

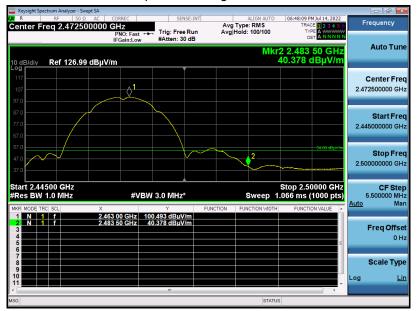
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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS



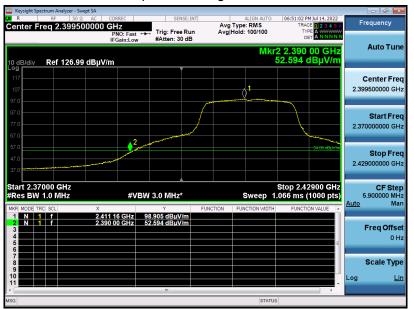
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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement

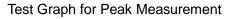


RESULT: PASS



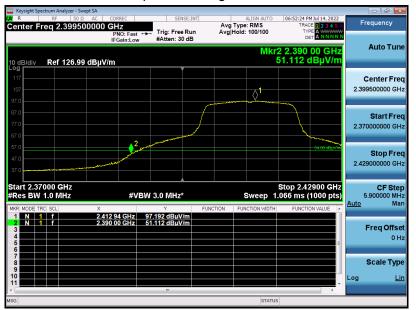
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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHz	Antenna	Vertical





Test Graph for Average Measurement



RESULT: PASS



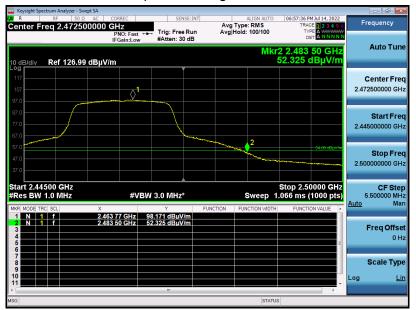
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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS



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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



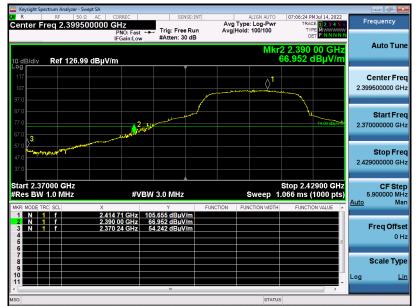
RESULT: PASS



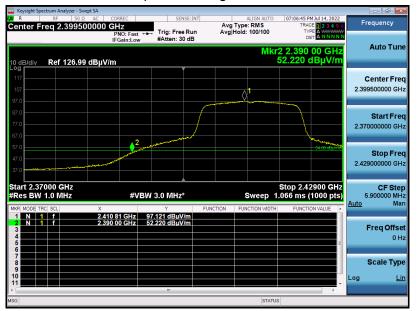
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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20 with data rate 6.5 2412MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



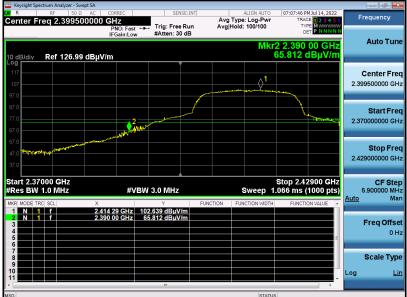
RESULT: PASS



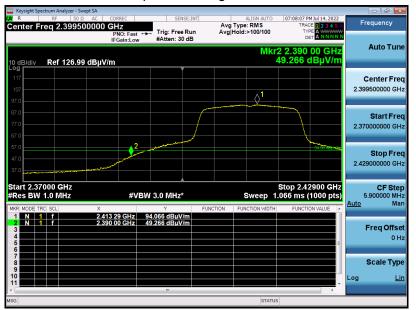
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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20 with data rate 6.5 2412MHz	Antenna	Vertical





Test Graph for Average Measurement



RESULT: PASS



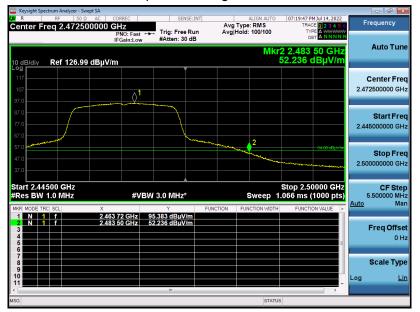
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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20 with data rate 6.5 2462MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS



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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20 with data rate 6.5 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS



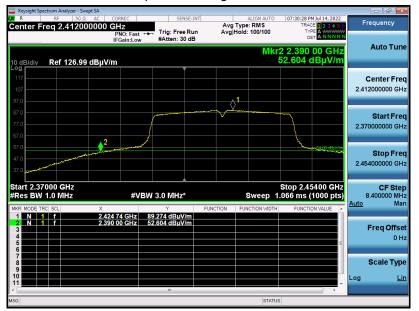
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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 with data rate 13.5 2422MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS



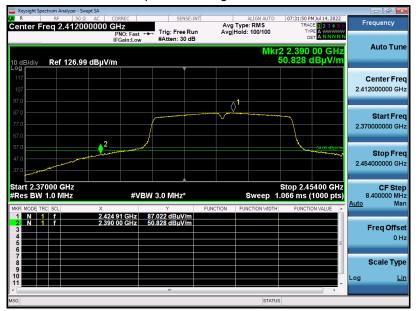
Report No.: AGC01689220609FE05 Page 73 of 80

EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 with data rate 13.5 2422MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS



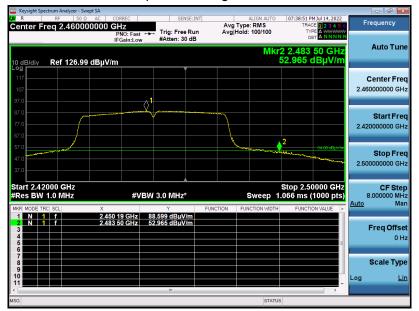
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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 with data rate 13.5 2452MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS



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EUT	AI POS Terminal	Model Name	P8
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 with data rate 13.5 2452MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS



12. LINE CONDUCTED EMISSION TEST

12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

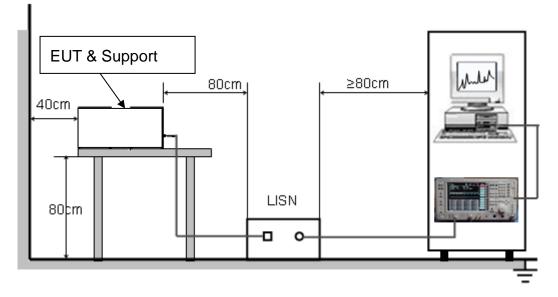
Frequency	Maximum RF Line Voltage			
Frequency	Q.P (dBµV)	Average (dBµV)		
150kHz~500kHz	66-56	56-46		
500kHz~5MHz	56	46		
5MHz~30MHz	60	50		

Note:

1. The lower limit shall apply at the transition frequency.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST





12.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 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 DC 5V power from adapter which received AC120V/60Hz power from 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.

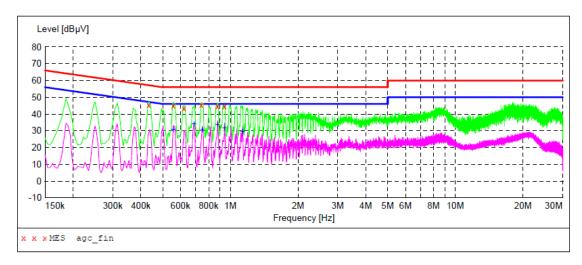
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

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.
- 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. The test data of the worst case was reported on the Summary Data page.



12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST



Line Conducted Emission Test Line 1-L

MEASUREMENT RESULT: "agc fin"

2022/7/11 23:33 Level Transd Limit Margin Line Frequency Detector dBuV MHz dBµV dB dB 0.434000 45.50 5.6 57 11.7 QP T.1 0.558000 45.10 5.4 56 10.9 L1QP 0.622000 43.30 5.4 56 12.7 QP L10.742000 45.40 5.4 56 10.6 L1QP 5.4 56 11.4 0.878000 44.60 QP L10.942000 44.80 5.4 56 11.2 L1QP

MEASUREMENT RESULT: "agc fin2"

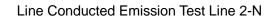
Line
L1

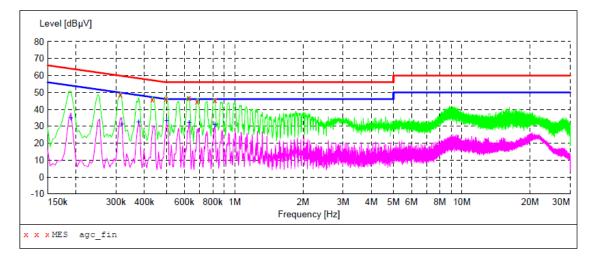
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MEASUREMENT RESULT: "agc fin"

2022/7/11 23:11 Frequency Level Transd Limit Margin Detector Line MHz dBµV dB dBuV dB 0.314000 48.60 6.0 60 11.3 QP Ν 0.434000 45.80 5.6 57 11.4 QP Ν 0.498000 46.30 5.4 56 9.7 Ν QP 0.630000 46.80 5.4 56 9.2 QP Ν 0.682000 44.60 5.4 56 11.4 QP Ν 56 0.818000 45.50 5.4 10.5 QP Ν

MEASUREMENT RESULT: "agc fin2"

2022/7/11 23	3:11					
Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.190000	35.10	6.6	54	18.9	AV	N
0.318000	31.30	6.0	50	18.5	AV	Ν
0.378000	32.70	5.8	48	15.6	VA	Ν
0.502000	33.20	5.4	46	12.8	VA	N
0.630000	32.10	5.4	46	13.9	VA	Ν
0.818000	31.00	5.4	46	15.0	AV	Ν

RESULT: PASS

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 E-mail: agc@agccert.com
 Web: http://www.agccert.com/



APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Refer to the Report No.: AGC01689220609AP01

APPENDIX B: PHOTOGRAPHS OF EUT

Refer to the Report No.: AGC01689220609AP02

----END OF REPORT----



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