

FCC Radio Test Report

FCC ID: 2AIMRRD28

Report No. Equipment Test Model Series Model Brand Name Applicant Address Manufacturer Address Factory Address	 eLab-FCCP-1-2312C046 Xiaomi Mesh System AX3000 NE RD28 N/A N/A Beijing Xiaomi Electronics Co., Ltd. Room 802, Floor 8, Building 5, No.15 KeChuang 10th Road, Beijing Economic and Technological Development Zone, Beijing City, China Beijing Xiaomi Electronics Co., Ltd. Room 802, Floor 8, Building 5, No.15 KeChuang 10th Road, Beijing Economic and Technological Development Zone, Beijing City, China Beijing Xiaomi Electronics Co., Ltd. Room 802, Floor 8, Building 5, No.15 KeChuang 10th Road, Beijing Economic and Technological Development Zone, Beijing City, China AZROAD (Zhongshan) Technology Company Limited Builaing 2, No. 39 Jinchang Industrial Road, West District, Zhongshan City, Guangdong Province
Radio Function	: WLAN 2.4 GHz
FCC Rule Part(s) Measurement Procedure(s)	: FCC CFR Title 47, Part 15, Subpart C (15.247) : ANSI C63.10-2013
Date of Receipt Date of Test Issued Date	: 2024/3/5 : 2024/3/29 ~ 2024/4/24 : 2024/5/11

The above equipment has been tested and found in compliance with the requirement of the above standards by eLab Inc.

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Declaration

eLab represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

eLab's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **eLab** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **eLab** issued reports.

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eLab's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

eLab is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.



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REVISION HISTORY								
Report No.	Version	Description	Issued Date N	ote				
eLab-FCCP-1-2312C046	R00	Original Report.	2024/5/11 Va	alid				
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SUMMARY OF TEST RESULTS 1

Test procedures according to the technical standards.

Standard(s) Section	Description	Result	Remark
15.207	AC Power Line Conducted Emissions	Pass	
15.205 15.209 15.247(d)	Radiated Emissions	Pass	
15.247(a)	Bandwidth	Pass	
15.247(b)	Output Power	Pass	
15.247(e)	Power Spectral Density	Pass	
15.247(d)	Antenna conducted Spurious Emission	Pass	
15.203	Antenna Requirement	Pass	

NOTE:

"N/A" denotes test is not applicable in this Test Report.
 The report format version is FR15CWL2.4_V1.0



1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

No.64, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City

The test sites and facilities are covered under FCC RN 681248 and DN: TW4045. \boxtimes C01 \boxtimes CB01 \boxtimes TR01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expanded uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k} = 2$, providing a level of confidence of approximately **95** %. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The eLab measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U (dB)
C01	CISPR	150 kHz ~ 30MHz	3.44

B. Radiated emissions test :

Test Site	Measurement Frequency Range	U,(dB)
	0.03 GHz ~ 0.2 GHz	4.01
	0.2 GHz ~ 1 GHz	4.64
CB01	1 GHz ~ 6 GHz	5.91
CBUT	6 GHz ~ 18 GHz	6.24
	18 GHz ~ 26 GHz	3.93
	26 GHz ~ 40 GHz	4.06

C. Conducted test :

Test Item	<i>U</i> ,(dB)
Occupied Bandwidth	1.0502
Output power	1.0406
Conducted Spurious emissions	1.20
Conducted Band edges	1.0518
Power Spectral Density	1.20
Occupied Bandwidth	1.0502
Output power	1.0406

NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

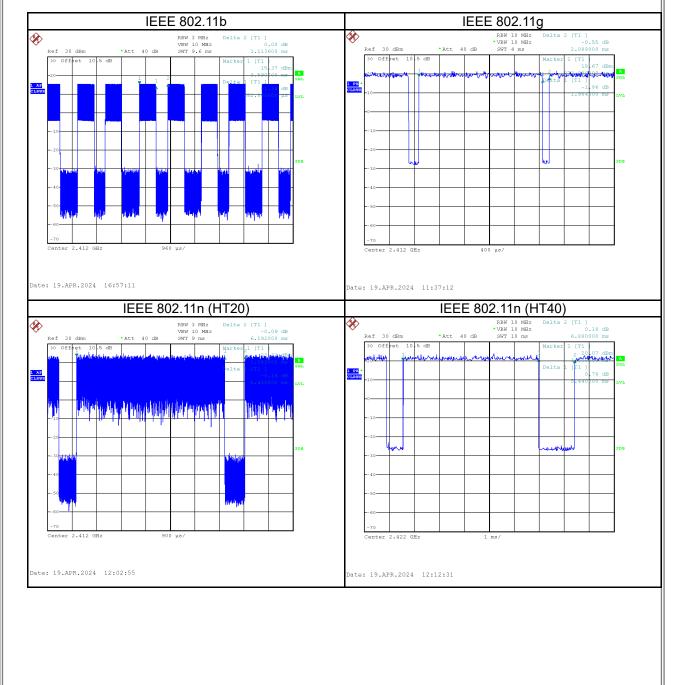
Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	25°C, 45%	AC 120V	Ken Hsieh
Radiated emissions below 1 GHz	Refer to data	AC 120V	Ken Hsieh
Radiated emissions above 1 GHz	Refer to data	AC 120V	Ken Hsieh
Bandwidth	24°C, 50%	AC 120V	Cheng Tsai
Output Power	24°C, 50%	AC 120V	Cheng Tsai
Power Spectral Density	24°C, 50%	AC 120V	Cheng Tsai
Antenna conducted Spurious Emission	24°C, 50%	AC 120V	Cheng Tsai



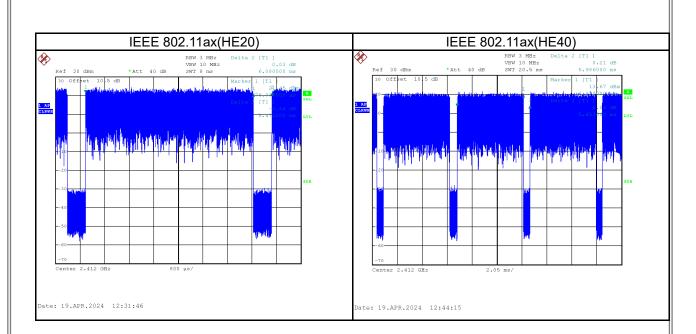
1.4 DUTY CYCLE

If duty cycle is \geq 98 %, duty factor is not required. If duty cycle is < 98 %, duty factor shall be considered.

Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
IEEE 802.11b	0.652	1	0.652	1.110	58.74%	2.31
IEEE 802.11g	1.984	1	1.984	2.088	95.02%	0.22
IEEE 802.11n (HT20)	5.436	1	5.436	6.192	87.79%	0.57
IEEE 802.11n (HT40)	5.440	1	5.440	6.880	79.07%	1.02
IEEE 802.11ax (HE20)	5.472	1	5.472	6.080	90.00%	0.46
IEEE 802.11ax (HE40)	5.453	1	5.453	5.986	91.10%	0.41









2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Xiaomi Mesh System AX3000 NE			
Test Model	RD28			
Series Model	N/A			
Model Difference(s)	N/A			
Brand Name	xiaomi			
Serial Number	N/A			
Power Source	DC voltage supplied from AC adapter.			
Power Rating	I/P: 100-240V~ 50/60Hz 0.5A O/P: 12.0V === 1.0A			
Operation Band	2400 MHz ~ 2483.5 MHz			
Operation Frequency	2412 MHz ~ 2462 MHz			
Modulation Technology	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax: OFDMA			
Transfer Rate	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ax: up to 573.6 Mbps			
Output Power (Max).	IEEE 802.11b: 26.88 dBm IEEE 802.11g: 23.74 dBm IEEE 802.11n (HT20): 23.77 dBm IEEE 802.11n (HT40): 23.37 dBm IEEE 802.11ax (HE20): 23.47 dBm IEEE 802.11ax (HE40): 22.97 dBm			

NOTE:

(1) The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

(2) Channel List:

<u> </u>										
	CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (HT20), IEEE 802.11ax (HE20)									
	CH03 – CH09 for IEEE 802.11n (HT40), IEEE 802.11ax (HE40)									
ChannelFrequency (MHz)ChannelFrequency (MHz)Frequency (MHz)Frequency (MHz)										
	01	2412	05	2432	09	2452				
	02	2417	06	2437	10	2457				
	03	2422	07	2442	11	2462				
	04	2427	08	2447						

(3) Table for Filed Antenna:

Ant.	Manufacturer	Part Name	Туре	Frequency (MHz)	Gain (dBi)
1	Shenzhen Etheta Communication Technology Co., LTD.	MD28 2.4G WIFI Antenna 1	PCB	2400-2500	2.6
2	Shenzhen Etheta Communication Technology Co., LTD.	MD28 2.4G WIFI Antenna 2	PCB	2400-2300	2.8

Note:

 This EUT supports CDD, and all antennas have the same gain, Directional gain = G_{ANT}+Array Gain. For power measurements, Array Gain=0dB (N_{ANT}≪4), so the Directional gain=2.8. For power spectral density measurements, N_{ANT}=4, N_{SS} = 1.

So the Directional gain= G_{ANT} +Array Gain= G_{ANT} +10log(N_{ANT}/N_{SS})dBi=2.8+10log(2/1)dBi=5.81.



- (4) The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.
- (5) Table for Antenna Configuration:

Operating Mode TX Mode	2TX
IEEE 802.11b	V (Ant. 1 + Ant. 2)
IEEE 802.11g	V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT20)	V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE20)	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE40)	V (Ant. 1 + Ant. 2)



2.2 TEST MODES

Test Items	Test mode	Channel	Note
AC power line conducted emissions	TX Mode_IEEE 802.11b	11	-
Transmitter Radiated Emissions (below 1GHz)	TX Mode_IEEE 802.11b	11	-
	TX Mode_IEEE 802.11b		
	TX Mode_IEEE 802.11g	01/11	
Transmitter Radiated Emissions	TX Mode_IEEE 802.11n (HT20)	01/11	Bandedge
(above 1GHz)	TX Mode_IEEE 802.11ax (HE20)		Danueuge
	TX Mode_IEEE 802.11n (HT40)	03/09	
	TX Mode_IEEE 802.11ax (HE40)	03/09	
	TX Mode_IEEE 802.11b		Harmonic
	TX Mode_IEEE 802.11g	01/06/11	
Transmitter Radiated Emissions	TX Mode_IEEE 802.11n (HT20)	01/00/11	
(above 1GHz)	TX Mode_IEEE 802.11ax (HE20)		
	TX Mode_IEEE 802.11n (HT40)	03/06/09	
	TX Mode_IEEE 802.11ax (HE40)	03/00/09	
	TX Mode_IEEE 802.11b		-
Bandwidth &	TX Mode_IEEE 802.11g	01/06/11	
Output Power &	TX Mode_IEEE 802.11n (HT20)	01/06/11	
Power Spectral Density &	TX Mode_IEEE 802.11ax (HE20)		
Antenna conducted Spurious Emission	TX Mode_IEEE 802.11n (HT40)	03/06/09	
	TX Mode_IEEE 802.11ax (HE40)	03/00/09	

NOTE:

(1) For radiated emission bandedge and harmonic test, both Vertical and Horizontal are evaluated, but only the worst case (Vertical) is recorded.

(2) For AC power line conducted emissions and radiated emission below 1 GHz test, the IEEE 802.11b channel 11 is found to be the worst case and recorded.

(3) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.

(4) NFC is Passive NFC, so no evaluation test is required.

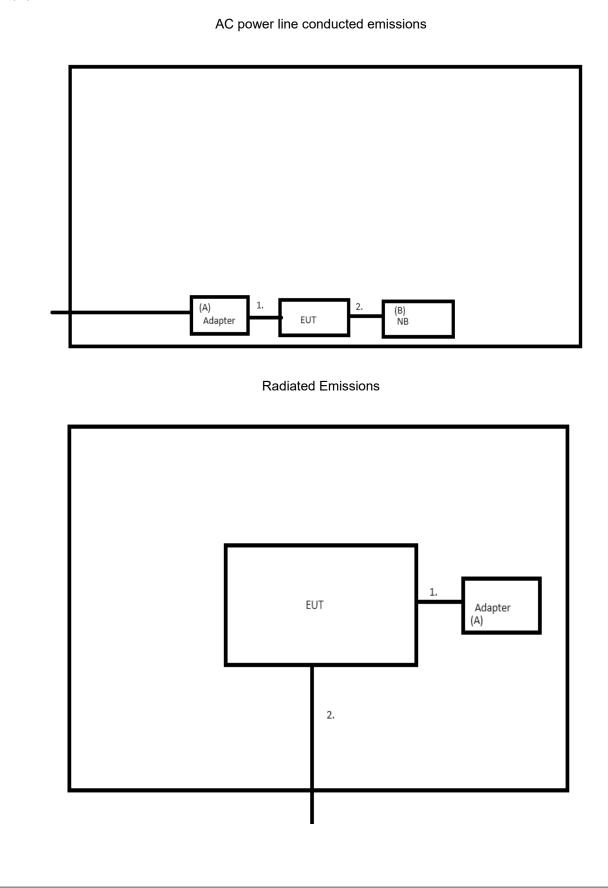
2.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	QSPR_V0.0.8.3				
Frequency (MHz)	2412	2437	2462		
IEEE 802.11b	22	22.5	22.5		
IEEE 802.11g	19.5	20.5	20		
IEEE 802.11n(HT20)	20	20	20		
IEEE 802.11ax(HE20)	18.5	18.5	18.5		
Frequency (MHz)	2422	2437	2452		
IEEE 802.11n(HT40)	17.5	20	20		
IEEE 802.11ax(HE40)	17.5	19.5	19		



2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.





2.5 SUPPORT UNITS

Item	Equipment	Brand	Model	No.	Remarks
A	Adapter	MI	AD-0121200	100US-5	Supplied by test requester
B	NB	Lenovo	ThinkBook 1	4 G4 IAP	Supplied by test lab
Item	Cable Type	Ferrite Core	Length	Shielded	Remarks
1	DC Cable	NO	1m	NO	Supplied by test requester
2	RJ45 Cabel	YES	1m	NO	Supplied by test requester



3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency	Limit (dBµV)		
(MHz)	Quasi-peak	Average	
0.15 - 0.5	66 - 56 *	56 - 46 *	
0.50 - 5.0	56	46	
5.0 - 30.0	60	50	

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
 - Measurement Value = Reading Level + Correct Factor

Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)

Margin Level = Measurement Value – Limit Value

Calculation example:

Reading Level		Correct Factor		Measurement Value
38.22	+	3.45	Ш	41.67

Measurement Value		Limit Value		Margin Level
41.67	-	60	Ш	-18.33

The following table is the setting of the receiver.

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

3.2 TEST PROCEDURE

a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).

All other support equipment were powered from an additional LISN(s).

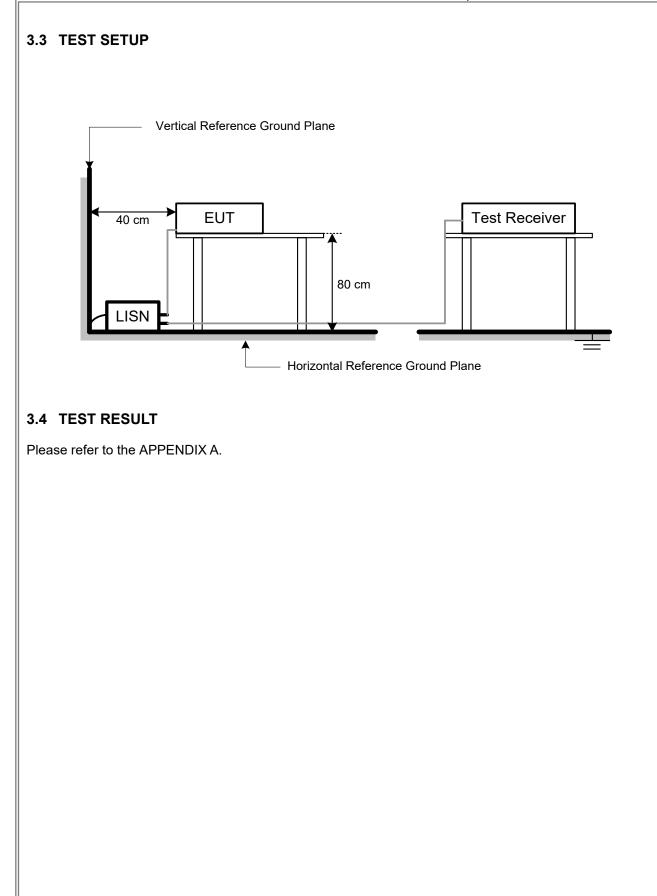
The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.

- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable will be terminated, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. For the actual test configuration, please refer to the related Item EUT TEST PHOTO.

NOTE:

- In the results, each reading is marked as Peak, QP or AVG per the detector used. BW=9 kHz (6 dB Bandwidth)
- (2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.







4 RADIATED EMISSIONS TEST

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205, then the 15.209 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

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
960~1000	500	3

LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Radiated I (dBu	Measurement Distance	
	Peak	Average	(meters)
Above 1000	74	54	3

NOTE:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:
 - Measurement Value = Reading Level + Correct Factor
 - Correct Factor = Antenna Factor + Cable Loss Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

Reading Level		Correct Factor		Measurement Value
19.11	+	2.11	=	21.22

Measurement Value		Limit Value		Margin Level
21.22	-	54	Ш	-32.78

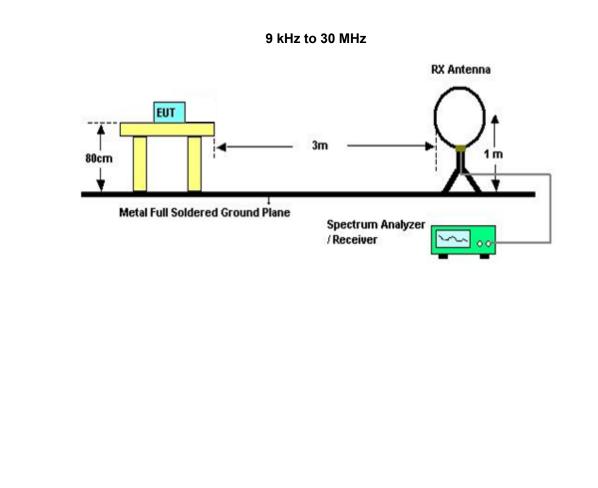
Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW	1MHz / 3MHz for Peak,
(Emission in restricted band)	1MHz / 1/T for Average

Spectrum Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector



4.2 TEST PROCEDURE

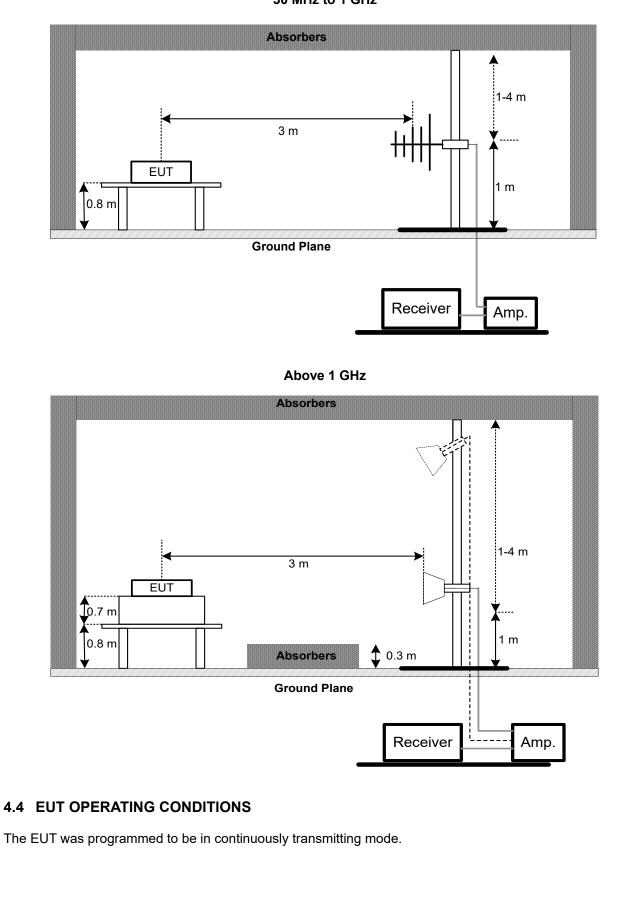
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item EUT TEST PHOTO.



4.3 TEST SETUP



30 MHz to 1 GHz





4.5 TEST RESULT – BELOW 30 MHZ

There were no emissions found below 30 MHz within 20 dB of the limit.

4.6 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX B.

4.7 TEST RESULT – ABOVE 1 GHZ

Please refer to the APPENDIX C.

NOTE:

(1) No limit: This is fundamental signal, the judgment is not applicable. For fundamental signal judgment was referred to Peak output test.



5 BANDWIDTH TEST

5.1 LIMIT

	FCC Part15, Subpart C (15.247)	
Section	Test Item	Limit
15.247(a)	6 dB Bandwidth	500 kHz

5.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.3 TEST SETUP



5.4 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.5 TEST RESULT

Please refer to the APPENDIX D.



6 OUTPUT POWER TEST

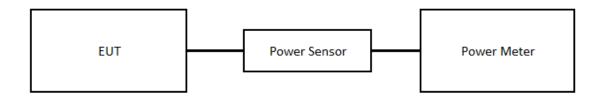
6.1 LIMIT

	FCC Part15, Subpart C (15.247)	
Section	Test Item	Limit
15.247(b)	Maximum Output Power	1 Watt or 30dBm

6.2 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- b. The maximum peak conducted output power was performed in accordance with FCC KDB 558074 D01 15.247 Meas Guidance.
- Subclause 11.9.1.1 of ANSI C63.10 is applied. The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

6.3 TEST SETUP



6.4 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.5 TEST RESULT

Please refer to the APPENDIX E.



7 POWER SPECTRAL DENSITY

7.1 LIMIT

	FCC Part15, Subpart C (15.247)	
Section	Test Item	Limit
15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

7.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW = 3 kHz, VBW = 10 kHz, Sweep time = Auto.

7.3 TEST SETUP



7.4 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.5 TEST RESULT

Please refer to the APPENDIX F.



8 ANTENNA CONDUCTED SPURIOUS EMISSIONS TEST

8.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

8.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW = 100 kHz, VBW=300 kHz, Sweep time = Auto.
- c. Offset = antenna gain + cable loss.

8.3 TEST SETUP



8.4 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.5 TEST RESULT

Please refer to the APPENDIX G.



9 L	LIST OF MEASU	JRING EQUIPI	MENTS			
		AC Pow	er Line Conducted	d Emissions		
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Two-Line V-Network	R&S	ENV216	101051	2023/7/21	2024/7/20
2	Test Cable	EMCI	EMCRG58-BM-B M-9000	210501	2023/12/11	2024/12/10
3	EXA Spectrum Analyzer	keysight	N9038A	MY54130009	2023/6/26	2024/6/25
	r		Radiated Emission	ons		
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Broad-Band Horn Antenna	RFSPIN	DRH18-E	210109A18E	2024/1/10	2025/1/9
2	Pre-Amplifier	EMCI	EMC051845SE	980779	2023/12/11	2024/12/10
3	Test Cable	EMCI	EMC105-SM-SM- 1000	210119	2023/12/11	2024/12/10
4	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01207	2023/12/18	2024/12/17
5	EMI Test Receiver Keysight		N9038A	MY54130009	2023/6/26	2024/6/25
6	Pre-Amplifier	EMCI	EMC001330-202 01222	980807	2023/12/11	2024/12/10
7	Measurement Software	Farad	EZ_EMC (Ver. NB-03A1-01)	N/A	N/A	N/A

	Bandwidth& Output Power& Power Spectral Density& Antenna conducted Spurious Emission											
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until						
1	Spectrum Analyzer	R&S	FSP 30	100854	2023/6/26	2024/6/25						

Remark: "N/A" denotes no model name, no serial no. or no calibration specified. All calibration period of equipment list is one year.



10 EUT TEST PHOTO

Please refer to APPENDIX-TEST PHOTOS.

11 EUT PHOTOS

Please refer to APPENDIX-EUT PHOTOS.







		. 								
Fest Mode		IEEE 80							Tested Date	2024/4/16
Test Frequ	uency	2462MF	lz						Phase	Line
80.0 dBuV										
70	70									
60										
50										
40	1 X 3 2 X X 4 X X		5 ¥ X	7 X 8		90 X	12 X			
30	^		×	8 ×		*	^			
20										
10										
0.0	150		0.5			(MHz)		5		30.000
No. Mk	. Fre	Read q. Leve		correct Factor	Measure- ment	Limit	Margin			
	MH	z dBu	V	dB	dBuV	dBuV	dB	Detector	Comment	
1	0.189			9.66	41.14	64.07	-22.93	QP		
2	0.189			9.66	34.93	54.07	-19.14	AVG		
3	0.226			9.66	38.46	62.58	-24.12	QP		
4	0.226			9.66	33.60	52.58	-18.98	AVG		
5 6	0.549			9.69 9.69	36.30 32.73	56.00 46.00	-19.70 -13.27	QP AVG		
7	0.54			9.69	34.27	56.00	-13.27	QP		
	0.630			9.70	29.25	46.00	-16.75	AVG		
9				9.81	32.85	56.00	-23.15	QP		
10	2.201	0 22.7	23.04 9.81 22.77 9.81		32.58	46.00	-13.42	AVG		
	2.201 2.912			9.81 9.85	32.58 33.51	46.00 56.00	-13.42	AVG QP		

(1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value - Limit Value.



a a th M a al a		heee	000										т	10-1		0004	14/40
est Mode			802.1	D										t Dat		 2024	
est Freque	ency	2462	MHZ										Pol	ariza	tion	Neut	ral
80.0	dBuV																1
70																	
60			-									—					
50			-									<u> </u>					
40	1 X 3 2 X X 4 X X			5 ¥ X	7 X 8				\$0 X	12 X							
30	X			×	8 X				×	×							
20													_				
10																	-
0.0																	
0.15	0			0.5				(MH	z)			5				30.00	0
No. Mk.	Fre	q. L	eading _evel		Correct Factor		Measure- ment	Lir	nit	Margir							
	MH		dBuV		dB		dBuV	dB		dB		tector	Cor	nment			
2	0.189		31.48 25.27		9.6 9.6		41.14	64. 54.		-22.93 -19.14		P VG					
3	0.18		28.80		9.6		38.46	54. 62.		-19.14		P					
4	0.220		23.94		9.6		33.60	52.		-18.98		VG					
5	0.549		26.61		9.6		36.30	56.		-19.70		P				 	
6	0.549		23.04		9.6		32.73	46.		-13.27		VG					
7	0.630		24.57		9.7		34.27	56.		-21.73		P					
8	0.630)5 1	19.55		9.7	0	29.25	46.	00	-16.75	A	VG				 	
9	2.201	10 2	23.04		9.8	1	32.85	56.	00	-23.15	Q	P					
10	2.201	10 2	22.77		9.8	1	32.58	46.	00	-13.42	A	VG					
11	2.912	20 2	23.66		9.8	5	33.51	56.	00	-22.49	C	P					
12 *	2.912	20 2	23.37		9.8	5	33.22	46.	00	-12.78	Α	VG					

Measurement Value = Reading Level + Correct Factor.
 Margin Level = Measurement Value - Limit Value.







		t Mode			802.11b			Test Da			2024/4/16 Vertical			
Te		requency	/		62MHz		P	olariza						
	Т	emp		2	24°C			Hum			60%)		
	80.0	dBuV/m												
	70											_		
	60											_		
	50													
	40	12 ₃										_		
	30		4 5 ×											
	20			Ř										
	10											_		
	0.0 2	0.000 127.	00 224.0	0 321.0	0 418.0	0 515.0	00 612	00	709.00	806.00	1000.00			
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure ment		Margin		Antenna Height		1000.00	5 MI12		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	r cm	degree	Comment			
1	*	41.6400	51.96	-12.36	39.60	40.00	-0.40	QP	100	104				
2		52.3100	50.80	-11.48	39.32	40.00	-0.68	QP	100	59				
3		62.0100	50.43	-12.19	38.24	40.00	-1.76	QP	100	220				
4		167.7400	41.87	-11.62	30.25	43.50	-13.25	peak	100	210				
5		198.7800	39.80	-14.17	25.63	43.50	-17.87	peak	100	259				
6		295.7800	31.98	-10.29	21.69	46.00	-24.31	peak	100	146				

- Measurement Value = Reading Level + Correct Factor.
 Margin Level = Measurement Value Limit Value.



		est Mode			E 802.11b			Test Da				2024/4/16		
	est	Frequenc	у	22	462MHz 24°C		Р	olariza			Horizontal			
	80.	Temp 0 dBuV/m			24 C			Hum			60%	7		
	70													
	60													
	50		r											
	40	2 1 ^X X 3	4 *											
	30		^	5 X	6 X									
	20													
	10 0.0											1		
		30.000 127.	00 224.	00 321.	00 418.00	515.	00 612	.00	709.00 8	306.00	1000.00	MHz		
No.	Mk		Reading Level	Correct Factor	ment	Limit	Margin		Antenna Height	Table Degree				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment			
1		52.3100	46.84	-11.48	35.36	40.00	-4.64	peak	200	153				
2	*	62.0100	50.40	-12.19	38.21	40.00	-1.79	peak	200	194				
3		114.3900	47.62	-14.43	33.19	43.50	-10.31	peak	200	112				
4		167.7400	43.95	-11.62	32.33	43.50	-11.17	peak	200	273				
5		304.5100	38.03	-10.13	27.90	46.00	-18.10	peak	100	90				
6		359.8000	32.80	-8.64	24.16	46.00	-21.84	peak	100	123				

(1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value - Limit Value.







Test Mode Test Frequency Temp				IEEE 802.11b 2412MHz			Test Date Polarization				2024/4/15 Vertical		
			'										
				24°C				Hum.			62%		
	120.0	dBu¥/m										_	
	110											_	
	100					3						-	
	90					^	h					_	
	80					/	1					-	
	70											-	
	60											_	
	50					1	\rightarrow						
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	30				×						6 ×		
	20											_	
	10											_	
	0.0												
	23	12.000 2332		2.00 2372			243	2.00 2		2472.00	2512.00	MHz	
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure ment	e- Limit	Margin		Antenna Height	Table Degree			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment		
1	2	385.400	39.62	2.99	42.61	74.00	-31.39	peak					
2		385.400	29.17	2.99	32.16	54.00	-21.84	AVG					
3		411.000	93.64	3.01	96.65	74.00	22.65	peak			No Limit		
4		411.000	91.43	3.01	94.44	54.00	40.44	AVG			No Limit		
5		507.000	39.01	3.17	42.18	74.00	-31.82	peak					
	_	507.000	26.61	3.17	29.78	54 00	-24.22	AVG					

- Measurement Value = Reading Level + Correct Factor.
 Margin Level = Measurement Value Limit Value.



	Т	est Mode		IFFF	E 802.11b		-	Test Da	te		2024/4/1	5
Test Frequency Temp			:v	24	Polarization				Vertical			
			, j	24°C			Hum.				62%	
	120	.0 dBuV/m										_
	110											
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	90						×					
	80						h					
	70											•
	60											
	50					-						1
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	30	2 X		a and the first is such a shared				6 X]
	20											
	10											
	0.0											
		2362.000 238					2.00 248	2.00 2		2522.00	2562.00	MHz
ا ٥.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	
1		2366.800	37.66	2.96	40.62	74.00		peak				
2		2366.800	27.28	2.96	30.24	54.00	-23.76	AVG				
3	Х	2462.800	93.24	3.09	96.33	74.00	22.33	peak			No Limit	
4	*	2462.800	91.30	3.09	94.39	54.00	40.39	AVG			No Limit	

74.00 -33.29 peak

54.00 -24.34 AVG

REMARKS:

5

6

2488.800

2488.800

Measurement Value = Reading Level + Correct Factor.
 Margin Level = Measurement Value - Limit Value.

3.13

3.13

40.71

29.66

37.58

26.53



Test Mode			IEEE 802.11g			Test Date				2024/4/15		
Test Frequency Temp			2412MHz 24°C			Polarization Hum.				Vertical 62%		
	Temp			24 0	_		num.			0270		
120.	0 dBuV/m										_	
110											_	
100						3					_	
90					1	4 X					-	
80											-	
70				1.50	r d	hu					-	
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30											<-	
20												
10												
0.0	312.000 233	2.00 2352	.00 2372	.00 2392.00) 2412	243	2.00 2	452.00	2472.00	2512.00		
	512.000 233	Reading	Correct	Measure-	5 2412		2.00 2	Antenna		2512.00	14112	
No. Mk.	Freq.	Level	Factor	ment	Limit	Margin		Height	Degree			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment		
1 :	2389.400	59.59	2.99	62.58	74.00	-11.42	peak					
2	2389.400	45.99	2.99	48.98	54.00	-5.02	AVG					
3 X 3	2414.000	93.93	3.03	96.96	74.00	22.96	peak			No Limit		
4 *	2414.000	84.86	3.03	87.89	54.00	33.89	AVG			No Limit		
5	2509.400	37.73	3.18	40.91	74.00	-33.09	peak					
6	2509.400	27.34	3.18	30.52	54.00	-23.48	AVG					

REMARKS:

Measurement Value = Reading Level + Correct Factor.
 Margin Level = Measurement Value - Limit Value.



No Limit

	Т	est Mode		IFFF	802.11g			Test Da	te		2024/4/15	5
Т		Frequenc	:V		62MHz			olarizat			Vertical	
<u> </u>		Temp	<u> </u>		24°C	_	<u> </u>	Hum.			62%	
	12	0.0 dBu∀/m										
	11	o										
	10	0					3					
	90						4 4					
	80						×					
	70					or l	<u> </u>					
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	50		1	m	part .			X X	nord			
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	30		x	Marshad Market								
	20											
	10											
	0.0											
		2362.000 2382) 2462	248	2.00 2		522.00 Table	2562.00	MHz
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	
1		2388.800	38.98	2.99	41.97	74.00	-32.03	peak				
2		2388.800	27.69	2.99	30.68	54.00	-23.32	AVG				
3	Х	2463.800	93.91	3.10	97.01	74.00	23.01	peak			No Limit	

54.00 33.74

74.00 -13.92

54.00 -7.02

AVG

peak

AVG

REMARKS:

4 *

5

6

2463.800

2484.800

2484.800

(1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value - Limit Value.

3.10

3.12

3.12

87.74

60.08

46.98

84.64

56.96



	Te	est Mode		IEEE 80	2.11n (H	T20)		Test Da	ate		2024/4	/15
1	Fest	Frequenc	;y	24	12MHz	- í	P	olariza	tion		Vertic	al
		Temp			24°C			Hum			62%	, D
	120	.0 dBuV/m										_
	110	ı										_
	100	ı				3	And .					_
	90					4 X						_
	80											_
	70					with	Maria					
	60							N.				
	50				Kprost Martin 2			han and	k.a.			
	40	Million Contractor Action	a sugar the states all a	where the second second	×				wennersterner	all maker me	w.man.man	5
	30											6 X
	20											_
	10											_
	0.0											
	2	2312.000 2332		2.00 2372	.00 2392.	00 2412	.00 243	2.00 2		2472.00	2512.0	0 MHz
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure ment	- Limit	Margin		Antenna Height			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	
1		2387.800	57.80	2.99	60.79	74.00	-13.21	peak				
2		2387.800	42.04	2.99	45.03	54.00	-8.97	AVG				
		2407.000	93.86	3.02	96.88	74.00	22.88	peak			No Limit	
4		2407.000	84.05	3.02	87.07	54.00	33.07	AVG			No Limit	
5		2510.000	37.63	3.18	40.81	74.00	-33.19	peak				
6		2510.000	25.08	3.18	28.26		-25.74	AVG				



		est Mode		IEEE 802		Г20)		Test Da			2024/4/	
Т	est	Frequenc	у		62MHz		P	olariza			Vertica	al
		Temp		2	24°C			Hum	•		62%	
	12	0.0 dBuV/m										-
	11	D										_
	10	D					3					-
	90						4 X					-
	80											_
	70				محلما	VIII	- how	E				
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	40	- the matter and	n de service	and the				^		mether dealer and a second		~
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	10											_
	0.0											
		2362.000 2382		2.00 2422.0			.00 248	2.00		2522.00	2562.00	MHz
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure ment	- Limit	Margin		Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	r cm	degree	Comment	
1		2388.600	39.16	2.99	42.15	74.00	-31.85	peak				
2		2388.600	25.87	2.99	28.86	54.00	-25.14	AVG				
		2467.200	93.11	3.10	96.21	74.00	22.21	peak			No Limit	
4	*	2467.200	84.90	3.10	88.00	54.00	34.00	AVG			No Limit	
5		2485.000	59.36	3.12	62.48	74.00	-11.52	peak				
6		2485.000	42.38	3.12	45.50	54.00	-8.50	AVG				



	-)2.11n (H	140)		Test Da			2024/4	
	requenc	у	24	122MHz		F	Polariza			Vertio	
	Гетр			24°C			Hum			62%	, 0
120.0) dBu∀/m										_
110											_
100					3						_
90					Å	Λ					_
80					(``^						_
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30	have been and the second s	4046-6440.401-0148	***-*********	a tal and a factor of the	x			and the second se			6
20											
10											_
0.0											
22	22.000 2262					.00 246	52.00 2			2622.0	0 MHz
Mk.	Freq.	Reading Level	Correct Factor	Measure ment	e- Limit	Margin		Antenna Height	Table Degree		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	
2	388.800	42.60	2.99	45.59	74.00	-28.41	peak				
		32.09	2.99	35.08	54.00	-18.92	AVG				
		90.11	3.03	93.14	74.00	19.14	peak				
										No Limit	
	120.0 110 100 90 80 70 60 50 40 30 20 10 0.0 22 Mk. 2 X 2 2 2 2 2 2 2 2 2	120.0 dBuV/m 110 100 90 80 70 60 50 40 70 60 50 40 70 20 10 0.0 2222.000 2262 Mk. Freq. MHz 2388.800 2388.800 2388.800 2418.400	120.0 dBuV/m 110	120.0 dBuV/m 110	120.0 dBuV/m 110 100 90 90 80 90 70 90 60 90 60 90 70 90 60 90 70 90 70 90 70 90 60 90 60 90 70 90 70 90 60 90 60 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90 70 90	120.0 dBuV/m 110	120.0 dBuV/m 110 3 100 3 90 3 80 3 70 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 60 7 7 7 60 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 </td <td>120.0 dBuV/m 110 3 100 3 90</td> <td>120.0 dBuV/m 110 3 100 3 90 3 80 4 70 5 60 5 60 5 60 2 70 2 60 2 70 2 60 2 60 2 70 2 70 2 60 2 70 2 60 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70</td> <td>120.0 dBuV/m 110 3 100 3 30 3 60 4 60 5 7 7 7 7 7</td> <td>120.0 dBuV/m 110 3 100 3 90</td>	120.0 dBuV/m 110 3 100 3 90	120.0 dBuV/m 110 3 100 3 90 3 80 4 70 5 60 5 60 5 60 2 70 2 60 2 70 2 60 2 60 2 70 2 70 2 60 2 70 2 60 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70 2 70	120.0 dBuV/m 110 3 100 3 30 3 60 4 60 5 7 7 7 7 7	120.0 dBuV/m 110 3 100 3 90



Т	est Mode		IEEE 80	2.11n (H1	(40)		Test D	ate		2024/4/	15
	Frequenc	;y		52MHz	,	F	Polariza			Vertica	
	Temp			24°C			Hum	ı.		62%	
120	.0 dBuV/m										_
110											
100						2					-
90					- M						_
80					- [*]						-
70											
60						-					-
50				h.u.	N	5					
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30			×			×					
20											
10											
0.0 2	252.000 2292	.00 2332.	00 2372.	00 2412.0	0 2452	2.00 249	2.00 2	2532.00	2572.00	2652.00	MHz
		Reading	Correct	Measure-				Antenna	Table		
No. Mk.	Freq.	Level	Factor	ment	Limit	Margin		Height	Degree		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	
1	2349.200	36.96	2.95	39.91	74.00	-34.09	peak				
2	2349.200	27.63	2.95	30.58	54.00	-23.42	AVG				
3 X	2453.200	90.30	3.08	93.38	74.00	19.38	peak			No Limit	
4 *	2453.200	83.37	3.08	86.45	54.00	32.45	AVG			No Limit	
5	2483.500	38.15	3.11	41.26	74.00	-32.74	peak				
6	2483.500	26.83	3.11	29.94	54.00	-24.06	AVG				



Ta		st Mode Frequency	/	IEEE 802	2.11ax (H 12MHz	IE20)		Test Dat olarizati			2024/4/ Vertica	
10		Temp	/		24°C		F	Hum.			62%	ai
	120										0270	
	110											
	100						3		_			_
	90					porting	4					_
	80						×					
	70						-					-
					1	MUMM	Why	N				
	60				Mark			MAL.				1
	50			ليلية	ANNA LINE			ANNA ANNA	L .		5	
	40	and with how	warman and	nan-company with	2 X			, , , , , , , , , , , , , , , , , , ,	munition	welling and the ment	and the second of the second second	suAr:
	30										6 ×	-
	20											_
	10											-
	0.0											
	2	312.000 2332	Reading	52.00 2372 a Correct	2.00 2392 Measur		243	32.00 2	452.00 Antenna	2472.00 Table	2512.00) MHz
No.	Mk.	Freq.	Level	Factor	ment	Limit	Margin		Height	Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	
1		2389.000	58.27	2.99	61.26	74.00	-12.74	peak				
2		2389.000	33.56	2.99	36.55	54.00	-17.45	AVG				
3	Х	2417.800	93.91	3.03	96.94	74.00	22.94	peak			No Limit	
4	*	2417.800	83.94	3.03	86.97	54.00	32.97	AVG			No Limit	
5		2497.800	39.73	3.14	42.87	74.00	-31.13	peak				
		2497.800	25.08	3.14	28.22	E4.00	-25.78	AVG				



	est Mode	I		2.11ax (HE	E20)		Fest Dat			2024/4/1	5
Test	Frequency			62MHz		P	olarizati	on		Vertical	
	Temp		2	24°C			Hum.			62%	
120.	0 dBu∀/m										
											1
110											{
100					3						
90					, in the second						
80					×						
70					w	MAN.	_				1
60				Under State		White	\$				1
50				10 grand			and the state of t				1
40	and and the start	und marken and see	www.www.dianal.				6	Monorman		American	
30	2						×				
20	×										
											1
10											1
0.0	362.000 2382.00	0 2402.0	0 2422.0	0 2442.0	0 2462	00 248	2.00 25	i02.00	2522.00	2562.00	MH2
			Correct	Measure-		.00 240		Antenna		E00E.00	
No. Mk.		Level	Factor	ment	Limit	Margin		Height			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	
1 :	2381.600	39.81	2.99	42.80	74.00	-31.20	peak				
2 2	2381.600	25.94	2.99	28.93	54.00	-25.07	AVG				
3 X 2	2459.000	92.76	3.08	95.84	74.00	21.84	peak			No Limit	
4 * 2	2459.000	82.56	3.08	85.64	54.00	31.64	AVG			No Limit	
5	2485.600	56.45	3.12	59.57	74.00	-14.43	peak				
6	2485.600	31.11	3.12	34.23	54.00	-19.77	AVG				



Test Mode IEEE 802.11ax (HE40) Test Date 2024/4/15 Test Frequency 2422MHz Polarization Vertical Temp 24°C Hum. 62% 120.0 #BuV/m #Um. 62% 100 #Um. 62% #Um. 62% 100 #Um. 62% #Um. 62% 90 #Um. #Um. #Um. #Um. #Um. 90 #Um. #Um. #Um. #Um. #Um. 90 #Um. #Um. #Um. #Um. #Um. #Um. 90 #Um. #Um. #Um. #Um. #Um. #Um. #Um. 90 #Um. #Um. #Um. #Um. #Um. #Um. #Um. #Um. #Um. 90 #Um. #Um. #Um. #Um. #Um. #Um. #Um. #Um. 90 #Um. #Um. #Um. #Um. #Um. #Um. #Um. <t< th=""><th>Test Fr 120.0 110 90 80 70 60 50 40 30 20 10 0.0 222 No. Mk. 1 23</th><th>requenc emp</th><th>quency าp</th><th>24</th><th>22MHz 24°C</th><th>33 4 ×</th><th></th><th>blarizatio Hum.</th><th></th><th></th><th>Vertic</th><th>al</th></t<>	Test Fr 120.0 110 90 80 70 60 50 40 30 20 10 0.0 222 No. Mk. 1 23	requenc emp	quency าp	24	22MHz 24°C	33 4 ×		blarizatio Hum.			Vertic	al
Temp 24°C Hum. 62% 120.0 dBuV/m	Te 120.0 110 90 80 70 60 50 40 30 20 10 0.0 222 No. Mk. 1 23	emp	ıp		24°C	4 ×		Hum.	n			
120.0 d8uV/m 110	120.0 110 100 90 80 70 60 50 40 30 20 10 0.0 222 No. Mk.					4 ×					62%	
110	110 100 90 80 70 60 50 40 30 20 10 0.0 222 No. Mk.	0 dBuV/m	dBuV/m		M	4 ×						
100 30 3 4	100 90 80 70 60 50 40 30 20 10 0.0 222 No. Mk.				M	4 ×						
90 90 <td< td=""><td>90 80 70 60 50 40 30 20 10 0.0 222 No. Mk.</td><td></td><td></td><td></td><td>M</td><td>4 ×</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	90 80 70 60 50 40 30 20 10 0.0 222 No. Mk.				M	4 ×						
90 4	80 70 60 50 40 30 20 10 0.0 222 No. Mk.				M	4 ×						
80	70 60 50 40 30 20 10 0.0 222 No. Mk.				M	×						
60 50 <td< td=""><td>60 50 40 30 20 10 0.0 222 No. Mk.</td><td></td><td></td><td></td><td>M</td><td>in the second</td><td>han</td><td></td><td></td><td></td><td></td><td></td></td<>	60 50 40 30 20 10 0.0 222 No. Mk.				M	in the second	han					
60 50 2622.00 2622.00 MHz 2622.00 2622.00 2502.00 2502.00 2542.00 2622.00 MHz No. Mk. Freq. Reading Level Correct Factor Measure- ment Limit Margin Antenna Table Degree MHz dBuV dB dBuV/m dB Detector cm degree Comment 1 2384.800 39.68 2.99 42.67 54.00 -11.33 AVG No Limit No Limit 3 X 2416.400 91.29 3.03 94.32 74.00 20.32 pea	60 50 40 30 20 10 0.0 222 No. Mk.	ndelanen og som en filme			M	im .	hute					
50 40 2 30 2 30 5 40 40 40 5 40 5 40 5 40 5 40 5 40 5 40 5 40 5 40 40 5 40 40 5 40 40 40 5 40	50 40 30 20 10 0.0 222 No. Mk.	alstratest algan, an although an			A A A A A A A A A A A A A A A A A A A	*	March 1					
30 30 X	40 30 20 10 0.0 222 No. Mk.	กไปกระการสร้าง					,	M.				
30 30 X	30 20 10 0.0 222 No. Mk.	adalarianan ang sanarang tana			Multin 2	2		5				
30 30 X	20 10 0.0 222 No. Mk.	•	and an estimated and the second second	where the south of the	^~` ^	•			hand and the second	ng Mangangang penghangan sanga	and the second state of the second	and the
10	10 0.0 222 No. Mk.											_
0.0 2222.000 2262.00 2302.00 2342.00 2382.00 2422.00 2462.00 2502.00 2542.00 2622.00 MHz No. Mk. Freq. Reading Level Correct Factor Measurement Limit Margin Antenna Height Table Degree MHz dBuV dB dBuV/m dBuV/m dB Detector cm degree Comment 1 2384.800 62.16 2.99 65.15 74.00 -8.85 peak Veak	0.0 222 No. Mk. 1 23											
Z222.000 Z262.00 Z302.00 Z342.00 Z382.00 Z422.00 Z462.00 Z502.00 Z542.00 Z622.00 MHz No. Mk. Freq. Freq. Correct Measure- ment Limit Margin Antenna Table Degree MHz dBuV dB dBuV/m dBuV/m dB Detector cm degree Comment 1 2384.800 62.16 2.99 65.15 74.00 -8.85 peak Veak Veak 2 2384.800 39.68 2.99 42.67 54.00 -11.33 AVG Veak No Limit 3 X 2416.400 91.29 3.03 94.32 74.00 20.32 peak No Limit	222 No. Mk. 1 23											_
No. Mk.Freq.Reading LevelCorrect FactorMeasure- mentLimitMarginAntenna HeightTable DegreeMHzdBuVdBdBuV/mdBDetectorcmdegreeComment12384.80062.162.9965.1574.00-8.85peak22384.80039.682.9942.6754.00-11.33AVG3X2416.40091.293.0394.3274.0020.32peakNo Limit	No. Mk.											
No. Mk. Freq. Level Factor ment Limit Margin Height Degree MHz dBuV dB dBuV/m dB Detector cm degree Comment 1 2384.800 62.16 2.99 65.15 74.00 -8.85 peak 2 2384.800 39.68 2.99 42.67 54.00 -11.33 AVG 3 X 2416.400 91.29 3.03 94.32 74.00 20.32 peak No Limit	1 23	22.000 226					2.00 246				2622.	00 MHz
1 2384.800 62.16 2.99 65.15 74.00 -8.85 peak 2 2384.800 39.68 2.99 42.67 54.00 -11.33 AVG 3 X 2416.400 91.29 3.03 94.32 74.00 20.32 peak No Limit		Freq.					Margin					
2 2384.800 39.68 2.99 42.67 54.00 -11.33 AVG 3 X 2416.400 91.29 3.03 94.32 74.00 20.32 peak No Limit		MHz	MHz dBuV	/ dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	
3 X 2416.400 91.29 3.03 94.32 74.00 20.32 peak No Limit	0 00	384.800	4.800 62.10	6 2.99	65.15	74.00	-8.85	peak				
	2 23		1.800 39.68	8 2.99	42.67	54.00	-11.33	AVG				
	3 X 24		5.400 91.29	9 3.03	94.32	74.00	20.32	peak			No Limit	
4 * 2416.400 80.37 3.03 83.40 54.00 29.40 AVG No Limit	4 * 24	2384.800	6.400 80.3	7 3.03	83.40	54.00	29.40	AVG			No Limit	
5 2490.800 43.12 3.13 46.25 74.00 -27.75 peak	5 24	2384.800			46.25	74.00	-27.75	peak				
6 2490.800 26.85 3.13 29.98 54.00 -24.02 AVG	6 24	2384.800 2416.400 2416.400		2 3.13	40.20							



	Te	est Mode		IEEE 80	2.11ax (H	HE40)		Test Da	ite		2024/4	/15
٦	Test	Frequenc	;y	24	152MHz	, i i	F	Polarizat	tion		Vertic	al
		Temp			24°C			Hum.			62%)
	120).0 dBuV/m										_
	110)										-
	100)					2					-
	90						3					_
	80						4 ×					_
	70											-
	60					hurrent	5					_
	50				1		49 	m				-
	40	a substantia da constante da cons	answer Tradition that states	and the second second			6	Manualsh	p.m. marken	40.000 mar	wallen was and solver a	~~
	30		-		2 X		x					_
	20											_
	10											_
	0.0											
		2252.000 2292	2.00 233	2.00 2372	.00 2412	.00 2452	.00 249	2.00 2	532.00	2572.00	2652.00	MHz
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure ment	e- Limit	Margin		Antenna Height	a Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	
1		2388.800	41.94	2.99	44.93	74.00	-29.07	peak				
2		2388.800	26.86	2.99	29.85	54.00	-24.15	AVG				
3		2466.400	89.15	3.10	92.25	74.00	18.25	peak			No Limit	
4	*	2466.400	78.11	3.10	81.21	54.00	27.21	AVG			No Limit	
5		2484.800	57.29	3.12	60.41		-13.59	peak				
6		2484.800	31.38	3.12	34.50	54.00	-19.50	AVG				



	st Mode			802.11b			Test Da			2024/4/17
	Frequency	y		12MHz		P	olarizat			Vertical
-	Temp		2	24°C			Hum.			62%
120.	0 dBuV/m									
110										
100										
90										
80										
70										
60										
50		1 X								
40										
30		2 X								
20										
10										
0.0	000.000 3550).00 610	0.00 8650.	00 11200	.00 1375	0.00 163	300.00 1	8850.00	21400.00	26500.00 MHz
	000.000 0000	Reading		Measure		0.00 10.		Antenna		20000.00 11112
No. Mk.	Freq.	Level	Factor	ment	Limit	Margin		Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 * •	4824.000	55.34	-8.57	46.77	74.00	-27.23	peak			
2	4824.000	34.49	-8.57	25.92	54.00	-28.08	AVG			



Test Mode		IEEE 802.11b	Test Date	2024/4/17
Test Frequer		2437MHz	Polarization	
Temp		24°C	Hum.	62%
120.0 dBuV/m				
110				
100				
90				
80				
70				
60	1			
50	× ×			
40				
30	2 X			
20				
10 0.0				
1000.000 35	50.00 6100.00	8650.00 11200.00	13750.00 16300.00 188	50.00 21400.00 26500.00 MHz
No. Mk. Freq.	-	rect Measure- ctor ment Lir		ntenna Table Height Degree
MHz	dBuV d	B dBuV/m dBu		cm degree Comment
1 * 4874.000	59.47 -8	44 51.03 74	00 -22.97 peak	

54.00 -26.67 AVG

REMARKS:

2

4874.000

(1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value - Limit Value.

-8.44

27.33



	est Mode			E 802.11	b		Test Da			2024/4/17
Test	Frequenc	хy		162MHz		P	olarizat	ion		Vertical
	Temp			24°C			Hum.			62%
12	0.0 dBu∀/m									
11	0									
10	0									
90										
80										
70										
60		1 X								
50		×								
40										
30		2 X								
20										
10										
0.0										
	1000.000 355					0.00 163	00.00 1		21400.00	26500.00 MHz
No. Mk	. Freq.	Reading Level	Correct Factor	Measure ment	e- Limit	Margin		Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 *	4924.000	59.79	-8.33	51.46	74.00	-22.54	peak			

28.12 54.00 -25.88 AVG

REMARKS:

2

4924.000

Measurement Value = Reading Level + Correct Factor.
 Margin Level = Measurement Value - Limit Value.

-8.33



Tes	t Mode			802.11g		-	Test Da	ite		2024/4/17
Test F	requenc	y		12MHz		Р	olarizat	tion		Vertical
Т	emp			24°C			Hum.			62%
120.	0 dBuV/m									
110										
100										
90										
80										
70										
60										
50		1 ×								
40		2 X								
30		^								
20										
10										
0.0	000.000 355	0.00 6100).00 8650	.00 11200.	00 1375	0 00 163	00.00 1	8850.00	21400.00	26500.00 MHz
		Reading	Correct	Measure-		105	55.00 I	Antenna		2000.00 MIT2
lo. Mk.	Freq.	Level	Factor	ment	Limit	Margin		Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 4	1824.000	56.31	-8.57	47.74	74.00	-26.26	peak			
2 * 4	1824.000	43.59	-8.57	35.02	54.00	-18.98	AVG			



Tes	st Mode			802.11g			Test Da	te		2024/4/17
Test F	Frequency	/	24	37MHz		F	olarizat	ion		Vertical
	Temp			24°C			Hum.			62%
120.0) dBu∀/m									
110										
100										
90										
80										
70										
60										
50		1 X								
40		2 X								
30		0								
20										
10										
0.0	00.000 3550.	00 6100	.00 8650.0	00 11200	.00 1375	0.00 10	300.00 1	8850.00	21400.00	26500.00 MHz
10		Reading		Measure		0.00 163	300.00 I	Antenna		26500.00 MHZ
o. Mk.	Freq.	Level	Factor	ment	- Limit	Margin		Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 4	874.000	54.13	-8.44	45.69	74.00	-28.31	peak			
2 * 4	874.000	44.35	-8.44	35.91	54.00	-18.09	AVG			



	est Mode			E 802.11g			Test Da			2024/4/17
Tes	t Frequenc	у		62MHz		F	olarizat	tion		Vertical
	Temp			24°C			Hum.			62%
120).0 dBu¥/m									
110)									
100)									
90										
80										
70										
60										
50		×								
40		2 X								
30								_		
20										
10										
0.0										
	1000.000 3550					0.00 163	00.00 1		21400.00	26500.00 MHz
No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	- Limit	Margin		Antenna Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	4924.000	57.74	-8.33	49.41	74.00	-24.59	peak			
2 *	4924.000	47.54	-8.33	39.21	54.00	-14.79	AVG			



Τ	Mada) 44 m /1 l		-		-		0004/4/47
	Mode		IEEE 802		120)		Test Dat			2024/4/17
	requency			12MHz	_	P	olarizati	on		Vertical
[6	emp		2	24°C			Hum.			62%
120.0	dBuV/m									
110										
100										
90										
80										
70										
60										
50										
40										
30		1 X								
20		2 X								
10										
0.0										
100	0.000 3550.00	6100	.00 8650.	00 1120	0.00 1375	0.00 163	300.00 18	3850.00	21400.00	26500.00 MHz
		Reading	Correct	Measure				Antenna		
No. Mk.	Freq.	Level	Factor	ment	Limit	Margin		Height	Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 48	344.000	41.43	-8.52	32.91	74.00	-41.09	peak			
2 * 48	344.000	26.75	-8.52	18.23	54.00	-35.77	AVG			



Test Mode		802.11n (HT20		Test Date	2024/4/17
Test Frequency	,	2437MHz	F	Polarization	Vertical
Temp		24°C		Hum.	62%
120.0 dBu¥/m					
110					
100					
90					
80					
70					
60					
50					
40	1 X				
30	2 X				
20	^				
10					
0.0					
1000.000 3550.0		50.00 11200.00	13750.00 163		1400.00 26500.00 MHz
No. Mk. Freq.	Reading Correct Level Facto		imit Margin.	Antenna Height	Table Degree
MHz	dBuV dB	dBuV/m dl	BuV/m dB	Detector cm	degree Comment
1 4874.000	45.27 -8.44	36.83 7	4.00 -37.17	peak	
2 * 4874.000	33.69 -8.44	25.25 5	4.00 -28.75	AVG	



Test Mode		E 802.11n (H	Г20)		est Dat			2024/4/17
Test Frequency		2462MHz		P0	olarizati	on		Vertical
Temp		24°C			Hum.			62%
120.0 dBu∀/m								
110								
100								
90								
80								
70								
60								
50								
40	1 X							
30								
20	2 X							
10						_		
0.0								
1000.000 3550.		8650.00 1120		0.00 163	00.00 18		21400.00	26500.00 MHz
No. Mk. Freq.	-	orrect Measure actor ment	e- Limit	Margin		Antenna Height	Table Degree	
MHz	dBuV	dB dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 4924.000	45.91 -8	8.33 37.58	74.00	-36.42	peak			
2 * 4924.000	33.82 -8	8.33 25.49	54.00	-28.51	AVG			



	t Mode			2.11n (H	T40)		Test Date			2024/4/17	
	requency			22MHz		P	olarizatio	on		Vertical	
Т	emp			24°C			Hum.			62%	
120.0	dBu∀/m										
110											
100											
90											
80											
70 -											
60											
50											
40											
30		1 X									
20		2 X									
10							_				
0.0											
100	0.000 3550.00					50.00 163			1400.00	26500.00 MHz	
No. Mk.		eading Level	Correct Factor	Measure ment	e- Limit	Margin		Antenna Height	Table Degree		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	

26.92 74.00 -47.08

18.40 54.00 -35.60

peak

AVG

REMARKS:

1

4844.000

2 * 4844.000

Measurement Value = Reading Level + Correct Factor.
 Margin Level = Measurement Value - Limit Value.

-8.52

-8.52

35.44



	Mode	,	IEEE 802	2.11n (HT4 87MHz	40)		lest Dat			2024/4/17 Vertical
	requency emp	/		4°C		F	Hum.	UT		62%
16	h		2	40			Tium.			0270
120.0	dBuV/m									
110										
100										
90										
80										
70										
60										
50										
40		ł								
30										
20		2 X								
10										
0.0										
10	00.000 3550		0.00 8650.			0.00 163	300.00 1		21400.00	26500.00 MHz
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 4	874.000	44.31	-8.44	35.87	74.00	-38.13	peak			
2 * 4	874.000	32.15	-8.44	23.71	54.00	-30.29	AVG			



Test Mode	IEEE 802.11n (HT4	0) Test Date	2024/4/17
Test Frequency	2452MHz	Polarization	Vertical
Temp	24°C	Hum.	62%
120.0 dBu∀/m			
110			
100			
90			
80			
70			
60			
50			
40	L .		
30 2	2		
20	×		
10			
0.0 1000.000 3550.00	6100.00 8650.00 11200.00	0 13750.00 16300.00 18850.	00 21400.00 26500.00 MHz
Rea No. Mk. Freq. Lev	iding Correct Measure- vel Factor ment		enna Table ight Degree
MHz dB	BuV dB dBuV/m	dBuV/m dB Detector (cm degree Comment
1 4904.000 42.	.28 -8.36 33.92	74.00 -40.08 peak	

23.07 54.00 -30.93 AVG

REMARKS:

2 * 4904.000

(1) Measurement Value = Reading Level + Correct Factor.

-8.36

(2) Margin Level = Measurement Value - Limit Value.



Test Mode		IEEE 802	2.11ax (H	E20)		Test Da	ate		2024/4/17
Test Frequency	1	24	12MHz		P	Polariza	tion		Vertical
Temp			24°C			Hum			45%
120.0 dBu¥/m									
110									
100									
90									
80									
70									
60									
50									
40									
30	1 X								
20	2 X								
10									
0.0									
1000.000 3550.0		0.00 8650.	00 11200	.00 1375	0.00 163	00.00 1	8850.00	21400.00	26500.00 MHz
No. Mk. Freq.	Reading Level	g Correct Factor	Measure ment	- Limit	Margin		Antenna Height	Table Degree	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	-	degree	Comment
1 4824.000	42.41	-8.57	33.84	74.00	-40.16	peak		-	
2 * 4824.000	30.00	-8.57	21.43	54.00	-32.57	AVG			



Test I	Mode	IFFF 802	2.11ax (HE	20)	-	Test Da	te		2024/4/17
	equency		37MHz			olarizat			Vertical
	mp		24°C			Hum.			45%
	•								
120.0	dBu¥∕m								
110									
100									
90									
80									
70									
60									
50									
40									
30	1 X								
20	2 X								
10									
0.0									
1000		100.00 8650.	00 11200.0	0 1375	0.00 163	00.00 1		21400.00	26500.00 MHz
lo. Mk.	Readi Freq. Leve		Measure- ment	Limit	Margin		Antenna Height		
	MHz dBu		dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 487	4.000 42.1	7 -8.44	33.73	74.00	-40.27	peak			
2 * 487	4.000 31.2	6 -8.44	22.82	54.00	-31.18	AVG			



	st Mode			2.11ax (H	E20)		Test Da			2024/4/17
	requenc	y	24	162MHz		F	Polariza			Vertical
1	Temp			24°C			Hum.			45%
120.0	dBuV/m									
110										
100										
90										
80										
70										
60										
50										
40		1								
30		1 X								
20		2 X								
10										
0.0										
10	00.000 3550.		0.00 8650			0.00 163	00.00 1		21400.00	26500.00 MHz
No. Mk.	Freq.	Reading Level	g Correct Factor	Measure ment	- Limit	Margin		Antenna Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1 4	924.000	40.43	-8.33	32.10	74.00	-41.90	peak			
2 * 4	924.000	27.00	-8.33	18.67	54.00	-35.33	AVG			



Та	at Mada			0.11 av /1		-		-		2024/4/47
	st Mode		IEEE 80	2.11ax (F 122MHz	1⊏40)		Test Dat olarizati			2024/4/17 Vertical
	Frequency			24°C		P	Hum.			45%
	Temp			24 0			nuni.			40%
120.0	0 dBuV/m									
110										
100										
90										
80										
70										
60										
50										
40										
30		1 X								
20		2								
10		×								
0.0										
10	00.000 3550.0					50.00 163			21400.00	26500.00 MHz
No. Mk.		Reading Level	Correct Factor	Measur ment	e- Limit	Margin		Antenna Height		
	MHz	dBuV	dB	dBuV/m	dBuV/m		Detector	cm	degree	Comment
1 4	824.000	34.68	-8.57	26.11	74.00	-47.89	peak			

54.00 -39.56 AVG

REMARKS:

2 * 4824.000

(1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value - Limit Value.

-8.57

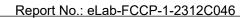
14.44



Test Mo			2.11ax (HI	E40)		Test Da			2024/4/17	
Test Frequ	ency		37MHz		Polarization			Vertical		
Temp			24°C		Hum.				45%	
120.0 dBu¥	/m									
110										
100										
90										
80										
70										
60										
50										
40										
30	X									
20	2 X									
10	^									
0.0										
1000.000		00.00 8650.			0.00 163	00.00 1		21400.00	26500.00 MHz	
lo. Mk. Fre	Readin q. Level	g Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree		
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment	
1 4874.00	37.74	-8.44	29.30	74.00	-44.70	peak				
2 * 4874.00	0 24.01	-8.44	15.57	54.00	-38.43	AVG				



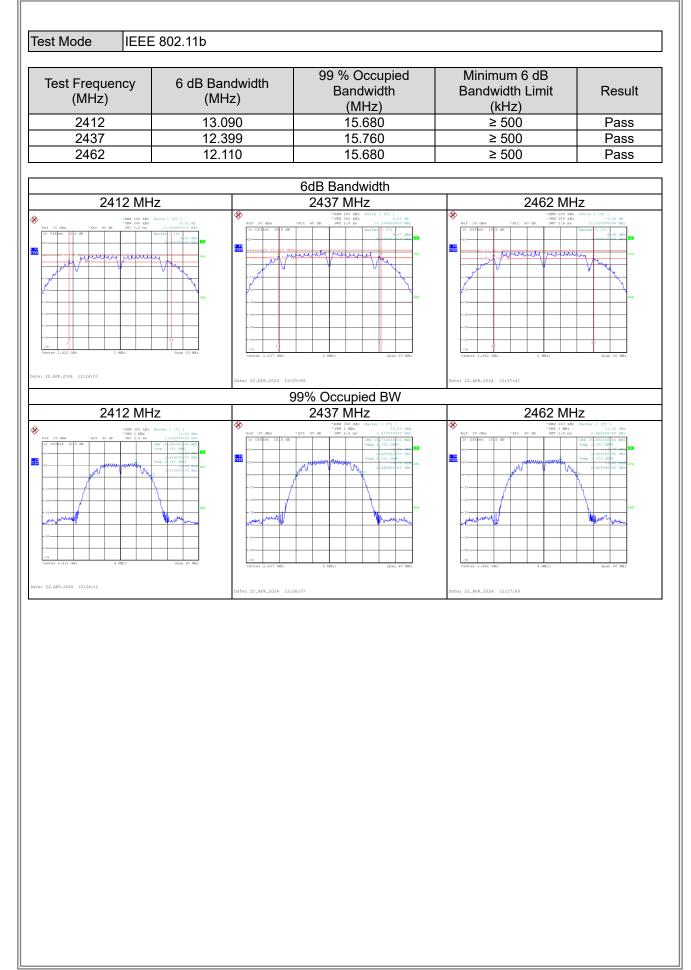
Test Mode	IEEE 802.11ax (HE40)	Test Date	2024/4/17
Test Frequency	2452MHz	Polarization	Vertical
Temp	24°C	Hum.	45%
•			
120.0 dBu¥/m			
110			
100			
90			
80			
70			
60			
50			
40			
30	1 X		
20	2 X		
10			
0.0			
1000.000 3550.00			00.00 26500.00 MHz
	eading Correct Measure- Level Factor ment Limi		able egree
MHz	dBuV dB dBuV/m dBuV	/m dB Detector cm d	egree Comment
1 4924.000	35.36 -8.33 27.03 74.0	0 -46.97 peak	
2 * 4924.000	24.84 -8.33 16.51 54.0	0 -37.49 AVG	



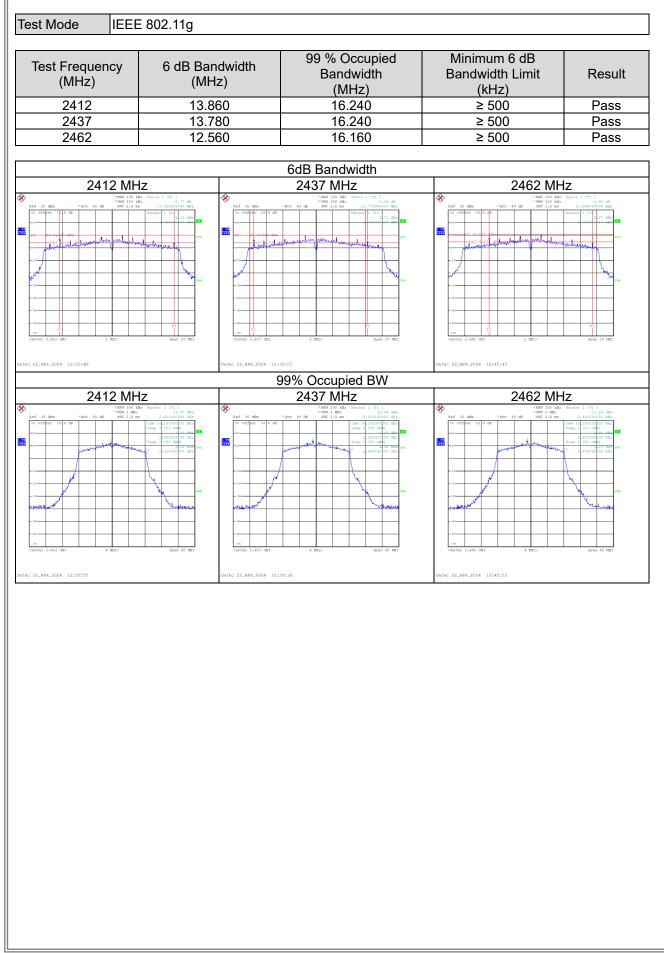


APPENDIX D BANDWIDTH











6 dB Ban (MH: 10.02 15.03 10.02	z) 20 30 20	99 % Occupied Bandwidth (MHz) 17.440 17.440	Minimum 6 dB Bandwidth Limit (kHz)	Result
15.03 10.02	30 20	17.440		
10.02 //Hz	20	17 440	≥ 500	Pass
ЛНz			≥ 500	Pass
		17.440	≥ 500	Pass
		6dB Bandwidth		
100 kHz Delta 1 [T1] 300 kHz -0.29 dB		2437 MHz	2462 Mł	
	No. 610 No. 610 <t< td=""><td>************************************</td><td>30 Offset 10.5 dB</td><td></td></t<>	************************************	30 Offset 10.5 dB	
			Date: 22.APR.2024 12:59:12	
	96		2462 MI	-17
	*			
Den 42 Mit	- 10	4 NEC/ 2004 40 NEC	-12 -22 -13 -14 -14 -14 -14 -14 -14 -14 -14 -14 -14	500 (10) (10) (10) (10) (10) (10) (10) (1
	1112 00 MAX Market 1 [17] 1 MAX 12 (12 (14 (100)) 12 (12 (14 (100))) 12 (12 (14 (100))) 12 (12 (14 (14 (14 (14 (14 (14 (14 (14 (14 (14	Date: 22,APR.2024 12:56	Image: second	



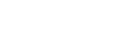
Test Frequency					
(MHz)	6 dB Ban (MH	z)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	33.2		35.680	≥ 500	Pass
2437	27.2		35.680	≥ 500	Pass
2452	32.8	80	35.680	≥ 500	Pass
			6dB Bandwidth		
2422 N		A		2452 MH	
2422 N 1 2 2 2 2 2 2 2 2 2 2	00 MB: 0-0-0 (B) m 0-1-0-0-0 (B) m 0-1-0-0-0 (B) m 0-1-0-0-0-0 (B) m 0-1-0-0-0-0-0-0 m 0-1-0-0-0-0-0 m 0-1-0-0-0-0-0 m 0-1-0-0-0-0-0-0 m 0-1-0-0-0-0-0 m 0-1-0-0-0-0-0-0 m 0-1-0-0-0-0-0-0 m 0-1-0-0-0-0-0-0 m 0-1-0-0-0-0-0-0-0 m 0-1-0-0-0-0-0-0-0 m 0-1-0-0-0-0-0-0-0-0 m 0-1-0-0-0-0-0-0-0-0-0 m 0-1-0-0-0-0-0-0-0-0-0-0 m 0-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0 m 0-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	Part 201 discontraction 101 51 5.0 5.0 5.0 101 51 5.0 5.0 5.0 5.0 101 51 5.0<		2452 Mil • 100 million • 100 million <tr< td=""><td>2 Date 3 (17) 1 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -</td></tr<>	2 Date 3 (17) 1 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -



st Mode IEEE Test Frequency (MHz)	802.11ax (HE 6 dB Banc (MHz	dwidth	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit	Result
2412	10.39		18.800	(kHz) ≥ 500	Pass
2437	17.63		18.800	≥ 500	Pass
2462	15.90		18.720	≥ 500	Pass
-		-			
			6dB Bandwidth	1	
2412 MH		8	2437 MHz *R8W 100 kHz Delta 1 [71] *V8W 300 kHz Delta 1 [71] *V8W 300 kHz 0.18 eB *Att 30 dB SWT 2.5 m 17.62960000 MHz	2462 M	HZ mr Delta 1 [71] mr -1.30 dB s 15.899963000 MHz
20 000 *AE 30 00 977.2.5 m 076 ** 10 5 00 C1 7.6 10 5 00 C1	Marker 1 (T1 2.15 dBm 3.406700100 dBm	Inf 20 Gene 10 0.72 1.0 1.0 0.0 10 0.1 0.1 0.0 0.0 0.0 10 0.1 0.0 0.0 0.0 0.0 0.0 10 0.0 <	**************************************	3.4f 2.0 dim *At 3.0 dim (arr 2.1, 5) 1 0 0.000 (arr 2.1, 6) (arr 2.1, 6) 1 1 1.0 (arr 2.1, 6) (arr 2.1, 6) 1 1.0 1.0 (arr 2.1, 6) (arr 2.1, 6) 1 1.0 1.0 (arr 2.1, 6) (arr 2.1, 6) 1 1.0 1.0 (arr 2.1, 6) (arr 2.1, 6) 1 1.0 1.0 (arr 2.1, 6) (arr 2.1, 6) 1 1.0 1.0 1.0 (arr 2.1, 6) 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.0 1.0 1.0 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	
2.APR.2024 15:10:15	1	Date: 22.APR.2024 15:2		Date: 22.APR.2024 15:28:13	
		ç	99% Occupied BW		
2412 MH *RMM 300 M *VBM 1 MEZ 20 dBm *Att 30 dB SWT 2.5 m	Marker 1 (T1)	8	2437 MHz *RM 300 kB Marker 1 [1] *NTE 30 dB 5NT 2.5 ms 2.43669000 GBr	2462 M	HZ III Marker 1 [T1] 10.76 dBm 2.46080000 dHz
	207 500 UN 3-014000 000 00000000000000000000000000000	-13	4 1021/ 2044 4 1021	Image: Second	2. (*1140.500 000) . (*1140.50000000000000000000000000000000000
2.APR.2024 15:10:24	1	Date: 22.APR.2024 15:2	26:31	Date: 22.APR.2024 15:28:22	



Test Frequency (MHz)	6 dB Bandwidtl (MHz)	99 % Occupied Bandwidth (MHz)	Minimum 6 dB Bandwidth Limit (kHz)	Result
2422	31.040	37.440	≥ 500	Pass
2437	23.879	37.280	≥ 500	Pass
2452	31.840	37.280	≥ 500	Pass
		6dB Bandwidth		
2422 MH		2437 MHz	2452 MH ↔	
aff 20 (B) *ALL 30 (B) 307 (S tot) 11	Ex Bols 1 (1) 1 1 2 4 7 00 1 2 3 1 3 1 7 7 0 00 1 2 4 1 2 1 0 00 1 2 4 1 1 0 00 1 2 4	10 6 MaxXet 1:73 <t< th=""><th>Ref 20 0m *At 30 0m BUT 5 mm 40 -10 5 0m -10 0mm -10 0mm 40 -10 0mm -10 0mm -10 0mm 40 -10 0mm -10 0mm -10 0mm 40 -10 0mm -10 0mm -10 0mm -10 -10 0mm -10 0mm -10 0mm -10 -10 0mm -10 0mm -10 0mm -10 -10 0mm -10 0mm -10 0mm -11 -10 0mm -10 0mm -10 0mm -10 -10 0mm -10 0mm -10 0mm -11 -10 0mm -10 0mm -10 0mm</th><th>s (bits (11)) 1.40 (B) 1.40 (B) 1</th></t<>	Ref 20 0m *At 30 0m BUT 5 mm 40 -10 5 0m -10 0mm -10 0mm 40 -10 0mm -10 0mm -10 0mm 40 -10 0mm -10 0mm -10 0mm 40 -10 0mm -10 0mm -10 0mm -10 -10 0mm -10 0mm -10 0mm -10 -10 0mm -10 0mm -10 0mm -10 -10 0mm -10 0mm -10 0mm -11 -10 0mm -10 0mm -10 0mm -10 -10 0mm -10 0mm -10 0mm -11 -10 0mm -10 0mm -10 0mm	s (bits (11)) 1.40 (B) 1.40 (B) 1
2422 MH	I 	99% Occupied BW 2437 MHz	2452 MI	1-
2422 MH *X8W 1 MEz *Y8W 1 MEz *Y8W 3 MEz ef 20 dBes *Att 30 dB SWT 2.5 me	Marker 1 [T1] 12.04 dBm	*RBW 1 MHz Marker 1 [T1] *VEW 3 MHz 13.54 dRm	2452 MH	Marker 1 [T1] 15.27 dBm
11	Number of the second	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	



ELAB

APPENDIX E OUTPUT POWER



Test Mode	IEEE 802	2.11b_Ant.1				Tested	Date	2024/3 2024/4	
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Duty Factor	Conducted Power + Dut Factor (dBm	/ Power	lucted + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	21.16	0.1306	2.31	23.47	0.2	223	30.00	1.0000	Complies
2437	21.23	0.1327	2.31	23.54	0.2	259	30.00	1.0000	Complies
2462	21.60	0.1445	2.31	23.91	0.2	460	30.00	1.0000	Complies
Test Mode IEEE 802.11b_Ant.2 Tested Date 2024/3/29- 2024/4/24									
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	,	Conducted Power + Duty Factor (dBm	/ Power	lucted [.] + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	21.58	0.1439	2.31	23.89	0.2	449	30.00	1.0000	Complies
2437	21.68	0.1472	2.31	23.99	0.2	506	30.00	1.0000	Complies
2462	21.52	0.1419	2.31	23.83	0.2	415	30.00	1.0000	Complies
Test Mode	IEEE 802	2.11b_Total				Tested	Date	2024/3 2024/4	
Frequenc (MHz)	y Conducte: (dB	C	Conducted	d Power (W)	Limit (dBm)		Limit (W)		Result
2412	26.	70	0.4	4677	30.00		1.0000	(Complies
2437	26.	78	0.4	4764	30.00		1.0000	(Complies
2462	26.	88	0.4	4875	30.00		1.0000	(Complies



Test Mode	IEEE 802	2.11g_Ant.1				Tested	Date	2024/3 2024/4	
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)		Conducted Power + Dut Factor (dBm	y Power	lucted ⁻ + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	20.35	0.1084	0.22	20.57	0.1	140	30.00	1.0000	Complies
2437	20.86	0.1219	0.22	21.08	0.1	282	30.00	1.0000	Complies
2462	20.42	0.1102	0.22	20.64	0.1	159	30.00	1.0000	Complies
Test Mode	IEEE 802	2.11g_Ant.2				Tested	Date	2024/3 2024/4	
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)		Conducted Power + Dut Factor (dBm	y Power	ducted ⁻ + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	20.11	0.1026	0.22	20.33	0.1	079	30.00	1.0000	Complies
2437	20.12	0.1028	0.22	20.34	0.1	081	30.00	1.0000	Complies
2462	19.72	0.0938	0.22	19.94	0.0	986	30.00	1.0000	Complies
Test Mode	IEEE 802	2.11g_Total				Tested	Date	2024/3 2024/4	
Frequenc (MHz)	cy Conducte (dB	C	Conducted	d Power (W)	Limit (dBm)		Limit (W)		Result
2412	23.	47	0.2	2223	30.00		1.0000	(Complies
2437	23.	74	0.2	2366	30.00		1.0000	(Complies
2462	23.	32	0.2	2148	30.00		1.0000	(Complies



Test Mode	IEEE 802	2.11n (HT20)	20)_Ant.1				Date	2024/3/ 2024/4/	
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)		Conducted Power + Duty Factor (dBm)	Power	lucted ⁻ + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	20.22	0.1052	0.57	20.79	0.1	199	30.00	1.0000	Complies
2437	19.61	0.0914	0.57	20.18	0.1	042	30.00	1.0000	Complies
2462	19.50	0.0891	0.57	20.07	0.1	016	30.00	1.0000	Complies
Test Mode	IEEE 802	11n (HT20))_Ant.2			Tested	Date	2024/3/ 2024/4/	
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	,	Conducted Power + Duty Factor (dBm)	Power	ducted ⁻ + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	20.17	0.1040	0.57	20.74	0.1	186	30.00	1.0000	Complies
2437	19.91	0.0979	0.57	20.48	0.1	117	30.00	1.0000	Complies
2462	19.93	0.0984	0.57	20.50	0.1	122	30.00	1.0000	Complies
Test Mode	IEEE 802	11n (HT20))_Total			Tested	Date	2024/3 2024/4	
Frequenc (MHz)	y Conducte	C	Conducted	d Power (W)	Limit (dBm)		Limit (W)		Result
2412	23.	77	0.2	2382	30.00		1.0000	(Complies
2437	23.	34	0.2	2158	30.00		1.0000	0	Complies
2462	23.	30	0.2	2138	30.00		1.0000	0	Complies



Test Mode	IEEE 802	2.11n (HT40)	10)_Ant.1				Date	2024/3 2024/4	
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)		Conducted Power + Duty Factor (dBm)	Power	lucted + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	16.99	0.0500	1.03	18.02	0.0	634	30.00	1.0000	Complies
2437	19.06	0.0805	1.03	20.09	0.1	021	30.00	1.0000	Complies
2462	19.12	0.0817	1.03	20.15	0.1	035	30.00	1.0000	Complies
Test Mode	IEEE 802	2.11n (HT40))_Ant.2			Tested I	Date	2024/3 2024/4	-
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)		Conducted Power + Duty Factor (dBm)	Power	lucted + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	17.65	0.0582	1.03	18.68	0.0	738	30.00	1.0000	Complies
2437	19.39	0.0869	1.03	20.42	0.1	102	30.00	1.0000	Complies
2462	19.54	0.0899	1.03	20.57	0.1	140	30.00	1.0000	Complies
Test Mode	IEEE 802	11n (HT40))_Total			Tested I	Date	2024/3 2024/4	
Frequenc (MHz)	y Conducte		Conducted	d Power (W)	Limit (dBm)		Limit (W)		Result
2412	21.	37	0.1	1371	30.00		1.0000	(Complies
2437	23.	26	0.2	2118	30.00		1.0000	(Complies
2462	23.	37	0.2	2173	30.00		1.0000	(Complies



Test Mode	IEEE 802	2.11ax (HE2	E20)_Ant.1				Date	2024/3 2024/4	
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	,	Conducted Power + Duty Factor (dBm)	Power	ducted ⁻ + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	19.77	0.0948	0.46	20.23	0.1	054	30.00	1.0000	Complies
2437	19.04	0.0802	0.46	19.50	0.0	891	30.00	1.0000	Complies
2462	19.47	19.47 0.0885		19.93	0.0	984	30.00	1.0000	Complies
Test Mode	IEEE 802	2.11ax (HE2			Tested	Date	2024/3 2024/4		
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	,	Conducted Power + Duty Factor (dBm)	Power	ducted ⁻ + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	20.23	0.1054	0.46	20.69	0.1	172	30.00	1.0000	Complies
2437	19.90	0.0977	0.46	20.36	0.1	086	30.00	1.0000	Complies
2462	19.84	0.0964	0.46	20.30	0.1	072	30.00	1.0000	Complies
Test Mode	IEEE 802	2.11ax (HE2	0)_Total			Tested	Date	2024/3 2024/4	-
Frequenc (MHz)	y Conducte	0	Conducted	d Power (W)	Limit (dBm)		Limit (W)		Result
2412	23.	47	0.2	2223	30.00		1.0000	(Complies
2437	22.	96	0.1	1977	30.00		1.0000		Complies
2462	23.	13	0.2	2056	30.00			· ·	

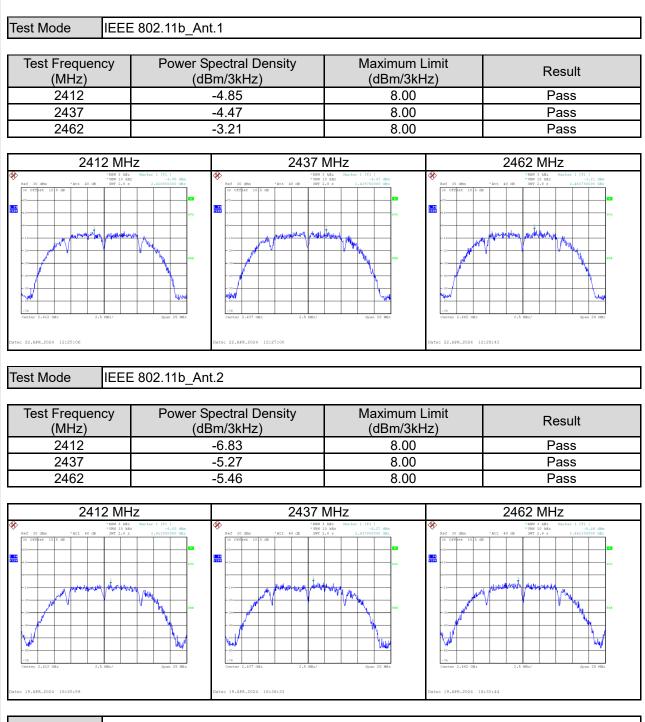


Test Mode	IEEE 802	11ax (HE40	0)_Ant.1			Tested	Date	2024/3 2024/4	-
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)		Conducted Power + Duty Factor (dBm)	Power	ducted ⁻ + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	17.62	0.0578	0.41	18.03	0.0	635	30.00	1.0000	Complies
2437	19.06	0.0805	0.41	19.47	0.0)885	30.00	1.0000	Complies
2462	18.87	0.0771	0.41	19.28	0.0)847	30.00	1.0000	Complies
Test Mode	Test Mode IEEE 802.11ax (HE40)_Ant.2 Tested Date						2024/3 2024/4		
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)		Conducted Power + Duty Factor (dBm)	Power	ducted ⁻ + Duty or (W)	Limit (dBm)	Limit (W)	Result
2412	18.18	0.0658	0.41	18.59	0.0)723	30.00	1.0000	Complies
2437	19.99	0.0998	0.41	20.40	0.1	096	30.00	1.0000	Complies
2462	19.13	0.0818	0.41	19.54	0.0	899	30.00	1.0000	Complies
Test Mode	Test Mode IEEE 802.11ax (HE40)_Total Tested Date 2024/3/29- 2024/4/24								
Frequenc (MHz)	Conducted Power (W)		Result						
2412	21.	21.32 0.1355		1355	30.00		1.0000	(Complies
2437	22.	97	0.2	1982	30.00		1.0000	(Complies
2462	22.	42	0.2	1746	30.00		1.0000	(Complies









Test Mode IEEE 802.11b_Total

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-2.72	8.00	Pass
2437	-1.84	8.00	Pass
2462	-1.18	8.00	Pass



est Mode IEEE	802.11g_An				
Test Frequency (MHz)		pectral Density 3m/3kHz)	Maximum (dBm/3k		Result
2412		-6.68	8.00		Pass
2437		-6.39	8.00		Pass
2462		-7.35	8.00		Pass
2412 MHz	7	2437	MHz		2462 MHz
11	And	10 OTF-NO 16 5 GB		21	
	802.11g_An	Date: 22.APP.2024 12:40:09		Date: 22.AFR.2024 12	2:46:45
Test Frequency (MHz)	Power S	t.2 pectral Density 3m/3kHz)	Maximum (dBm/3k	Limit	Result
Test Frequency (MHz) 2412	Power S	t.2 pectral Density 3m/3kHz) -7.71	Maximum (dBm/3k 8.00	Limit	Result Pass
est Mode IEEE Test Frequency (MHz) 2412 2437	Power S	t.2 pectral Density 3m/3kHz) -7.71 -6.88	Maximum (dBm/3k 8.00 8.00	Limit	Result Pass Pass
Test Frequency (MHz) 2412	Power S	t.2 pectral Density 3m/3kHz) -7.71	Maximum (dBm/3k 8.00	Limit	Result Pass
Test Frequency (MHz) 2412 2437 2462 2412 MHz	Power S (dE	t.2 pectral Density 3m/3kHz) -7.71 -6.88 -7.86 2437	Maximum (dBm/3k 8.00 8.00 8.00 MHz	Limit Hz)	Result Pass Pass Pass 2462 MHz
est Mode IEEE Test Frequency (MHz) 2412 2437 2462 2412 MHz	Power S (dE	t.2 pectral Density Bm/3kHz) -7.71 -6.88 -7.86	Maximum (dBm/3k 8.00 8.00 8.00 8.00	Limit Hz)	Result Pass Pass Pass Pass 2462 MHz
Test Frequency (MHz) IEEE 2412 2437 2462 2462	Power S (dE	t.2 pectral Density 3m/3kHz) -7.71 -6.88 -7.86 2437 I	Maximum (dBm/3k 8.00 8.00 8.00 8.00	Limit Hz)	Result Pass Pass
Eest Mode IEEE Test Frequency (MHz) 2412 2437 2462 Called Distribution of the second of	Power S (dE	t.2 pectral Density 3m/3kHz) -7.71 -6.88 -7.86 24337 I	Maximum (dBm/3k 8.00 8.00 8.00 8.00	Limit Hz)	Result Pass Pass

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-4.15	8.00	Pass
2437	-3.62	8.00	Pass
2462	-4.59	8.00	Pass



Test Frequency		pectral Density	Maximum		Result
(MHz) 2412	(di	3m/3kHz) -1.99	(dBm/3k 8.00		Pass
2437		-1.52	8.00		Pass
2462		-0.56	8.00		Pass
2102		0.00	0.00		1 400
2412 MHz		2437	MHz		2462 MHz
		200 100 100 100 100 100 100 100		- 10	
22.APF.2024 12:55:23	B02.11n (HT	Center 2.437 (dit 2.6 MBr/ Date: 22.AFF.2024 12:57:09	2 ppart 25 1082	Center 2.462 GHz Date: 22.APR.2024 11	2.6 MHz/ 2pan 25 MHz
221,APR.2024 12:55:23 Pest Mode IEEE 8 Test Frequency (MHz) 2412 2437	02.11n (HT Power S	Dete: 22.APF.2024 12:57:09 T20)_Ant.2 Spectral Density Bm/3kHz) -6.08 -5.76	Maximum (dBm/3k 8.00 8.00	Limit	Result Pass Pass
22.APR.2024 12:55:23 est Mode IEEE 8 Test Frequency (MHz) 2412	02.11n (HT Power S	Date: 22.AP5.2024 12:57:09 T20)_Ant.2 Spectral Density Bm/3kHz) -6.08	Maximum (dBm/3k 8.00	Limit	Result
22.APR.2024 12:55:23 est Mode IEEE 8 Test Frequency (MHz) 2412 2437 2462	02.11n (HT Power S	Date: 22,AP8.2024 12:57:09 T20)_Ant.2 Spectral Density Bm/3kHz) -6.08 -5.76 -6.08	Maximum (dBm/3k 8.00 8.00 8.00	Limit	Result Pass Pass Pass Pass
222.APP.2024 12:55:23 225 Mode IEEE 8 Test Frequency (MHz) 2412 2437 2462 2412 MHz	02.11n (HT Power S (dE	Dete: 22.AFF.2024 12:57:09 T20)_Ant.2 Dectral Density Bm/3kHz) -6.08 -5.76 -6.08 2437	Maximum (dBm/3k 8.00 8.00 8.00 MHz	Date: 22.APR.2024 11	Result Pass Pass Pass 2462 MHz
IEEE 8 Test Frequency (MHz) 2412 2437 2462	802.11n (HT Power S (dE	Dete: 22.AFF.2024 12:57:09 T20)_Ant.2 Dectral Density Bm/3kHz) -6.08 -5.76 -6.08 2437	Maximum (dBm/3k 8.00 8.00 8.00 8.00 8.00	Date: 22.APR.2024 1:	Result Pass Pass Pass Pass
EST Mode IEEE 8 Test Frequency (MHz) 2412 2437 2462 2462 2462 2462	802.11n (HT Power S (dE	Dete: 22.APF.2024 12:57:09 T20)_Ant.2 pectral Density Bm/3kHz) -6.08 -5.76 -6.08 2437 ************************************	Maximum (dBm/3k 8.00 8.00 8.00 8.00	Ente: 22.APP.2024 12	Result Pass Pass Pass Pass

Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2412	-0.56	8.00	Pass
2437	-0.13	8.00	Pass
2462	0.51	8.00	Pass