

ANNEX A: Test Result

1. Unwanted Emission

1.1. NearLink SLE

Result of RE

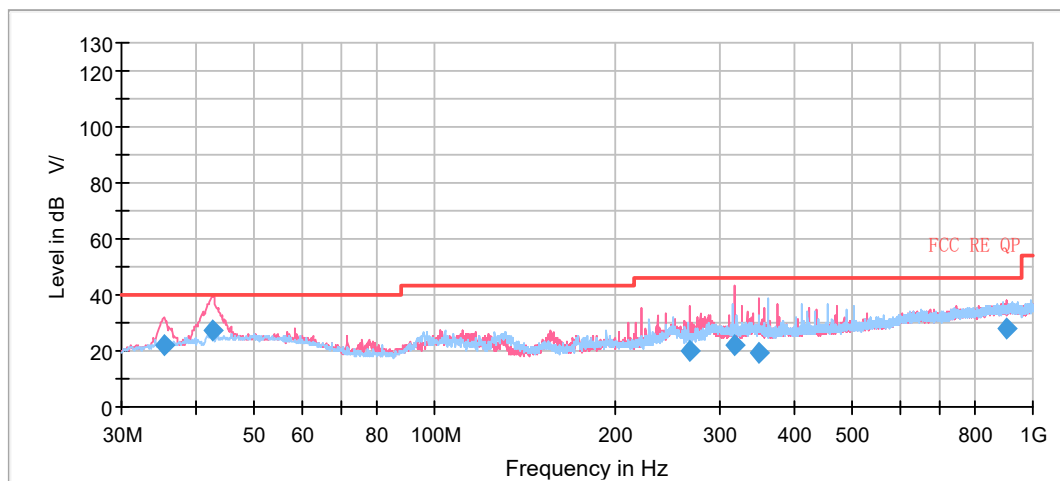
Remark:

1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)
2. Margin = Limit – Quasi-Peak
3. A symbol (dB μ V/m) in the test plot below means (dB μ V/m)
4. The following graphs display the maximum values of horizontal and vertical by software.
5. For below 1GHz

 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

Continuous TX mode:

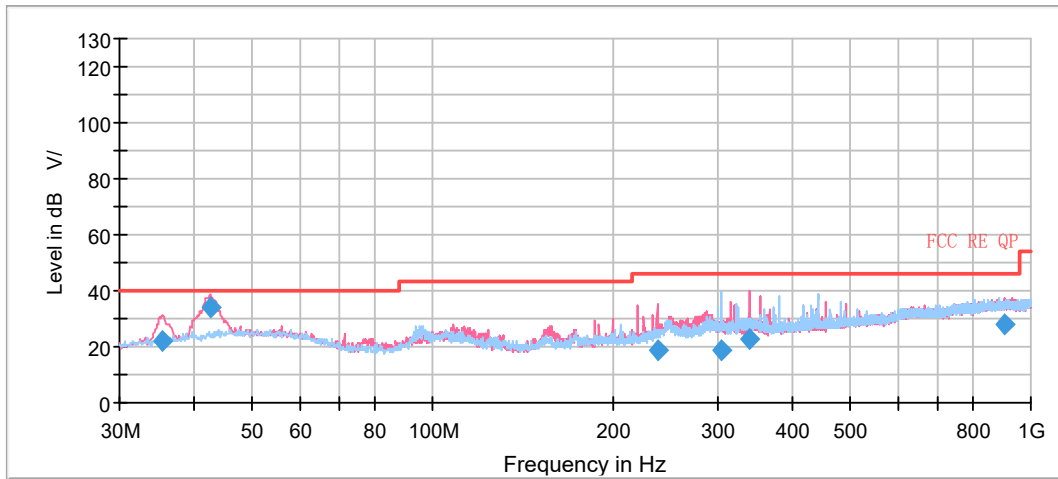
WR344



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
35.456250	21.93	40.00	18.07	112.0	V	281.0	18.4
42.488750	27.58	40.00	12.42	105.0	V	281.0	19.8
267.528750	19.97	46.00	26.03	107.0	V	245.0	20.2
318.332500	21.71	46.00	24.29	115.0	V	153.0	21.5
348.281250	19.10	46.00	26.90	120.0	V	160.0	22.5
902.151250	28.15	46.00	17.85	195.0	V	38.0	31.0

WR346



Radiates Emission from 30MHz to 1GHz

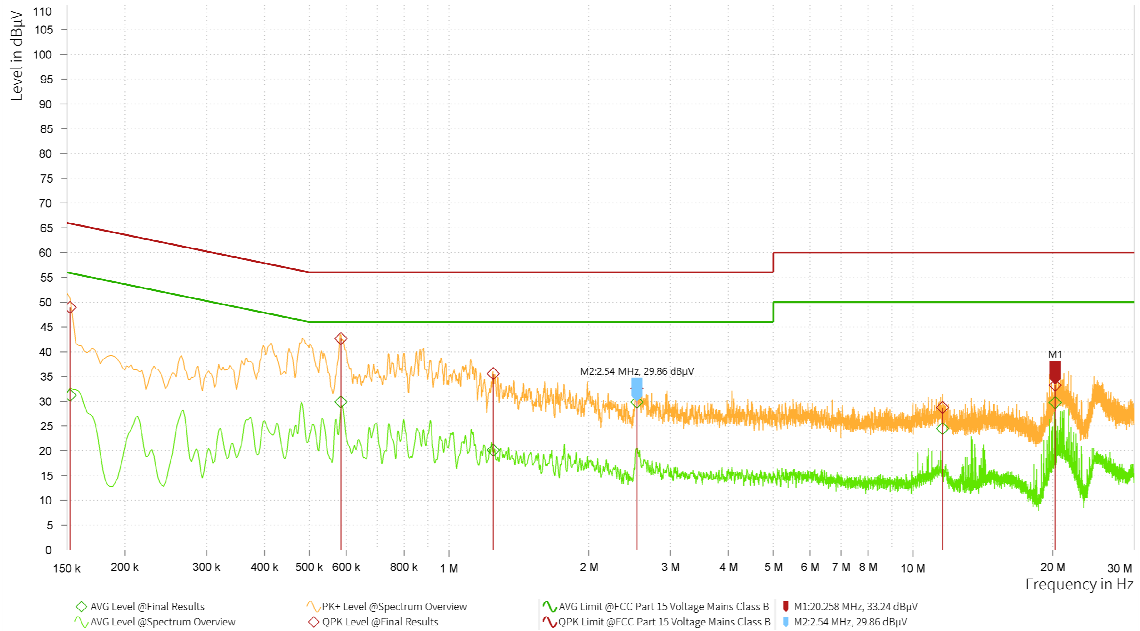
Frequency (MHz)	Quasi-Peak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
35.456250	22.00	40.00	18.00	112.0	V	21.0	18.4
42.610000	33.69	40.00	6.31	105.0	V	34.0	19.9
237.580000	18.99	46.00	27.01	117.0	V	205.0	20.0
303.176250	18.41	46.00	27.59	205.0	H	139.0	21.2
339.187500	22.77	46.00	23.23	113.0	V	122.0	22.4
902.636250	28.12	46.00	17.88	215.0	V	89.0	31.0

2. Conducted Emission

2.1. NearLink SLE

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

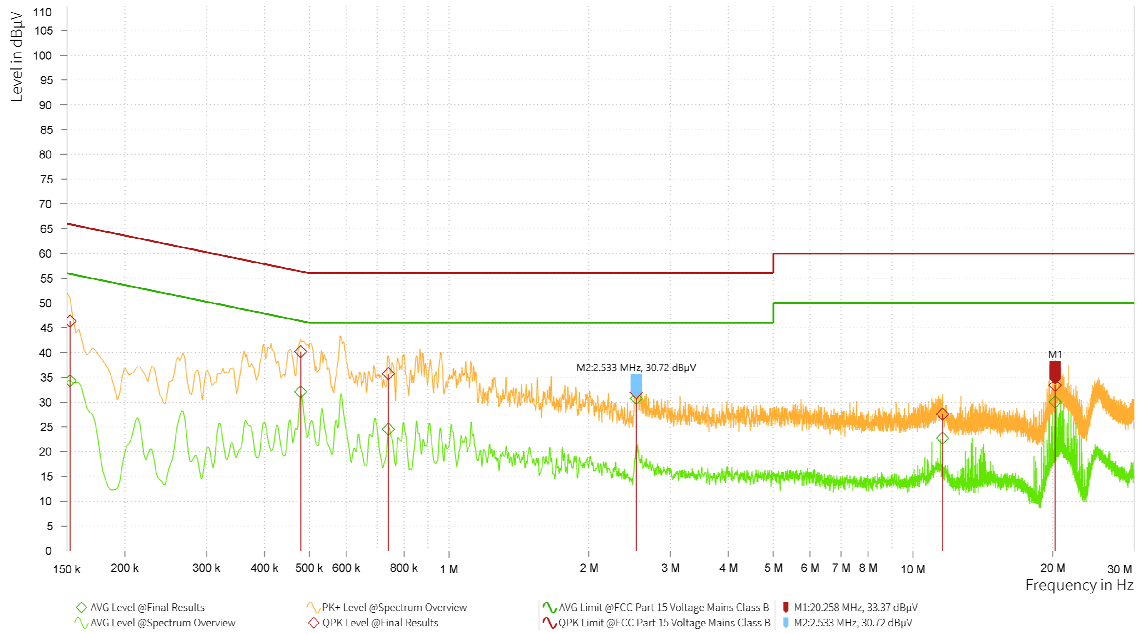
WR344



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]
0.152	48.97	65.88	16.91	31.20	55.88	24.68	20.90	L1	9.000	1.000
0.584	42.65	56.00	13.35	29.88	46.00	16.12	20.69	L1	9.000	1.000
1.246	35.56	56.00	20.44	20.13	46.00	25.87	19.99	L1	9.000	1.000
2.540	32.57	56.00	23.43	29.86	46.00	16.14	19.54	L1	9.000	1.000
11.589	28.76	60.00	31.24	24.47	50.00	25.53	19.42	L1	9.000	1.000
20.258	33.24	60.00	26.76	29.73	50.00	20.27	19.67	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz

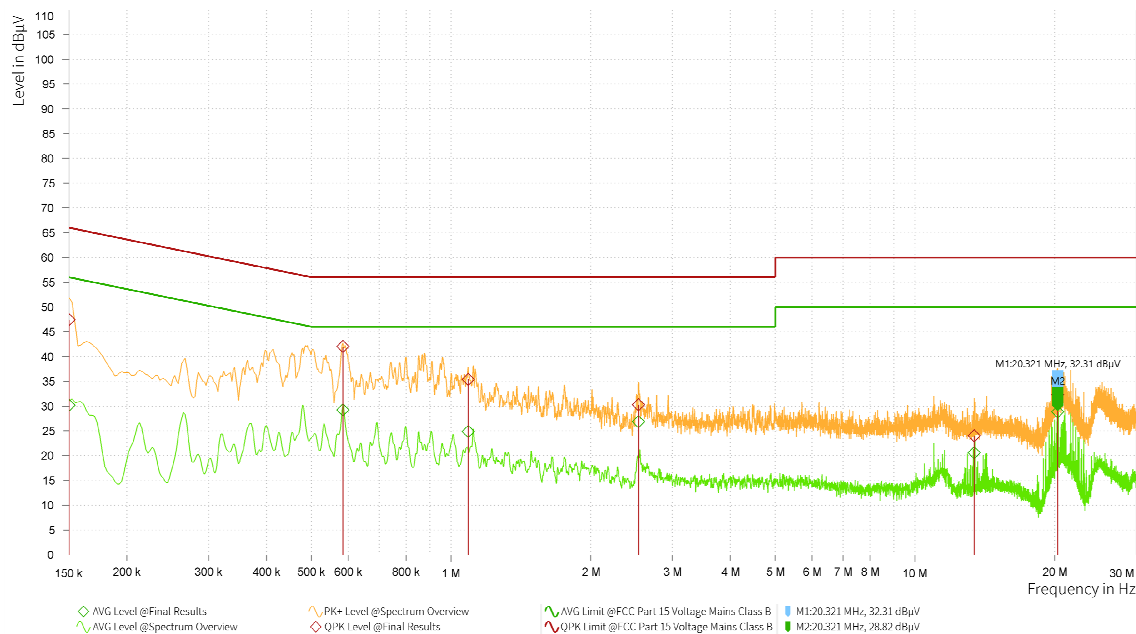


Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	AVG Level [dBµV]	AVG Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.152	46.34	65.88	19.54	34.28	55.88	21.60	20.91	N	9.000	1.000
0.479	40.17	56.37	16.20	32.08	46.37	14.29	20.81	N	9.000	1.000
0.740	35.70	56.00	20.30	24.54	46.00	21.46	20.39	N	9.000	1.000
2.533	31.94	56.00	24.06	30.72	46.00	15.28	19.55	N	9.000	1.000
11.587	27.58	60.00	32.42	22.74	50.00	27.26	19.44	N	9.000	1.000
20.258	33.37	60.00	26.63	30.03	50.00	19.97	19.72	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

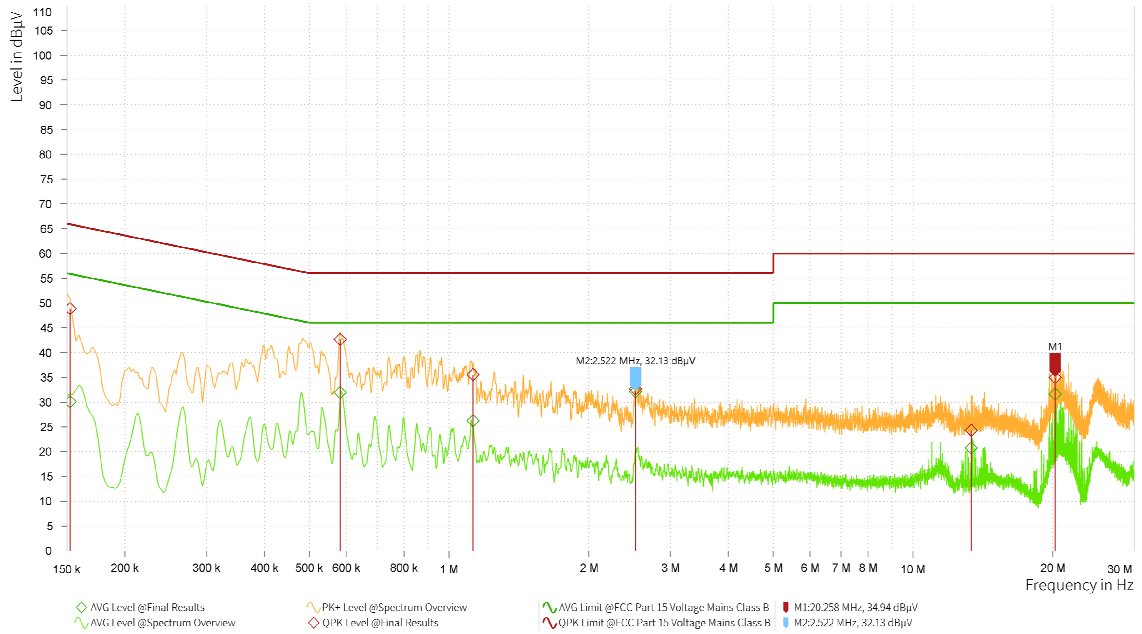
WR346



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]
0.150	47.42	66.00	18.58	30.16	56.00	25.84	20.90	L1	9.000	1.000
0.584	42.05	56.00	13.95	29.23	46.00	16.77	20.69	L1	9.000	1.000
1.088	35.37	56.00	20.63	24.84	46.00	21.16	20.09	L1	9.000	1.000
2.535	30.24	56.00	25.76	26.84	46.00	19.16	19.54	L1	9.000	1.000
13.418	24.02	60.00	35.98	20.60	50.00	29.40	19.46	L1	9.000	1.000
20.321	32.31	60.00	27.69	28.82	50.00	21.18	19.67	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]
0.152	48.86	65.88	17.02	30.09	55.88	25.79	20.91	N	9.000	1.000
0.582	42.63	56.00	13.37	31.90	46.00	14.10	20.70	N	9.000	1.000
1.127	35.53	56.00	20.47	26.24	46.00	19.76	20.08	N	9.000	1.000
2.522	32.64	56.00	23.36	32.13	46.00	13.87	19.55	N	9.000	1.000
13.360	24.27	60.00	35.73	20.75	50.00	29.25	19.49	N	9.000	1.000
20.258	34.94	60.00	25.06	31.60	50.00	18.40	19.72	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz