

Test Report No:
2520368R-RFUSV03S-D

Test Result for Inspection (Class II Permissive Change)

Product Name	C6490
Brand Name	RuggON
Model No.	C6490-U8A
FCC ID	2ABTU-C6490
Applicant's Name / Address	RuggON Corporation 4F, No. 298, Yang Guang St., NeiHu Dist., Taipei City, Taiwan
Manufacturer's Name	RuggON Corporation
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart E Section 15.407 ANSI C63.10: 2013
Verdict Summary	IN COMPLIANCE
Documented By Genie Chang	<i>Genie Chang</i>
Tested by Ivan Chuang	<i>Ivan Chuang</i>
Approved by Steven Tsai	<i>Steven Tsai</i>
Date of Receipt	2025/02/14
Date of Issue	2025/05/20
Report Version	V1.0

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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	2025/05/20

Permissive Change

Report No.	Version	Description	Issued Date
2520368R-RFUSV03S-D	V1.0	This is to request a Class II permissive change. The major change filed under this application is: Change #1: Addition of a new antenna type. Change #2: Addition of a new platform. (Ruggon / MT7050)	2025/05/20

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	Maximum E.I.R.P. Power	PASS	-
4	Transmitter Radiated Spurious Emission	PASS	-
	Contention-Based Protocol	PASS	-

Comments and Explanations

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1. General Information

1.1. EUT Description

Frequency Range	5925 ~ 7125 MHz	
Operating Frequency / Channel Number	IEEE 802.11a/ax (20 MHz)	5955 ~ 7115MHz / 59 Channels
	IEEE 802.11ax (40 MHz)	5965 ~ 7085MHz / 29 Channels
	IEEE 802.11ax (80 MHz)	5985 ~ 7025MHz / 14 Channels
	IEEE 802.11ax (160 MHz)	6025 ~ 6985MHz / 7 Channels
Type of Modulation	IEEE 802.11a	OFDM-BPSK, QPSK, 16QAM, 64QAM
	IEEE 802.11ax	OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM

Accessories Information		
No.	Equipment Name	Description
1	Power Cord	Non-shielded, 2.1m

Antenna Information					
Item	Brand Name	Model No.	Type	Antenna Gain (dBi)	
1	AWAN	ALP6Y-100011(Main)	PIFA	U-NII 5	2.02
				U-NII 6	1.96
				U-NII 7	1.48
				U-NII 8	0.93
		ALP6Y-100012(Aux)		U-NII 5	1.95
				U-NII 6	1.96
				U-NII 7	1.96
				U-NII 8	1.96

Note:

1. Only the higher gain antenna was tested and recorded in this report.
2. The antenna of EUT conforms to FCC 15.203.
3. For IEEE 802.11a/ax Mode: (2TX, 2RX)

1.2. EUT Information

EUT Power Type	From Host system (Battery / DC Power)			
Resource Unit of 802.11ax	☐	Full RU	☒	Partial RU

1.3. Testing Location Information

USA	FCC Designation Number: TW0033
Canada	CAB Identifier Number: TW3023 / Company Number: 26930

Site Description	Accredited by TAF
	Accredited Number: 3023

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
	Linkou Laboratory
Address	No. 85, Wenlin St., Linkou Dist., New Taipei City 244017, Taiwan, R.O.C.
Performed Location	No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C.
Phone Number	+886-3-275-7255
Fax Number	+886-3-327-8031

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual	Test Date
Radiated Emission	Temperature (°C)	10~40 °C	22.1 °C	2025/03/12~2025/05/07
	Humidity (%RH)	10~90 %	60.7 %	
RF Conducted Emission	Temperature (°C)	10~40 °C	26.8 °C	2025/02/21~2025/05/16
	Humidity (%RH)	10~90 %	50.2 %	

1.4. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test Item	Uncertainty
Maximum E.I.R.P. Power	Spectrum Analyzer: ± 2.14 dB Power Meter: ± 1.05 dB
Transmitter Radiated Spurious Emission	9 kHz~30 MHz: ± 3.30 dB 30 MHz~1 GHz: ± 4.79 dB 1 GHz~18 GHz: ± 4.17 dB 18 GHz~40 GHz: ± 3.32 dB
Contention Based Protocol	± 1.07 dB
Duty Cycle	± 0.51 %

1.5. List of Test Equipment

For Conducted Measurements / HY-SR02

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	Spectrum Analyzer	R&S	FSV30	103466	2024/12/18	2025/12/17
V	Spectrum Analyzer	KEYSIGHT	N9010A	MY53470892	2024/10/30	2025/10/29
V	Peak Power Analyzer	KEYSIGHT	8990B	MY51000539	2025/05/05	2026/05/04
V	Wideband Power Sensor	KEYSIGHT	N1923A	MY59240002	2025/05/07	2026/05/06
V	Wideband Power Sensor	KEYSIGHT	N1923A	MY59240003	2025/05/07	2026/05/06
V	Spectrum Analyzer	KEYSIGHT	N9010A	MY55150401	2024/09/13	2025/09/12
V	Signal Generator	Agilent	N5182B	MY53050685	2024/07/27	2025/07/26

Note:

1. All equipment is calibrated every year.
2. The test instruments marked with "V" are used to measure the final test results.
3. Test Software Version : DTC_RF_Tool_Release V100

For Radiated Measurements /HY-CB02

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
V	Loop Antenna	TESEQ	HLA6121	49611	2025/02/18	2026/02/17
V	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-0675	2023/08/09	2025/08/08
V	Horn Antenna	RF SPIN	DRH18-E	210503A18ES	2024/02/29	2026/02/28
V	Horn Antenna	Com-Power	AH-840	101101	2023/12/04	2025/12/03
V	Pre-Amplifier	SGH	SGH0301	20230308-1	2025/02/06	2026/02/05
V	Pre-Amplifier	SGH	SGH118-HS	20211102-1	2025/01/10	2026/01/09
V	Pre-Amplifier	EMCI	EMC05820SE	980285	2025/01/10	2026/01/09
	Pre-Amplifier	MICZEN	MZLNA1850GAC40	WB0103001	2025/01/10	2026/01/09
V	Pre-Amplifier	EMCI	EMC184045SE	980369	2025/01/10	2026/01/09
V	Coaxial Cable	EMCI	EMC102-KM-KM-600	1160311	2025/01/10	2026/01/09
V	Coaxial Cable	EMCI	EMC102-KM-KM-7000	170242	2025/01/10	2026/01/09
	Filter	MICRO TRONICS	BRM20887	G002	2025/01/05	2026/01/04
	Filter	MICRO TRONICS	BRM50716	G067	2025/01/05	2026/01/04
	WIFI 6E Filter	MVE.	MFN-5850.5895.S1	A80006N	2025/01/05	2026/01/04
V	WIFI 6E Filter	Marvelous Microwave Inc.	MFN-5925.7125.S1	C50002N	2025/01/05	2026/01/04
V	EMI Test Receiver	R&S	ESR3	102793	2024/12/06	2025/12/05
V	Spectrum Analyzer	R&S	FSV3044	101113	2025/01/22	2026/01/21
V	Coaxial Cable	SGH	HA800	GD20110223-2	2025/01/10	2026/01/09
V	Coaxial Cable	SGH	HA800	GD20110222-4	2025/01/10	2026/01/09
V	Coaxial Cable	SGH	SGH18	202108-5	2025/01/10	2026/01/09
V	Coaxial Cable	SGH	SGH18	202212-2	2025/01/10	2026/01/09

Note:

1. Bi-Log Antenna and Horn Antenna(AH-840) and RF SPIN are calibrated every two years, the other equipment is calibrated every year.
2. The test instruments marked with "V" are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition	
Testing Voltage	DC 12 V by DC power supply

2.2. Test Frequency Mode

Test Software Version	QRCT / Version 4.0.211.0
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Modulation	Frequency (MHz)	Power Setting
802.11a (20 MHz)	5955	1.5
	6175	2
	6415	1.5
	6435	-2
	6475	-0.5
	6515	-0.5
	6535	0
	6695	1
	6855	1.5
	6875	1.5
	6895	1.5
	6995	1.5
	7115	1.5

Modulation	Frequency (MHz)	RU Config	Power Setting
802.11ax (20 MHz)	5955	26/0	-8.5
		52/37	-5.5
		106/53	-3
		242/61	0.5
	6175	26/0	-9.5
		52/37	-7.5
		106/53	-5.5
		242/61	0.5
	6415	26/0	-8
		52/37	-6.5
		106/53	-4
		242/61	1
	6435	26/0	-10
		52/37	-8.5
		106/53	-8
		242/61	1
	6475	26/0	-9.5
		52/37	-7.5
		106/53	-5
		242/61	-0.5
	6515	26/0	-9
		52/37	-7
		106/53	6
		242/61	0.5
	6535	26/0	-8
		52/37	-5
		106/53	-3
		242/61	0.5
	6695	26/0	-8
		52/37	-5
		106/53	-3
		242/61	0.5
	6855	26/0	-8
		52/37	-5
		106/53	-3
		242/61	0.5
	6875	26/0	-9
		52/37	-9
		106/53	-9
		242/61	0.5
	6895	26/0	-9.5
		52/37	-9.5
		106/53	-9.5
		242/61	0
	6995	26/0	-9.5
		52/37	-9.5
		106/53	-9.5
		242/61	0
	7115	26/0	-17.5
		52/37	-14.5
		106/53	-12.5
		242/61	-12

Modulation	Frequency (MHz)	RU Config	Power Setting
802.11ax (40 MHz)	5965	26-0	-9
		52-37	-7
		106-53	-3
		242-61	-0.5
		484-65	2.5
	6165	26-0	-9
		52-37	-6.5
		106-53	-4
		242-61	-1
		484-65	2.5
	6405	26/0	-7.5
		52/37	-4.5
		106/53	-1.5
		242/61	-0.5
		484/65	5
	6445	26-0	-8
		52-37	-5
		106-53	-2
		242-61	1
		484-65	3.5
	6485	26/0	-8
		52/37	-5
		106/53	-2
		242/61	1
		484/65	3.5
	6525	26/0	-8
		52/37	-5
		106/53	-2
		242/61	1
		484/65	3.5
	6565	26/0	-8.5
		52/37	-6
		106/53	-3
		242/61	-0.5
		484/65	2.5
	6685	26/0	-8.5
		52/37	-5.5
		106/53	-3
		242/61	-0.5
		484/65	3.5
	6845	26/0	-8
		52/37	-5
		106/53	-3
		242/61	-0.5
		484/65	4
	6885	26-0	-8.5
		52-37	-6.5
		106-53	-3.5
		242-61	-1.5
		484-65	4

Modulation	Frequency (MHz)	RU Config	Power Setting
802.11ax (40 MHz)	6925	26/0	-9
		52/37	-7
		106/53	-4.5
		242/61	-1.5
		484/65	3.5
	6965	26/0	-9.5
		52/37	-7.5
		106/53	-4.5
		242/61	-1.5
		484/65	3
	7085	26/0	-9
		52/37	-7.5
		106/53	-4.5
		242/61	-1.5
		484/65	3

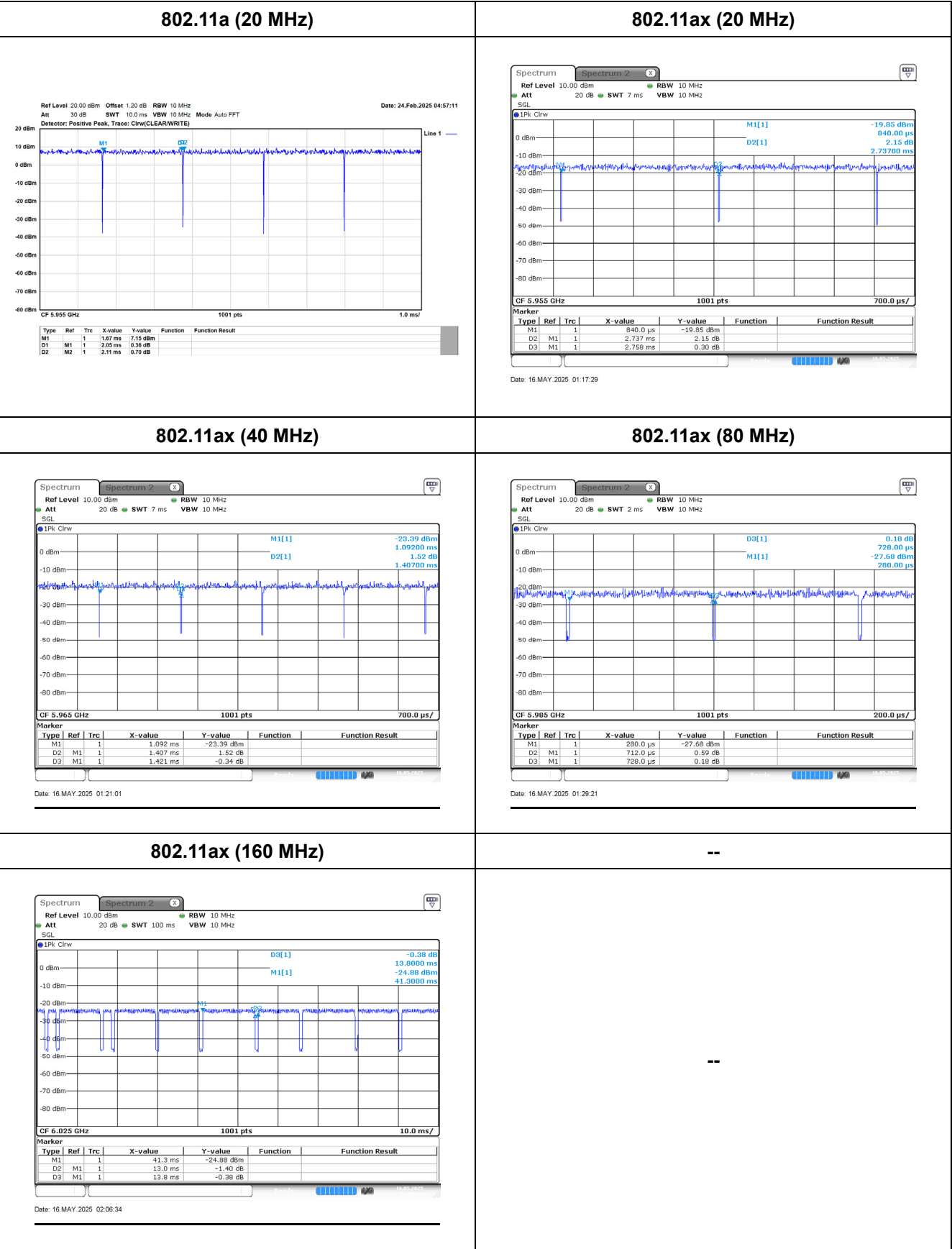
Modulation	Frequency (MHz)	RU Config	Power Setting
802.11ax (80 MHz)	5985	26/0	-9.5
		52/37	-6
		106/53	-4
		242/61	-1
		484/65	0
		996/67	6
	6145	26/0	-9.5
		52/37	-6
		106/53	-4
		242/61	-1
		484/65	-0.5
		996/67	6
	6385	26/0	-9.5
		52/37	-6
		106/53	-4
		242/61	-1
		484/65	0
		996/67	6
	6465	26/0	-9
		52/37	-6
		106/53	-3
		242/61	0
		484/65	2.5
		996/67	6
	6545	26/0	-9.5
		52/37	-6
		106/53	-3
		242/61	0
		484/65	2.5
		996/67	6
	6625	26/0	-9.5
		52/37	-6.5
		106/53	-4
		242/61	-1
		484/65	2
		996/67	5.5
	6705	26/0	-9.5
		52/37	-6.5
		106/53	-4
		242/61	-0.5
		484/65	2
		996/67	5.5
	6785	26/0	-9.5
		52/37	-6
		106/53	-3.5
		242/61	-0.5
		484/65	2.5
		996/67	6

Modulation	Frequency (MHz)	RU Config	Power Setting
802.11ax (80 MHz)	6865	26/0	-9
		52/37	-6
		106/53	-3
		242/61	0
		484/65	2.5
		996/67	6
	6945	26-0	-10.5
		52-37	-9
		106-53	-7
		242-61	-4
		484-65	-1.5
		996-67	6
	7025	26-0	-10.5
		52-37	-8.5
		106-53	-7
		242-61	-3.5
		484-65	-1.5
		996-67	6

Modulation	Frequency (MHz)	RU Config	Power Setting
802.11ax (160 MHz)	6025	26/0	-11
		52/37	-8
		106/53	-5
		242/61	-2
		484/65	0.5
		996/67	3.5
		2x996/68	7
	6185	26/0	-13
		52/37	-10
		106/53	-7
		242/61	-4.5
		484/65	-1.5
		996/67	1
		2x996/68	5.5
	6345	26/0	-12.5
		52/37	-10
		106/53	-7
		242/61	-4
		484/65	-1
		996/67	2
		2x996/68	6.5
	6505	26/0	-14
		52/37	-11.5
		106/53	-9
		242/61	-6
		484/65	-3
		996/67	-0.5
		2x996/68	4
	6665	26/0	-12
		52/37	-9.5
		106/53	-6.5
		242/61	-3.5
		484/65	-0.5
		996/67	2.5
		2x996/68	6
	6825	26/0	-14.5
		52/37	-12
		106/53	-9
		242/61	-6
		484/65	-3
		996/67	-0.5
		2x996/68	2.5
	6985	26/0	-13.5
		52/37	-10.5
		106/53	-7.5
		242/61	-5
		484/65	-2
		996/67	0
		2x996/68	4.5

2.3. Duty Cycle

Modulation	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11a (20 MHz)	2.0500	2.1100	97.16	0.13	500
802.11ax (20 MHz)	2.7370	2.7580	99.24	0.03	10
802.11ax (40 MHz)	1.4070	1.4210	99.01	0.04	10
802.11ax (80 MHz)	0.7120	0.7280	97.80	0.10	2000
802.11ax (160 MHz)	13.0000	13.8000	94.20	0.26	100



2.4. Measurement Configuration

Test Mode	Mode 1 (Transmit)	802.11a
		802.11ax (20 MHz)_Partial RU
		802.11ax (40 MHz)_Partial RU
		802.11ax (80 MHz)_Partial RU
		802.11ax (160 MHz)_Partial RU
	Mode 2 (Normal)	

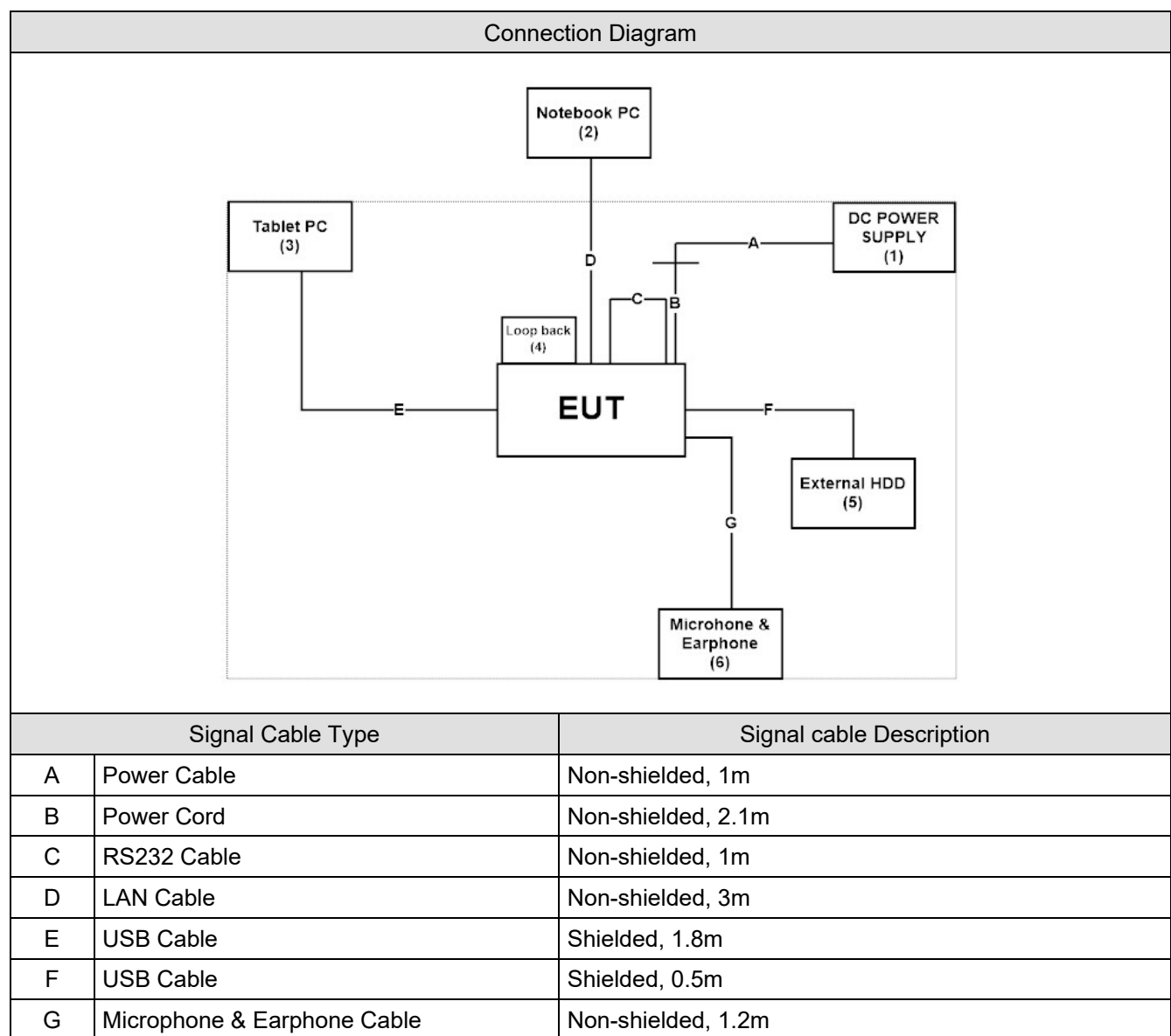
Note:

1. Determining compliance shall be based on the results of the compliance measurement, without taking measurement instrumentation uncertainty into account.
2. For radiated emissions below 1 GHz, all modes of operation were investigated, and the worst-case emissions are reported.
3. The radiation measurements are performed in the X, Y, and Z axis positions. Only the worst case is shown in the report.
4. The lowest data rates are tested in each mode. Only the worst case is shown in the report.
(802.11a is 6 Mbps, 802.11ax is MCS0)

2.5. Tested System Details

No.	Equipment	Brand Name	Model No.	Serial No.	Power Cord
1	DC POWER SUPPLY	KEYSIGHT	E36234A	MY59001234	Non-shielded, 1.8m
2	Notebook PC	Lenovo	TP00067C	PF-0EW0C3	N/A
3	Tablet PC	Lenovo	L13	N/A	N/A
4	Loop back	N/A	N/A	N/A	N/A
5	External HDD	Transcend	TS1TSJ25H3B	F21786-0005	N/A
6	Microphone & Earphone	Verbatim	C09024VB	N/A	N/A

2.6. Configuration of tested System

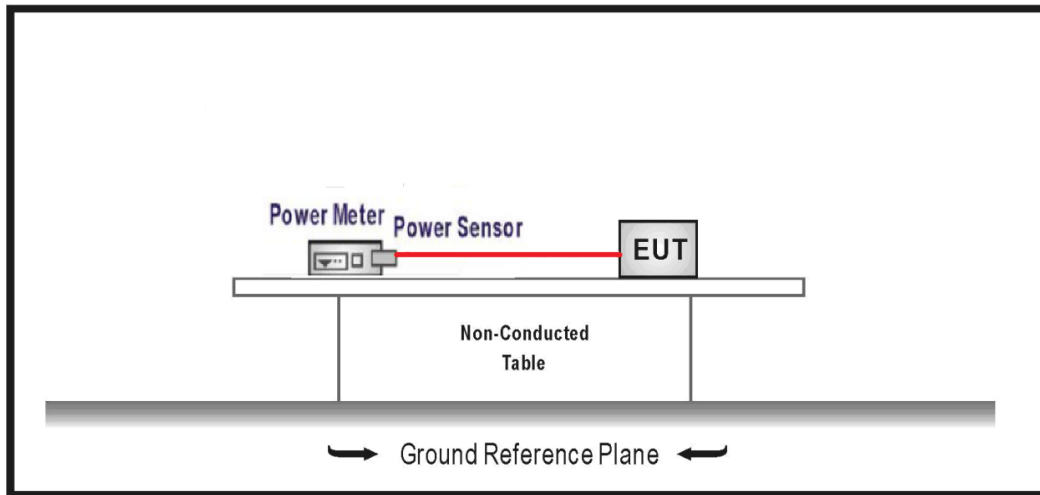


2.7. EUT Operating Procedures

1	Setup the EUT as shown in Section 2.6.
2	Execute software "QRCT / Version 4.0.211.0" on the Tablet PC.
3	Configure the test mode, the test channel, and the data rate.
4	Verify that the EUT works properly.

3. Maximum E.I.R.P. Power

3.1. Test Setup



3.2. Test Limit

1. For the 5.925 ~ 6.425 GHz band:

For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).

For indoor access point : e.i.r.p < 30 dBm.

For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.

For client device control of a standard power access point : e.i.r.p < 30 dBm.

For client device control of an indoor access point : e.i.r.p < 24 dBm.

2. For the 6.425 ~ 6.525 GHz band:

For indoor access point : e.i.r.p < 30 dBm.

For client device control of an indoor access point : e.i.r.p < 24 dBm.

3. For the 6.525 ~ 6.875 GHz band:

For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).

For indoor access point : e.i.r.p < 30 dBm.

For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.

For client device control of a standard power access point : e.i.r.p < 30 dBm.

For client device control of an indoor access point : e.i.r.p < 24 dBm.

4. For the 6.87 ~ 7.125 GHz band:

For indoor access point : e.i.r.p < 30 dBm.

For client device control of an indoor access point : e.i.r.p < 24 dBm.

3.3. Test Procedure

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB Publication 789033.

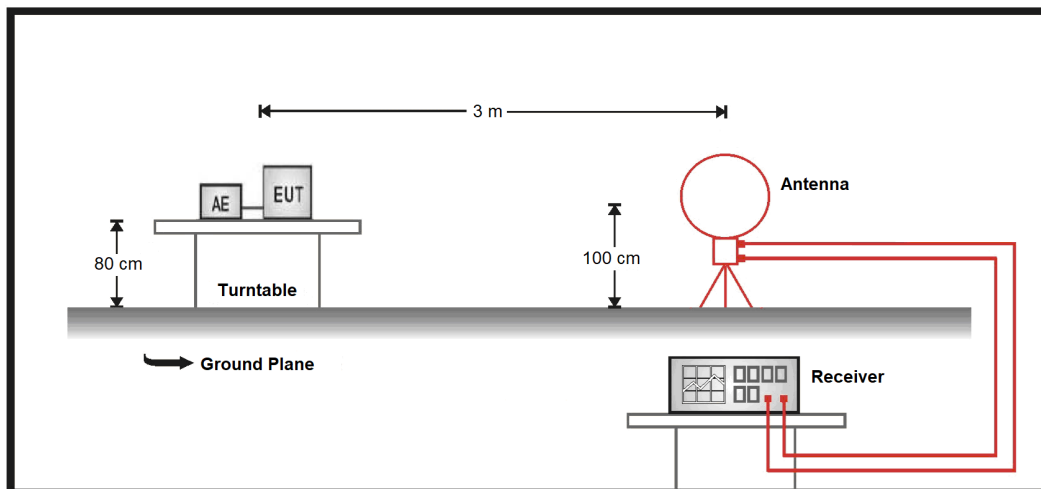
3.4. Test Result of Maximum E.I.R.P. Power

Refer as Appendix A

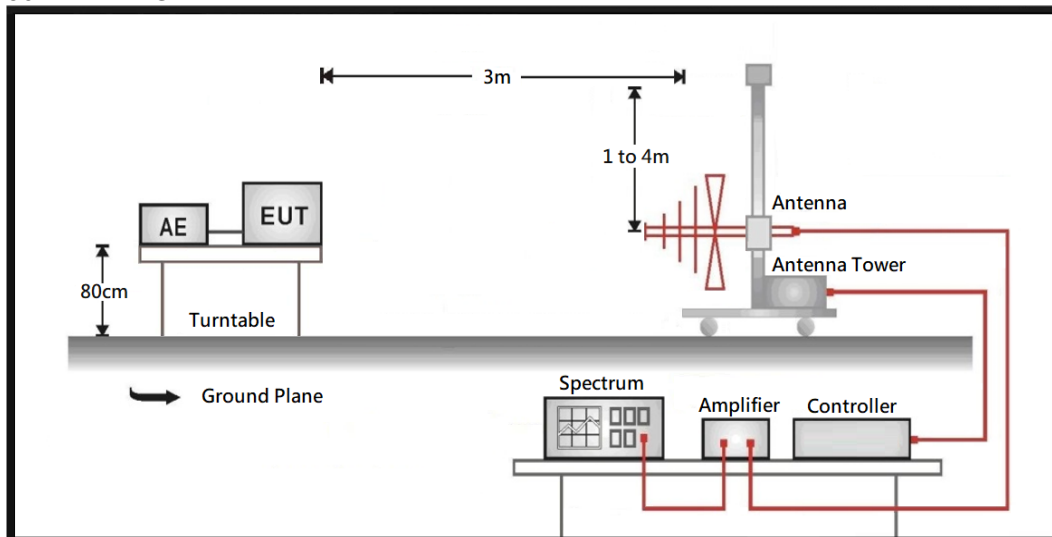
4. Transmitter Radiated Spurious Emission

4.1. Test Setup

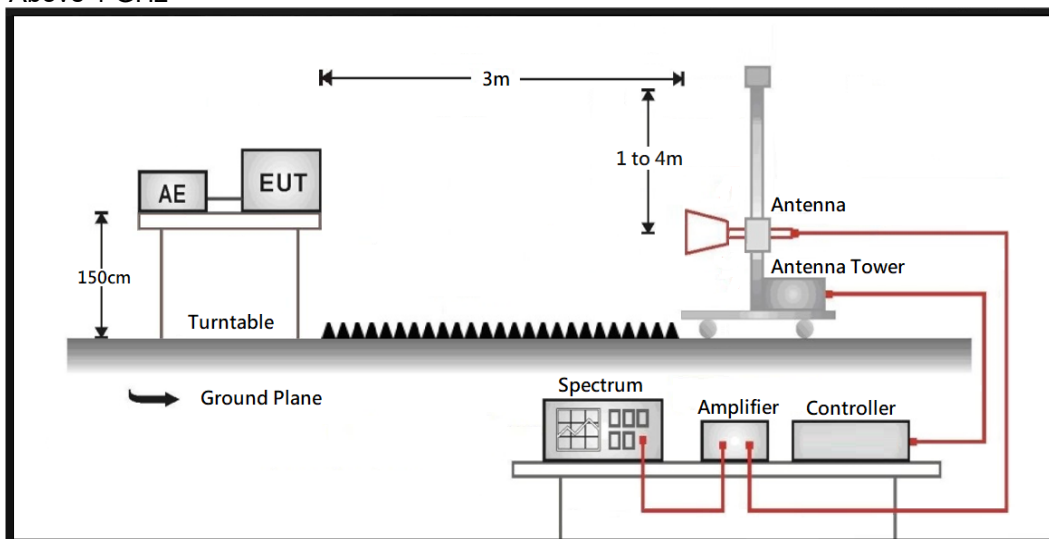
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



4.2. Test Limit

General Radiated Emission Test Limit

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limit specified in Section 15.209:

Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009 – 0.490	2400/F(kHz)	20 log (2400/F(kHz))	300
0.490 – 1.705	24000/F(kHz)	20 log (24000/F(kHz))	30
1.705 - 30	30	29.5	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

1. Field strength (dBμV/m) = 20 log Field strength (μV/m)
2. In the Above Table, the tighter limit applies at the band edges.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

Unwanted Emission out of the restricted bands Test Limit

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength (dBμV/m@3m)
5925 MHz - 7125 MHz	Peak: -7	88.2
	Average: -27	68.2

Remark:

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

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

4.3. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

The additional latch filter below 1 GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement.

The bandwidth below 1 GHz setting on the field strength meter is 120 kHz, above 1 GHz are 1 MHz.

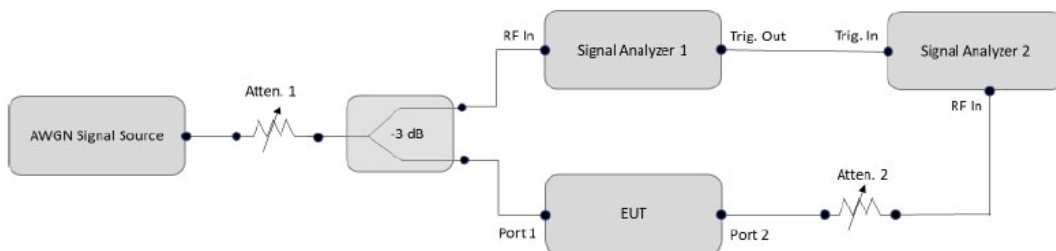
The frequency range from 30 MHz to 10th harmonics and included The frequency range from the lowest oscillator frequency generated within the device up to the 10th harmonic was checked is checked.

4.4. Test Result of Transmitter Radiated Spurious Emission

Refer as Appendix B

5. Contention Based Protocol

5.1. Test Setup



5.2. Test Limit

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm (The threshold is referenced to a 0dBi antenna gain.) or lower. Additionally, indoor low-power devices must detect co-channel energy with 90% or greater certainty.

5.3. Test Procedure

1. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
2. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters.
3. Determine number of times detection threshold test as following table,

Test Items	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Same as EUT transmission
$BW_{Inc} < BW_{EUT} \leq 2 \times BW_{Inc}$	Once	Contained within BWEUT
$2 \times BW_{Inc} < BW_{EUT} \leq 4 \times BW_{Inc}$	Twice. (Incumbent transmission is contained within BWEUT)	Closely to the lower edge and upper edge of the EUT Channel
$BW_{EUT} > 4 \times BW_{Inc}$	Three times	Closely to the lower edge ,in the middle and upper edge of the EUT Channel

4. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal.
5. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT.
6. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
7. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
8. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
9. Refer to step 3 table to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 1, choose a different center frequency for the AWGN signal and repeat the process.

5.4. Test Result of Contention Based Protocol

Refer as Appendix C