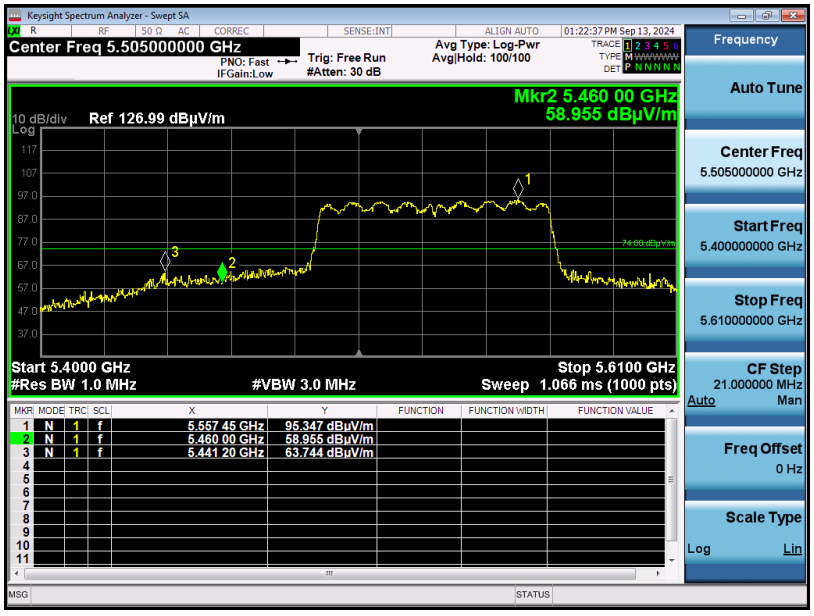
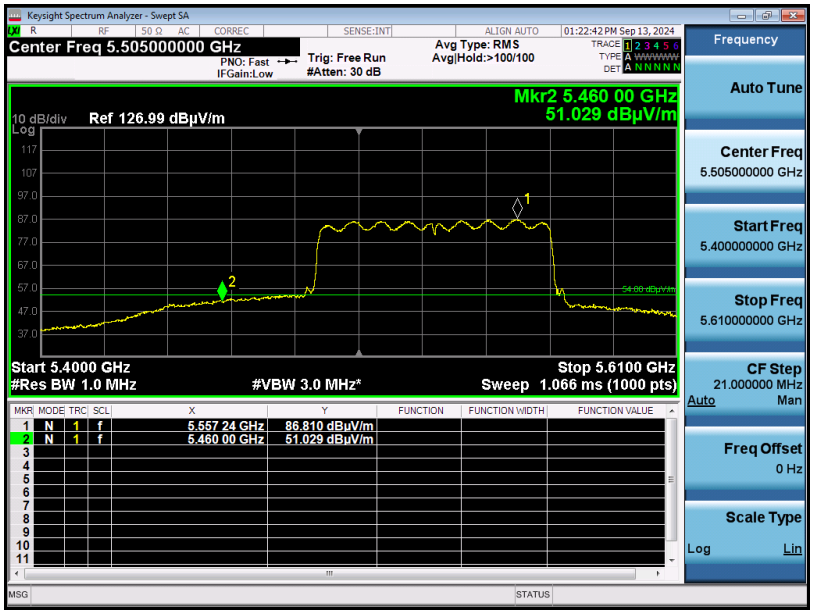
Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	Model Name	P701
Temperature	23.1℃	Relative Humidity	58.2%
Pressure	960hPa	Test Voltage	AC 120V, 60Hz by Adapter 2
Test Mode	802.11ac80_5530MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



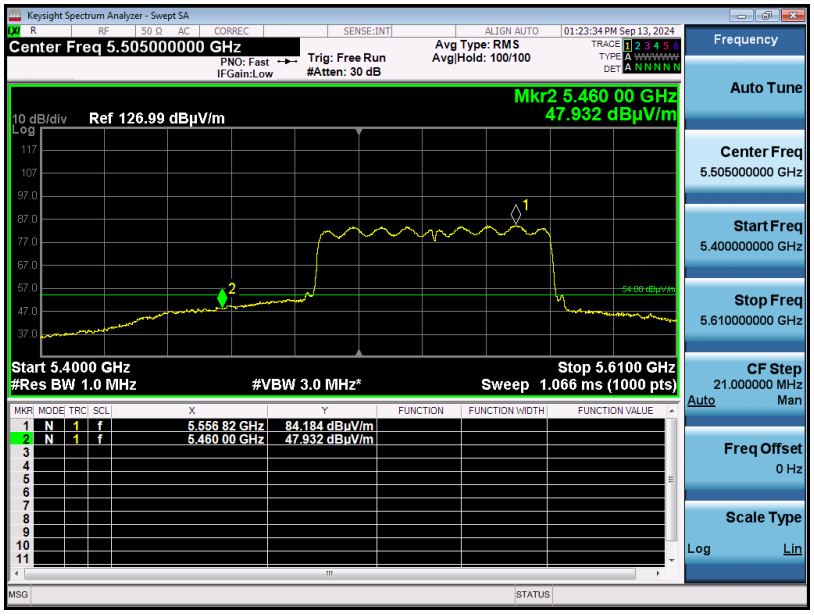
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	Model Name	P701
Temperature	23.1℃	Relative Humidity	58.2%
Pressure	960hPa	Test Voltage	AC 120V, 60Hz by Adapter 2
Test Mode	802.11ac80_5530MHz	Antenna	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement

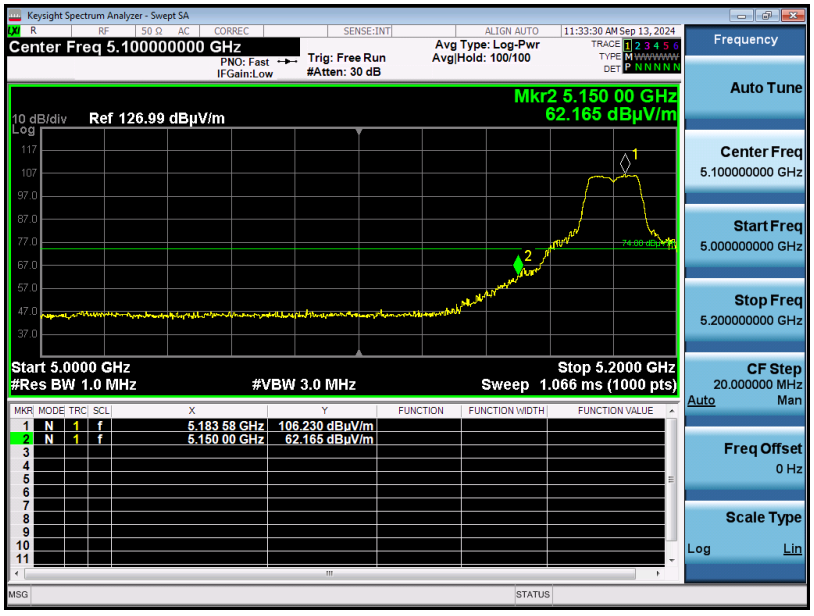


Result: Pass

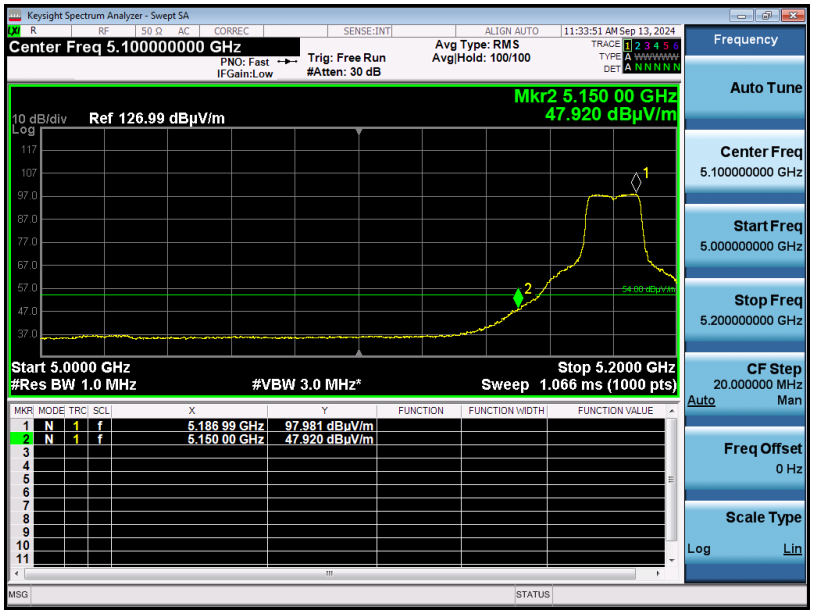
Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11a_5180MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



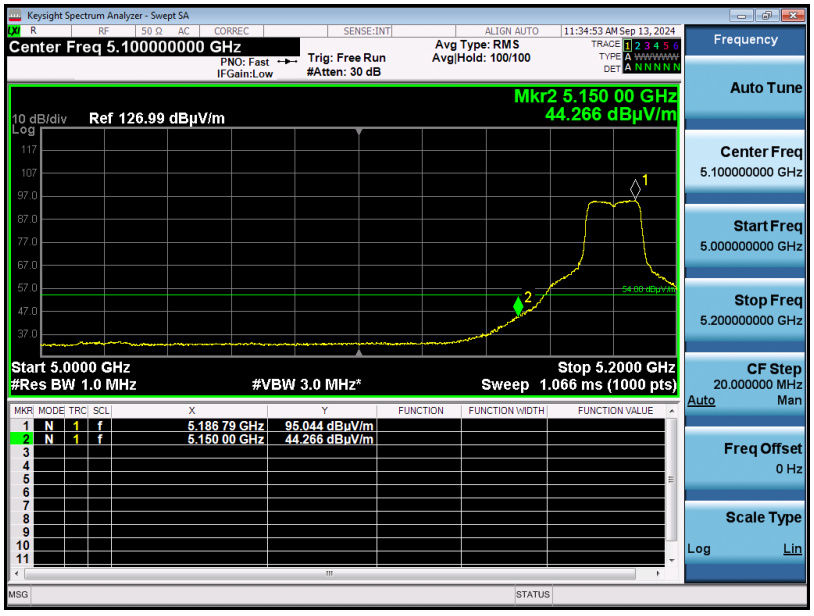
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11a_5180MHz	**Antenna**	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement



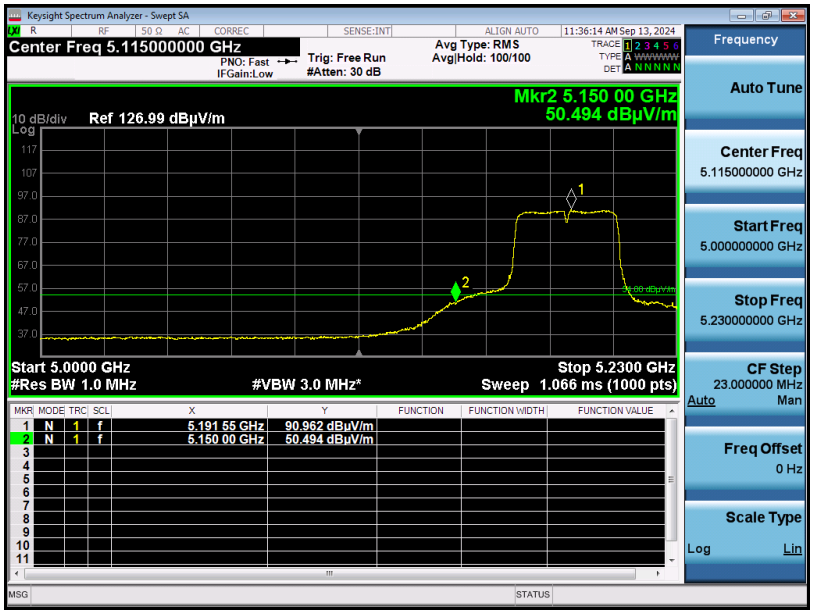
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11n40_5190MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement



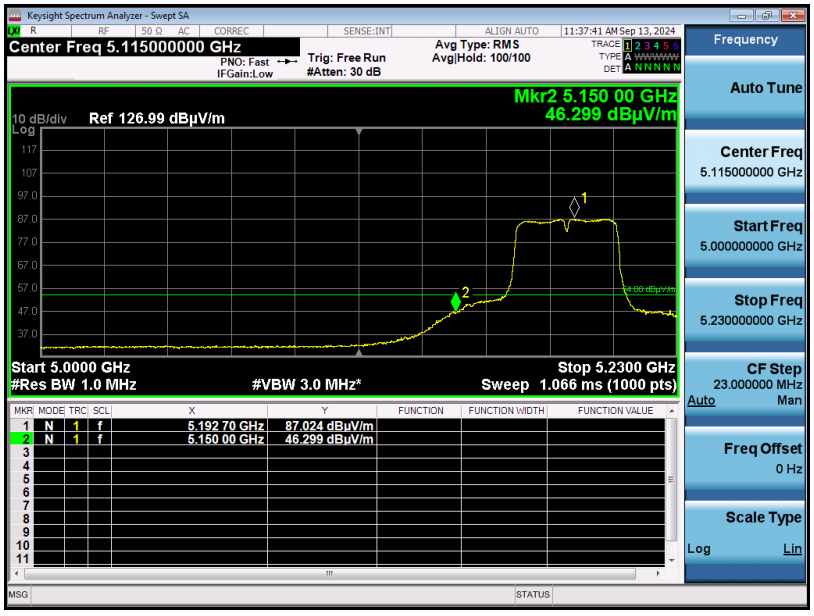
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	Model Name	P711
Temperature	23.1℃	Relative Humidity	58.2%
Pressure	960hPa	Test Voltage	AC 120V, 60Hz by Adapter 1
Test Mode	802.11n40_5190MHz	Antenna	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement



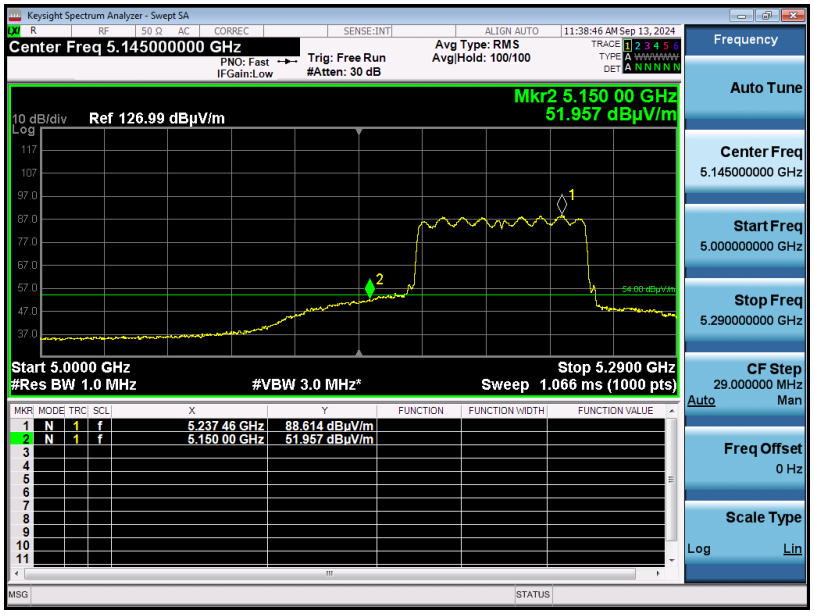
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11ac80_5210MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement



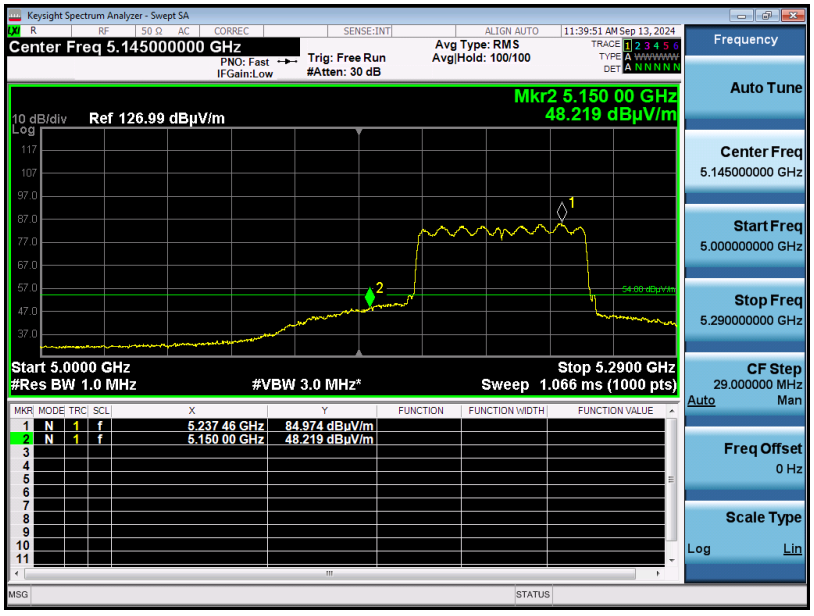
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11ac80_5210MHz	**Antenna**	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement



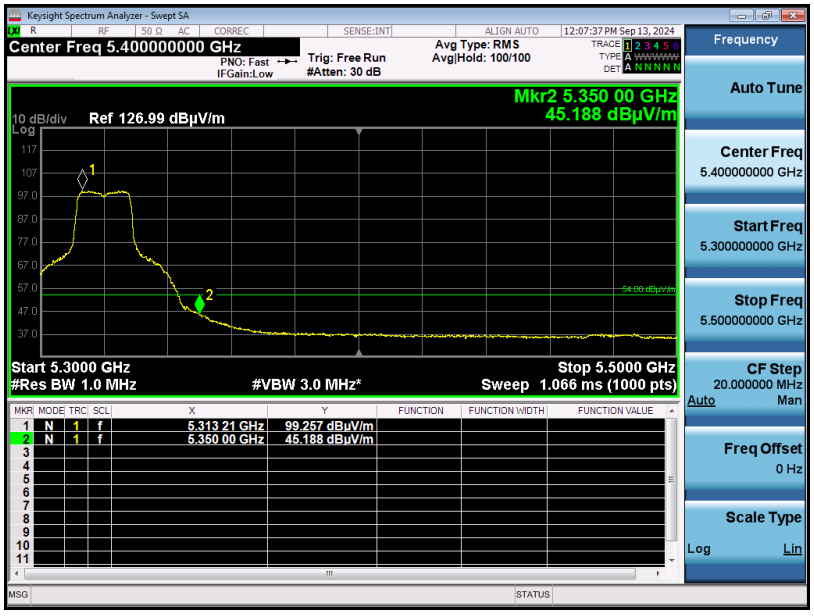
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	Model Name	P711
Temperature	23.1℃	Relative Humidity	58.2%
Pressure	960hPa	Test Voltage	AC 120V, 60Hz by Adapter 1
Test Mode	802.11a_5260MHz	Antenna	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement



Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11a_5260MHz	**Antenna**	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement

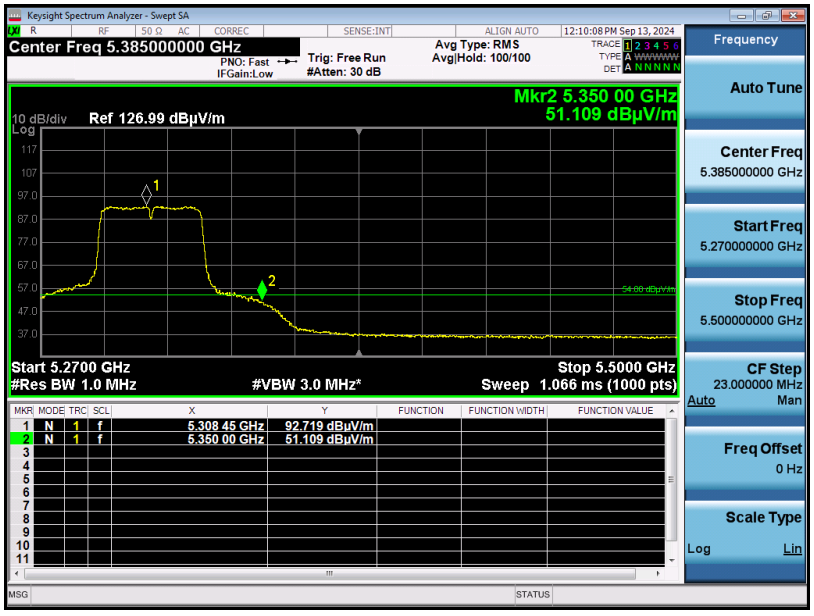
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11n40_5310MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement

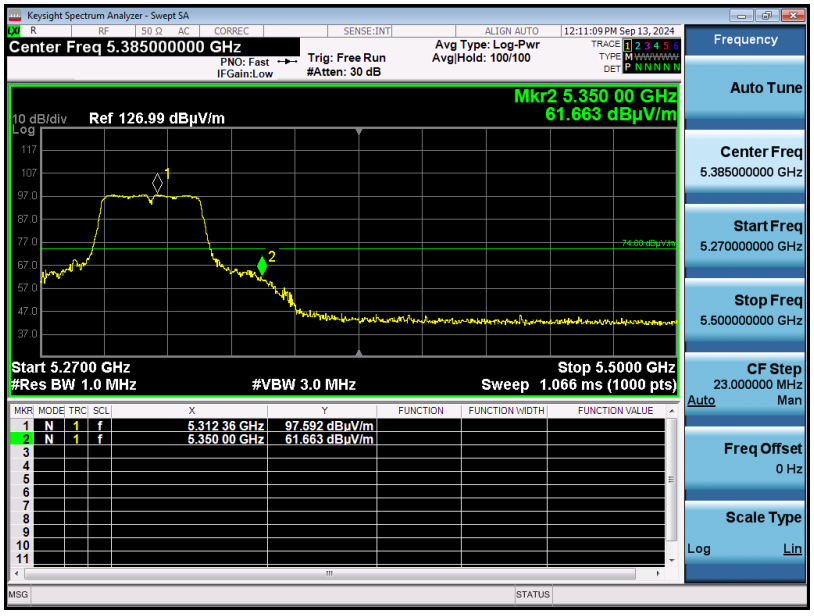


Result: Pass

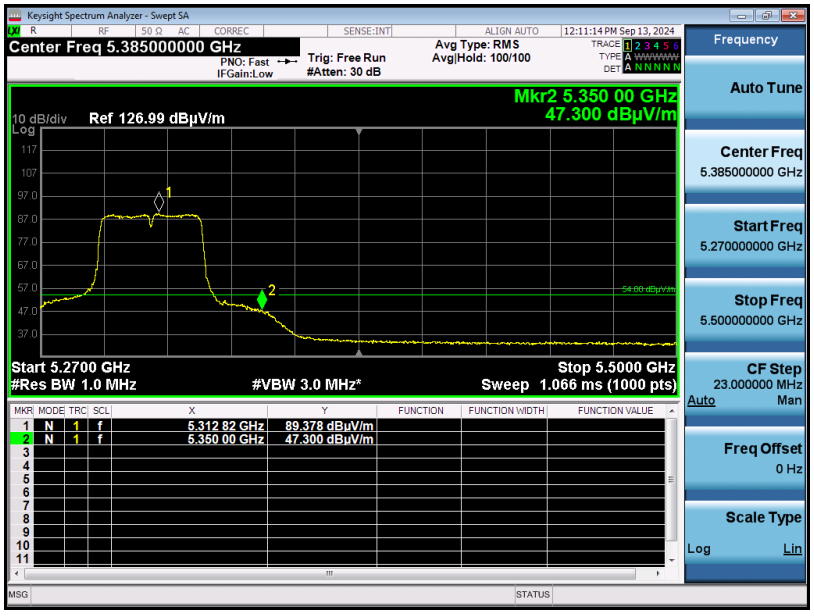
Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11n40_5310MHz	**Antenna**	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



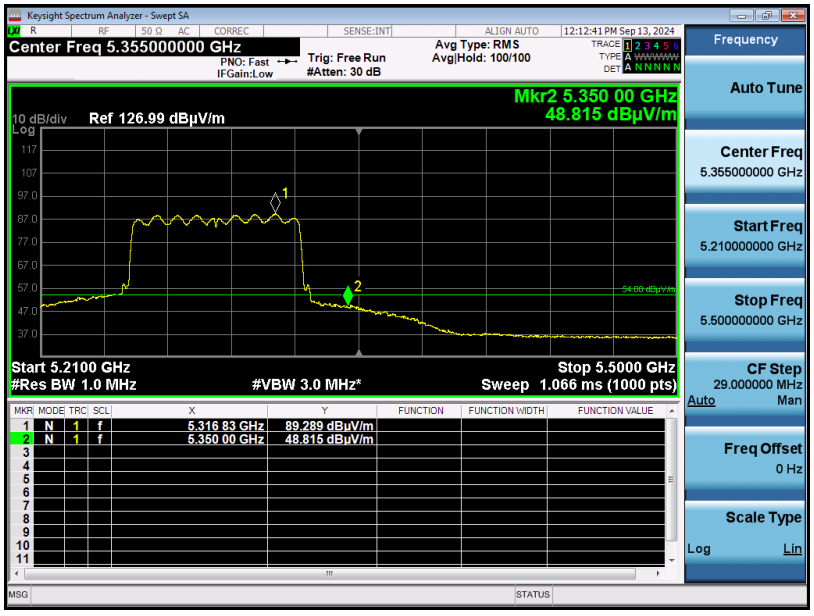
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	Model Name	P711
Temperature	23.1℃	Relative Humidity	58.2%
Pressure	960hPa	Test Voltage	AC 120V, 60Hz by Adapter 1
Test Mode	802.11ac80_5290MHz	Antenna	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement



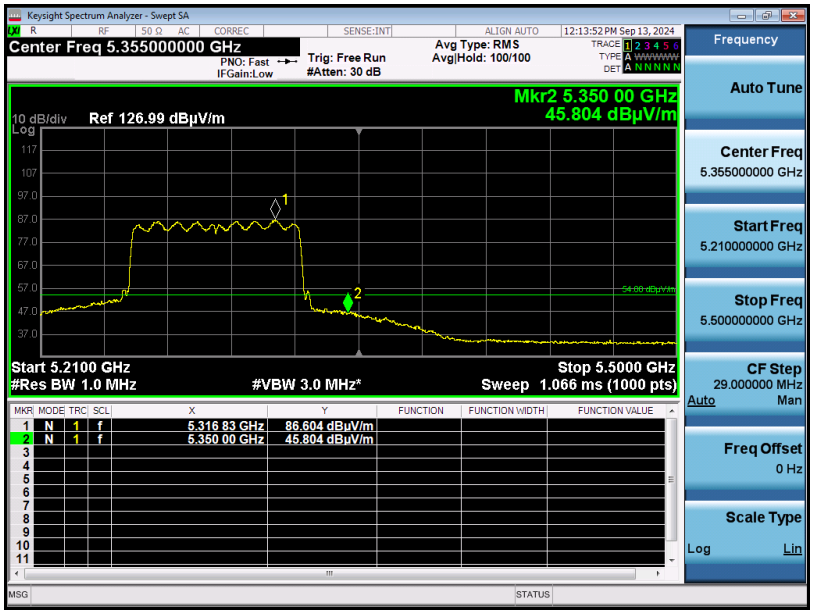
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	Model Name	P711
Temperature	23.1℃	Relative Humidity	58.2%
Pressure	960hPa	Test Voltage	AC 120V, 60Hz by Adapter 1
Test Mode	802.11ac80_5290MHz	Antenna	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement



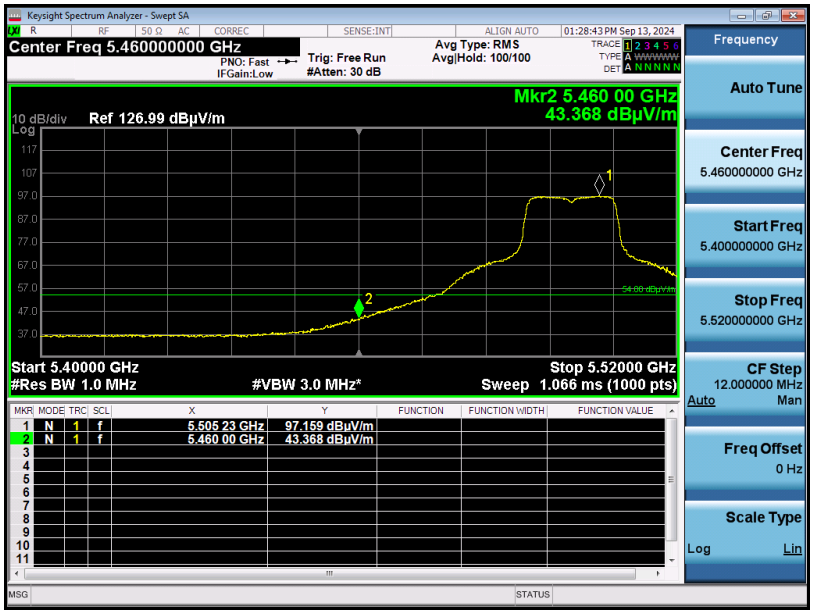
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	Model Name	P711
Temperature	23.1℃	Relative Humidity	58.2%
Pressure	960hPa	Test Voltage	AC 120V, 60Hz by Adapter 1
Test Mode	802.11a_5500MHz	Antenna	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement



Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	Model Name	P711
Temperature	23.1℃	Relative Humidity	58.2%
Pressure	960hPa	Test Voltage	AC 120V, 60Hz by Adapter 1
Test Mode	802.11a_5500MHz	Antenna	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement

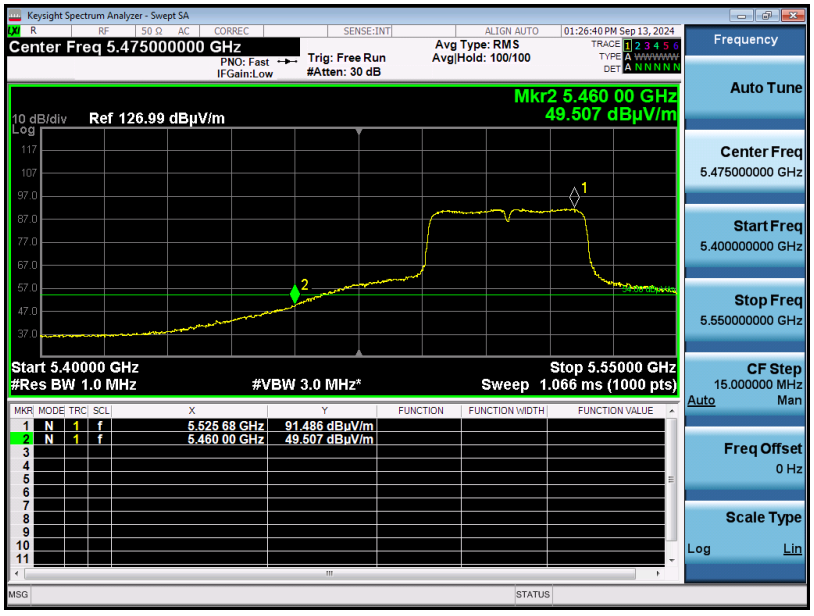
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11n40_5510MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement



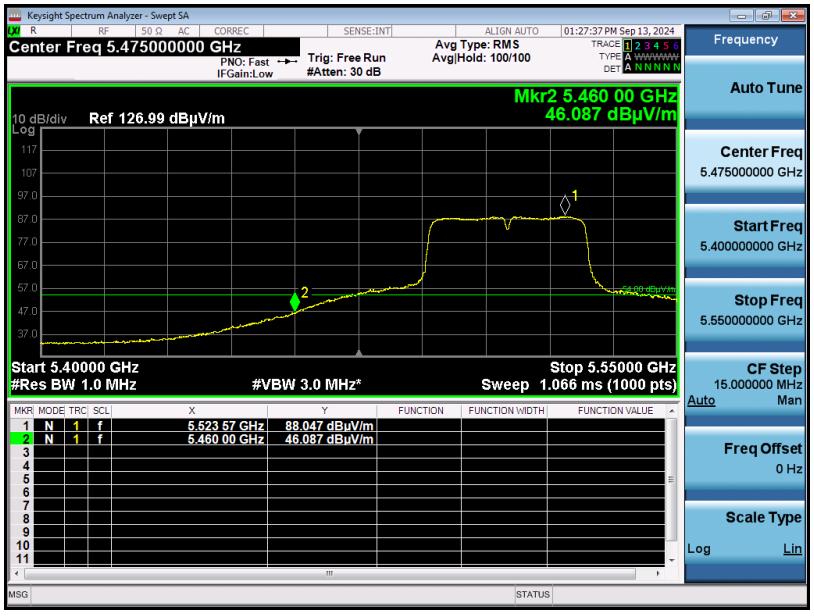
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11n40_5510MHz	**Antenna**	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement



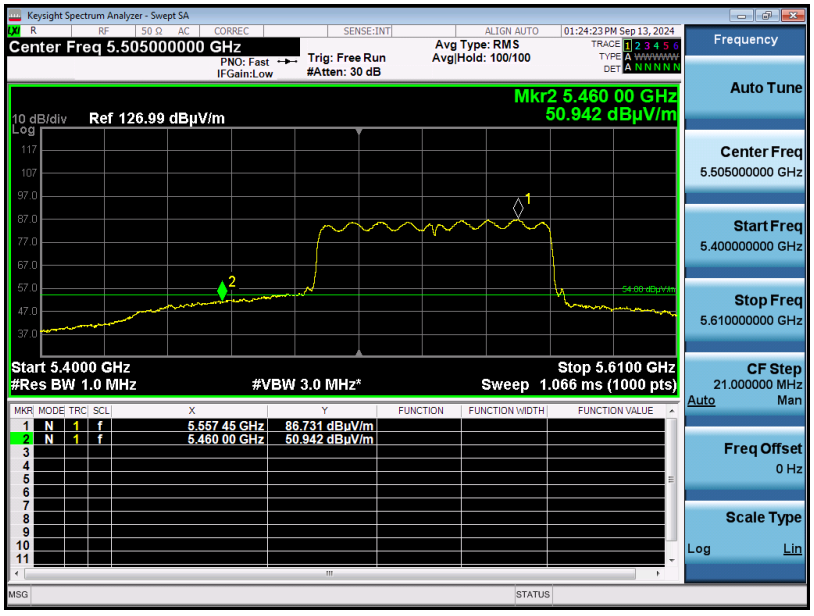
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	**Model Name**	P711
Temperature	23.1℃	**Relative Humidity**	58.2%
Pressure	960hPa	**Test Voltage**	AC 120V, 60Hz by Adapter 1
Test Mode	802.11ac80_5530MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement

Test Graph for Average Measurement



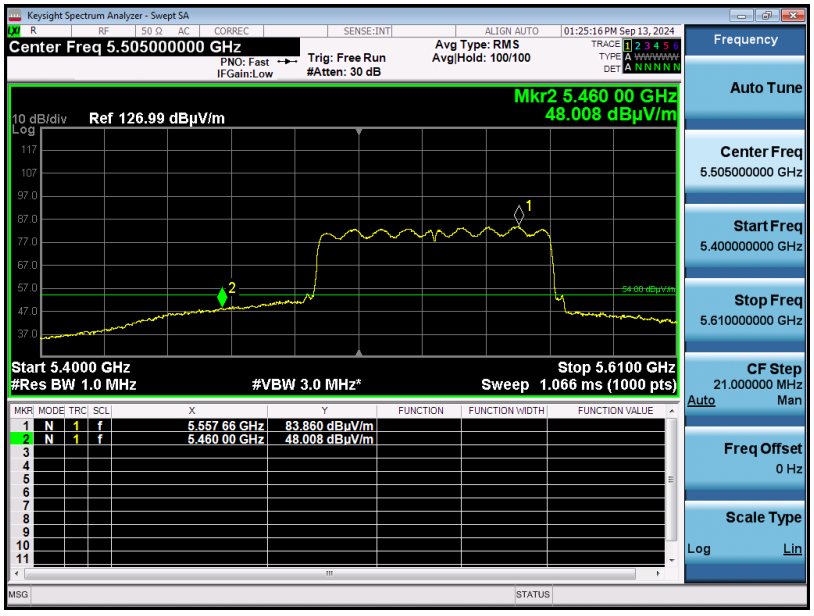
Result: Pass

Test Result for Band edge Emission at Restricted bands

EUT Name	Smart Diagnostic System	Model Name	P711
Temperature	23.1℃	Relative Humidity	58.2%
Pressure	960hPa	Test Voltage	AC 120V, 60Hz by Adapter 1
Test Mode	802.11ac80_5530MHz	Antenna	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement



Result: Pass

Note:

1. The factor had been edited in the “Input Correction” of the Spectrum Analyzer.
2. All test modes had been pre-tested, Refer to Chapter 5 of the report for details.

12. AC Power Line Conducted Emission Test

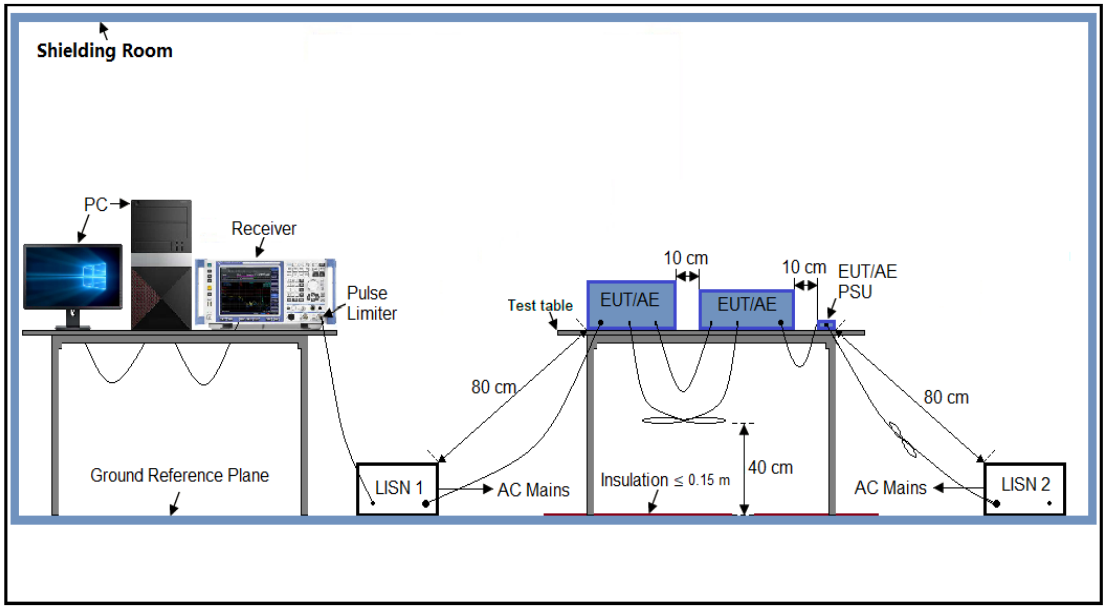
12.1 Measurement limit

Frequency	Maximum RF Line Voltage	
	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 0.50MHz.

12.2 Block Diagram of Line Conducted Emission Test



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/60Hzpower by a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using 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.

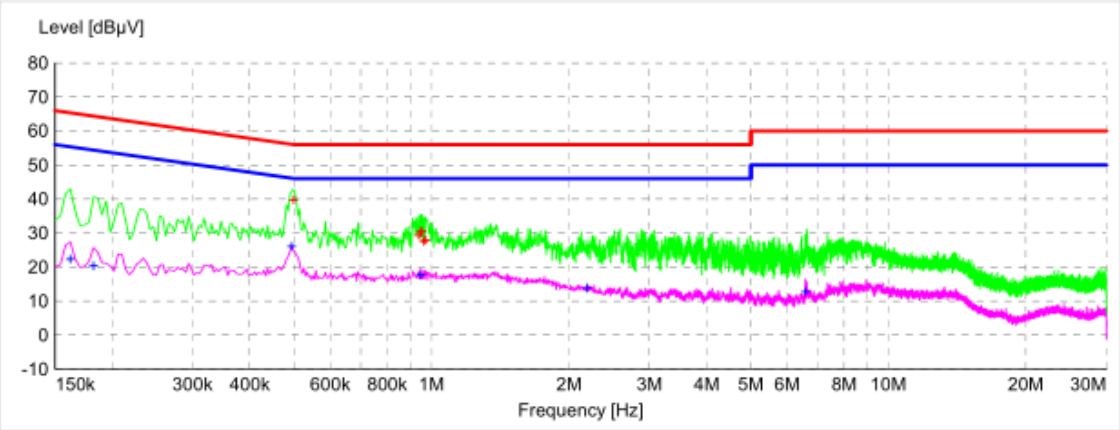
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

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. The test data of the worst case was reported on the Summary Data page.
4. The worst mode is 802.11n20 5180MHz, antenna 1 and antenna 2 work together.

12.5 Test Result of Line Conducted Emission Test

AC Power Line Conducted Emission Test- P01V71			
Test Mode	802.11a 5320MHz with adapter 2	LISN Line	Hot Side



MEASUREMENT RESULT: "agc_fin"

2024/9/9 14:46

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.498000	39.60	6.1	56	16.4	QP	L1
0.938000	29.20	6.2	56	26.8	QP	L1
0.946000	30.30	6.2	56	25.7	QP	L1
0.954000	30.40	6.2	56	25.6	QP	L1
0.962000	27.50	6.2	56	28.5	QP	L1
0.970000	27.90	6.2	56	28.1	QP	L1

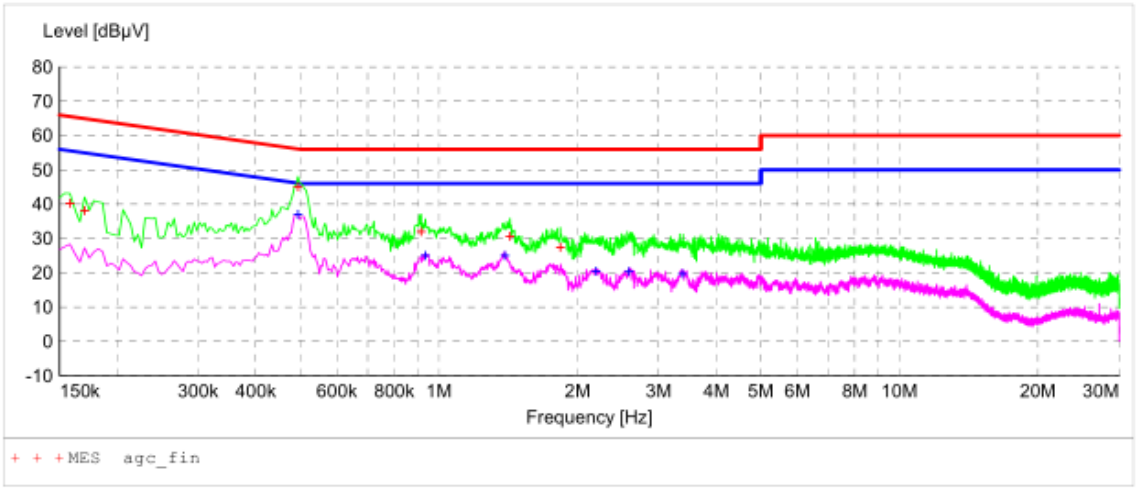
MEASUREMENT RESULT: "agc_fin2"

2024/9/9 14:46

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.162000	22.30	6.1	55	33.1	AV	L1
0.182000	20.30	6.1	54	34.1	AV	L1
0.494000	26.00	6.1	46	20.1	AV	L1
0.946000	17.60	6.2	46	28.4	AV	L1
2.186000	13.80	6.3	46	32.2	AV	L1
6.578000	12.70	6.5	50	37.3	AV	L1

Result: Pass

AC Power Line Conducted Emission Test- P01V71			
Test Mode	802.11a 5320MHz with adapter 2	LISN Line	Neutral Side



MEASUREMENT RESULT: "agc_fin"

2024/9/9 14:49

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.158000	40.20	6.1	66	25.4	QP	N
0.170000	38.00	6.1	65	27.0	QP	N
0.494000	45.00	6.1	56	11.1	QP	N
0.914000	31.90	6.2	56	24.1	QP	N
1.426000	30.60	6.2	56	25.4	QP	N
1.834000	27.30	6.2	56	28.7	QP	N

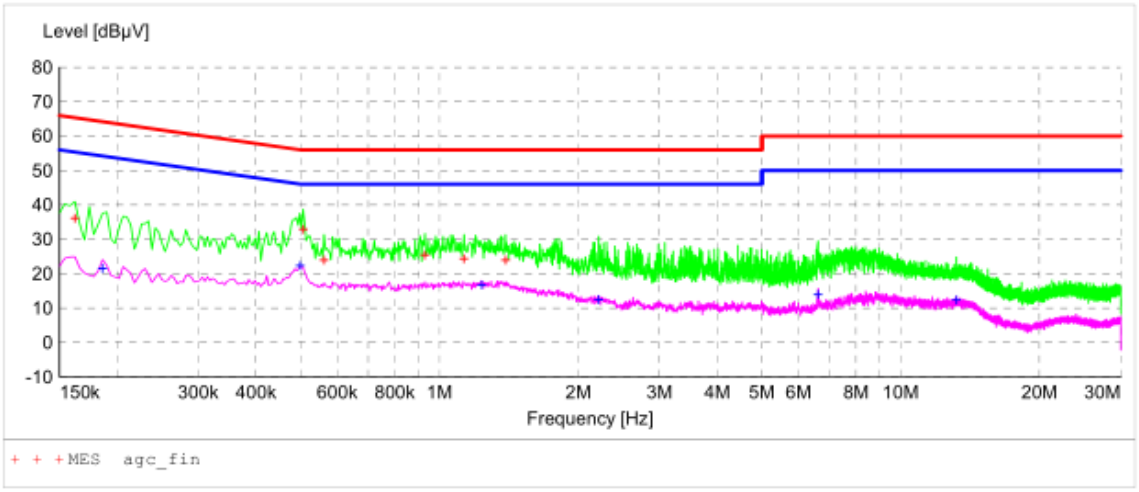
MEASUREMENT RESULT: "agc_fin2"

2024/9/9 14:49

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.494000	36.90	6.1	46	9.2	AV	N
0.934000	24.90	6.2	46	21.1	AV	N
1.390000	24.90	6.2	46	21.1	AV	N
2.194000	20.40	6.3	46	25.6	AV	N
2.586000	20.30	6.3	46	25.7	AV	N
3.378000	19.60	6.3	46	26.4	AV	N

Result: Pass

AC Power Line Conducted Emission Test- P701			
Test Mode	802.11a 5320MHz with adapter 2	LISN Line	Hot Side



MEASUREMENT RESULT: "agc_fin"

2024/9/10 17:21

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.162000	36.00	6.1	65	29.4	QP	L1
0.506000	32.90	6.2	56	23.1	QP	L1
0.562000	23.90	6.2	56	32.1	QP	L1
0.930000	25.40	6.2	56	30.6	QP	L1
1.130000	24.30	6.2	56	31.7	QP	L1
1.390000	23.90	6.2	56	32.1	QP	L1

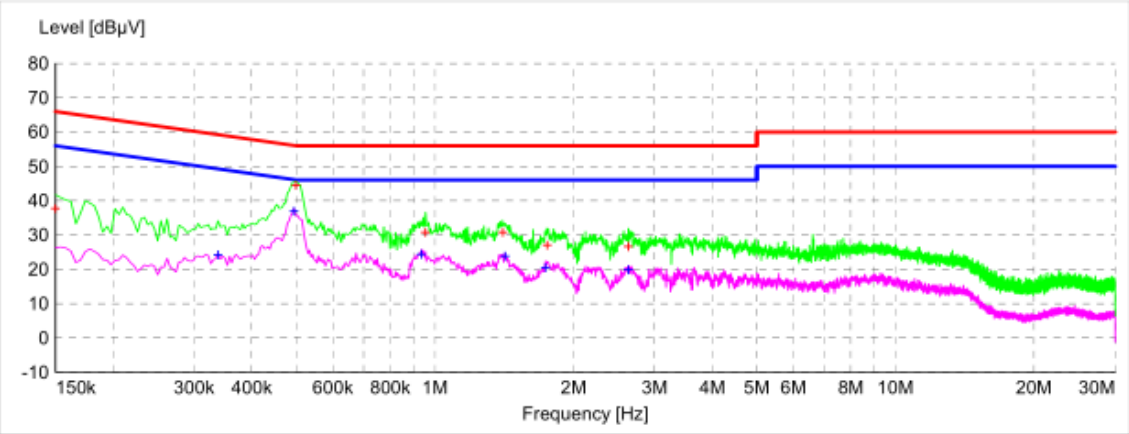
MEASUREMENT RESULT: "agc_fin2"

2024/9/10 17:21

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.186000	21.50	6.1	54	32.7	AV	L1
0.498000	22.30	6.1	46	23.7	AV	L1
1.234000	16.70	6.2	46	29.3	AV	L1
2.214000	12.40	6.3	46	33.6	AV	L1
6.618000	13.90	6.5	50	36.1	AV	L1
13.210000	12.30	6.8	50	37.7	AV	L1

Result: Pass

AC Power Line Conducted Emission Test- P701			
Test Mode	802.11a 5320MHz with adapter 2	LISN Line	Neutral Side



MEASUREMENT RESULT: "agc_fin"

2024/9/10 17:18

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.150000	37.60	6.1	66	28.4	QP	N
0.498000	44.40	6.1	56	11.6	QP	N
0.954000	30.70	6.2	56	25.3	QP	N
1.402000	30.70	6.2	56	25.3	QP	N
1.750000	27.00	6.2	56	29.0	QP	N
2.630000	26.50	6.3	56	29.5	QP	N

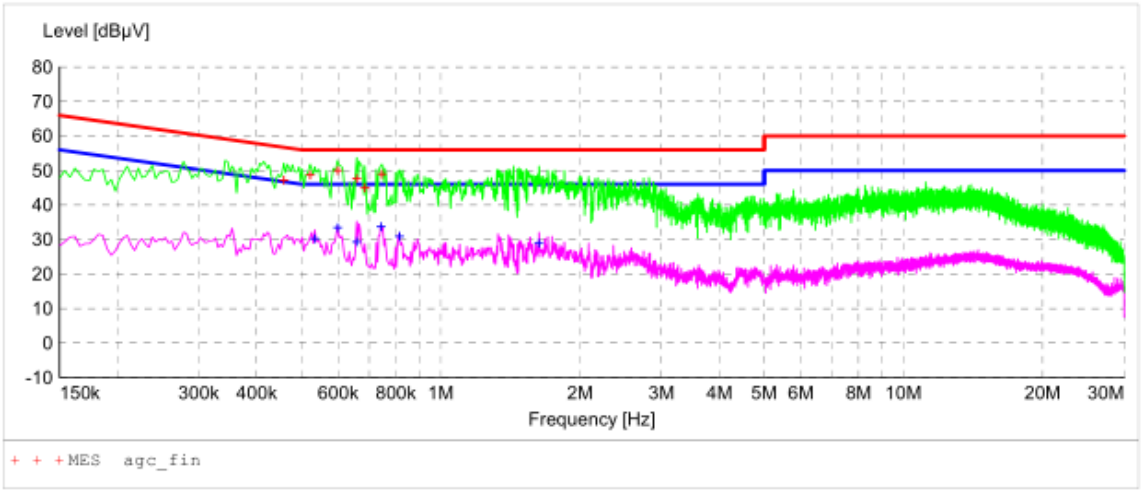
MEASUREMENT RESULT: "agc_fin2"

2024/9/10 17:18

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.338000	24.20	6.1	49	25.1	AV	N
0.494000	36.80	6.1	46	9.3	AV	N
0.934000	24.30	6.2	46	21.7	AV	N
1.418000	23.70	6.2	46	22.3	AV	N
1.738000	20.40	6.2	46	25.6	AV	N
2.630000	19.80	6.3	46	26.2	AV	N

Result: Pass

AC Power Line Conducted Emission Test- P711			
Test Mode	802.11a 5320MHz with adapter 1	LISN Line	Hot Side



MEASUREMENT RESULT: "agc_fin"

2024/9/11 10:27

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.458000	47.10	6.1	57	9.6	QP	L1
0.522000	48.60	6.2	56	7.4	QP	L1
0.598000	49.90	6.2	56	6.1	QP	L1
0.658000	47.50	6.2	56	8.5	QP	L1
0.686000	44.90	6.2	56	11.1	QP	L1
0.746000	48.90	6.2	56	7.1	QP	L1

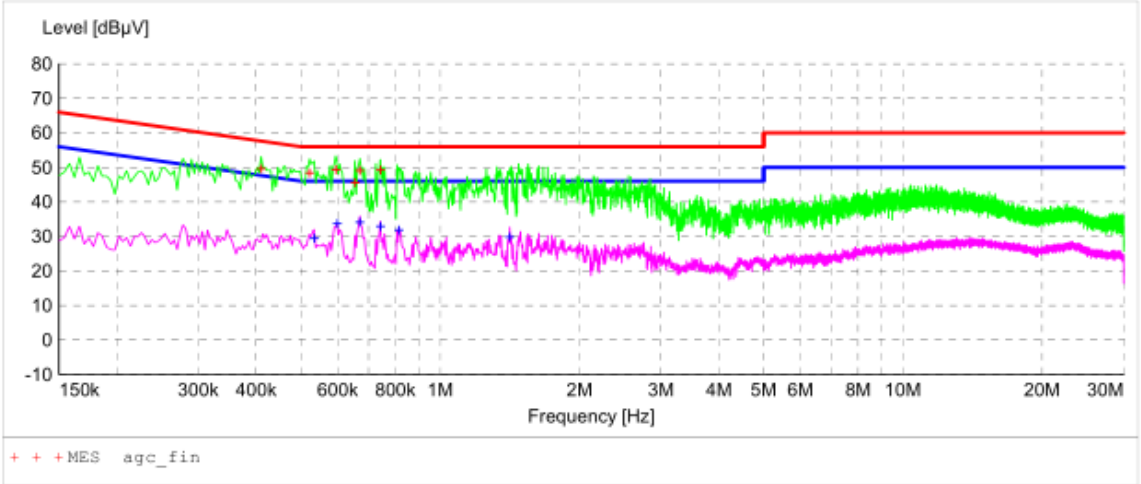
MEASUREMENT RESULT: "agc_fin2"

2024/9/11 10:27

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.534000	30.10	6.2	46	15.9	AV	L1
0.598000	33.40	6.2	46	12.6	AV	L1
0.658000	29.20	6.2	46	16.8	AV	L1
0.742000	33.60	6.2	46	12.4	AV	L1
0.814000	30.80	6.2	46	15.2	AV	L1
1.630000	28.80	6.2	46	17.2	AV	L1

Result: Pass

AC Power Line Conducted Emission Test- P711			
Test Mode	802.11a 5320MHz with adapter 1	LISN Line	Neutral Side



MEASUREMENT RESULT: "agc_fin"

2024/9/11 10:30

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.410000	49.50	6.1	58	8.1	QP	N
0.522000	48.30	6.2	56	7.7	QP	N
0.594000	49.30	6.2	56	6.7	QP	N
0.654000	45.50	6.2	56	10.5	QP	N
0.670000	49.00	6.2	56	7.0	QP	N
0.742000	49.10	6.2	56	6.9	QP	N

MEASUREMENT RESULT: "agc_fin2"

2024/9/11 10:30

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.534000	29.40	6.2	46	16.6	AV	N
0.598000	33.60	6.2	46	12.4	AV	N
0.670000	34.00	6.2	46	12.0	AV	N
0.742000	32.80	6.2	46	13.2	AV	N
0.814000	31.80	6.2	46	14.2	AV	N
1.414000	29.80	6.2	46	16.2	AV	N

Result: Pass

Appendix I: Photographs of Test Setup

Refer to the Report No.: AGC16626240801AP02

Appendix II: Photographs of EUT

Refer to the Report No.: AGC16626240801AP03

----End of Report----

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.