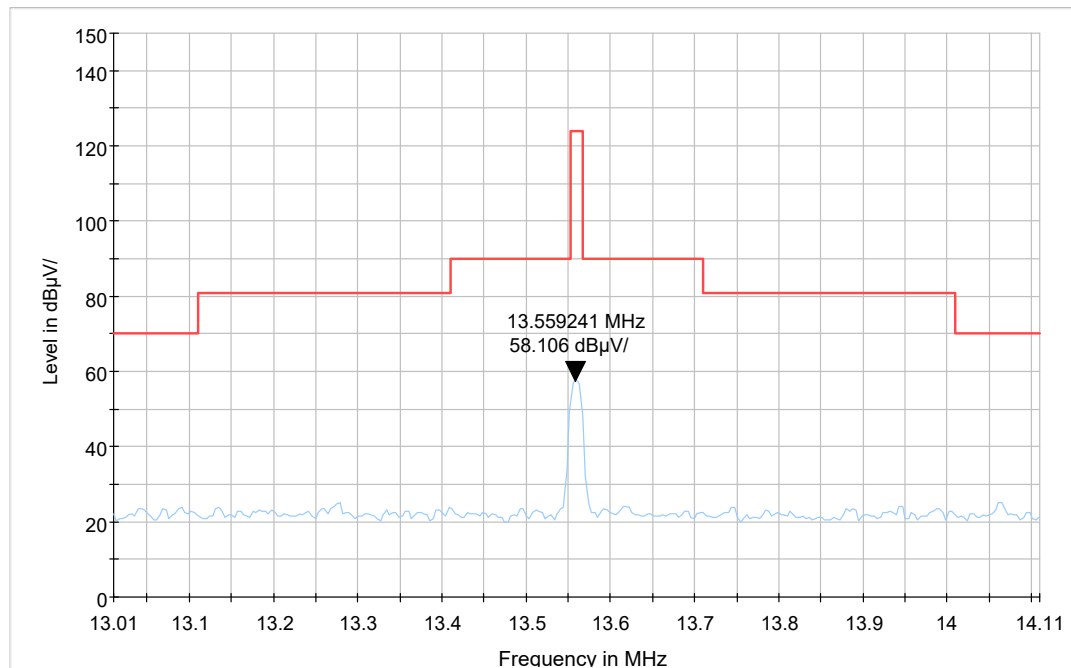
1. Radiates Emission

The test is in transmitting all mode, NFC-A was selected as the worst condition. The test data of the worst-case condition was recorded in this report.

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

In-band



Radiates Emission from 13.01MHz to 14.11MHz

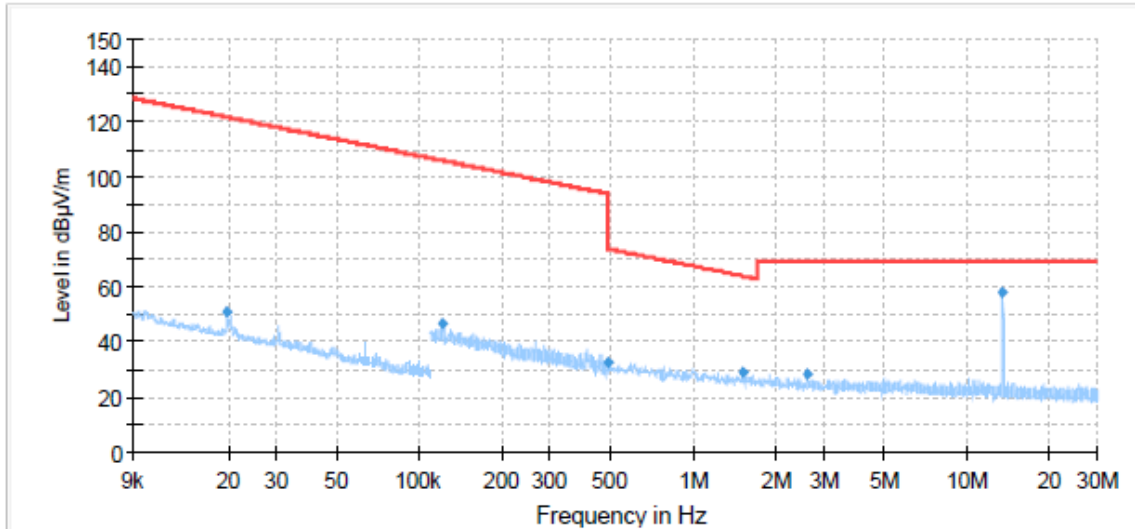
Note: This graph displays the maximum values of horizontal and vertical by software

Out-of-band

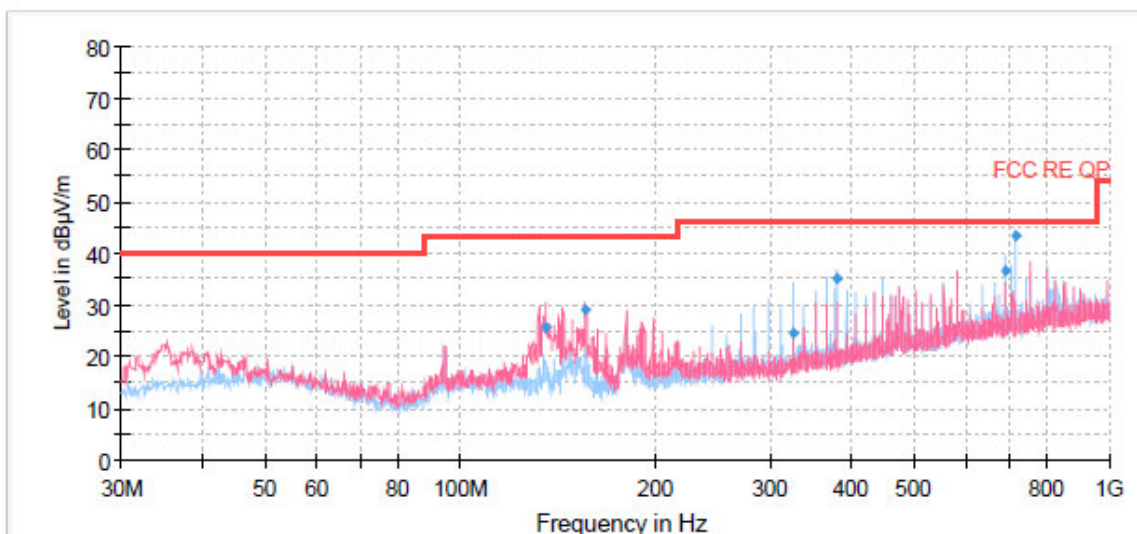
The test is in transmitting all mode, NFC-A was selected as the worst condition. The test data of the worst-case condition was recorded in this report.

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.



Radiates Emission from 9kHz to 30MHz



Radiates Emission from 30MHz to 1GHz

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

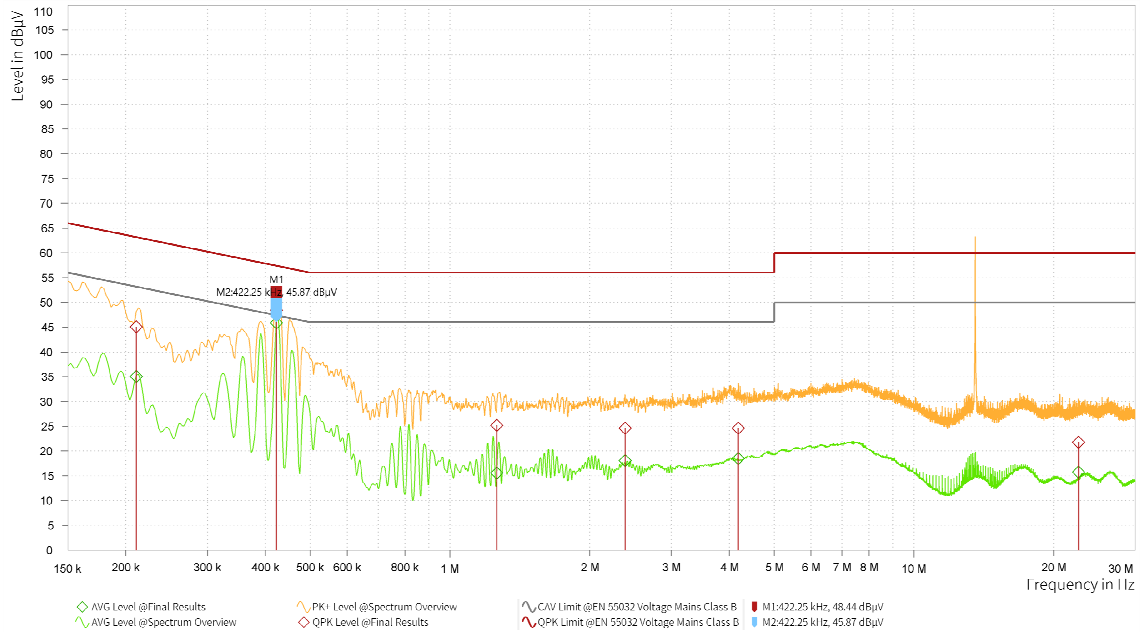
Frequency (MHz)	Quasi-Peak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
135.61	25.51	43.50	17.99	105.0	V	11.00	15
155.98	29.22	43.50	14.28	100.0	V	161.00	15
325.37	24.71	46.00	21.29	135.0	H	165.00	22
379.69	35.00	46.00	11.00	100.0	H	326.00	23
691.54	36.68	46.00	9.32	102.0	H	306.00	28
718.70	43.48	46.00	2.52	100.0	H	90.00	28

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

2. Margin = Limit – Quasi-Peak

2. Conducted Emission

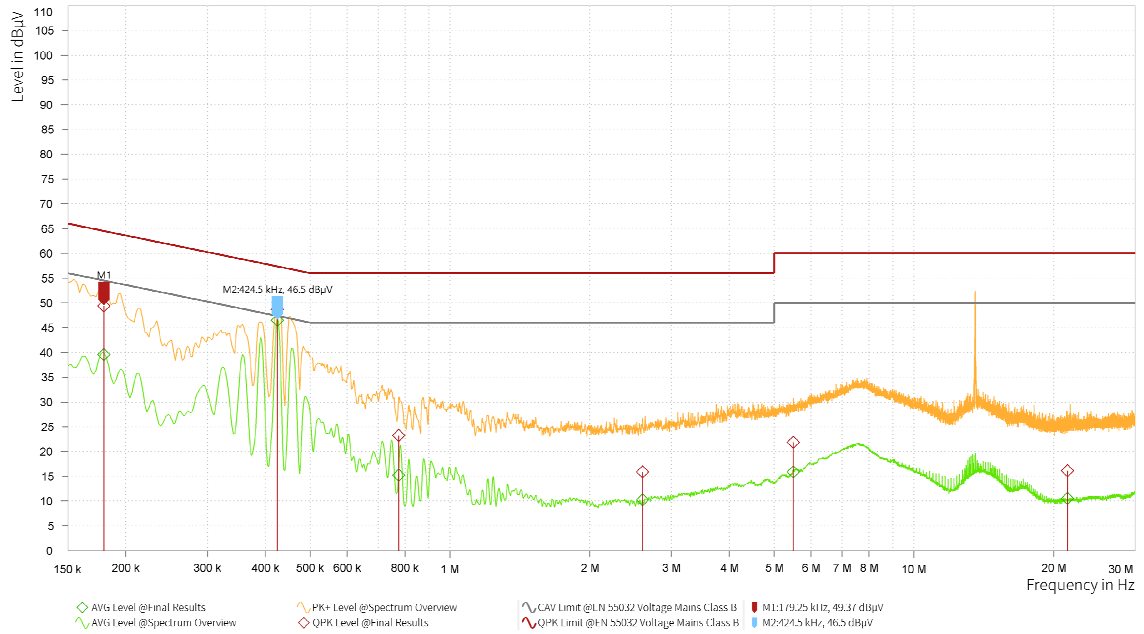
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition was recorded in this report.



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]
0.211	45.07	63.18	18.11	35.07	53.18	18.11	21.01	L1	9.000	1.000
0.422	48.45	57.40	8.96	45.87	47.40	1.53	20.85	L1	9.000	1.000
1.262	25.19	56.00	30.81	15.58	46.00	30.42	19.98	L1	9.000	1.000
2.387	24.63	56.00	31.37	18.09	46.00	27.91	19.56	L1	9.000	1.000
4.180	24.60	56.00	31.40	18.51	46.00	27.49	19.42	L1	9.000	1.000
22.637	21.79	60.00	38.21	15.77	50.00	34.23	19.72	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]
0.179	49.37	64.52	15.15	39.57	54.52	14.95	21.04	N	9.000	1.000
0.425	48.65	57.36	8.71	46.50	47.36	0.86	20.86	N	9.000	1.000
0.776	23.26	56.00	32.74	15.24	46.00	30.76	20.36	N	9.000	1.000
2.600	15.87	56.00	40.13	10.26	46.00	35.74	19.54	N	9.000	1.000
5.498	21.85	60.00	38.15	15.89	50.00	34.11	19.41	N	9.000	1.000
21.424	16.11	60.00	43.89	10.53	50.00	39.47	19.73	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz