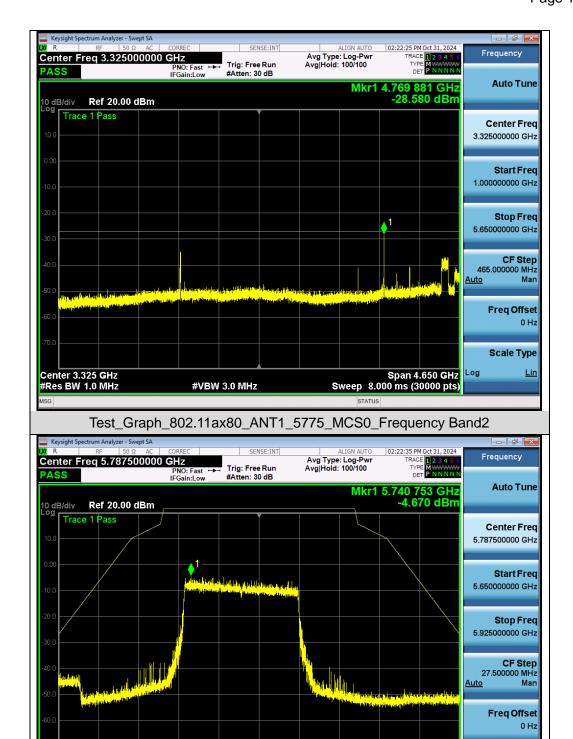


Scale Type

Log

Span 275.0 MHz Sweep 2.000 ms (30000 pts)



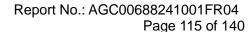


Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

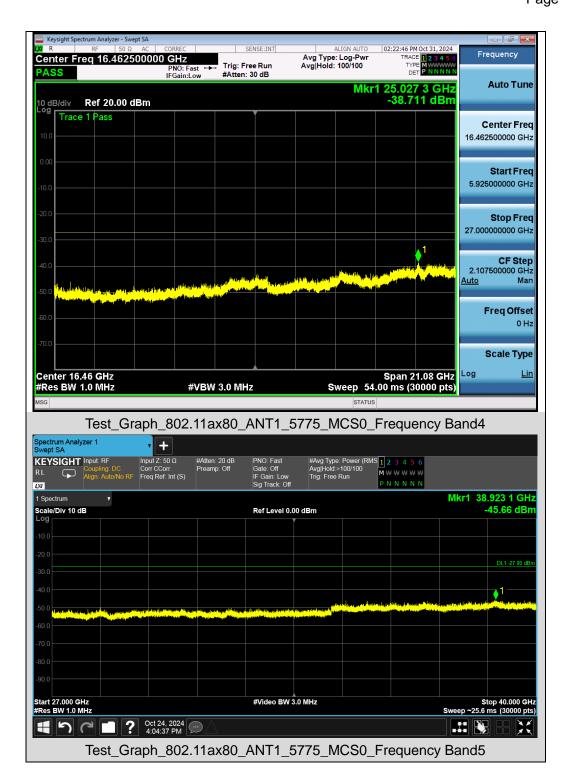
Test_Graph_802.11ax80_ANT1_5775_MCS0_Frequency Band3

#VBW 3.0 MHz

Center 5.7875 GHz #Res BW 1.0 MHz









Page 116 of 140

11. Radiated Spurious Emission

11.1 Measurement Limit

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

NOTE:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

	Applicable to	Limit		
Restricted	789033 D02 General UNII Test	Field strength at 3m (dBuV/m)		
bands Procedures New Rules v02r01		PK: 74	AV: 54	
	Applicable to	EIRP Limit (dBm/MHz)	Equivalent field Strength at 3m (dBuV/m)	
Out of the	FCC 15.407(b)(1)		PK: 68.2	
restricted bands	15.407(b)(2)	PK: -27		
	15.407(b)(3)			
	15.407(b)(4)	See Note 2		

Note 1: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

E =
$$\frac{1000000 - \sqrt{30 P}}{^3}$$
 µV/m, where P is the eirp (Watts).

Note 2: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.



Page 117 of 140

11.2 Measurement Procedure

- The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.



Page 118 of 140

The following table is the setting of spectrum analyzer and receiver.

Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.Section G) Unwanted emissions measurement.

♦ Procedure for Unwanted Emissions Measurements Below 1000MHz:

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

♦ Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz:

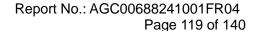
- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

Procedures for Average Unwanted Emissions Measurements Above 1000MHz:

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Procedures for Average Unwanted Emissions Measurements Above 1000MHz:

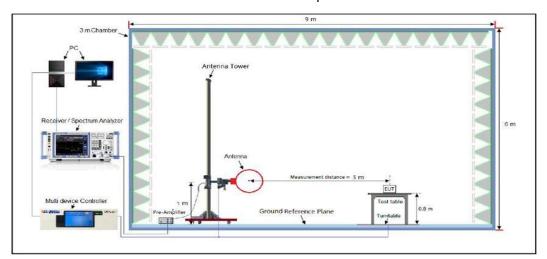
- RBW = 1 MHz
- VBW = 3 MHz Detector = power averaging (rms), set span/(# of points in sweep) ≥ RBW/2.
- Averaging type = power averaging (RMS)
- The correction factor shall be offset is 10 $\log (1/x)$, where x is the duty cycle.



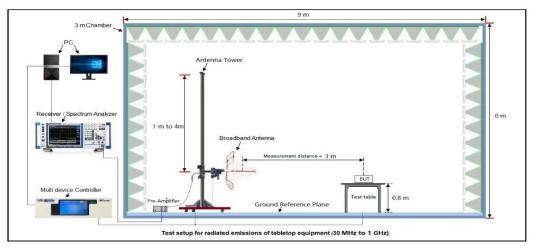


11.3 Measurement Setup (Block Diagram of Configuration)

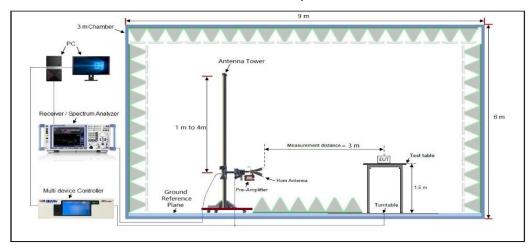
Radiated Emission Test Setup 9kHz-30MHz



Radiated Emission Test Setup 30MHz-1000MHz



Radiated Emission Test Setup Above 1000MHz





11.4 Measurement Result

Radiated Emission Below 30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

Radiated Emission Test Results at 30MHz-1GHz

	Radiated Emission Test Results at 30MHz-10Hz							
EUT Name		Wireless L	ISB Adapte	er	Model Nam	me AX913		
Temperatu	re	22.8°C			Relative Hu	umidity	57.9 %	
Pressure		960hPa			Test Voltag	je	Normal \	/oltage
Test Mode		802.11n(40	0MHz)_52	30MHz	Antenna		Horizont	al
-	8 30.000 40	50 60 70	80	(MHz)	300	400 500		1000.000
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.6948	20.00	13.50	40.00	20.0	100	165	Horizontal
2	118.6014	22.64	16.39	43.50	20.86	100	342	Horizontal
3	441.7426	30.76	25.04	46.00	15.24	100	161	Horizontal
4	520.8882	31.04	25.14	46.00	14.96	100	90	Horizontal
5	614.2142	32.73	25.17	46.00	13.27	100	211	Horizontal
6	900.1474	37.25	31.78	46.00	8.75	100	322	Horizontal

Result: Pass



EUT Nam	е	Wireles	s USB Ada	pter	Model N	ame	AX91	3
Temperat	ure	22.8°C			Relative	Humidity	57.9 %	%
Pressure		960hPa	l		Test Volt	tage	Norma	al Voltage
Test Mod	е	802.11r	(40MHz)_	5230MHz	Antenna		Vertic	al
	32 -8 30.000 40	1 X		MHz)	300	400 500	0 600 700	1000.000
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	51.4806	23.71	17.01	40.00	16.29	100	165	Vertical
2	138.3873	24.02	18.16	43.50	19.48	100	342	Vertical
3	446.4141	31.86	25.81	46.00	14.14	100	161	Vertical
4	595.1327	31.82	25.98	46.00	14.18	100	90	Vertical
5	714.1734	35.19	28.60	46.00	10.81	100	211	Vertical
6	938.8325	37.52	30.84	46.00	8.48	100	322	Vertical

Result: Pass

Note:

- 1. Factor=Antenna Factor + Cable loss, Margin=Limit-Level.
- 2. All test modes had been pre-tested, Refer to Chapter 5 of the report for details.



Page 122 of 140

Radiated Emissions Test Results Above 1GHz

EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8°C	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20_5180MHz	Antenna	Horizontal/Vertical

Radiated Emission Above 1GHz-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type	
10360.042	47.25	9.14	56.39	68.20	-11.81	peak	
15540.063	36.45	10.22	46.67	74.00	-27.33	peak	
15540.063	40.66	10.22	50.88	54.00	-3.12	AVG	
Remark:	Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.							

Radiated Emission Above 1GHz-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Time	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type	
10360.042	48.14	9.14	57.28	68.20	-10.92	peak	
15540.063	36.40	10.22	46.62	74.00	-27.38	peak	
15540.063	40.85	10.22	51.07	54.00	-2.93	AVG	
Remark:	Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.							

Result: Pass



Page 123 of 140

Radiated Emissions Test Results Above 1GHz

EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8°C	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20_5200MHz	Antenna	Horizontal/Vertical

Radiated Emission Above 1GHz-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
10400.042	47.51	9.14	56.65	68.20	-11.55	peak
15600.063	36.07	10.22	46.29	74.00	-27.71	peak
15600.063	40.76	10.22	50.98	54.00	-3.02	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Radiated Emission Above 1GHz-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
10400.042	47.16	9.14	56.30	68.20	-11.90	peak
15600.063	36.34	10.22	46.56	74.00	-27.44	peak
15600.063	40.09	10.22	50.31	54.00	-3.69	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Result: Pass



Page 124 of 140

Radiated Emissions Test Results Above 1GHz

EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8°C	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20_5240MHz	Antenna	Horizontal/Vertical

Radiated Emission Above 1GHz-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type			
10480.042	47.10	9.27	56.37	68.20	-11.83	peak			
15720.063	36.77	10.38	47.15	74.00	-26.85	peak			
15720.063	40.28	10.38	50.66	54.00	-3.34	AVG			
Remark:	Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.									

Radiated Emission Above 1GHz-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type			
10480.042	49.45	9.27	58.72	68.20	-9.48	peak			
15720.063	36.06	10.38	46.44	74.00	-27.56	peak			
15720.063	40.54	10.38	50.92	54.00	-3.08	AVG			
Remark:	Remark:								
Factor = Anter	Factor = Antenna Factor + Cable Loss – Pre-amplifier.								

Result: Pass



Page 125 of 140

Radiated Emissions Test Results Above 1GHz

EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8°C	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20_5745MHz	Antenna	Horizontal/Vertical

Radiated Emission Above 1GHz-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- Value Type			
11490.042	49.14	9.42	58.56	68.20	-9.64	peak			
11490.042	36.30	9.42	45.72	74.00	-28.28	AVG			
17235.063	40.08	10.51	50.59	54.00	-3.41	peak			
Remark:	Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.									

Radiated Emission Above 1GHz-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Time			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- Value Type			
11490.042	41.22	9.42	50.64	68.20	-17.56	peak			
11490.042	36.12	9.42	45.54	74.00	-28.46	AVG			
17235.063	40.62	10.51	51.13	54.00	-2.87	peak			
Remark:	Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.									

Result: Pass



Page 126 of 140

Radiated Emissions Test Results Above 1GHz

EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8°C	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20_5785MHz	Antenna	Horizontal/Vertical

Radiated Emission Above 1GHz-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Time			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type			
11570.042	49.51	9.42	58.93	68.20	-9.27	peak			
11570.042	36.80	9.42	46.22	74.00	-27.78	AVG			
17355.063	40.28	10.51	50.79	54.00	-3.21	peak			
Remark:	Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.									

Radiated Emission Above 1GHz-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	\/alua Tima			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type			
11570.042	46.27	9.42	55.69	68.20	-12.51	peak			
11570.042	36.69	9.42	46.11	74.00	-27.89	AVG			
17355.063	40.11	10.51	50.63	54.00	-3.37	peak			
Remark:	Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.									

Result: Pass



Page 127 of 140

Radiated Emissions Test Results Above 1GHz

EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8°C	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20_5825MHz	Antenna	Horizontal/Vertical

Radiated Emission Above 1GHz-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type			
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type			
11650.042	47.28	9.62	56.90	68.20	-11.30	peak			
11650.042	36.34	9.62	45.96	74.00	-28.04	AVG			
17475.063	40.70	10.75	51.45	54.00	-2.55	peak			
Remark:	Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.									

Radiated Emission Above 1GHz-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type	
11650.042	46.14	9.62	55.76	68.20	-12.44	peak	
11650.042	36.09	9.62	45.71	74.00	-28.29	AVG	
17475.063	40.89	10.75	51.64	54.00	-2.36	peak	
Remark:							
Factor = Antenna Factor + Cable Loss - Pre-amplifier.							

Result: Pass

Note:

- 1. The amplitude of other spurious emissions from 1GHz to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.
- 2. Factor = Antenna Factor + Cable loss Amplifier gain, Margin=Emission Level-Limit.
- 3. The "Factor" value can be calculated automatically by software of measurement system.
- 4. All test modes had been pre-tested. Refer to Chapter 5 of the report for details.



EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8℃	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a_5180MHz	Antenna	Horizontal

Test Graph for Peak Measurement



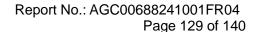
Test Graph for Average Measurement



Result: Pass

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EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8℃	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a_5180MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



Result: Pass



EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8℃	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40_5190MHz	Antenna	Horizontal

Test Graph for Peak Measurement



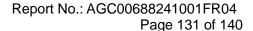
Test Graph for Average Measurement



Result: Pass

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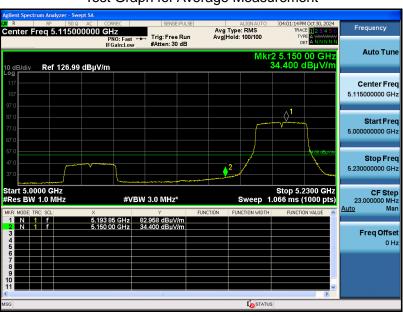


EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8℃	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40_5190MHz	Antenna	Vertical

Test Graph for Peak Measurement



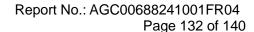
Test Graph for Average Measurement



Result: Pass

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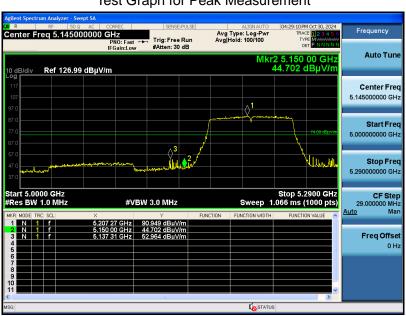
Web: http://www.agccert.com/





EUT Name	Wireless USB Adapter	Model Name	AX913
Temperature	22.8℃	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80_5210MHz	Antenna	Horizontal

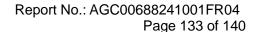
Test Graph for Peak Measurement



Test Graph for Average Measurement



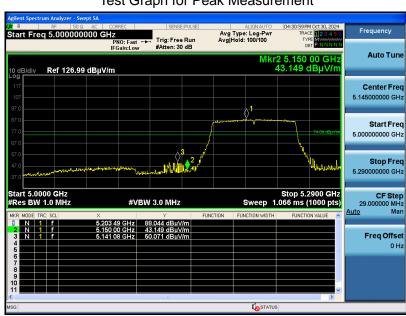
Result: Pass



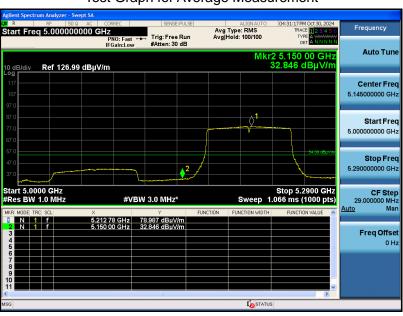


EUT Name	e Wireless USB Adapter Model Name		AX913
Temperature	22.8℃	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80_5210MHz	Antenna	Vertical

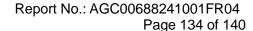
Test Graph for Peak Measurement



Test Graph for Average Measurement



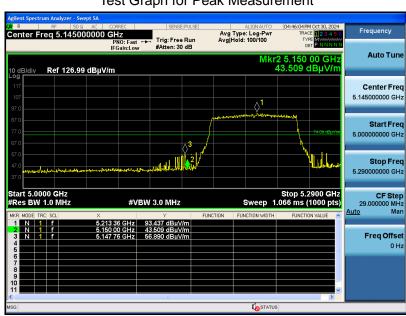
Result: Pass





EUT Name	Wireless USB Adapter Model Name		AX913
Temperature	22.8℃	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ax80_5210MHz	Antenna	Horizontal

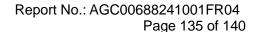
Test Graph for Peak Measurement



Test Graph for Average Measurement



Result: Pass





EUT Name	Wireless USB Adapter	eless USB Adapter Model Name A	
Temperature	22.8℃	Relative Humidity	57.9 %
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ax80_5210MHz	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

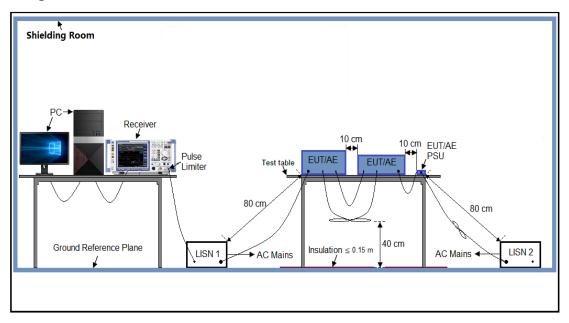
12.1 Measurement limit

Fraguenay	Maximum RF	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 0.50MHz.

12.2 Block Diagram of Line Conducted Emission Test





Page 137 of 140

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 DC 5V power from PC that connected to 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.

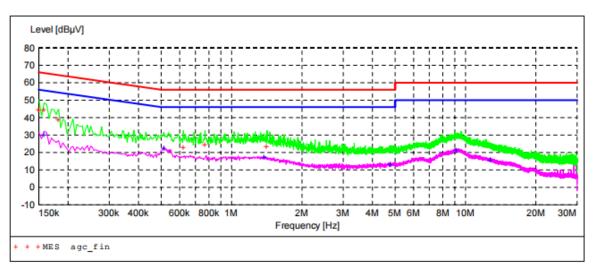
12.4 Final Procedure of Line Conducted Emission Test

- 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.
- The worst mode is 802.11n20 5180MHz.



12.5 Test Result of Line Conducted Emission Test

AC Power Line Conducted Emission Test			
Test Mode	802.11n(20MHz)5180MHz	LISN Line	Hot Side



MEASUREMENT RESULT: "agc_fin"

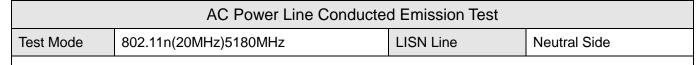
2024/10/10 23:	: 59					
Frequency	Level	Transd	Limit	Margin	Detector	Line
MHz	dΒμV	dB	dΒμV	dB		
0.150000	44.60	6.1	66	21.4	QP	L1
0.158000	44.60	6.1	66	21.0	QP	L1
0.182000	38.90	6.1	64	25.5	QP	L1
0.622000	22.80	6.2	56	33.2	QP	L1
0.770000	24.30	6.2	56	31.7	QP	L1
1.418000	23.20	6.2	56	32.8	OP	L1

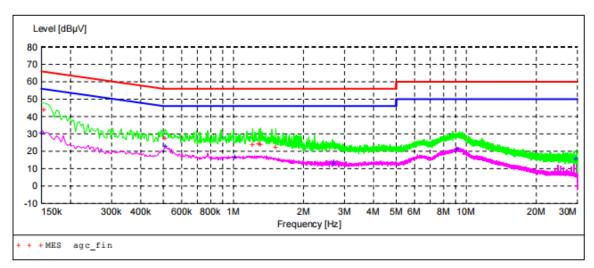
MEASUREMENT RESULT: "agc fin2"

2	2024/10/10 23:	:59					
	Frequency	Level	Transd	Limit	Margin	Detector	Line
	MHz	dΒμV	dB	dΒμV	dB		
	0.158000	30.20	6.1	56	25.4	AV	L1
	0.514000	22.40	6.2	46	23.6	AV	L1
	1.374000	17.10	6.2	46	28.9	AV	L1
	4.774000	13.10	6.3	46	32.9	AV	L1
	9.094000	21.10	6.6	50	28.9	AV	L1
	12.766000	15.80	6.8	50	34.2	AV	L1

Result: Pass







MEASUREMENT RESULT: "agc_fin"

2024/10/11 0:0	02					
Frequency	Level	Transd	Limit	Margin	Detector	Line
MHz	dΒμV	dB	dBµV	dB		
0.154000	44.10	6.1	66	21.7	QP	N
0.510000	27.20	6.2	56	28.8	QP	N
1.210000	23.80	6.2	56	32.2	QP	N
1.290000	24.10	6.2	56	31.9	QP	N
1.310000	23.80	6.2	56	32.2	QP	N
1.522000	22.10	6.2	56	33.9	QP	N

MEASUREMENT RESULT: "agc fin2"

2024/10/11 0:0	02					
Frequency	Level	Transd	Limit	Margin	Detector	Line
MHz	dΒμV	dB	dBµV	dB		
0.150000	30.60	6.1	56	25.4	AV	N
0.510000	22.60	6.2	46	23.4	AV	N
1.018000	16.40	6.2	46	29.6	AV	N
2.702000	13.10	6.3	46	32.9	AV	N
9.146000	21.00	6.6	50	29.0	AV	N
29.698000	15.60	8.3	50	34.4	AV	N

Result: Pass



Page 140 of 140

Appendix I: Photographs of Test Setup

Refer to the Report No.: AGC00688241001AP02

Appendix II: Photographs of EUT

Refer to the Report No.: AGC00688241001AP03

----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.