

# **FCC TEST REPORT**

Test report
On Behalf of
Shenzhen Atongmu Technology Co., LTD
For
Tablet PC

Model No.: F45A

FCC ID: 2BAAR-F45A

Prepared For: Shenzhen Atongmu Technology Co., LTD

Room 605,Office A Dong,Qiaohongsheng Wenhua Chuangyiyuan,Yintian Gongyequ,Yantian Shequ,Xixiang Jiedao,Baoan Qu,Shenzhen Shi,

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Date of Test: Jan. 15, 2024 ~ Feb. 21 2024

Date of Report: Feb. 21 2024

Report Number: HK2401150280-1E



#### TEST RESULT CERTIFICATION

Applicant's name .....: Shenzhen Atongmu Technology Co., LTD

Room 605, Office A Dong, Qiaohongsheng Wenhua Chuangyiyuan,

Report No.: HK2401150280-1E

Address.....: Yintian Gongyequ, Yantian Shequ, Xixiang Jiedao, Baoan Qu,

Shenzhen Shi, Guangdong, 518000 China

Manufacturer's Name .....: Shenzhen Atongmu Technology Co., LTD

Room 605, Office A Dong, Qiaohongsheng Wenhua Chuangyiyuan,

Address.....: Yintian Gongyequ, Yantian Shequ, Xixiang Jiedao, Baoan Qu,

Shenzhen Shi, Guangdong, 518000 China

**Product description** 

Trade Mark....:

Product name ...... Tablet PC

Model and/or type reference .. : F45A

FCC Rules and Regulations Part 15 Subpart C Section 15.247

.... ANSI C63.10: 2013

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Date of Test .....:

Date (s) of performance of tests...... Jan. 15, 2024 ~ Feb. 21 2024

Date of Issue ...... Feb. 21 2024

Test Result ..... Pass

Testing Engineer :

(Len Liao)

Technical Manager :

(Sliver Wan)

Authorized Signatory:

(Jason Zhou)



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\*\* Modified History \*\*

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	Feb. 21, 2024	Jason Zhou
<sub>m</sub> G	-n/G	TING TING	G TNG



# 1. TEST RESULT SUMMARY

#### 1.1. TEST PROCEDURES AND RESULTS

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247(b)(4)	PASS
AC Power Line Conducted Emission	§15.207	PASS
Conducted Peak Output Power	§15.247(b)(3)	PASS
6dB Emission Bandwidth	§15.247(a)(2)	PASS
Power Spectral Density	§15.247(e)	PASS
Band Edge	§15.247(d)	PASS
Spurious Emission	§15.205/§15.209	PASS

#### Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.

#### 1.2. INFORMATION OF THE TEST LABORATORY

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

Testing Laboratory Authorization:

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

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## 1.3. MEASUREMENT UNCERTAINTY

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

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

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# 2. EUT DESCRIPTION

# 2.1. GENERAL DESCRIPTION OF EUT

Equipment:	Tablet PC	ESTIN
Model Name:	F45A	
Series Model:	N/A HUARTESTING	ļ
Model Difference:	N/A Sunah	
FCC ID:	2BAAR-F45A	TING
Antenna Type:	FPC Antenna	
Antenna Gain:	-0.5dBi	
Operation frequency:	802.11b/g/n 20:2412~2462 MHz 802.11n 40: 2422~2452MHz	ESTING
Number of Channels:	802.11b/g/n20: 11CH 802.11n 40: 7CH	
Modulation Type:	CCK/OFDM/DBPSK	
Power Source:	DC 5V from Type-c or DC 3.85 from battery	
Power Supply:	DC 5V from Type-c or DC 3.85 from battery	TING
Software Version	V3.0	
Hardware Version	UMX1	Non

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## 2.2. Carrier Frequency of Channels

Channel List For 802.11b/802.11g/802.11n (HT20)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452	STING	

Channel List For 802.11n (HT40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
STING	XTESTING (	04	2427	07	2442	TESTIN	KTE
@ H		05	2432	08	2447	HILAK	A HOM
03	2422	06	2437	09	2452		

#### Note:

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

#### 2.3. OPERATION OF EUT DURING TESTING

**Operating Mode** 

The mode is used: Transmitting mode for 802.11b/802.11g/802.11n (HT20)

Low Channel: 2412MHz Middle Channel: 2437MHz High Channel: 2462MHz

The mode is used: Transmitting mode for 802.11n (HT40)

Low Channel: 2422MHz Middle Channel: 2437MHz High Channel: 2452MHz

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#### 2.4. DESCRIPTION OF TEST SETUP

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



Operation of EUT during above 1GHz radiation testing:



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

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# 2.5. DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	Specification	Note
1	Tablet PC	Tour Tes	F45A	N/A	EUT
2	Adapter	N/A	QL010-0502000UU	INPUT: 100-240V~50/60Hz 0.45A OUTPUT: 5.0V 2.0A	Accessory
HIAR	Mr.		Harry N.	O HUAN	HO.
TIME	,	NG.	TING TING	· · · · · · · · · · · · · · · · · · ·	TING

#### Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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## 3. ENERA INFORMATION

#### 3.1. TEST ENVIRONMENT AND MODE

Operating Environment:					
Temperature:	25.0 °C	HUAKTESII	HUAKTES		
Humidity:	56 % RH	9	9		
Atmospheric Pressure:	1010 mbar	LAKTESTING	TNG.		

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

# Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Willoll It Was Worst base.	
Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(H20)	6.5Mbps
802.11n(H40)	13.5Mbps

#### **Final Test Mode:**

Operation mode:	Keep the EUT in continuous transmitting
Operation mode.	with modulation

- 1. For WIFI function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.
- 2.According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20), 13.5Mbps for 802.11(H40).
- 3. Mode Test Duty Cycle

Duty Cycle	Duty Cycle Factor (dB)
0.984	-0.068
0.901	-0.454
0.885	-0.532
0.806	-0.939
	0.984 0.901 0.885

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# 4. TEST RESULTS AND MEASUREMENT DATA

## 4.1. CONDUCTED EMISSION

#### **Test Specification**

TING	TING	TING	TING	-m		
Test Requirement:	FCC Part15 C Section	on 15.207	AKTE	HUAKTES		
Test Method:	ANSI C63.10:2013		TING			
Frequency Range:	150 kHz to 30 MHz	HUAKTE	. 10	ESTING		
Receiver setup:	RBW=9 kHz, VBW=	30 kHz, Sweep	time=auto			
	Frequency range	Limit (c	dBuV)	Olor		
	(MHz)	Quasi-peak	Average	VAK TESTIL		
Limits:	0.15-0.5	66 to 56*	56 to 46*			
	0.5-5	56	46			
	5-30	60	50			
	V TESTING	ESTAIG	X TESTING	W TESTI		
	Refe	erence Plane	P7-			
	40ci	m	_			
	W.TESTIN					
	E.U.T AC	power 80cm LISN				
Test Setup:		  Filt	er — AC power			
	Test table/Insulation		el Ac power			
		EMI				
	Remark: E.U.T: Equipment Under Test	Receiver				
	LISN: Line Impedence Stabilization Network Test table height=0.8m					
Test Mode:	Charging + transmit	ting with modula	tion	-cTM		
	1. The E.U.T is con	CED C	AKTES .	ough a		
	line impedance s					
	provides a 50ohr		1.7%	,		
	measuring equipn	4.7	, impodance	STING		
	2. The peripheral de		onnected to th	e main		
	power through a					
	coupling impedan					
Test Procedure:	refer to the bloc		,			
	photographs).	J		UAKTE		
	3. Both sides of A.C. line are checked for maximum					
	conducted interference. In order to find the maximum					
	emission, the relative positions of equipment and all of					
	the interface cab		V. C.			
	ANSI C63.10: 201	13 on conducted	measuremen	tion		
Test Result:	PASS		-myG			
	-C51					

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#### **Test Instruments**

	Conducted Emission Shielding Room Test Site (843)									
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due					
Receiver	R&S	ESR-7	HKE-010	Feb. 17, 2023	Feb. 16, 2024					
LISN	R&S	ENV216	HKE-002	Feb. 17, 2023	Feb. 16, 2024					
Coax cable (9KHz-30MHz)	Times	381806-002	N/A	Feb. 17, 2023	Feb. 16, 2024					
Conducted test software	Tonscend	TS+ Rev 2.5.0.0	HKE-081	<sub>MCTG</sub> N/A	N/A					

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

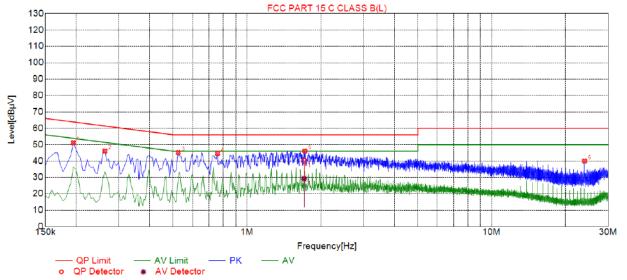
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#### 4.2. TEST RESULT

Remark: All the test modes completed for test. Only the worst result of 802.11n40 Mode was reported as below:





# Suspected List

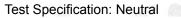
	•							
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBμV]	Detector	Туре
1	0.1950	51.16	20.03	63.82	12.66	31.13	PK	L
2	0.2625	46.09	20.03	61.35	15.26	26.06	PK	L
3	0.5235	45.18	20.04	56.00	10.82	25.14	PK	L
4	0.7575	44.61	20.06	56.00	11.39	24.55	PK	L
5	1.7250	46.06	20.13	56.00	9.94	25.93	PK	L
6	24.0000	39.97	20.22	60.00	20.03	19.75	PK	L

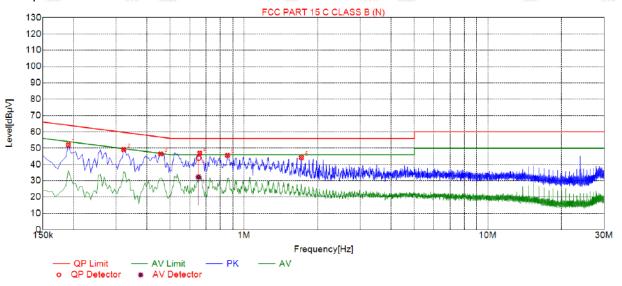
F	Final Data List											
1	10.	Freq. [MHz]	Correction factor[dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	QP Reading [dBμV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	ΑV Reading [dBμV]	Туре
	1	1.7127	20.13	40.19	56.00	15.81	20.06	29.25	46.00	16.75	9.12	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss Level=Test receiver reading + correction factor

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Sus	Suspected List										
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре			
1	0.1905	51.98	20.04	64.01	12.03	31.94	PK	N			
2	0.3210	49.19	20.05	59.68	10.49	29.14	PK	N			
3	0.4560	46.48	20.04	56.77	10.29	26.44	PK	N			
4	0.6585	46.84	20.05	56.00	9.16	26.79	PK	N			
5	0.8565	45.60	20.06	56.00	10.40	25.54	PK	N			
6	1.7205	44.21	20.13	56.00	11.79	24.08	PK	N			

	Final Data List											
98	NO.	Freq. [MHz]	Correction factor[dB]	QP Value [dBµV]	QP Limit [dΒμV]	QP Margin [dB]	QP Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	AV Reading [dBµV]	Туре
8	1	0.6513	20.05	43.89	56.00	12.11	23.84	32.34	46.00	13.66	12.29	N

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss Level=Test receiver reading + correction factor



## 4.3. MAXIMUM CONDUCTED OUTPUT POWER

## **Test Specification**

Test Requirement:	FCC Part15 C Section 15	5.247 (b)(3)	V TESTI			
Test Method:	KDB 558074	O HOME	(1) HOME			
Limit:	30dBm	OK TESTING	فانه			
Test Setup:	Power meter	EUT	MAY TESTA			
Test Mode:	Transmitting mode with modulation					
Test Procedure:	1. The testing follows the FCC KDB 558074 D0 v05r02.  2. The RF output of EUT meter by RF cable an compensated to the result.  3. Set to the maximum por EUT transmit continued.  4. Measure the Peak output in the test report.	was connected to d attenuator. The esults for each me ower setting and e	uidance the power path loss was easurement. enable the			
Test Result:	PASS	O HUM	<b>6</b>			

#### **Test Instruments**

HOW A	HOL	* HOM	HUM	HOM HOM	HUM					
	RF Test Room									
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due					
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 17, 2023	Feb. 16, 2024					
Power meter	Agilent	E4419B	HKE-085	Feb. 17, 2023	Feb. 16, 2024					
Power Sensor	Agilent	E9300A	HKE-086	Feb. 17, 2023	Feb. 16, 2024					
RF cable	Times	1-40G	HKE-034	Feb. 17, 2023	Feb. 16, 2024					
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 17, 2023	Feb. 16, 2024					

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

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





# **Test Data**

Test Channel	Frequency	Maximum Peak Conducted Output Power	LIMIT	
Orianiici	(MHz)	(dBm)	dBm	
HUAK TEST	(a) His	TX 802.11b Mode	3 ho	AKTES
CH01	2412	4.51	30	
© CH06	2437	3.86	30	
CH11	2462	3.89	30	HUP
		TX 802.11g Mode		
CH01	2412	3.43	30	
CH06	2437	3.11	30	(1) W
CH11	2462	4.35	30	
THIAK TEST	Mark.	TX 802.11n20 Mode	Market House	AK TES
CH01	2412	4.30	30	
<sub>©</sub> СН06	2437	3.09	30	
CH11	2462	3.24	30	D HUP
		TX 802.11n40 Mode		
CH03	2422	2.80	30	
CH06	2437	2.05	30	(D)
CH09	2452	2.79	30 TESTING 30	



### 4.4. EMISSION BANDWIDTH

## **Test Specification**

Test Requirement:	FCC Part15 C Section 1	5.247 (a)(2)	4 TESTIN			
Test Method:	KDB 558074	O HURS	MIN HUNDE			
Limit:	>500kHz	AKTESTING	a)G			
Test Setup:	Spectrum Analyzer	EUT	ME HUAK TESTING			
Test Mode:	Transmitting mode with r	modulation				
Test Procedure:	<ol> <li>The testing follows FCC KDB Publication 558074 D 15.247 Meas Guidance v05r02.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Make the measurement with the spectrum analyzer resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to ma an accurate measurement. The 6dB bandwidth mu be greater than 500 kHz.</li> <li>Measure and record the results in the test report.</li> </ol>					
Test Result:	PASS	O HUA	0 110			

### **Test Instruments**

ATTAL HO!	HO.	a HO	ATTE PAO	ALL HO!	AD HO.					
	RF Test Room									
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due					
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025					
RF cable	Times	1-40G	HKE-034	Feb. 20, 2024	Feb. 19, 2025					
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025					

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

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### Test data

To at also as a al	6dB Emission Bandwidth (MHz)						
Test channel	802.11b	802.11g	802.11n(H20)	802.11n(H40)			
Lowest	8.560	15.480	16.560	35.200			
Middle	9.040	15.880	17.040	36.080			
Highest	8.120	15.680	16.000	35.120			
Limit:	9	HUAK	>500k	HUAK			
Test Result:	ON TESTING		PASS				

Test plots as follows:

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#### 802.11b Modulation

#### Lowest channel



#### Middle channel



#### Highest channel



#### 802.11g Modulation

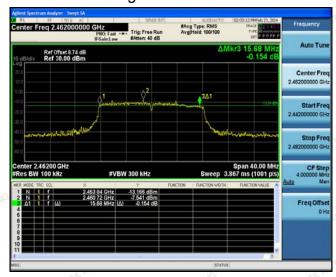
#### Lowest channel



#### Middle channel

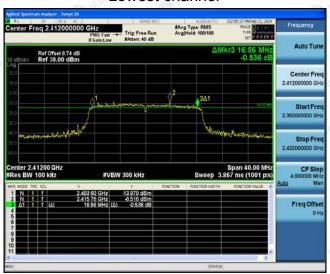


Highest channel



#### 802.11n (HT20) Modulation

#### Lowest channel



#### Middle channel



#### Highest channel

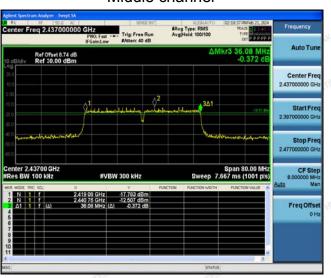


#### 802.11n (HT40) Modulation

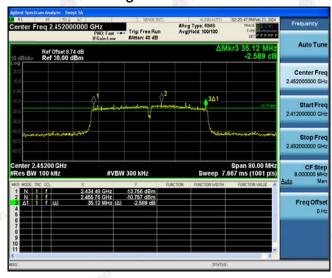
#### Lowest channel



#### Middle channel



#### Highest channel

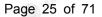


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4.5. POWER SPECTRAL DENSITY

# **Test Specification**

Test Requirement:	FCC Part15 C Section 15.247 (e)				
Test Method:	KDB 558074				
Limit:	The average power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.				
Test Setup:	Spectrum Analyzer EUI				
Test Mode:	Transmitting mode with modulation				
Test Procedure:	<ol> <li>Transmitting mode with modulation</li> <li>The testing follows Measurement procedure 10.2 method PKPSD of FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02.</li> <li>The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. Set the span to at least 1.5 times the OBW.</li> <li>Detector = Peak, Sweep time = auto couple.</li> <li>Employ trace averaging (Peak) mode over a minimum of 100 traces. Use the peak marker function to determine the maximum power level.</li> <li>Measure and record the results in the test report.</li> </ol>				
Test Result:	PASS				



#### **Test Instruments**

RF Test Room					
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 20, 2024	Feb. 19, 2025
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025
RF test software	Tonscend	JS1120-B Version 2.6	HKE-083	N/A	N/A

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



## Test data

EUT Set Mode	Channel	Result (dBm/30kHz)	Result (dBm/3kHz)	
802.11b	Lowest	-7.91	-17.91	
	Middle	-6.29	-16.29	
	Highest	-8.21	-18.21	
802.11g	Lowest	-11.66	-21.66	
	Middle	-11.78	-21.78	
	Highest	-12.12	-22.12	
802.11n(H20)	Lowest	-12.55	-22.55	
	Middle	-13.34	-23.34	
	Highest	-11.77	-21.77	
802.11n(H40)	Lowest	-14.12	-24.12	
	Middle	-16.07	-26.07	
	Highest	-14.15	-24.15	
PSD test result (	dBm/3kHz):	= PSD test result (	(dBm/30kHz)-10	
Limit: 8dBm/3kH	z			
Test Result:	PASS			

### Test plots as follows:

#### 802.11b Modulation

#### Lowest channel



#### Middle channel

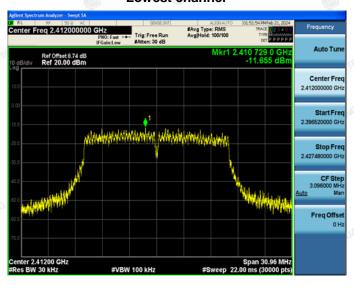


#### **Highest channel**



#### 802.11g Modulation

#### Lowest channel



#### Middle channel



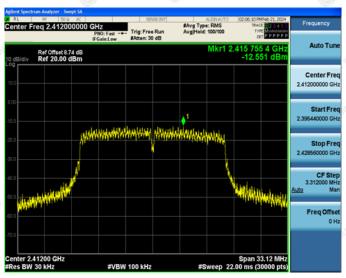
#### **Highest channel**



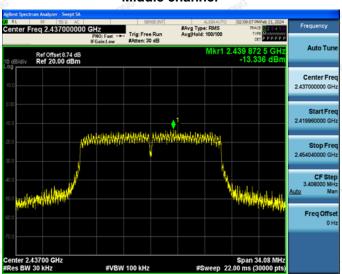
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#### 802.11n (HT20) Modulation

#### Lowest channel



#### Middle channel



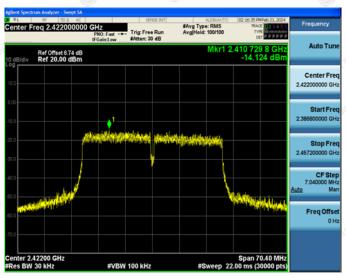
#### **Highest channel**



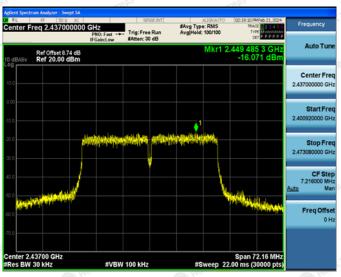
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#### 802.11n (HT40) Modulation

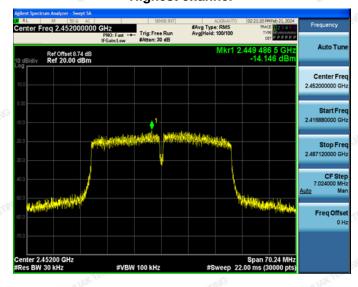
#### Lowest channel



#### Middle channel



#### **Highest channel**





# 4.6. CONDUCTED BAND EDGE AND SPURIOUS EMISSION MEASUREMENT

#### **Test Specification**

Test Requirement:	FCC Part15 C Section 15.247 (d)			
Test Method:	KDB558074			
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).			
Test Setup:	Spectrum Analyzer EUT			
Test Mode:	Transmitting mode with modulation			
Test Procedure:	<ol> <li>Transmitting mode with modulation</li> <li>The testing follows FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02.</li> <li>The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).</li> <li>Measure and record the results in the test report.</li> <li>The RF fundamental frequency should be excluded</li> </ol>			
Test Result:	PASS			

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#### **Test Instruments**

RF Test Room					
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025
High pass filter unit	Tonscend	JS0806-F	HKE-055	Feb. 20, 2024	Feb. 19, 2025
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 20, 2024	Feb. 19, 2025
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025
RF test software	Tonscend	JS1120-B Version 2.6	HKE-083	N/A	N/A

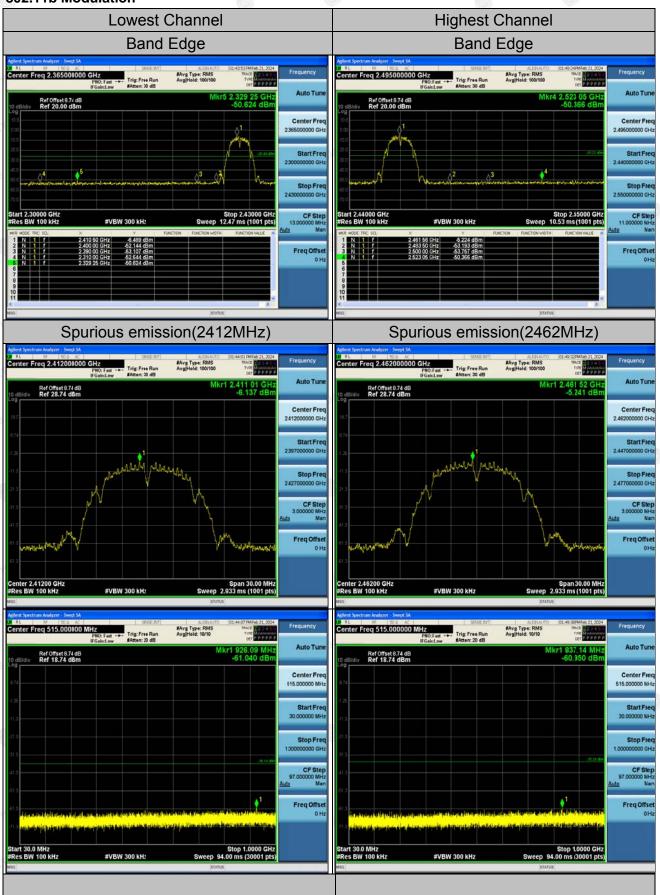
**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

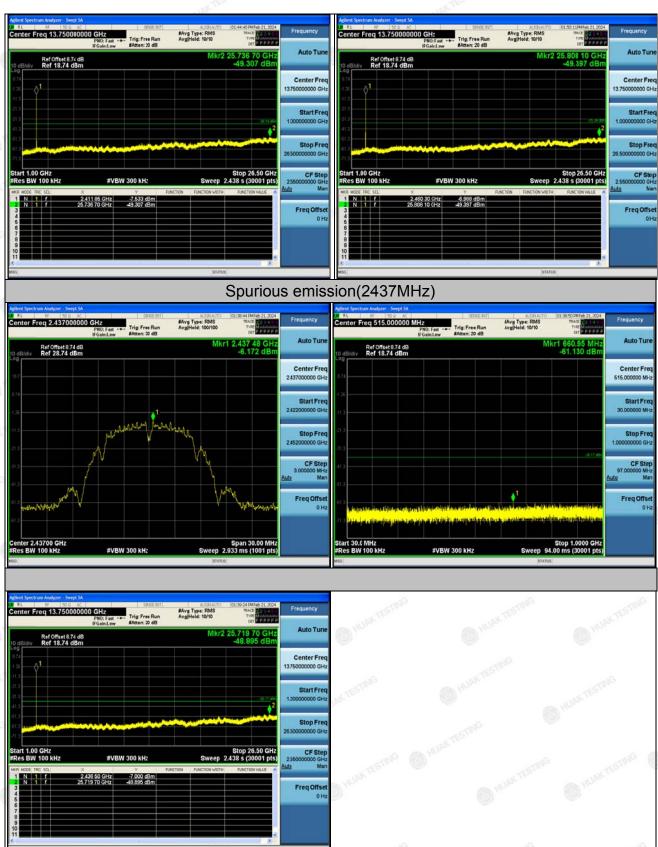
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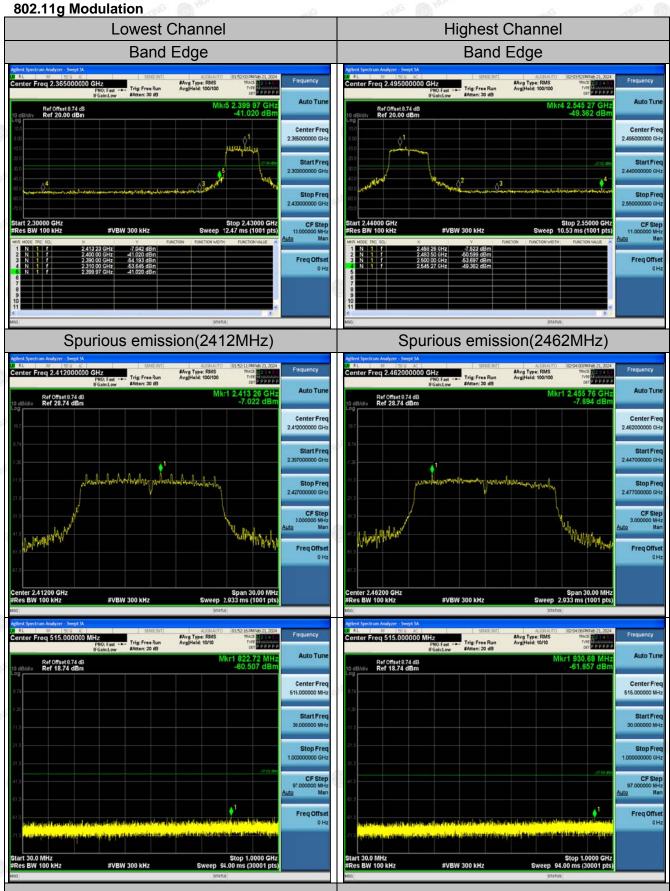


#### **Test Data**

#### 802.11b Modulation







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