

12.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. All support equipment received AC120V/60Hz power from a LISN, if any.
5. The EUT received charging voltage by adapter which received 120V/60Hz power by a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 Ohm load; the second scan had Line 1 connected to a 50 Ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

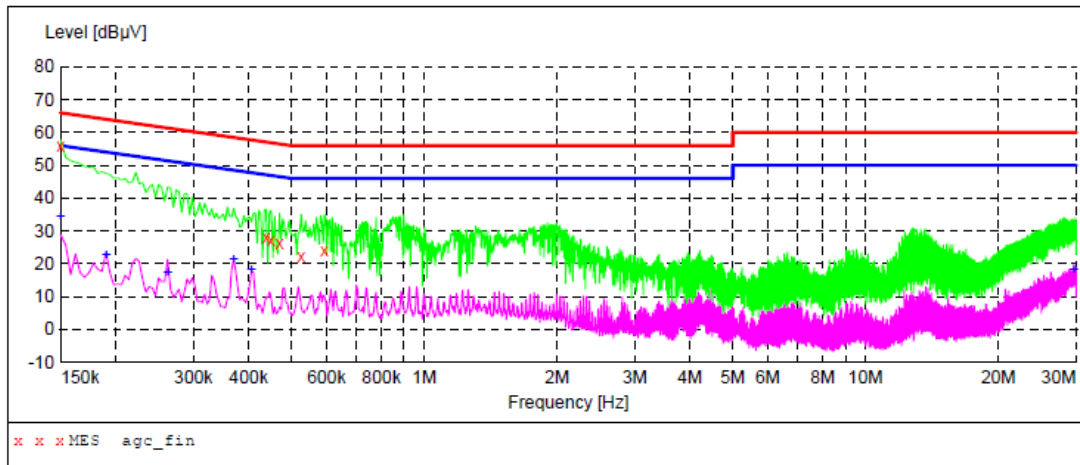
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

12.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less – 2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. All adapters are tested, all antennas are test, the test results for adapter 1 are recorded in the report.

12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

LINE CONDUCTED EMISSION TEST-L



MEASUREMENT RESULT: "agc_fin"

2022/4/8 8:59

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.150000	56.10	6.9	66	9.9	QP	L1
0.438000	28.10	5.6	57	29.0	QP	L1
0.450000	27.30	5.5	57	29.6	QP	L1
0.470000	26.20	5.5	57	30.3	QP	L1
0.526000	22.20	5.4	56	33.8	QP	L1
0.594000	23.90	5.4	56	32.1	QP	L1

MEASUREMENT RESULT: "agc_fin2"

2022/4/8 8:59

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.150000	34.50	6.9	56	21.5	AV	L1
0.190000	22.60	6.6	54	31.4	AV	L1
0.262000	17.40	6.2	51	34.0	AV	L1
0.370000	21.50	5.8	49	27.0	AV	L1
0.406000	18.40	5.7	48	29.3	AV	L1
29.678000	18.40	9.6	50	31.6	AV	L1

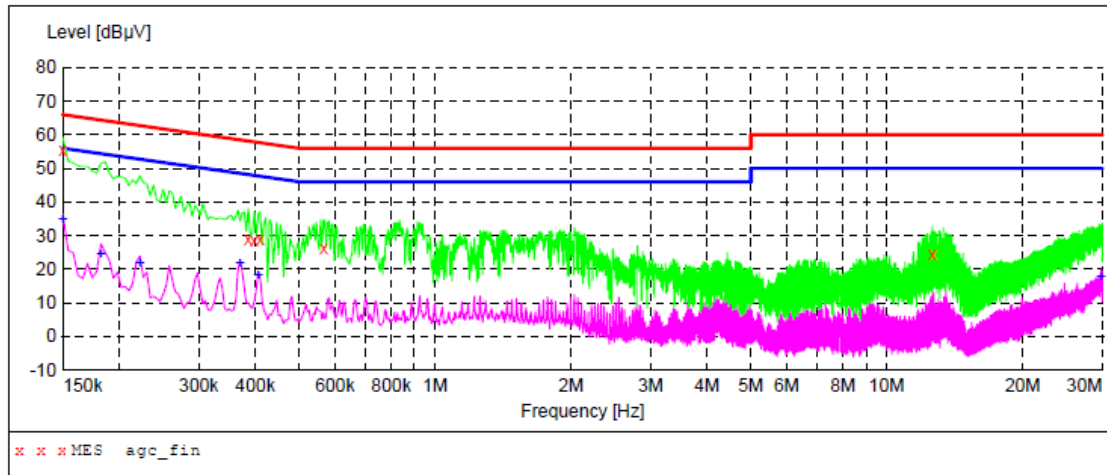
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LINE CONDUCTED EMISSION TEST-N



MEASUREMENT RESULT: "agc_fin"

2022/4/8 9:02

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.150000	55.40	6.9	66	10.6	QP	N
0.386000	28.90	5.7	58	29.2	QP	N
0.398000	28.60	5.7	58	29.3	QP	N
0.410000	29.10	5.7	58	28.5	QP	N
0.566000	26.20	5.4	56	29.8	QP	N
12.606000	24.70	7.7	60	35.3	QP	N

MEASUREMENT RESULT: "agc_fin2"

2022/4/8 9:02

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.150000	35.00	6.9	56	21.0	AV	N
0.182000	24.40	6.7	54	30.0	AV	N
0.222000	21.70	6.4	53	31.0	AV	N
0.370000	21.60	5.8	49	26.9	AV	N
0.406000	18.10	5.7	48	29.6	AV	N
29.822000	17.90	9.6	50	32.1	AV	N

RESULT: PASS

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APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Refer to the Report No.: AGC12060220301AP01

APPENDIX B: PHOTOGRAPHS OF EUT

Refer to the Report No.: AGC12060220301AP02

-----END OF REPORT-----

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