



TEST REPORT FOR WLAN TESTING

Report No.: SRTC2023-9004(F)-23121901(F)

Product Name: Edge computer

Product Model: EC300

Series Model: EC302, EC312, EC322, EC304, EC314, EC324

Applicant: Beijing InHand Networks Technology Co., Ltd.

Manufacturer: Beijing InHand Networks Technology Co., Ltd.

Specification: FCC Part 15 Subpart C (2022)

FCC ID: 2AANYEC300

Contain FCC ID: XMR202008EG91NAXD

The State Radio_monitoring_center Testing Center (SRTC) 15th Building, No.30Shixing Street, Shijingshan District, Beijing, P.R.China Tel: 86-10-57996183 Fax: 86-10-57996388



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1. GENERAL INFORMATION

1.1 Notes of the test report

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1.2 Information about the testing laboratory

Company:	The State Radio_monitoring_center Testing Center (SRTC)
Test Site 1:	15th Building, No.30 Shixing Street, Shijingshan District
Test Site 2:	No.80, Zhaojiachang, Beizang, Daxing District
City:	Beijing
Country or Region:	P.R.China
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Designation Number:	CN1267
Registration number:	239125

1.3 Applicant's details

Company:	Beijing InHand Networks Technology Co., Ltd.		
Address: Room 501, floor 5, building 3, yard 18, ziyue road, ch			
Address.	district, Beijing		
City:	Beijing		
Country or Region:	China		
Contacted person:	GuJichi		
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1.4 Manufacturer's details

Company:	Beijing InHand Networks Technology Co., Ltd.		
Address:	Room 501, floor 5, building 3, yard 18, ziyue road, chaoyang district, Beijing		
City:	Beijing		
Country or Region:	China		
Contacted person:	GuJichi		
Tel:	15281366255		
Email:	gujc@inhand.com.cn		



1.5 Test Environment

Date of Receipt of test sample at SRTC:	2023-12-19
Testing Start Date:	2023-12-20
Testing End Date:	2024-1-12

Environmental Data:	Temperature (°C)	Humidity (%)
Ambient	25	40
Maximum Extreme	70	
Minimum Extreme	-20	
Normal Supply Voltage (V d.c.):	12	
Maximum Extreme Supply Voltage (V d.c.):	48	
Minimum Extreme Supply Voltage (V d.c.):	9	

2 DESCRIPTION OF THE DEVICE UNDER TEST

2.1Final Equipment Build Status

Frequency Band:	2.412GHz~2.462GHz			
Number of Channel For 20MHz:	11			
Number of Channel For 40MHz:	7			
	802.11b			
Modulation Type:	802.11g			
	802.11n (HT20/HT40)			
Power Supply:	DC supply			
Antenna gain:	3.0dBi			
Directional Gain:	NA			
Software Revision:	V2.0			
Hardware Revision:	V1.2			
Antenna type:	Refer to Note			
Antenna connector:	Refer to Note			

NOTE: Test Model No.: EC300 Series Model No.:EC302, EC312, EC322, EC304, EC314, EC324 These models are the same in these:appearance,PCB layout and basic software function;The only difference is that the products are used in different markets. The market for each model is listed below:

EC300	New energy charging pile
EC302	Smart power system network
EC312	Industrial robot networking
EC322	Supply of heat/ water/gas
EC304	Industrial automation factory

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EC314	Medical equipment networking
EC324	Intelligent agriculture

Note: Antenna requirement (FCC part 15.203)

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

•The antenna(s) of the EUT are permanently attached.

•There are no provisions for connection to an external antenna.

Note: The antenna provides to the EUT, please refer to the following table:

Brand	Model	Antenna gain	Frequency band	Antenna type	Connecter Type
N/A	N/A	3.0dBi	2.4GHz~2.4835GHz	Sucker antenna	RP-SMA

The antenna gain is provided by the customer and involved in the calculation and influence of the test results. Our laboratory takes the value declared by the customer as the criterion, and the customer is responsible for the antenna gain value. Manufacturers ensure that their designs will not be modified by the user or third party's arbitrary antenna parameters and performance.

2.2Description of Test Modes

11 channels are provided to this EUT:

CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437		

2.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE	APPLICABLE TO			DESCRIPTION	
MODE	RE≥1G RE<1G PLC APCM			-	
-				\checkmark	-

Where

RE ≥ 1G: Radiated Emission above 1GHz RE<1G: Radiated Emission below 1GHz PLC: Power Line Conducted Emission APCM: Antenna Port Conducted Measurement

Radiated Emission Test (Above 1GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible



combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE	DATA RATE (Mbps)
1 to 11	1,6,11	802.11b	1
1 to 11	1,6,11	802.11g	6
1 to 11	1,6,11	802.11n 20	MCS0

Radiated Emission Test (Below 1GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE	DATA RATE (Mbps)
1 to 11	1,6,11	802.11b	1
1 to 11	1,6,11	802.11g	6
1 to 11	1,6,11	802.11n 20	MCS0

Power Line Conducted Emission Test:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE	DATA RATE (Mbps)
1 to 11	6	802.11b	1

Antenna Port Conducted Measurement:

This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE	TESTED CHANNEL	MODULATION TYPE	DATA RATE (Mbps)
-----------	----------------	-----------------	------------------



Filsk/1926-Euros-1	Ω		
CHANNEL			
1 to 11	1,6,11	802.11b	1
1 to 11	1,6,11	802.11g	6
1 to 11	1,6,11	802.11n 20	MCS0

2.3 EUT Operating conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

2.4 Support Equipment

The following support equipment was used to exercise the DUT during testing: N/A

<u>3 REFERENCE SPECIFICATION</u>

Specification	Version	Title
FCC part15 Subpart C	2022	Intentional radiators
ANSI C63.10	2013	Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074D01 V05R02	April 2, 2019	Guidance for compliance measurements on Digital transmission system, frequency hopping spread spectrum system, and hybrid system devices operating under section 15.247 of the FCC rules

4 KEY TO NOTES AND RESULT CODES

Code	Meaning
PASS	Test result shows that the requirements of the relevant specification have been met.
FAIL	Test result shows that the requirements of the relevant specification have not been met.
N/T	Test case is not tested.



5 RESULT SUMMARY

No.	Test case	Reference	Verdict	Test Site
1	Transmitter Output Power	15.247(b)(3)	Pass	1
2	6dB Bandwidth	15.247(a)(2)	Pass	1
3	Transmitter Power Spectral Density	15.247(e)	Pass	1
4	Conducted Out of band emission measurement	15.247(d)	Pass	1
5	Band Edge	15.247(d)	Pass	1
6	Antenna requirement	15.203	Pass(refer to section 2.1)	1

Test Site 1: 15th Building, No.30 Shixing Street, Shijingshan District

This Test Report Is Approved by:	Review by:
Mr. Peng Zhen	Mr. Li Bin P
彭板	(A 7FK)
Tested and Issued by:	Approved date:
Mr. LiangXisheng	
动力子	20240112



No.	Test case	Reference	Verdict	Test Site
7	Spurious Radiated Emissions	15.205/15.209	Pass	2
8	AC Power line Conducted Emission	15.207	Pass	2

Test Site 2: No.80, Zhaojiachang, Beizang, Daxing District

This Test Report Is Approved by: Mr. Liu Wei	Review by: Mr. Guo Yu
Tested and Issued by:	Approved date:
Mr. Dong Qifeng	20240442
董奇峰	20240112



6 TEST RESULT

6.1 Peak Power Output

6.2.1 Test limit

Part15.247 (b) (3) The maximum permissible conducted output power is 1 Watt.

6.2.2 Test Procedure Used

ANSI C63.10-2013 – Section 11.9.1.3 ANSI C63.10-2013 – Section 11.9.2.3.2 KDB 558074 D01 v05r02 – Section 8.3.1.3

6.2.3 Test Settings

Peak Power Measurement

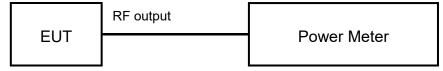
The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

6.2.4 Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



6.2.5 Test result

The test results are shown in Appendix A.



6.1.1 Test limit

Part15.247 (a) (2) The minimum permissible 6dB bandwidth is 500 kHz

6.1.2 Test Procedure Used

ANSI C63.10-2013 – Section 11.8.2 Option 2 KDB 558074 D01 v05r02 – Section 8.2

6.1.3 Test Settings

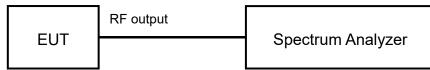
1. The signal analyzers' automatic bandwidth measurement capability of the spectrum analyzer was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 6. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.

2. RBW = 100 kHz

- 3. VBW \ge 3 x RBW
- 4. Detector = Peak
- 5. Trace mode = max hold
- 6. Sweep = auto couple
- 7. The trace was allowed to stabilize

6.1.4 Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



6.1.5 Test result

The test results are shown in Appendix A.



6.3 Transmitter Power Spectral Density

6.3.1 Test limit

Part15.247 (e) The maximum permissible power spectral density is 8.0dBm in any 3 kHz band.

6.3.2 Test Procedure Used

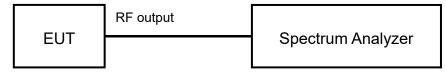
ANSI C63.10-2013 – Section 11.10.2 Method PKPSD KDB 558074 D01 v05r02 – Section 8.4

6.3.3 Test Settings

- 1. Analyzer was set to the center frequency of the DTS channel under investigation
- 2. Span = 1.5 times the DTS channel bandwidth
- 3. RBW = 30 kHz
- 4. VBW = 100 kHz
- 5. Detector = peak
- 6. Sweep time = auto couple
- 7. Trace mode = max hold
- 8. Trace was allowed to stabilize

6.3.4 Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



6.3.5 Test result

The test results are shown in Appendix A.



6.4 Conducted Out of band emission measurement

6.4.1Test limit

Part 15.247(d): The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth.

6.4.2 Test Procedure Used

ANSI C63.10-2013 – Section 11.11.3 KDB 558074 D01 v05r02 – Section 8.5

6.4.3 Reference level measurement Settings

Establish a reference level by using the following procedure:

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to \geq 1.5 MHz
- c) Set the RBW = 100 kHz.
- d) Set the VBW \geq 300 kHz.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

6.4.4 Test Settings

a) Set the center frequency and span to encompass frequency range to be measured.

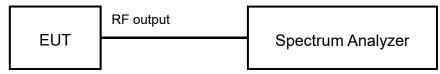
b) Set the RBW = 100 kHz.

c) Set the VBW \ge 300 kHz.

- d) Detector = peak.
- e) Set span to encompass the spectrum to be examined
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level.

6.4.5 Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



6.4.6 Test result

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement. The test results are shown in Appendix A.





6.5 Band-edge measurement

6.5.1Test limit

Part 15.247(d): The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth.

6.5.2 Test Procedure Used

ANSI C63.10-2013 – Section 11.11.3 KDB 558074 D01 v05r02 – Section 8.7.2

6.5.3 Reference level measurement Settings

Establish a reference level by using the following procedure:

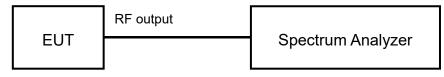
- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to \geq 1.5 MHz
- c) Set the RBW = 100 kHz.
- d) Set the VBW \geq 300 kHz.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

6.5.4 Test Settings

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW \geq 300 kHz.
- d) Detector = peak.
- e) Set span to encompass the spectrum to be examined
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level.

6.5.5 Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



6.5.6 Test result

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement. The test results are shown in Appendix A.



6.6 Spurious Radiated Emissions

6.6.1 Test Description

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at maximum power and at the appropriate frequencies. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

6.6.2 Test limit

Part15.205, 15.209, 15.247(d)

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in below Table per Section 15.209. The spectrum shall be investigated from the lowest radio frequency signal generated in the device

Frequency [MHz]	Field strength	Measured Distance		
	[µV/m]	[meters]		
0.009~0.490	2400/F(kHz)	300		
0.490~1.705	24000/F(kHz)	30		
1.705~30.0	30	30		
30~88	100	3		
88~216	150	3		
216~960	200	3		
Above 960	500	3		
Radiated Limits				

Part15.35(b):

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit

Used conversion factor: Limit $(dB\mu V/m) = 20 \log (Limit (\mu V/m)/1\mu V/m)$

Frequency [MHz]	Detector	Unit (dBµV/m)
30~88	Quasi-peak	40.0
88~216	Quasi-peak	43.5
216~960	Quasi-peak	46.0
960~1000	Quasi-peak	54.0
1000 \sim 5th harmonic of the highest frequency	Average	54.0
or 40GHz, whichever is lower	Peak	74.0

Conversion Radiated limits



6.6.3 Test Procedure Used

ANSI C63.10-2013

For Radiated emission below 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. Both X and Y axes of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Quasi-Peak Detect Function and recorded the reading with Maximum Hold Mode.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer complied the following setting:

Frequency	RBW
9-150kHz	200-300Hz
0.15-30MHz	9-10kHz

2. Signals below 30MHz are not recorded in the report because they are lower than the limits by more than 20dB.

For Radiated emission above 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for $30MHz \sim 1GHz$) / 1.5 meters (for above 1GHz) above the ground in chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. 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 from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to quasi-peak detect function and recorded the reading with Maximum Hold Mode when the test frequency is below 1 GHz.

f. The test-receiver system was set to peak and average detector and recorded the reading with Maximum Hold Mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.



For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1GHz.

2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.

3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Average detection (AV) at frequency above 1GHz. If duty cycle of test signal is < 98%, the duty factor need added to measured value.

4. All modes of operation were investigated and the worst-case emissions are reported.

6.6.4 Test Settings

Average Field Strength Measurements

Frequency	Detector
<1000MHz	Quasi-peak
>1000MHz	Peak and average

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW is set depending on measurement frequency, as specified in following table

Frequency	RBW
9-150kHz	200-300Hz
0.15-30MHz	9-10kHz
30-1000MHz	100-120kHz
>1000MHz	1MHz

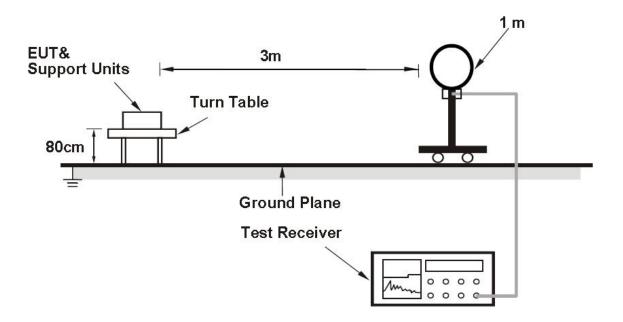
3. VBW = 3MHz

4. Detector = peak

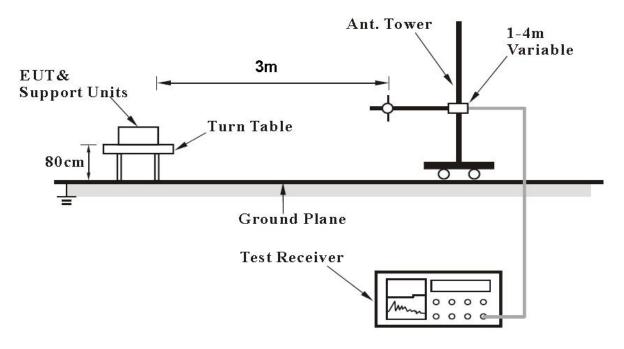
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize



For Radiated emission below 30MHz

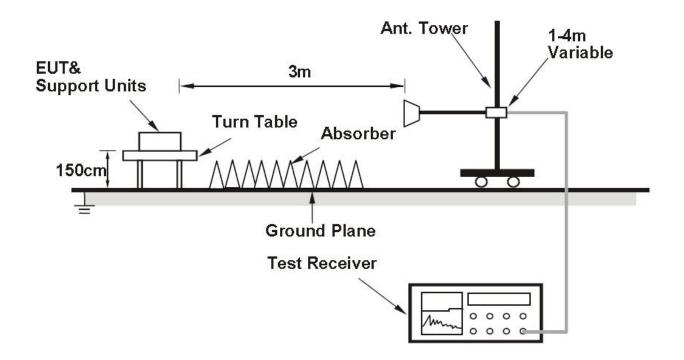


For Radiated emission 30MHz to 1GHz





For Radiated emission above 1GHz



6.6.6 Test result

The test results are shown in Appendix B.



6.7 AC Power line Conducted Emission

6.7.1 Test limit

FCC Part15.207

Frequency of Emission (MHz)	Conducted	Limit (dBuV)
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

The measurement is made according to ANSI C63.10-2013

6.7.2 Test Procedures

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

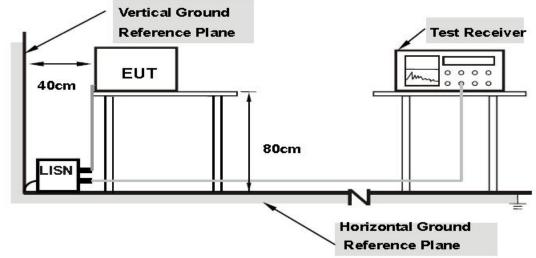
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

NOTE: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

The EUT shall test under the power AC120V/240V/60Hz.





For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.7.4 Test result

The test results are shown in AppendixB.



7 MEASUREMENT UNCERTAINTIES

Items	Uncer	tainty		
6dB Bandwidth	3kł	Ηz		
Peak power output	0.67dB			
Transmitter Power Spectral Density	0.75	idB		
Band edge compliance	1.20	dB		
	30MHz~1GHz	2.83dB		
Conducted Out of band emission measurement	1GHz \sim 12.75GHz	2.50dB		
medsurement	12.75GHz \sim 25GHz	2.75dB		
	30 MHz \sim 200 MHz	4.88dB		
Spurious Radiated Emissions	200MHz \sim 1GHz	4.87dB		
Spurious Radiated Emissions	1GHz \sim 18GHz	4.58dB		
	18GHz~40GHz	4.35dB		
AC Power line Conducted Emission	3.92	dB		



8 TEST EQUIPMENTS

No.	Name/ Model	Manufacturer	S/N	Cal date	Cal Due date
1.	Spectrum Analyzer / FSV	ROHDE & SCHWARZ	101065	2023.06.21	2024.06.20
2.	Signal Analyzer / N9020A	Agilent	MY48010771	2023.03.06	2024.03.05
3.	Bluetooth Test Set / MT8852B	Anritsu	1329003	2023.06.21	2024.06.20
4.	Power Divider / 11667A	HP	19632	2023.06.21	2024.06.20
5.	Signal Generator / SMBV100A	R&S	260910	2023.06.21	2024.06.20
6.	Temperature chamber / SH241	ESPEC	92013758	2023.06.21	2024.06.20
7.	Fully-Anechoic Chamber / 12.65m×8.03m×7.50m	FRANKONIA			
8.	Semi-Anechoic/Chamber / 23.18m×16.88m×9.60m	FRANKONIA			
9.	Turn table Diameter:1m	FRANKONIA			
10.	Turn table Diameter:5m	FRANKONIA			
11.	Antenna master FAC(MA4.0)	MATURO			
12.	Antenna master SAC(MA4.0)	MATURO			
13.	Shielding room / 9.080m×5.255m×3.525m	FRANKONIA			
14.	Double-Ridged Waveguide Horn Antenna / HF 907	R&S	100512	2023.06.21	2024.06.20
15.	Double-Ridged Waveguide Horn Antenna / HF 907	R&S	100513	2023.06.21	2024.06.20
16.	Ultra log antenna / HL562	R&S	100016	2023.06.21	2024.06.20
17.	Receive antenna /3160-09	SCHWARZ-BECK	002058-002	2023.06.21	2024.06.20
18.	EMI test receiver / ESI 40	R&S	100015	2023.06.21	2024.06.20
19.	EMI test receiver / ESCS30	R&S	100029	2023.06.21	2024.06.20
20.	Receive antenna / HL562	R&S	100167	2023.06.21	2024.06.20
21.	AMN / ENV216	R&S	3560.6550.12	2023.06.21	2024.06.20
22.	WLAN AP WIA3300-20	SKSpruce	8152017060700339		
23.	Notebook E470c	Lenovo	PF10UZW7		
24.	Loop Antenna	R&S	100340	2023.08.21	2024.08.20
25.	FCC auto test system / RT9200BW-2	Radiosky	V2.05	/	1
26.	EMI test software / EMC32	R&S	V10.20.01	/	/



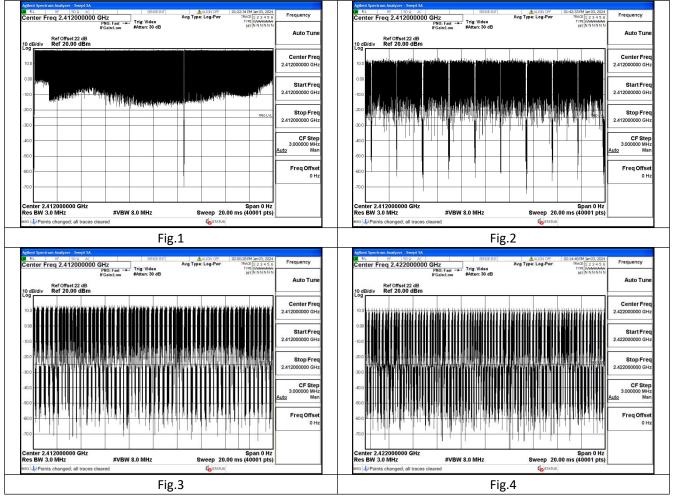
APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Offset 1.2dB = Temporary antenna connector loss 0.2dB+ Cable loss 1.0dB

Duty Cycle

Modulation Type	Frequency (MHz)	Antenna	Plot	Duty Cycle	Correction Factor(dB)
802.11b	2412	Chain0	Fig.1	99.98%	0
802.11g	2412	Chain0	Fig.2	99.90%	0
802.11n HT20	2412	Chain0	Fig.3	99.53%	0
802.11n HT40	2422	Chain0	Fig.4	99.22%	0

Note: Correction Factor=10*log (1/Duty Cycle)





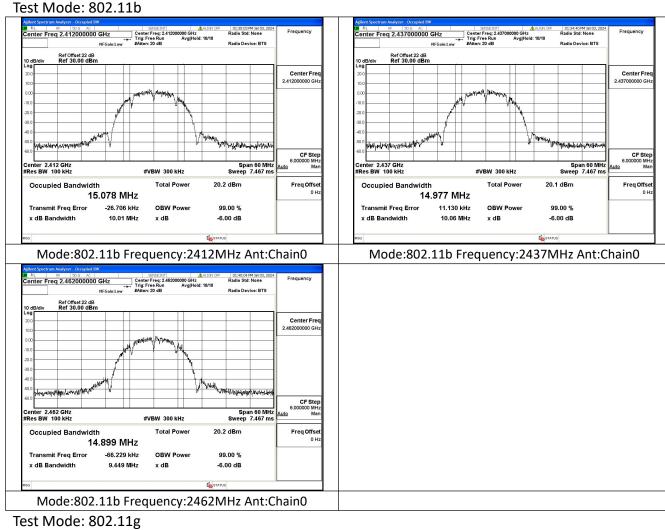
Conducted power

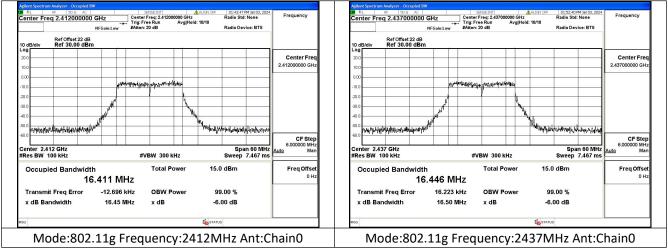
Conducted p	onei				
Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Peak power output (dBm)	Average power output (dBm)
802.11b	NA	2412	Chain0	20.06	16.92
802.11b	NA	2437	Chain0	19.91	16.76
802.11b	NA	2462	Chain0	19.82	16.64
802.11g	NA	2412	Chain0	19.49	12.05
802.11g	NA	2437	Chain0	19.24	11.89
802.11g	NA	2462	Chain0	19.24	11.80
802.11n HT20	NA	2412	Chain0	19.94	10.86
802.11n HT20	NA	2437	Chain0	19.58	10.91
802.11n HT20	NA	2462	Chain0	19.55	10.61
802.11n HT40	NA	2422	Chain0	19.90	10.23
802.11n HT40	NA	2437	Chain0	19.81	10.33
802.11n HT40	NA	2452	Chain0	19.80	10.30

6dB Bandwidth

			6 dB bandwidth (MHz)	
Test Mode	Antenna	Channel No.1	Channel No.6	Channel No.11
		2412MHz	2437MHz	2462MHz
802.11b	Chain0	10.01	10.06	9.45
802.11g	Chain0	16.45	16.50	16.46
802.11n HT20	Chain0	16.82	17.01	16.61

			6 dB bandwidth (MHz)	
Test Mode	Antenna	Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	35.57	36.39	35.07



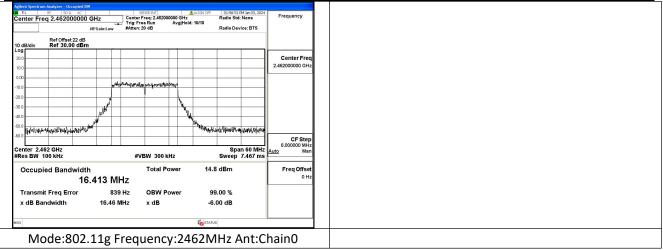


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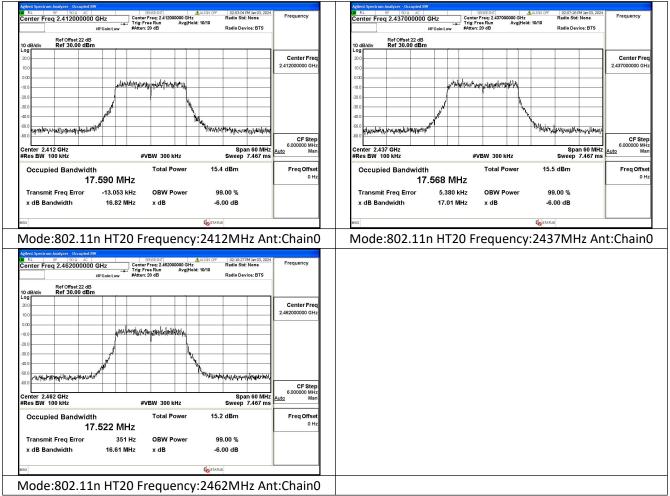




No.: SRTC2023-9004(F)-23121901(F) FCC ID: 2AANYEC300



Test Mode: 802.11n HT20





No.: SRTC2023-9004(F)-23121901(F) FCC ID: 2AANYEC300

Test Mode: 802.11n HT40

enter Freq 2.422000000 GHz #IFGain:Low	Trig:Free Run Avg Hold:10: #Atten:20 dB	/10 Radio Device: BTS		Center Freq 2.437000	Trid	g:FreeRun Avg ten:20 dB	Hold: 10/10	Radio Device: BTS	_
Ref Offset 22 dB 0 dB/div Ref 30.00 dBm				Ref Offset 2 10 dB/div Ref 30.00	2 dB dBm				
29			Center Freq 2.422000000 GHz	20.0 10.0 0.00					Center Fre 2.437000000 GF
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	mentanity poladistant	Marine international and		-10.0 -30.0 -30.0 -40.0 -50.0 		1999 11. 1999 11. 1999 11. 1999 11. 1999 11. 1999 11. 1999 11. 1999 11. 1999 11. 1999 11. 1999 11. 1999 11. 19	× .	- (botMideeury)awayse	-
enter 2.422 GHz Res BW 100 kHz	#VBW 300 kHz		CF Step 10.000000 MHz Auto Man	-60.0 Center 2.437 GHz #Res BW 100 kHz		#VBW 300 kHz		Span 100 M⊦ Sweep 12.4 m	
Occupied Bandwidth 36.070 M	Total Power IHZ	15.4 dBm	Freq Offset 0 Hz	Occupied Bandw	vidth 36.172 MHz	Total Power	15.4	dBm	Freq Offs 01
Transmit Freq Error -40.432		99.00 %		Transmit Freq Erro	r -29.820 kHz 36.39 MHz	OBW Power x dB		.00 % 00 dB	
x dB Bandwidth 35.57	MHz xdB	-6.00 dB		x dB Bandwidth			-0.0		
Iode:802.11n HT4		2422MHz Ant RACE 1029391413n03,2024 Radio Std: None	t:Chain0	Mode:802.2			I status	1	nt:Chain
and Essential Addyner - Oncupied BW N.L. IP 0000 acd IP 0000 acd IP Inter Freq 2452000000 GHz IPGalant.ow Bildidy Ref Offset 22 dB Ref Offset 22 dB	40 Frequency:2	2422MHz Ant	Frequency Center Freq	маа			I status	1	nt:Chain
Ande:802.11n HT4		2422MHz Ant RACE 1029391413n03,2024 Radio Std: None	Frequency	маа			I status	1	nt:Chain
Ande:802.11n HT4	40 Frequency:2	2422MHz Ant RACE 1029391413n03,2024 Radio Std: None	Frequency Center Freq 2.452000000 GHz	маа			I status	1	nt:Chain
And Carl State Sta		Andio Std. None Radio Std. None Radio Device BTS	Frequency Center Freq 2.45200000 GHz	маа			I status	1	nt:Chain
And Constant Autory Coccupied BY	40 Frequency:2	Antus 2422MHz Ant 102-20-20 Marila, 2024 Radio Stat. None Radio Device: BTS	Frequency Center Freq 2.45200000 GHz	маа			I status	1	nt:Chain
And Construction of the second state of the se	#VBW 300 KHz FVBW 200 KHz KHZ OBW Power	Span 100 MHz Sweep 12.4 ms	Frequency Center Freq 2.45200000 GHz 10.000000 HHz 10.000000 HHz Man Freq Offset	маа			I status	1	nt:Chain

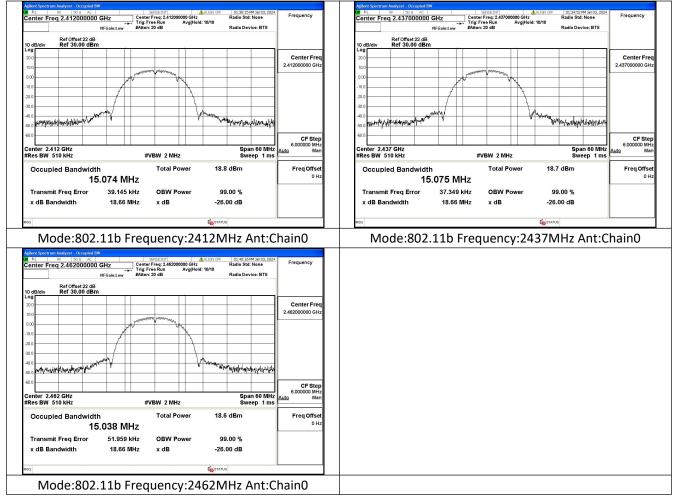


99% Bandwidth

			99% bandwidth (MHz)	
Test Mode	Antenna	Channel No.1	Channel No.6	Channel No.11
		2412MHz	2437MHz	2462MHz
802.11b	Chain0	15.074	15.075	15.038
802.11g	Chain0	16.738	16.840	16.678
802.11n HT20	Chain0	17.756	17.775	17.722

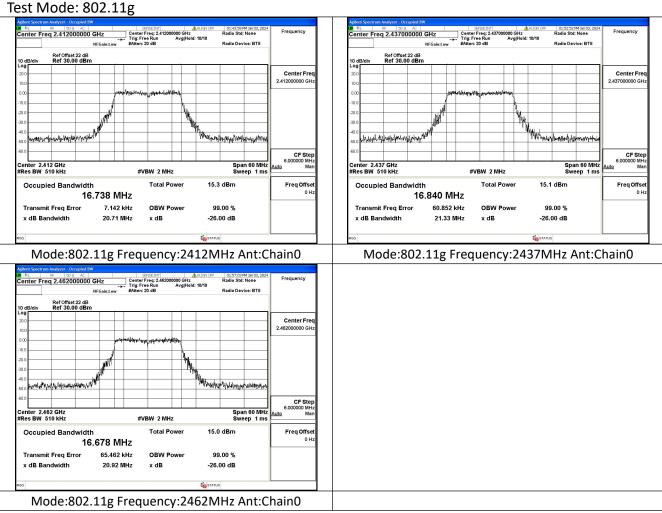
			99% bandwidth (MHz)	
Test Mode	Antenna	Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	36.185	36.182	36.310

Test Mode: 802.11b

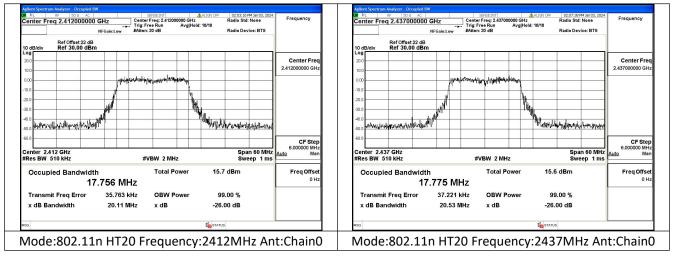




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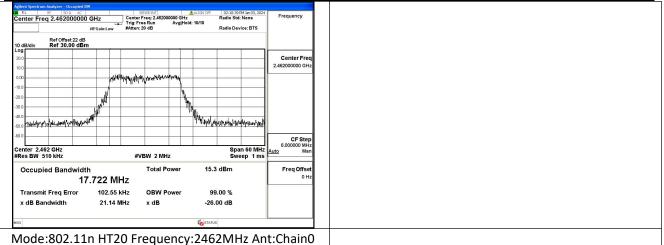


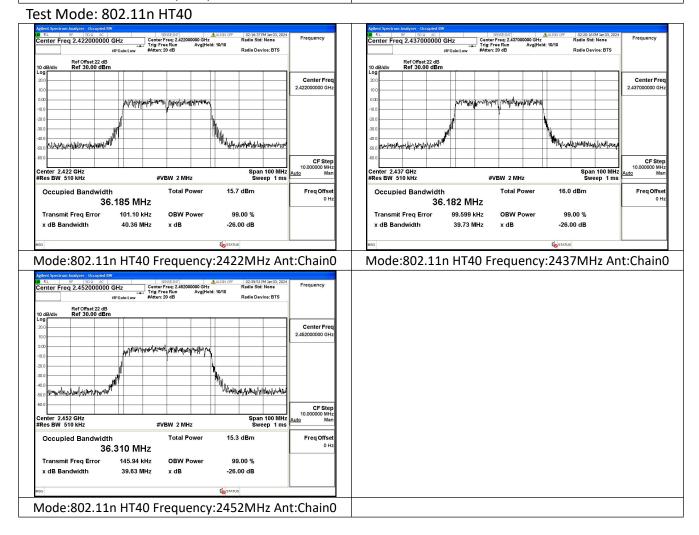
Test Mode: 802.11n HT20





No.: SRTC2023-9004(F)-23121901(F) FCC ID: 2AANYEC300







Transmitter Power Spectral Density

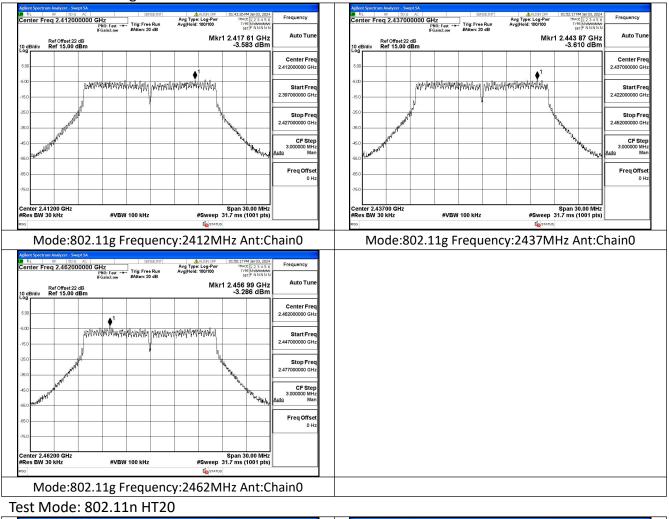
			Po	ower Density(dBm/3KH	lz)
Test Mode	Antenna	Tones	Channel No.1	Channel No.6	Channel No.11
			2412MHz	2437MHz	2462MHz
802.11b	Chain0	NA	-6.470	-7.054	-5.806
802.11g	Chain0	NA	-13.583	-13.610	-13.286
802.11n HT20	Chain0	NA	-12.899	-12.967	-13.073

			Po	ower Density(dBm/3KH	lz)
Test Mode	Antenna	Tones	Channel No.3	Channel No.6	Channel No.9
			2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	NA	-15.799	-15.890	-15.772

Test Mode: 802.11b

Applient Spectrum Analyzer - Swept SA WR RL RF S0 0 AC SENSE:N Center Freq 2.412000000 GHz FN0: Fast → Trig: Free Run IFGaintow #Atten: 20 dB	Avg Type: Log-Pwr TRACE 1 2 3 4 5 6	Ce	RL RF 50 P AC enter Freq 2.437000000 GF IF	Hz PNO: Fast Trig: Free Run FGain:Low #Atten: 20 dB	Avg Type: Log-Pwr Avg Hold: 100/100	01:34:12 PM Jan 03, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWWWW DET P N N N N N	Frequency
Ref Offset 22 dB 0 dB/div Ref 15.00 dBm	Mkr1 2.410 50 GHz 3.530 dBm	Auto Tune	Ref Offset 22 dB dB/div Ref 15.00 dBm		Mkr	r1 2.436 49 GHz 2.946 dBm	Auto Tur
	munghabura	Center Freq 2.412000000 GHz 5.0		maraturne methode	humpe		Center Fre 2.437000000 GH
-500	- Mary Mary	Start Freq 2.397000000 GHz -15.	1 Martin		- Winner		Start Fre 2.422000000 GH
250		Stop Freq -25. 2.427000000 GHz -35.			,	N.	Stop Fre 2.452000000 GH
45.0 00000000000000000000000000000000000	Hubinand	CF Step 3.000000 MHz uto Man	an Wr			w Mulaning	CF Ste 3.000000 MH Auto Ma
65.0		Freq Offset 0 Hz					Freq Offs
-75.0	Span 30.00 MHz	-75.	0			Span 30.00 MHz	
#Res BW 30 kHz #VBW 100 kHz	#Sweep 31.7 ms (1001 pts)		es BW 30 kHz	#VBW 100 kHz		31.7 ms (1001 pts)	
PN0: Fast	▲ ▲ 339 OFF 01:37:47 FM 3an 03, 2024 Avg Type: Log-Pwr Avg Hold: 100/100 TYPE MANNAN ER P NANNAN Mkr1 2.462 51 GHz	ainO Frequency Auto Tune	Mode:802.1	L1b Frequend	دy:2437W		hain0
Applient Spectrum Analyzer - Swept SA 20 RL RF 50 Q AC SENSE:NY Center Freq 2.4622000000 GHz PN0: Fast → Trig: Free Run	Ancy:2412MHz Ant:Cl	Frequency	Mode:802.1	L1b Frequen			hainO

No.: SRTC2023-9004(F)-23121901(F) FCC ID: 2AANYEC300



PHO: Fast ++- Trig: Free Run AvgiHoid: 100/100 PHO: Fast ++- Trig: Free Run AvgiHoid: 100/100 #Atten: 20 dB Mkr1 2.4 Ref Offset 22 dB Mkr1 2.4	6 98 GHz Auto Tune 899 dBm	IF0 Ref Offset 22 dB	IZ Avg NO: Fast ++- Trig: Free Run Avg Sain:Low #Atten: 20 dB	Type: Log-Pwr Hold: 100/100 Mkr1 2.441 98 GHz -2.967 dBm	Frequency Auto Tur
10 dBidiv Ref 15.00 dBm	Center Freq 2.412000000 GHz	10 dB/div Ref 15.00 dBm		▲1	Center Fre 2.437000000 GH
500 WWWWWWWWWWWWWWWWWWWWWWWWW	Start Freq 2.397000000 GHz	-5.00 -15.0	withon which which a phylogen and a	NNN WWWW	Start Fre 2.422000000 GH
	Stop Freq 2.427000000 GHz GF Step 3.00000 MHz 3.00000 MHz Man	-25.0 		Malana Antonio	Stop Fre 2.45200000 GF CF Ste 3.000000 MH Auto Ma
50 AYY 50	Freq Offset	-55.0			Freq Offs 0 H
Denter 2.41200 GHz Span Res BW 30 kHz #VBW 100 kHz #Sweep 31.7 m sci	30.00 MHz s (1001 pts)	Center 2.43700 GHz #Res BW 30 kHz	#VBW 100 kHz	Span 30.00 MHz #Sweep 31.7 ms (1001 pts)	

Test Mode: 802.11g



No.: SRTC2023-9004(F)-23121901(F) FCC ID: 2AANYEC300

RL	F	Malyzer - Swi RF 50 Ω 2.46200	AC 00000 GH	Hz NO: Fast ↔ Gain:Low		NSE:INT e Run 0 dB	Avg Type Avg Hold:	ALIGN OFF : Log-Pwr 100/100	02:09:57 PM Jan 03, 202 TRACE 1 2 3 4 5 1 TYPE M WWWWW DET P N N N N	Frequency
10 dB/d Log	Re div R e	ef Offset 22 ef 15.00 c	dB dBm					Mkr	1 2.466 98 GHz -3.073 dBm	Auto Tune
6.00 —							♦ ¹			Center Freq 2.462000000 GHz
-5.00 -			milleur	University	Wipiyahan	han an a	MNIMMI	Malling		Start Freq 2.447000000 GHz
-25.0 —		م مىل	¢			π			N	Stop Freq 2.477000000 GHz
-35.0	Loki	Wyanthan							Wildelm	CF Step 3.000000 MHz
-55.0 *4	unitativa.								WW LAND	Auto Man Freq Offset
-75.0										0 Hz
#Res	er 2.462 BW 30			#VBW	/ 100 kHz				Span 30.00 MHz 31.7 ms (1001 pts	
Mo	de:	802	11n	HT2	0 Fr	eaue	ncv	246		nt:Chain0

Test Mode: 802.11n HT40

HZ PNO: Fast → Trig: Free Run IFGain:Low #Atten: 20 dB	Mkr1 2.		Frequency Auto Tune	Center Fr		PNO: Fast ↔ IFGain:Low				lkr1 2.45	52 00 GHz	Auto Tun
		-5.799 dBm	Center Freq	10 dB/div Log	Ref 15.00 dB	m				-5	.890 dBm	Center Free 2.437000000 GH
under and the second second	↓1 hola tilene shee stilled blat. Ja		Start Freq	-5.00		ด้านสมเส	s. dishilath	สมสีประเทศ) المتعاد القابلية المتعاد	ı. Auli		Start Free
Ladicking a solution of	inedultion design, is a Alt			-15.0	, fi	hila at a state of the fill	l inn 10 dia.	A. A	Ulture state ato.	174 1		2.407000000 GH
		<u> </u>	2.452000000 GHz	-35.0						1		Stop Free 2.467000000 GH
		What we have been a start of the	6.000000 MHz	-45.0	No ward					~	hey had a failed and the second	CF Step 6.000000 MH <u>Auto</u> Mar
		[Freq Offset 0 Hz	-65.0								Freq Offse
				-75.0								
#VBW 100 kHz	#Sweep 63.3					#VBV	V 100 kHz			ep 63.3 m		
HT40 Freq	Avg Type: Log-Pwr Avg Hold: 100/100	2:39:02 PM Jan 03, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWWWW DET P N N N N N	Frequency	MSG	e:802.1	L1n HT4	0 Fre	equen			Hz Ar	nt:Chain
SENSE:IN GHZ PNO: East	Uency:2422N	2:39:02 PM Jan 03, 2024 TRACE 1 2 3 4 5 6 TYPE M WWWWWW		MSG	e:802.1	L1n HT4	0 Fre	equen			Hz Ar	nt:Chain
SENSE:IN GHZ PNO: East	Uency:2422N	2:39:02 PM Jan 03, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN 2.467 00 GHZ	Frequency	MSG	2:802.1	L1n HT4	0 Fre	equen			Hz Ar	nt:Chain
SENSE:IN GHZ PNO: East	AvgType: Log Pwo AvgType: Log Pwo AvgType: Log Pwo Mkr1 2.	2:39:02 PM Jan 03, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN 2.467 00 GHZ	Frequency Auto Tune Center Freq	MSG	e:802.1	L1n HT4	0 Fre	equen			Hz Ar	nt:Chain
GHZ PNO: Fast PRO: Fast IFGalincLow Atten: 20 dB	AvgType: Log Pwo AvgType: Log Pwo AvgType: Log Pwo Mkr1 2.	2:39:02 PM Jan 03, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN 2.467 00 GHZ	Frequency Auto Tune Center Freq 2.45200000 GHz Start Freq	MSG	2:802.1	L1n HT4	0 Fre	equen			Hz Ar	nt:Chain
GHZ PNO: Fast PRO: Fast IFGalincLow Atten: 20 dB	AvgType: Log Pwo AvgType: Log Pwo AvgType: Log Pwo Mkr1 2.	2-9:02 PH Jan 05, 2024 PHONE [2:2:4:5:0 TEE NINNIN 4:67 00 GHz -5.772 dBm	Frequency Auto Tune Center Freq 2.45200000 GHz 2.42200000 GHz 2.42200000 GHz 2.42200000 GHz 2.42200000 GHz C. CF Step 6.00000 MHz	MSG	2:802.1	11n HT4	0 Fre	equen			Hz Ar	nt:Chain
GHZ PNO: Fast PRO: Fast IFGalincLow Atten: 20 dB	AvgType: Log Pwo AvgType: Log Pwo AvgType: Log Pwo Mkr1 2.	2:39:02 PM Jan 03, 2024 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN 2.467 00 GHZ	Frequency Auto Tune Center Freq 2.45200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.4200000 GHz C.1200000 GHz Composition C.24200000 GHz C.24200000 GHz C.24200000 GHz C.00000 GHz C.00000 GHz C.00000 GHz G.00000 GHz G.00000 GHz G.00000 GHz G.00000 GHz GHT G.00000 GHz GHT	MSG	2:802.1	11n HT4	0 Fre	equen			Hz Ar	it:Chain
GHZ PNO: Fast PRO: Fast IFGalincLow Atten: 20 dB	AvgType: Log Pwo AvgType: Log Pwo AvgType: Log Pwo Mkr1 2.	2-9:02 PH Jan 05, 2024 PHONE [2:2:4:5:0 TEE NINNIN 4:67 00 GHz -5.772 dBm	Frequency Auto Tune Center Freq 2.45200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.48200000 GHz Stop Freq 6.00000 GHz GPF Step 6.00000 GHz	MSG	2:802.1	11n HT4	0 Fre	equen			Hz Ar	nt:Chain
	PROTECT	PROJ. Fast	#Genutes #Atten: 20 dB Cert Maxim Mkr1 2.437 00 GHz -5.799 dBm -5.799 dBm -1 -1 -1 -1 -1 -1 -1 -1 -1 -5.799 dBm -5.799 dBm	Augheige 100/100 Treeters and Aughei	Difficience Tright Free Run Augilielie: 100 fbit Tright Free Run Mkrt 2:437 00 GHz Auto Tune If Galactive Mkrt 2:437 00 GHz Auto Tune 10 dBidly Start Freq 2:42200000 GHz Start Freq 2:42200000 GHz 500 Start Freq 2:42200000 GHz 500 500 Start Freq 2:42200000 GHz 500 500 Freq Offset 0:Hz 500 500 Freq Offset 0:Hz Freq Offset 0:Hz 500 #VBW 100 kHz \$Span 60.00 MHz #Sweep 63.3 ms (1001 pts) Center 2.4	The Free Run (FG and Low) Augle Free Run (FG and Low) Auto Tune (FG and Low) Bell for Free (Log) Center Free (Log) Center Free (Log) Center Free (Log) Ref Offset 22 di (Log) Mkr1 2.437 00 GHz -5.799 dBm Center Free (Log) Start Free (Log	Biology and the second seco	The Free Run (Figure 1, weights) Weights) Weights) Auto Tune (Figure 1, weights) Difference (Figure 1, weights) <thdif< td=""><td>The Pre-Rum (Fighthow) Augistic tooling The Pre-Rum (Fighthow) Auto Ture (Fighthow) Mkr1 2.437 00 GHz -5.799 dBm Auto Ture -5.799 dBm Auto Ture 2.42200000 GHz 2.42200000 GHz Ref Offset 2.43 (Genter Freq 2.42200000 GHz Ref Offset 2.43 (Genter Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Genter Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.42200000 GHz Start Freq 0 Hz Start Freq 0 Hz Start Freq 0 Hz Start Freq 0 Hz Stop Freq 2.42200000 GHz Start Freq 0 Hz Start Freq 0 Hz</td><td>Biology and the standow Wighter standow Wighter standow Wighter standow Auto Tune In Contract</td><td>Internet Trig: Free Run (Frei Anter: 20 dB Augistié: 100 floc Mixri 1 2.437 00 GHz -5.799 dBm Auto Ture -5.799 dBm Ref Officer 12 dB -0 gB/div Trig: Free Run Bitter: 20 dB Auto Ture -5.799 dBm 2.42200000 GHz 2.42200000 GHz 2.42200000 GHz 2.42200000 GHz 4.60 Center Freq 2.42200000 GHz 2.42200000 GHz 4.60 Sold Bitter Hill 2.437 (Sold Bitter: 20 dB -0 gB/div Mixri 1 2.447 (Sold Bitter: 20 dB -0 gB/diter: 20 dB -0 gB/div</td><td>Internet The Free Run Michael 100 Mbr. Auto Tune States: 20 dB Magnetic 100 Mbr. Magnetic 100 Mbr.<!--</td--></td></thdif<>	The Pre-Rum (Fighthow) Augistic tooling The Pre-Rum (Fighthow) Auto Ture (Fighthow) Mkr1 2.437 00 GHz -5.799 dBm Auto Ture -5.799 dBm Auto Ture 2.42200000 GHz 2.42200000 GHz Ref Offset 2.43 (Genter Freq 2.42200000 GHz Ref Offset 2.43 (Genter Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Genter Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Start Freq 2.42200000 GHz Stop Freq 2.42200000 GHz Start Freq 0 Hz Start Freq 0 Hz Start Freq 0 Hz Start Freq 0 Hz Stop Freq 2.42200000 GHz Start Freq 0 Hz Start Freq 0 Hz	Biology and the standow Wighter standow Wighter standow Wighter standow Auto Tune In Contract	Internet Trig: Free Run (Frei Anter: 20 dB Augistié: 100 floc Mixri 1 2.437 00 GHz -5.799 dBm Auto Ture -5.799 dBm Ref Officer 12 dB -0 gB/div Trig: Free Run Bitter: 20 dB Auto Ture -5.799 dBm 2.42200000 GHz 2.42200000 GHz 2.42200000 GHz 2.42200000 GHz 4.60 Center Freq 2.42200000 GHz 2.42200000 GHz 4.60 Sold Bitter Hill 2.437 (Sold Bitter: 20 dB -0 gB/div Mixri 1 2.447 (Sold Bitter: 20 dB -0 gB/diter: 20 dB -0 gB/div	Internet The Free Run Michael 100 Mbr. Auto Tune States: 20 dB Magnetic 100 Mbr. Magnetic 100 Mbr. </td