

Test report no.: Prüfbericht-Nr.:	CN24JE42 002	Order No.: Auftragsnr.:	168478033	Page 1 of 24 Seite 1 von 24	
Client reference no.: Kunden-Referenz-Nr.:	N/A	Order date: Auftragsdatum:	2024-04-10		
Client: Auftraggeber:	Kaonbroadband Co., Ltd. 884-3, Seongnam-daero, Bundang-gu, Seongnam-si, Gyeonggi-do, 13517 Republic of Korea				
Test item: Prüfgegenstand:	Wi-Fi7 Router				
Identification / Type no.: Bezeichnung / Typ-Nr.:	AR2340G, EVO8000AP				
Order content: Auftrags-Inhalt:	Test Report				
Test specification Prüfgrundlage:	CFR47 FCC Part15: Subpart E Section 15.407				
Date of sample receipt: Wareneingangsdatum:	2024-04-15	Please refer to Photo Document			
Test sample no: Prüfmuster-Nr.:	A003564618 001~004 A003691667-001				
Testing period: Prüfzeitraum:	2024-04-15 - 2024-06-05				
Place of testing: Ort der Prüfung:	Refer to section 2.1				
Testing laboratory: Prüflaboratorium:	TÜV Rheinland (Shenzhen) Co., Ltd.				
Test result*: Prüfergebnis*:	Pass				
tested by: geprüft von:			authorized by: genehmigt von:		
Date: 2024-07-08 Datum:	Signed by: Breeze Jiang		Issue date: 2024-07-08 Ausstellungsdatum:	Signed by: Bell Hu	
Position / Stellung:	Expert/Sachverständige(r)		Position / Stellung:	Expert/Sachverständige(r)	
Other: Sonstiges:	FCC ID: 2AXCW-AP8000 This report is for 5GHz Wi-Fi.				
Condition of the test item at delivery: Zustand des Prüfgegenstandes bei Anlieferung:		Test item complete and undamaged Prüfmuster vollständig und unbeschädigt			
* Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested * Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet					
This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark. <i>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</i>					

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Remarks
Anmerkungen

1	The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request. <i>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</i> <i>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i>
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3	Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report. <i>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</i>
4	The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019. <i>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</i>

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 FREQUENCY STABILITY

RESULT: Pass

5.1.5 26dB BANDWIDTH AND 99% BANDWIDTH

RESULT: Pass

5.1.6 6dB BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.8 DYNAMIC FREQUENCY SELECTION (DFS)

RESULT: Pass

5.1.9 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of the Test Set-up

Appendix B: Test Results of 5GHz Wi-Fi

Appendix C: Test Results DFS

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of China

FCC Registration No.: 694916

ISED wireless device testing laboratory: 25069

TÜV Rheinland (Guangdong) Ltd. EMC Laboratory

No.102, 1F of Southwest and No.205, 2F of West Warehouse Building, No.767 Tianyuan

Road, Tianhe District, Guangzhou, Guangdong, P.R.China

FCC Registration No.: CN1207

ISED wireless device testing laboratory: 2932C

Note: Except for AC power-line conducted emissions, all test items performed in TÜV Rheinland (Shenzhen) Co., Ltd.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)				
Equipment	Manufacturer	Model	Serial No.	Cal. Until
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	21.09.2024
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	21.09.2024
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	21.09.2024
DC Power Supply	Keysight	E3642A	MY61276100	21.09.2024
Wireless Connectivity Tester	R&S	CMW270	102505	21.09.2024
Power Control Unit	Tonscend	JS0806-4ADC	N/A	21.09.2024
Automation Control Unit	Tonscend	JS0806-2	21C8060396	21.09.2024
Test Software	Tonscend	JS1120-3	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	Y LX23JMF	N/A
Unwanted Emission Testing (TS9975)				
Equipment	Manufacturer	Model	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR 7	102021	25.07.2024
Signal Analyzer	R&S	FSV 40	101439	25.07.2024
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	25.07.2024
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	25.07.2024
Amplifier	R&S	SCU-18F	180070	25.07.2024
Amplifier	R&S	SCU40A	100475	25.07.2024
Trilog Broadband Antenna (30 MHz – 7 GHz)	Schwarzbeck	VULB 9162	193	06.08.2024
Double-Ridged Antenna (1 - 18 GHz)	ETS-LINDGREN	3117	00218717	06.08.2024
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	27.08.2024
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	06.08.2024
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	22.06.2024

Conducted Emissions				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	Rohde & Schwarz	ESW8	101312	2024-11-16
Artificial Mains Network	Rohde&Schwarz	ESH2-Z5	100114	2025-03-05
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-7}$
RF Power (conducted)	± 2.5 dB
Radiated Emission of Transmitter, valid up to 26.5 GHz	± 6 dB
Radiated Emission of Receiver, valid up to 26.5 GHz	± 6 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB
Temperature	± 1 °C
Humidity	± 5 %
Voltage (DC)	± 1 %
Voltage (AC, <10kHz)	± 2 %

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B& C of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. File for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at **Error! Reference source not found.** is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The Product is Wi-Fi7 Router which supports 2.4GHz Wi-Fi, 5GHzWi-Fi, 6Hz Wi-Fi and BLE functions.
This report is for Wi-Fi 5GHz operation only.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Wi-Fi7 Router
Type Designation:	AR2340G, EVO8000AP(They are electrically identical, only different in model name for market purpose)
FCC ID:	2AXCW-AP8000
Operating Voltage:	DC 12V, 3.33A via AC/DC adapter
Operating Temperature Range:	0 °C ~ +40°C
Adapter:	Model Number: GQ48-120333-HU Input: 100-240V~50/60Hz 1.5A Max Output: DC 12V/3.33A Manufacturer: DONGGUAN GUANGQI ELECTRONIC CO., LTD
Technical Specification of Wi-Fi 802.11 a/n/ac/ax/be	
Operating Frequency:	5180-5320MHz, 5500-5720MHz, 5745-5825MHz
Type of Modulation:	OFDM, OFDMA
Protocol:	802.11 a/n20/n40/ac20/ac40/ac80/ac160/ax20/ax40/ax80/ax160/be20/be40/be80/be160
Data Rate:	6/9/12/18/24/36/48/54 Mbps for 802.11a MCS0~MCS 7 for 802.11n MCS0~MCS9 for 802.11ac MCS0~MCS11 for 802.11ax MCS0~MCS13 for 802.11be (All data rates considered, only the Worst-cases reported)
Equipment type:	Master device (indoor access point)
Antenna Type:	Integral Antennas
Smart Antenna Systems	☒ 802.11a ☐ SISO, ☐ 2*2 CDD, ☐ 3*3 CDD, ☒ 4*4 CDD
	☒ 802.11n ☐ SISO, ☐ 2*2 CDD, ☐ 3*3 CDD, ☒ 4*4 CDD
	☒ 802.11ac ☐ SISO, ☐ 2*2 MIMO, ☐ 3*3 MIMO, ☒ 4*4 MIMO
	☒ 802.11ax ☐ SISO, ☐ 2*2 MIMO, ☐ 3*3 MIMO, ☒ 4*4 MIMO
	☒ 802.11be ☐ SISO, ☐ 2*2 MIMO, ☐ 3*3 MIMO, ☒ 4*4 MIMO
Antenna Gain:	Refer to Table 3 Antenna Details
RU Mode for 802.11ax/be	☒ Full RU, ☒ Partial RU (Single RU, Multi RU, Multi-RU & punctured)

Table 3: Antenna Details for Wi-Fi

Antenna Type	Frequency Band (MHz)	Peak Antenna Gain (dBi)				Beamforming Directional Gain (dBi)	CDD Directional Gain (dBi)	
		Ant 0	Ant 1	Ant 2	Ant 3		For Power	For PSD
Integral Antennas	2400~2500MHz	1.9	1.9	1.9	1.9	7.92	1.9	7.92
	5150~5875MHz	2.0	2.0	2.0	2.0	8.02	2.0	8.02
	5925~7125MHz	2.5	2.5	2.5	2.5	8.52	2.5	8.52

- The device supports CDD Mode and Beamforming mode, details refer to the table as below.
- CDD signals are correlated, the directional gain as follows,
When $N_{ss}=1$, for power measurements: Array Gain = 0 dB for $N_{ANT} \leq 4$, the directional gain = max antenna gain + array gain
For power spectral density (PSD) measurements: the max directional gain = $10 \log [(10^{G1/20} + 10^{G2/20} + \dots + (10^{GN})/20)^2 / N_{ANT}]$
- Beamforming signals are correlated, the directional gain as follows, the max directional gain = $10 \log [(10^{G1/20} + 10^{G2/20} + \dots + (10^{GN})/20)^2 / N_{ANT}]$
- The information as above is from the antenna specifications.

3.3 Applicable Standards

FCC CFR Title 47, Part 15, Subpart 15.407
ANSI C63.10-2013
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
FCC Workshop October 26, 2022, on 802.11be (Wi-Fi 7)

3.4 Independent Operation Modes

The basic operation modes are:

- On, Wi-Fi 802.11 a/n/ac/ax/be wireless transmitting mode
 - Low channel
 - Middle channel
 - High channel
- On, Wi-Fi link

3.5 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.6 Submitted Documents

- Application Form
- Operation Description
- Schematics
- PCB Layout
- User Manual
- Block Diagram
- Rating Label
- Parts List

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.1, all tests were performed on model AR2340G in this report.

Table 4: RF Channel and Frequency of 5GHz Wi-Fi

U-NII-1							
20MHz Bandwidth		40MHz Bandwidth		80MHz Bandwidth		160MHz Bandwidth	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210	50*	5250
40	5200	46	5230				
44	5220						
48	5240						

Channel 50* (Straddle channel (U-NII-1 & U-NII-2A))

U-NII-2A					
20MHz Bandwidth		40MHz Bandwidth		80MHz Bandwidth	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

U-NII-2C							
20MHz Bandwidth		40MHz Bandwidth		80MHz Bandwidth		160MHz Bandwidth	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530	114	5570
104	5520	110	5550	122	5610		
108	5540	118	5590	138*	5690		
112	5560	126	5630				
116	5580	134	5670				
120	5600	142*	5710				
124	5620						
128	5640						
132	5660						
136	5680						
140	5700						
144*	5720						

*Straddle channels 138, 142 and 144 (U-NII-2C and U-NII-3)

U-NII-3					
20MHz Bandwidth		40MHz Bandwidth		80MHz Bandwidth	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Laptop	Lenovo	T14	N/A
Laptop	X260	LENOVO	PC0FF78S

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

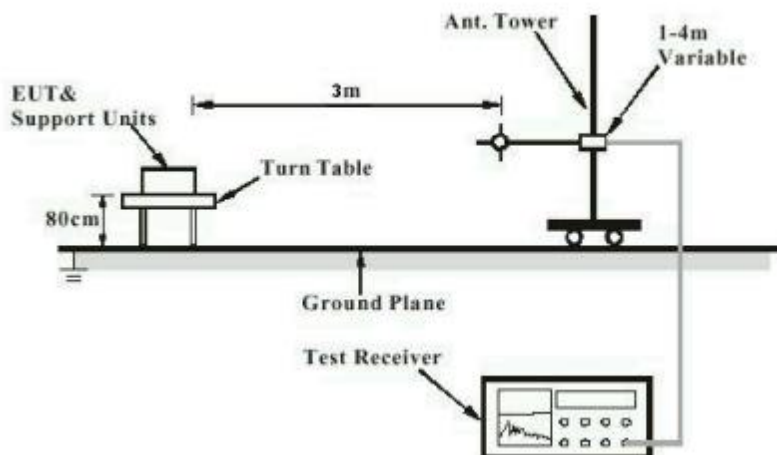


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

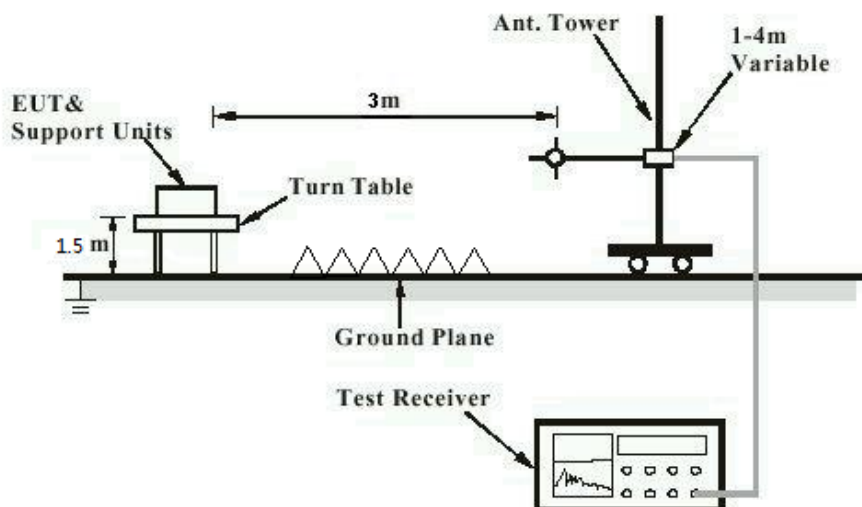


Diagram of Measurement Configuration for Mains Conduction Measurement

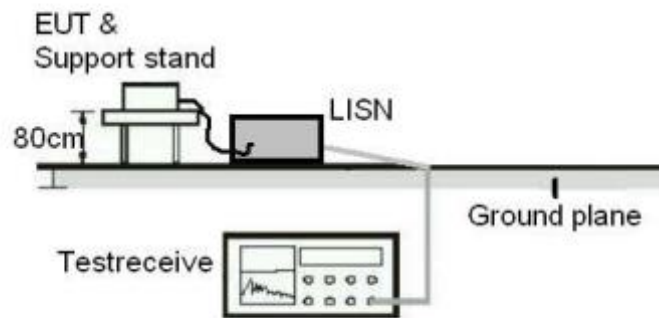


Diagram of Measurement Configuration for Conducted Transmitter Measurement

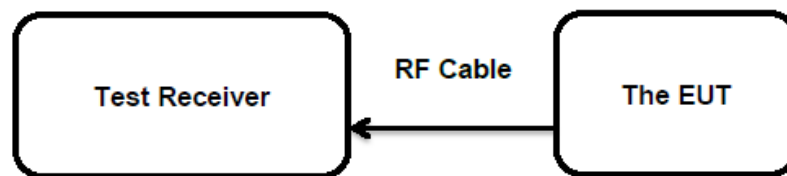
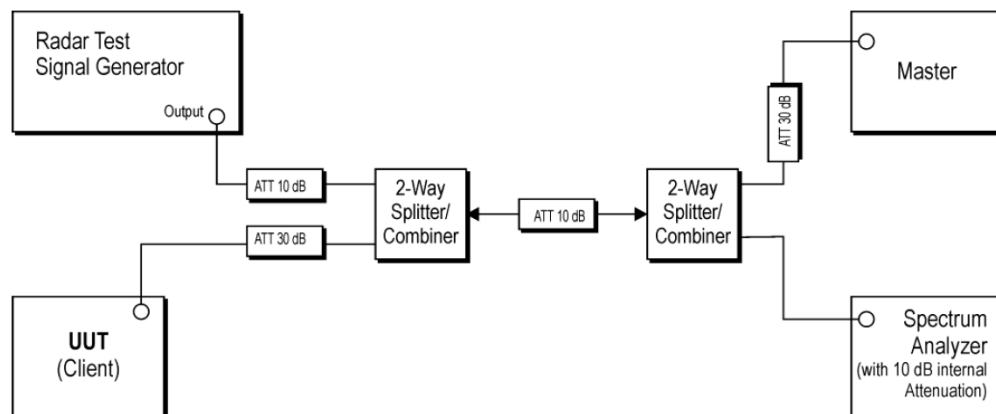


Diagram of Measurement Configuration for Dynamic Frequency Selection (DFS)



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : Part 15.203

The EUT have 4 Integral antennas for 5GHz Wi-Fi. Antenna gain as listed in section 3.2 table 2.
Therefore the EUT is considered sufficient to comply with the provision.
Refer to EUT Photo for further details.

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5.1.2 Maximum Conducted Output Power**RESULT:****Pass****Test Specification**

Test standard : FCC Part 15.407(a)(1)&(2)&(4)
Basic standard : ANSI C63.10: 2013
Limits : <1W (30dBm) (5150-5250MHz) for an indoor access point
 * <250mW (24dBm) (5250-5350MHz, 5470-5725MHz)
 * 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission
 bandwidth in MHz, where is lesser.
 <1W (30dBm) (5725-5850MHz)

Test Setup

Date of testing : 2024-05-23 to 2024-06-02
Input voltage : DC 12V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 24.8 °C
Relative humidity : 55 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

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5.1.3 Conducted Power Spectral Density

RESULT:**Pass****Test Specification**

Test standard	: FCC part 15.407(a)
Basic standard	: ANSI C63.10: 2013 KDB 789033 D02 v01r03
Limits	: <17dBm/MHz (5150-5250MHz) for an indoor access point. <11dBm/MHz (5250-5350MHz, 5470-5725MHz) <30dBm/500KHz (5725-5850MHz)
Date of testing	: 2024-05-23 to 2024-06-02
Input voltage	: DC 12V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

5.1.4 Frequency Stability

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.407(g)
Basic standard	: ANSI C63.10: 2013
Limits	: Within assigned bands
Kind of test site	: Shielded Room

Date of testing	: 2024-05-23 to 2024-06-02
Input voltage	: DC 12V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

As declared, the device will be maintained within assigned bands under all conditions of normal operation as Specified.

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5.1.5 26dB Bandwidth and 99% Bandwidth**RESULT:****Pass****Test Specification**

Test standard : FCC Part 15.407(e)
Basic standard : ANSI C63.10: 2013
Limits : N/A
Kind of test site : Shielded Room

Test Setup

Date of testing : 2024-05-23 to 2024-06-02
Input voltage : DC 12V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 24.8 °C
Relative humidity : 55 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

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5.1.6 6dB Bandwidth**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.407(e)
Basic standard	: ANSI C63.10: 2013
Limits	: At least 500KHz (5725-5850MHz)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-05-23 to 2024-06-02
Input voltage	: DC 12V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

5.1.7 Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.407(b) & FCC Part 15.205 & FCC Part 15.209
Basic standard	: ANSI C63.10: 2013 KDB 789033 D02 v01r03
Limits	: • For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. • For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. • For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. Emissions outside the band 5470-5600 MHz and 5650-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p. • For transmitters operating in the 5.725-5.85 GHz band: 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. Restricted Bands meet the requirement of 15.209 limit and RSS-GEN

Test Setup

Date of testing	: 2024-05-23 to 2024-06-02
Input voltage	: DC 12V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst-case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix B.

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5.1.8 Dynamic Frequency Selection (DFS)

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.407(h)
Basic standard	: ANSI C63.10: 2013
Limits	: 5250-5350MHz, 5470-5725MHz FCC Part 15.407(h)(2)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-05-23 to 2024-06-02
Input voltage	: DC 12V
Operation mode	: B
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix C.

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5.1.9 Conducted Emission on AC Mains

RESULT:**N/A****Test Specification**

Test standard	: FCC Part 15.207(a)
	: RSS-Gen Clause 8.8
Basic standard	: ANSI C63.10: 2013
Frequency range	: 0.15 – 30MHz
Limits	: FCC Part 15.207(a)
	: RSS-Gen Table 4
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-05-23
Input voltage	: 120V/60Hz
Operation mode	: B
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

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