

ANNEX A: Test Result

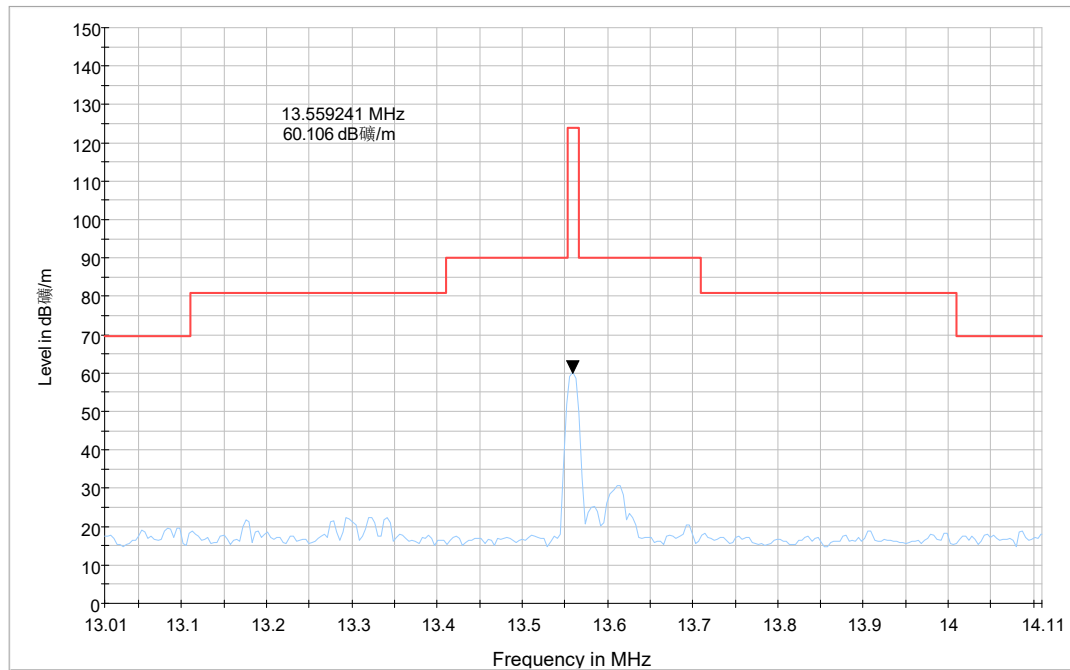
1. Radiates Emission

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

In-band



Radiates Emission from 13.01MHz to 14.41MHz

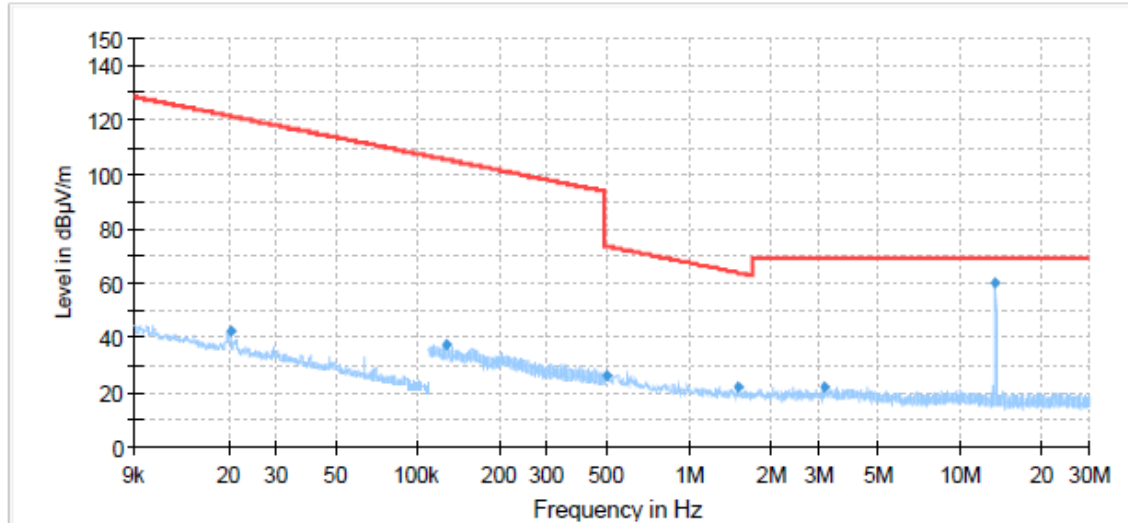
Note: This graph displays the maximum values of horizontal and vertical by software

Out-of-band

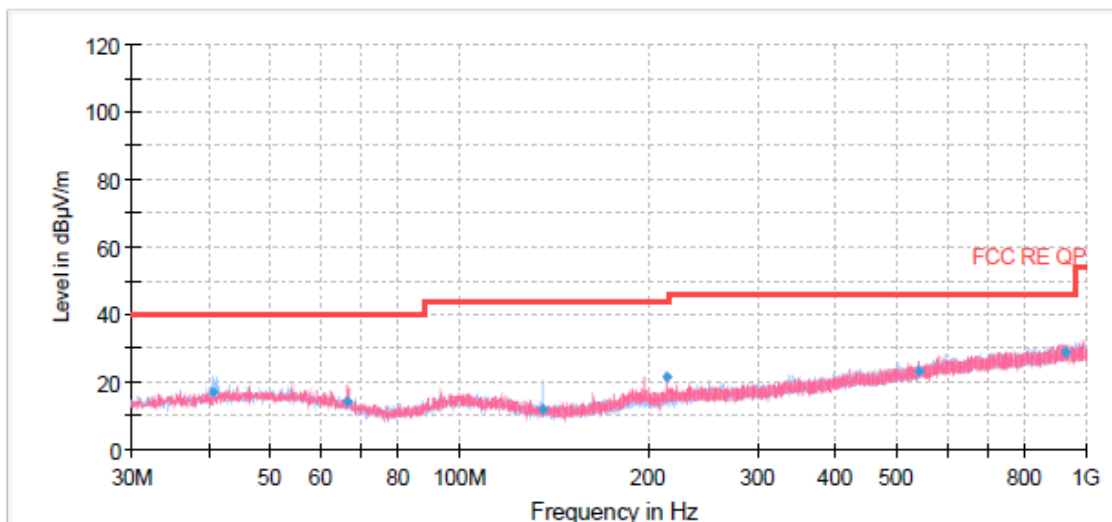
The test is in transmitting all mode, NFC-A was selected as the worst condition. The test data of the worst-case condition was recorded in this report.

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)
40.58	16.73	40.00	23.27	125.0	H	44.00	19
66.41	14.08	40.00	25.92	125.0	V	249.00	17
136.06	11.83	43.50	31.67	225.0	H	71.00	15
214.49	21.78	43.50	21.72	210.0	V	58.00	18
540.60	23.17	46.00	22.83	100.0	V	179.00	26
926.46	28.97	46.00	17.03	175.0	V	280.00	31

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

2. Margin = Limit – Quasi-Peak

2. Conducted Emission

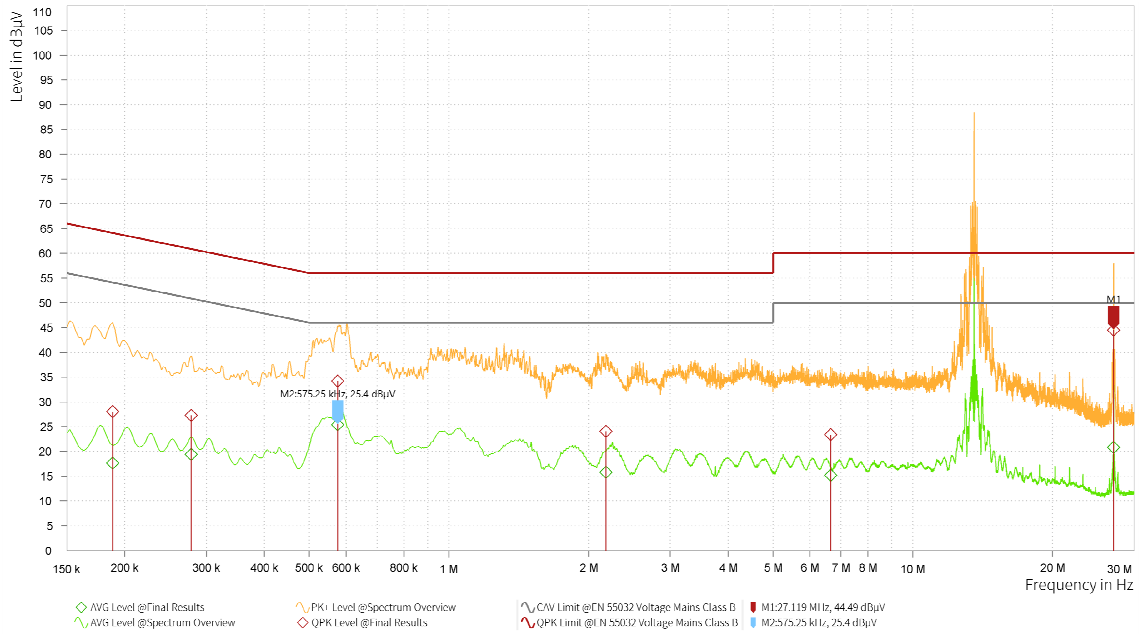
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition was recorded in this report.



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]
0.182	41.19	64.42	23.23	24.94	54.42	29.47	21.03	L1	9.000	1.000
0.584	36.09	56.00	19.91	24.60	46.00	21.40	20.69	L1	9.000	1.000
1.779	25.63	56.00	30.37	15.54	46.00	30.46	19.72	L1	9.000	1.000
4.196	21.71	56.00	34.29	12.41	46.00	33.59	19.42	L1	9.000	1.000
7.406	25.60	60.00	34.40	15.85	50.00	34.15	19.41	L1	9.000	1.000
27.119	37.49	60.00	22.51	16.91	50.00	33.09	19.81	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]
0.188	28.01	64.11	36.10	17.64	54.11	36.47	21.03	N	9.000	1.000
0.278	27.26	60.87	33.61	19.41	50.87	31.46	20.96	N	9.000	1.000
0.575	34.20	56.00	21.80	25.40	46.00	20.60	20.71	N	9.000	1.000
2.180	24.03	56.00	31.97	15.80	46.00	30.20	19.61	N	9.000	1.000
6.655	23.41	60.00	36.59	15.17	50.00	34.83	19.41	N	9.000	1.000
27.119	44.49	60.00	15.51	20.83	50.00	29.17	19.88	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz