FCC TEST REPORT

Test report
On Behalf of
Autel Intelligent Tech. Corp., Ltd.
For
AUTOMMOTIVE DIAGNOSTICS & ANALYSIS SYSTEM
Model No.: MaxiSys MS908S II, MaxiSys MS908S Pro II, MaxiSys MS908CV II

FCC ID: WQ8-MS908S2122

Prepared For:	**Autel Intelligent Tech. Corp., Ltd.** **7th-8th, 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd. Xili, Nanshan, Shenzhen, 518055 China**
Prepared By:	**Shenzhen HUAK Testing Technology Co., Ltd.** **1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China**
Date of Test:	**Feb. 08, 2022 ~ Feb. 15, 2022**
Date of Report:	**Feb. 15, 2022**
Report Number:	**HK2202090302-2E**

TEST RESULT CERTIFICATION

Applicant's name ..... :	Autel Intelligent Tech. Corp., Ltd.
Address ..... :	7th-8th, 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd. Xili, Nanshan, Shenzhen, 518055 China
Manufacture's Name ..... :	Autel Intelligent Tech. Corp., Ltd.
Address ..... :	7th-8th, 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd. Xili, Nanshan, Shenzhen, 518055 China

Product description

Trade Mark:	Autel
Product name..... :	AUTOMMOTIVE DIAGNOSTICS & ANALYSIS SYSTEM
Model and/or type reference .:	MaxiSys MS908S II, MaxiSys MS908S Pro II, MaxiSys MS908CV II
Standards ..... :	FCC Rules and Regulations Part 15 Subpart E Section 15.407 ANSI C63.10: 2013

Date of Test ..... :

Date (s) of performance of tests ..... :	Feb. 08, 2022 ~ Feb. 15, 2022
Date of Issue..... :	Feb. 15, 2022
Test Result..... :	Pass

Prepared by: Gary Qian

Project Engineer

Reviewed by: Zden Hu

Project Supervisor

Approved by: Jason Zhu

Technical Director

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** Modified History **

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	Feb. 15, 2022	Jason Zhou

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Add: 1-2F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

1. TEST RESULT SUMMARY

1.1. TEST PROCEDURES AND RESULTS

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Maximum Conducted Output Power	§15.407(a)	PASS
6dB Emission Bandwidth	§15.407(e)	N/A
26dB Emission Bandwidth & 99% Occupied Bandwidth	§15.407(a)	PASS
Power Spectral Density	§15.407(a)	PASS
Band edge	§15.407(b)/15.209/15.205	PASS
Radiated Emission	§15.407(b)/15.209/15.205	PASS
Frequency Stability	§15.407(g)	PASS

Note:

1. PASS: Test item meets the requirement.

2. Fail: Test item does not meet the requirement.

3. N/A: Test case does not apply to the test object.

4. The test result judgment is decided by the limit of test standard.

1.2. INFORMATION OF THE TEST LABORATORY

Shenzhen HUAK Testing Technology Co., Ltd.
Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization：

A2LA Accreditation Code is 4781.01.
FCC Designation Number is CN1229.
Canada IC CAB identifier is CN0045.
CNAS Registration Number is L9589.

1.3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	±2.71dB
2	RF power, conducted	±0.37dB
3	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1G)	±3.90dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
7	Humidity	±1.0%

2. EUT DESCRIPTION

2.1. GENERAL DESCRIPTION OF EUT

Equipment	AUTOMMOTIVE DIAGNOSTICS & ANALYSIS SYSTEM
Model Name	MaxiSys MS908S II
Series Model	MaxiSys MS908S Pro II, MaxiSys MS908CV II
Model Difference	All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample model: MaxiSys MS908S II
Trade Mark	Autel
FCC ID	WQ8-MS908S2122
Operation Frequency	IEEE 802.11a/n/ac(HT20) 5.180GHz-5.240GHz IEEE 802.11n/ac(HT40) 5.190GHz-5.230GHz IEEE 802.11ac(HT80) 5.210GHz
Modulation Technology	IEEE 802.11a/n/ac
Modulation Type	OFDM
Antenna Type	Internal Antenna
Antenna Gain	Antenna 1:4.2dBi Antenna 2:3.4dBi MIMO: 6.829dBi
Power Source	DC 12V from adapter or DC 3.7V from battery
Power Supply	DC 12V from adapter or DC 3.7V from battery
Hardware Version:	DV2122_MAIN_V3
Software Version:	V01.23.00
Note: The EUT incorporates a MIMO function. Physically, it provides two completed transmitters a nd receivers(2T2R), two transmit signals are completely correlated, then, Direction gain= GANT + Array Gain(Array Gain=10 log(2) dB for power spectral density; Array Gain=0 for power measurement).	

2.2. OPERATION FREQUENCY EACH OF CHANNEL

802.11a/802.11n(HT20) 802.11ac(HT20)		802.11n(HT40)/ 802.11ac(HT40)		802.11ac(HT80)	
Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

2.3. OPERATION OF EUT DURING TESTING

For 802.11a/n (HT20)/ac (HT20)

Band I (5150 - 5250 MHz)		
Channel Number	Channel	Frequency (MHz)
36	Low	5180
40	Mid	5200
48	High	5240

For 802.11n (HT40)/ac (HT40)

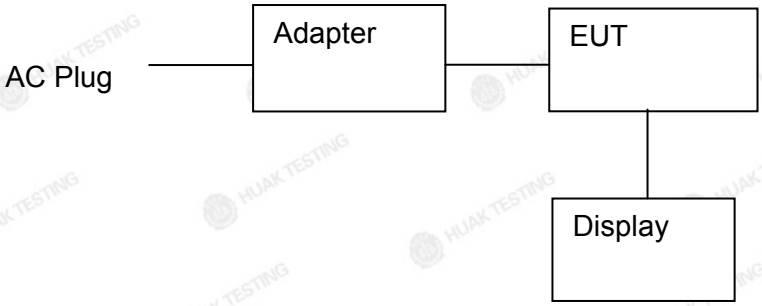
Band I (5150 - 5250 MHz)		
Channel Number	Channel	Frequency (MHz)
38	Low	5190
46	High	5230

For 802.11ac (HT80)

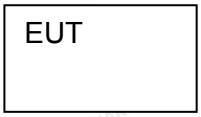
Band I (5150 - 5250 MHz)	
Channel Number	Frequency (MHz)
42	5210

2.4. DESCRIPTION OF TEST SETUP

Operation of EUT during conducted testing and radiation below 1GHz testing:



Operation of EUT during radiation above 1GHz testing:



Adapter information
Model: GME36E-120300FDR
Input: 100-240V~50-60Hz 1.2A
Output:12V 3A, 36.0W

Display information
Model: 24PFF3661/T3

The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is X position.

3. GENERA INFORMATION

3.1. TEST ENVIRONMENT AND MODE

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 100%)
The sample was placed 0.8m/1.5m for blow/above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.	
Mode	Data rate
802.11a	6 Mbps
802.11n(HT20)	MCS0
802.11n(HT40)	MCS0
802.11ac(HT20)/ac(HT40)/ac(HT80)	MCS0
Final Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation

3.2. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

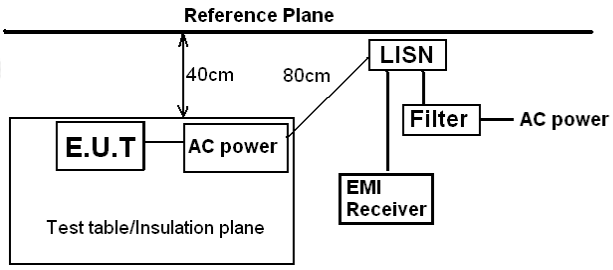
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

3. For conducted measurements (Output Power, Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

4. TEST RESULTS AND MEASUREMENT DATA

4.1. CONDUCTED EMISSION

4.1.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013
Frequency Range:	150 kHz to 30 MHz
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto
Limits:	Frequency range (MHz) / Limit (dBuV): Quasi-peak / Average 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 5-30: 60 / 50
Test Setup:	 *Remark:* *E.U.T: Equipment Under Test* *LISN: Line Impedence Stabilization Network* *Test table height=0.8m*
Test Mode:	Tx Mode
Test Procedure:	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.
Test Result:	PASS

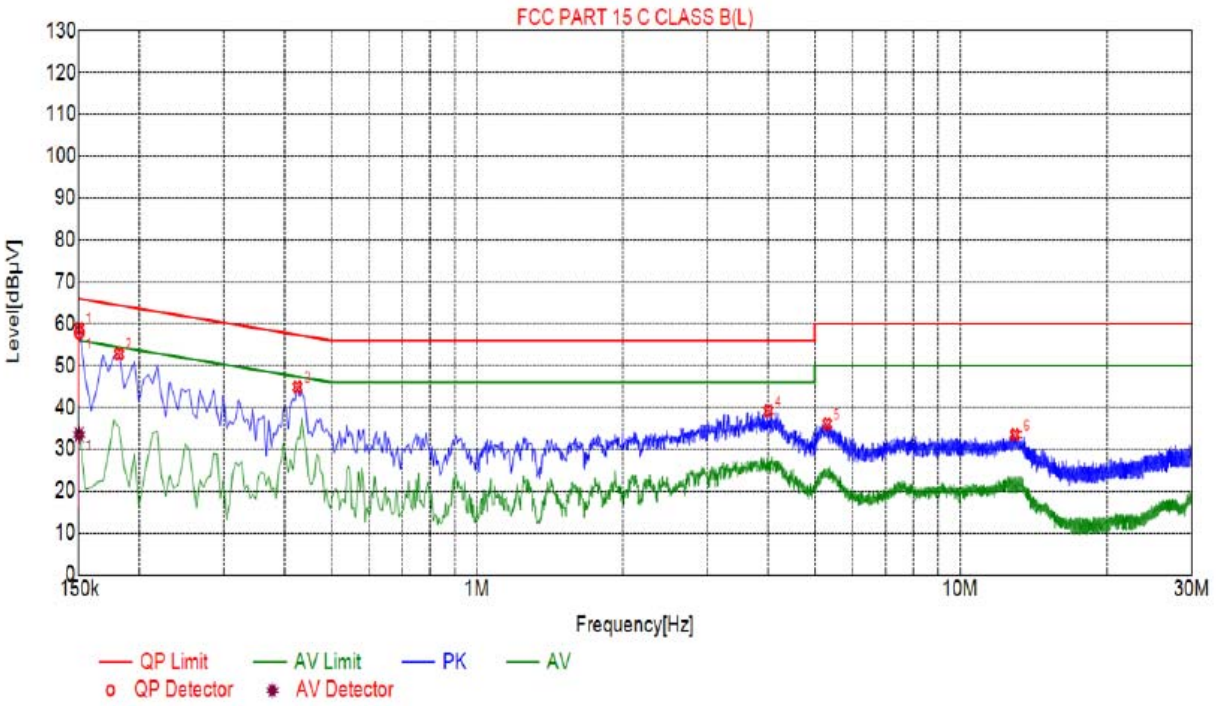
4.1.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)					
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Receiver	R&S	ESCI 7	HKE-010	Dec. 09, 2021	Dec. 08, 2022
LISN	R&S	ENV216	HKE-002	Dec. 09, 2021	Dec. 08, 2022
Coax cable (9KHz-30MHz)	Times	381806-002	N/A	Dec. 09, 2021	Dec. 08, 2022
Conducted test software	Tonscend	TS+ Rev 2.5.0.0	HKE-081	N/A	N/A

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

4.1.3. Test data

All the test modes completed for test. only the worst result was reported as below:
Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)

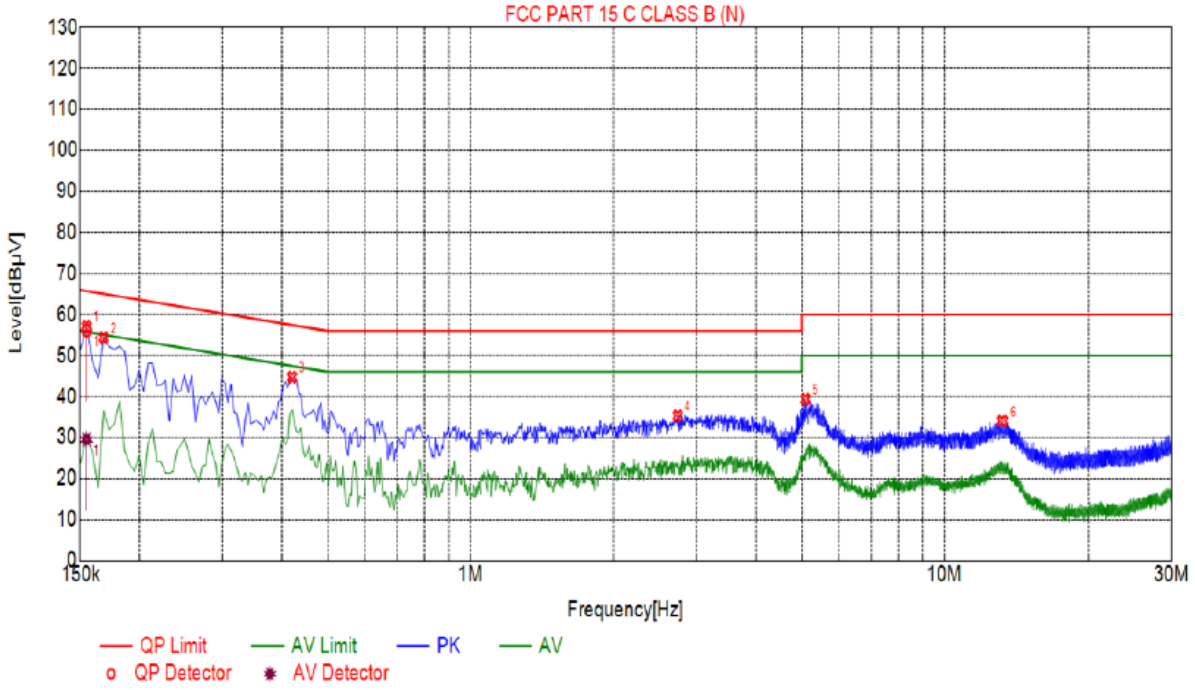


Suspected List								
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type
1	0.1500	58.96	20.03	66.00	7.04	38.93	PK	L
2	0.1815	52.79	20.06	64.42	11.63	32.73	PK	L
3	0.4245	44.89	20.04	57.36	12.47	24.85	PK	L
4	4.0065	39.15	20.25	56.00	16.85	18.90	PK	L
5	5.3070	36.08	20.26	60.00	23.92	15.82	PK	L
6	12.9885	33.48	19.97	60.00	26.52	13.51	PK	L

Final Data List											
NO.	Freq. [MHz]	Correction factor[dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	QP Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	AV Reading [dBµV]	Type
1	0.1500	20.03	57.89	66.00	8.11	37.86	33.49	56.00	22.51	13.46	L

Remark: Margin = Limit – Level
Correction factor = Cable lose + LISN insertion loss
Level=Test receiver reading + correction factor

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type
1	0.1545	57.13	20.03	65.75	8.62	37.10	PK	N
2	0.1680	54.39	20.01	65.06	10.67	34.38	PK	N
3	0.4200	44.74	20.04	57.45	12.71	24.70	PK	N
4	2.7375	35.28	20.21	56.00	20.72	15.07	PK	N
5	5.0910	39.32	20.26	60.00	20.68	19.06	PK	N
6	13.2180	34.02	19.96	60.00	25.98	14.06	PK	N

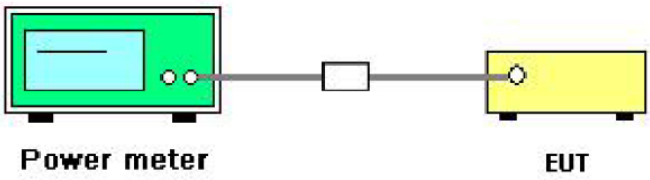
Final Data List

NO.	Freq. [MHz]	Correction factor[dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	QP Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	AV Reading [dBµV]	Type
1	0.1545	20.03	56.13	65.75	9.62	36.10	29.50	55.75	26.25	9.47	N

Remark: Margin = Limit – Level
Correction factor = Cable lose + LISN insertion loss
Level=Test receiver reading + correction factor

4.2. MAXIMUM CONDUCTED OUTPUT POWER

4.2.1. Test Specification

Test Requirement:	FCC Part15 E Section 15.407(a)
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02.r01 Section E
Limit:	Frequency Band (MHz) / Limit 5150-5250 / 250 mW for client devices
Test Setup:	
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E, 3, a. 2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Measure the conducted output power and record the results in the test report.
Test Result:	PASS
Remark:	Conducted output power= measurement power +10log(1/x) X is duty cycle=1, so 10log(1/1)=0 Conducted output power= measurement power

4.2.2. Test Instruments

RF Test Room					
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 09, 2021	Dec. 08, 2022
Power meter	Agilent	E4419B	HKE-085	Dec. 09, 2021	Dec. 08, 2022
Power Sensor	Agilent	E9300A	HKE-086	Dec. 09, 2021	Dec. 08, 2022
RF cable	Times	1-40G	HKE-034	Dec. 09, 2021	Dec. 08, 2022
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 09, 2021	Dec. 08, 2022

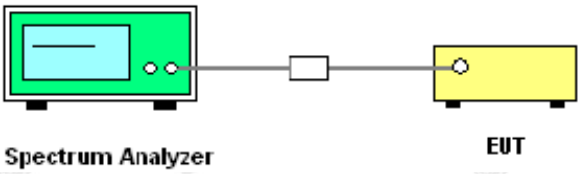
Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

4.2.3. Test Data

Configuration Band I (5150 - 5250 MHz)						
Mode	Test channel	Maximum Conducted Output Power (dBm)			FCC Limit (dBm)	Result
		Antenna 1	Antenna 2	MIMO		
11a	CH36	13.73	13.62	/	24	PASS
11a	CH40	13.74	14.20	/	24	PASS
11a	CH48	13.76	14.52	/	24	PASS
11n(HT20)	CH36	13.77	13.59	16.69	24	PASS
11n(HT20)	CH40	13.71	14.19	16.97	24	PASS
11n(HT20)	CH48	13.75	14.53	17.17	24	PASS
11n(HT40)	CH38	13.78	13.97	16.89	24	PASS
11n(HT40)	CH46	13.89	14.56	17.25	24	PASS
11ac(HT20)	CH36	13.74	13.66	16.71	24	PASS
11ac(HT20)	CH40	13.72	14.31	17.04	24	PASS
11ac(HT20)	CH48	13.77	14.61	17.22	24	PASS
11ac(HT40)	CH38	13.79	14.02	16.92	24	PASS
11ac(HT40)	CH46	13.92	14.60	17.28	24	PASS
11ac(HT80)	CH42	13.91	14.21	17.07	24	PASS

4.3. 6DB EMISSION BANDWIDTH

4.3.1. Test Specification

Test Requirement:	FCC CFR47 Part 15 Section 15.407(e)
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C
Limit:	>500kHz
Test Setup:	
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. KDB789033 D02 General UNII Test Procedures New Rules v01r04 Section C. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. 4. Measure and record the results in the test report.
Test Result:	PASS

4.3.2. Test Instruments

RF Test Room					
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 09, 2021	Dec. 08, 2022
RF cable	Times	1-40G	HKE-034	Dec. 09, 2021	Dec. 08, 2022
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 09, 2021	Dec. 08, 2022

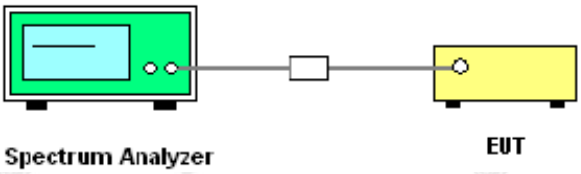
Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

4.3.3. Test data

N/A

4.4. 26DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

4.4.1. Test Specification

Test Requirement:	47 CFR Part 15C Section 15.407 (a)
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C
Limit:	No restriction limits
Test Setup:	
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth RBW = 1% EBW, VBW≥3RBW, In order to make an accurate measurement. 4. Measure and record the results in the test report.
Test Result:	PASS

4.4.2. Test Instruments

RF Test Room					
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 09, 2021	Dec. 08, 2022
RF cable	Times	1-40G	HKE-034	Dec. 09, 2021	Dec. 08, 2022
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 09, 2021	Dec. 08, 2022

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

4.4.3. Test data

Band I
ANT 1

Mode	Test channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Verdict
11a	CH36	5180	22.240	PASS
11a	CH40	5200	20.920	PASS
11a	CH48	5240	21.160	PASS
11n(HT20)	CH36	5180	22.400	PASS
11n(HT20)	CH40	5200	22.760	PASS
11n(HT20)	CH48	5240	22.280	PASS
11n(HT40)	CH38	5190	42.160	PASS
11n(HT40)	CH46	5230	41.520	PASS
11ac(HT20)	CH36	5180	22.360	PASS
11ac(HT20)	CH40	5200	22.240	PASS
11ac(HT20)	CH48	5240	21.880	PASS
11ac(HT40)	CH38	5190	41.760	PASS
11ac(HT40)	CH46	5230	41.760	PASS
11ac(HT80)	CH42	5210	84.640	PASS

Test plots as follows:

Band I （5150 – 5250 MHz）

802.11a

Low

Mid

High

802.11n(HT20)

Low

Mid

High

802.11n(HT40)

Low

High

802.11ac(HT20)

Low

Mid

High

802.11ac(HT40)

Low

High

802.11ac(HT80)


ANT 2

Mode	Test channel	Frequency (MHz)	26 dB Bandwidth (MHz)	Verdict
11a	CH36	5180	21.440	PASS
11a	CH40	5200	21.320	PASS
11a	CH48	5240	21.360	PASS
11n(HT20)	CH36	5180	22.560	PASS
11n(HT20)	CH40	5200	22.600	PASS
11n(HT20)	CH48	5240	22.360	PASS
11n(HT40)	CH38	5190	42.000	PASS
11n(HT40)	CH46	5230	42.160	PASS
11ac(HT20)	CH36	5180	22.440	PASS
11ac(HT20)	CH40	5200	22.520	PASS
11ac(HT20)	CH48	5240	22.560	PASS
11ac(HT40)	CH38	5190	41.440	PASS
11ac(HT40)	CH46	5230	42.480	PASS
11ac(HT80)	CH42	5210	84.800	PASS

Test plots as follows:

Band I （5150 – 5250 MHz）

802.11a

Low

Mid

High

802.11n(HT20)

Low

Mid

High

802.11n(HT40)

Low

High

802.11ac(HT20)

Low

Mid

High

802.11ac(HT40)

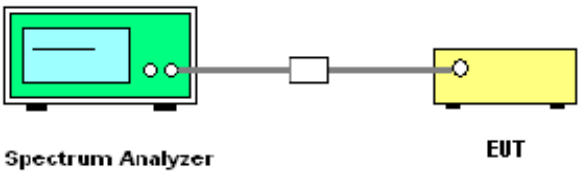
Low

High

802.11ac(HT80)


4.5. POWER SPECTRAL DENSITY

4.5.1. Test Specification

Test Requirement:	FCC Part15 E Section 15.407 (a)
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F
Limit:	≤11.00dBm/MHz for Band I 5150MHz-5250MHz ≤17dBm/MHz for indoor access device
Test Setup:	
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth. 2. Set RBW = 1MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS. 3. Allow the sweeps to continue until the trace stabilizes. 4. Use the peak marker function to determine the maximum amplitude level. 5. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.
Test Result:	PASS

4.5.2. Test Instruments

RF Test Room					
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Date**	**Calibration Due**
Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 09, 2021	Dec. 08, 2022
RF cable	Times	1-40G	HKE-034	Dec. 09, 2021	Dec. 08, 2022
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 09, 2021	Dec. 08, 2022

Note: *The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).*

4.5.3. Test data

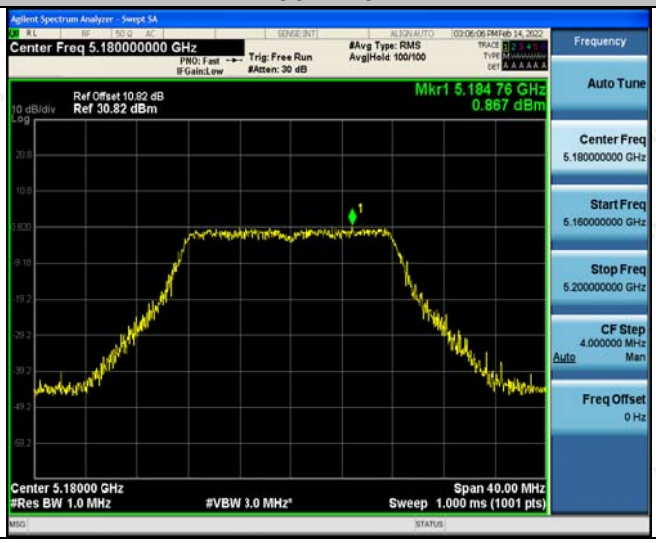
ANT 1

Configuration Band I (5150 - 5250 MHz)

Mode	Test channel	Level [dBm/MHz]	Limit (dBm/MHz)	Result
11a	CH36	0.87	11	PASS
11a	CH40	0.58	11	PASS
11a	CH48	1.01	11	PASS
11n(HT20)	CH36	1.47	11	PASS
11n(HT20)	CH40	1.17	11	PASS
11n(HT20)	CH48	1.04	11	PASS
11n(HT40)	CH38	-1.71	11	PASS
11n(HT40)	CH46	-1.98	11	PASS
11ac(HT20)	CH36	0.02	11	PASS
11ac(HT20)	CH40	1.07	11	PASS
11ac(HT20)	CH48	0.49	11	PASS
11ac(HT40)	CH38	-1.24	11	PASS
11ac(HT40)	CH46	-1.78	11	PASS
11ac(HT80)	CH42	-4.35	11	PASS

Test plots as follows:

Band I （5150 – 5250 MHz）

802.11a

Low

Mid

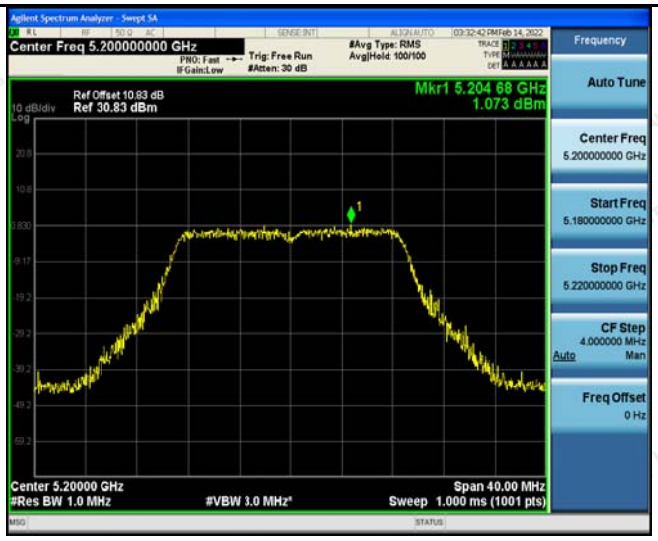
High

802.11n(HT20)
 Low
 Mid
 High

802.11n(HT40)
 Low
 High

802.11ac(HT20)

Low



Mid

High

802.11ac(HT40)
 Low
 High

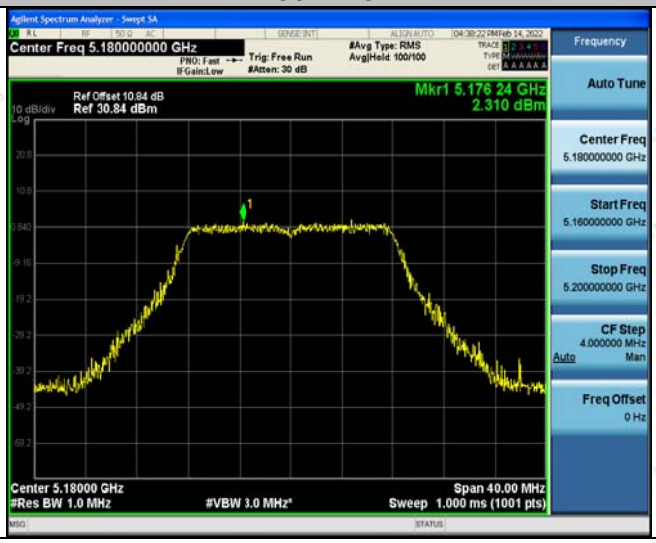
802.11ac(HT80)
 Low

ANT 2

Configuration Band I (5150 - 5250 MHz)

Mode	Test channel	Level [dBm/MHz]	Limit (dBm/MHz)	Result
11a	CH36	2.31	11	PASS
11a	CH40	2.81	11	PASS
11a	CH48	1.65	11	PASS
11n(HT20)	CH36	1.95	11	PASS
11n(HT20)	CH40	1.84	11	PASS
11n(HT20)	CH48	1.56	11	PASS
11n(HT40)	CH38	-0.34	11	PASS
11n(HT40)	CH46	-0.83	11	PASS
11ac(HT20)	CH36	1.82	11	PASS
11ac(HT20)	CH40	2.13	11	PASS
11ac(HT20)	CH48	1.72	11	PASS
11ac(HT40)	CH38	-0.64	11	PASS
11ac(HT40)	CH46	-1.08	11	PASS
11ac(HT80)	CH42	-3.78	11	PASS

Test plots as follows:
Band I （5150 – 5250 MHz）

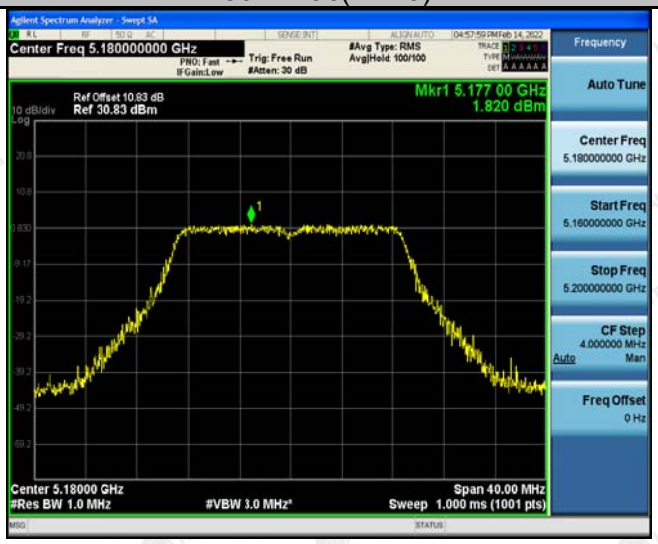
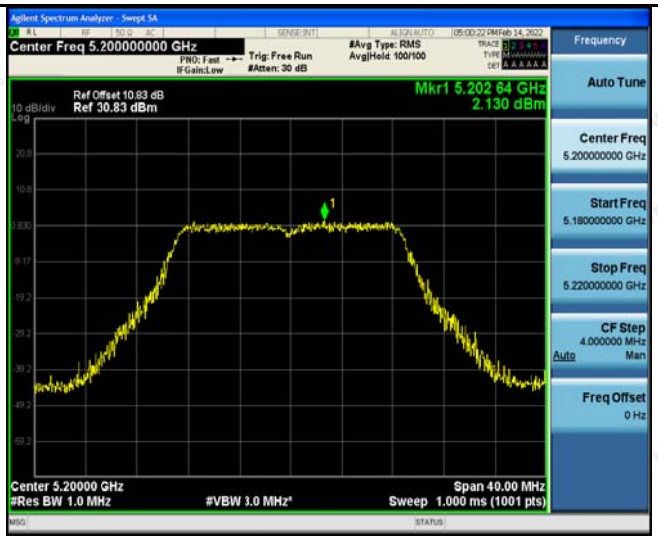
802.11a

Low

Mid

High

802.11n(HT20)
 Low
 Mid
 High

802.11n(HT40)
 Low
 High

802.11ac(HT20)
 Low
 Mid
 High

802.11ac(HT40)
 Low
 High

802.11ac(HT80)
 Low