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Report No.: HK2406273462-1E

# **FCC Test Report**

Test report On Behalf of SZ PGST CO., LTD For Alarm Host Model No.: PG-109

FCC ID: 2AIT9-PG-109

Prepared For : SZ PGST CO., LTD No.9 Building, Huafu Industrial Park, Huachang Road, Longhua District, Shenzhen, Guangdong, China

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

 Date of Test:
 Jun. 27, 2024 ~ Jul. 15, 2024

 Date of Report:
 Jul. 15, 2024

 Report Number:
 HK2406273462-1E

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# **Test Result Certification**

Applicant's name	SZ PGST CO., LTD		
Address	No.9 Building, Huafu Industrial Park, Huachang Road, Longhua District, Shenzhen, Guangdong, China		
Manufacturer's Name	SZ PGST CO., LTD		
Address	No.9 Building, Huafu Industrial Parl District, Shenzhen, Guangdong, Ch		ad, Longhua
Product description			
Trade Mark:	N/A		
Product name	Alarm Host		
Model and/or type reference .:	PG-109		

Standards ...... 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	Jun. 27, 2024 ~ Jul. 15, 2024
Date of Issue	Jul. 15, 2024
Test Result	Pass

Testing Engineer

len lias

(Len Liao)

Technical Manager

Tiver Non

(Sliver Wan)

Authorized Signatory:

ason thou

(Jason Zhou)

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# \*\* Modified History \*\*

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	Jul. 15, 2024	Jason Zhou
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HUAK TESTING

# 1. Test Result Summary

# 1.1. Test Procedures and Results

Result
PASS
9

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.	Item	MU
1	Conducted Emission	±2.71dB
2	RF power, conducted	±0.37dB
3	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

MAX TES	WANTED WANTED	NJAK TES	IN LAK TES
Equipment:	Alarm Host	0	0
Model Name:	PG-109	NAK TESTING	Que
Series Model:	N/A	0**	HUAKTEST
Model Difference:	N/A	HUAKTESTING	- Olen
FCC ID:	2AIT9-PG-109	HUNKTESTING	HUAKTESTI
Antenna Type:	PCB Antenna		~
Antenna Gain:	1.37dBi		
Operation frequency:	802.11b/g/n (HT20):2412~ 802.11n (HT40): 2422~245		O HUM
Number of Channels:	802.11b/g/n(HT20): 11CH 802.11n (HT40): 7CH	HUAKTESTIN	WAY TESTING
Modulation Type:	DSSS, OFDM	SING	HC.
Power Source:	DC 5V From Adapter or DC	C 3.7V From Battery	TESTING
Power Rating:	DC 5V From Adapter or DO	C 3.7V From Battery	O HUAN

#### Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

- 2. Antenna gain Refer to the antenna specifications.
- 3. The cable loss data is obtained from the supplier.
- 4. The test results in the report only apply to the tested sample.

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# 2.2. Carrier Frequency of Channels

	Cha	annel List	For 802.11k	o/802.11g/8	02.11n (HT2	0)	
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	KTESTING C	04	2427	07	2442	TESTIN	NTE
@ <sup>+12</sup>		05 👝	2432	08	2447	HUAN	CO-HOM
03	2422	06	2437	09	2452	e <u></u>	

#### 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

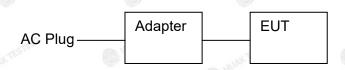
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# 2.4. Description of Test Setup

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



Operation of EUT during above1GHz radiation testing:

EUT	

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. The worst case is X position.

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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.

ltem	Equipment	Trade Mark	Model/Type No.	Specification	Remark
1	Alarm Host	N/A	PG-109	N/A	EUT
ം 2	USB Cable	N/A	N/A	Length:1.01m	Accessory
3	Adapter	N/A	JK050200-S86USU	Input: AC 100-240V, 50/60Hz, 0.5A Output: 5V, 2A 10W	Accessory
0"	0.	0		0	

#### Note:

- All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
   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. Genera Information

# 3.1. Test Environment and Mode

<b>Operating E</b>	Invironment:
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5	Temperature:	25.0 °C	HUAKTESI	HUAKTEST
	Humidity:	56 % RH		0
3	Atmospheric Pressure:	1010 mbar	AK TESTING	- 6

## Test Mode:

Engineering mode.	Keep the EUT in continuous transmitting by select channel and modulations
G ALLOW	by select charmer and modulations

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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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.

Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)	6.5Mbps
802.11n(HT40)	13.5Mbps

### **Final Test Mode:**

Operation mode:	Keep the EUT in continuous transmitting with modulation
	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(HT20), 13.5Mbps for 802.11n(HT40).

3. Mode Test Duty Cycle

Mode	Duty Cycle	Duty Cycle Factor (dB)
802.11b	0.99	-0.04
802.11g	0.99	-0.04
802.11n(HT20)	0.99	-0.04
802.11n(HT40)	0.97	-0.13

## Test plots as follows:

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# 4. Test Results and Measurement Data

# 4.1. Conducted Emission

# **Test Specification**

est opecification	MMG	OWNER		MAG					
Test Requirement:	FCC Part15 C	Section 15.2	07	KTEN	HUAK TEL				
Test Method:	ANSI C63.10:2	013							
Frequency Range:	150 kHz to 30	150 kHz to 30 MHz							
Receiver setup:	<b>r setup:</b> RBW=9 kHz, VBW=30 kHz, Sweep time=auto								
	Frequency ra	nge 🔊 🗥	Limit (c	lBuV)					
	(MHz)	Quas	i-peak	Average	ILAK TEST.				
Limits:	0.15-0.5	66 t	o 56*	56 to 46*	0				
	0.5-5		56	46					
	5-30		60	50					
	HUAKTESTING	AKTESTANG	and the set	IK TESTING	NK TES				
		Reference Plan	e						
	15	40cm							
	W. Then		LISN						
	Remark: E.U.T: Equipment Unc LISN: Line Impedence Test table height=0.8r	der Test 9 Stabilization Network	EMI Receiver	-15	200				
Test Mode:	transmitting wit	h modulatior	1						
Test Procedure:	<ul> <li>transmitting with modulation</li> <li>1. The E.U.T is connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>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 cables must be changed according to</li> </ul>								
	conducted in emission, the	nterference. I e relative pos	n order t sitions of	o find the m equipment a	naximur and all c				
Test Result:	conducted in emission, the	terference. I e relative pos e cables mu	n order t sitions of st be ch	o find the m equipment a anged acco	naximur and all c ording to				

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	Conducted Emission Shielding Room Test Site (843)								
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due				
Receiver	R&S	ESR	HKE-005	Feb. 20, 2024	Feb. 19, 2025				
LISN	R&S	ENV216	HKE-002	Feb. 20, 2024	Feb. 19, 2025				
LISN	R&S	ENV216	HKE-059	Feb. 20, 2024	Feb. 19, 2025				
Coax cable (9KHz-30MHz)	Times	381806-002	N/A	Feb. 20, 2024	Feb. 19, 2025				
EMI Test Software	Tonscend	JS32-CE 2.5.0.6	HKE-081	N/A	N/A				
10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	Feb. 20, 2024	Feb. 19, 2025				

## **Test Instruments**

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

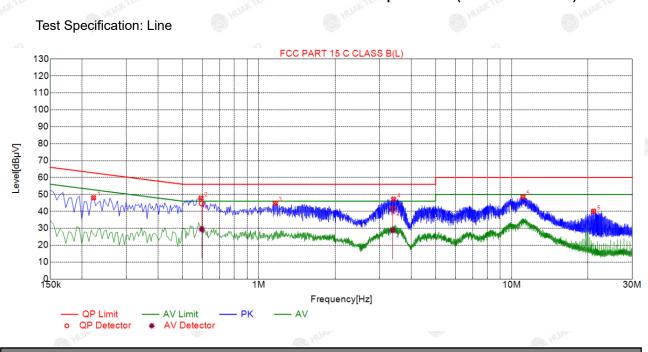
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# 4.2. Test Result

### Remark: All the test modes completed for test. only the worst result Of was reported as below: Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



	Sus	spected	List							
10.0215	NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре	
	1	0.2220	48.03	19.84	62.74	14.71	28.19	PK	L	
1	2	0.5910	47.83	19.86	56.00	8.17	27.97	PK	L	
	3	1.1625	44.73	19.90	56.00	11.27	24.83	PK	L	
4	4	3.4125	47.18	20.08	56.00	8.82	27.10	PK	L	
	5	11.0895	48.52	19.90	60.00	11.48	28.62	PK	L	
6	6	21.0750	40.07	19.95	60.00	19.93	20.12	PK	L	
	Final Data List									

NO.	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]	AV Reading [dBµV]	Туре
1	0.5949	19.86	44.63	56.00	11.37	24.77	29.50	46.00	16.50	9.64	L
2	3.3872	20.07	41.44	56.00	14.56	21.37	28.76	46.00	17.24	8.69	L

Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss

Level=Test receiver reading + correction factor

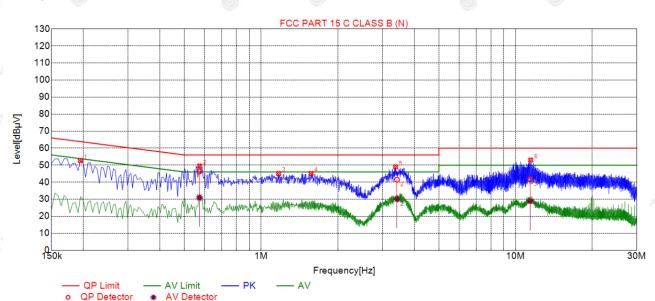
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#### Test Specification: Neutral



# Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре
1	0.1950	52.70	19.73	63.82	11.12	32.97	PK	Ν
2	0.5730	49.49	19.74	56.00	6.51	29.75	PK	Ν
3	1.1715	45.06	19.77	56.00	10.94	25.29	PK	N
4	1.5720	45.13	19.80	56.00	10.87	25.33	PK	Ν
5	3.3765	49.02	19.96	56.00	6.98	29.06	PK	N
6	11.4765	53.02	19.82	60.00	6.98	33.20	PK	Ν

### **Final Data List**

NO.	Freq. [MHz]	Correction factor[dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	QP Reading [dBµV]	AV Value [dBµV]	A∨ Limit [dBµ∨]	A∨ Margin [dB]	AV Reading [dBµV]	Туре
1	0.5718	19.74	46.31	56.00	9.69	26.57	31.04	46.00	14.96	11.30	N
2	3.4176	19.95	41.48	56.00	14.52	21.53	30.14	46.00	15.86	10.19	N
3	11.4280	19.82	41.92	60.00	18.08	22.10	28.85	50.00	21.15	9.03	N

Remark: Margin = Limit – Level Correction factor = Cable lose + LISN insertion loss Level=Test receiver reading + correction factor

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# 4.3. Maximum Conducted Output Power

## **Test Specification**

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02
Limit:	30dBm
Test Setup:	
	RF automatic control unit EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	<ol> <li>The testing follows the Measurement Procedure of FCC KDB 558074 D01 15.247 Meas Guidance v05r02.</li> <li>The RF output of EUT was connected to the RF automatic control unit 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>Measure the Peak output power 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-025	Feb. 20, 2024	Feb. 19, 2025	
Power meter	Agilent	E4419B	HKE-085	Feb. 20, 2024	Feb. 19, 2025	
Power Sensor	Agilent	E9300A	HKE-086	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	
RF Test Software	Tonscend	JS1120-3 Version 3.3.23	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

Mode	Test Channel	Frequency	Maximum Peak Conducted Output Power	LIMIT	
	Ondriner	(MHz)	(dBm)	dBm	
802.11b	CH01	2412	12.69	30	
802.11b	CH06	2437	12.84	30	
802.11b	CH11	2462	13.01	30	
802.11g	CH01	2412	12.85	30	
802.11g	CH06	2437	12.92	30	
802.11g	CH11	🧼 2462	12.77	30	
802.11n(HT20)	CH01	2412	12.70	30	
802.11n(HT20)	CH06	2437	12.74	<sup>560</sup> 30	
802.11n(HT20)	CH11	2462	12.63	30	
802.11n(HT40)	CH03	2422	12.85	30	
802.11n(HT40)	CH06	2437	12.67	30	
802.11n(HT40)	CH09	2452	12.52	30	

Note: 1.The test results including the cable lose.

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# 4.4. Emission Bandwidth

# **Test Specification**

Test Requirement:	FCC Part15 C Section 15	FCC Part15 C Section 15.247 (a)(2)				
Test Method:	KDB 558074 D01 15.247	KDB 558074 D01 15.247 Meas Guidance v05r02				
Limit:	>500kHz	WK TESTING				
Test Setup:	Spectrum Analyzer					
Test Mode:	Transmitting mode with m	Transmitting mode with modulation				
Test Procedure:	<ol> <li>15.247 Meas Guidance</li> <li>Set to the maximum por EUT transmit continuon</li> <li>Make the measurement resolution bandwidth (VBV an accurate measurement be greater than 500 kt</li> </ol>	<ol> <li>The testing follows FCC KDB Publication 558074 D01 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's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz.</li> <li>Measure and record the results in the test report.</li> </ol>				
Test Result:	PASS	O Home O Here				

## **Test Instruments**

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RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
Spectrum analyzer	Agilent	N9020A	HKE-025	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	
RF Test Software	Tonscend	JS1120-3 Version 3.3.23	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

Test channel	6dB Emission Bandwidth (MHz)				
	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	
Lowest	11.08	16.68	17.68	35.04	
Middle	11.56	16.80	16.80	35.20	
Highest	11.08	17.08	17.64	35.20	
Limit:	>500kHz				
Test Result:	PASS				

Test plots as follows:

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### 802.11b Modulation

#### Lowest channel



### Middle channel



## **Highest channel**

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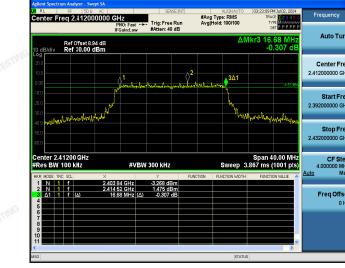
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### 802.11g Modulation

#### Lowest channel



#### Middle channel



## **Highest channel**



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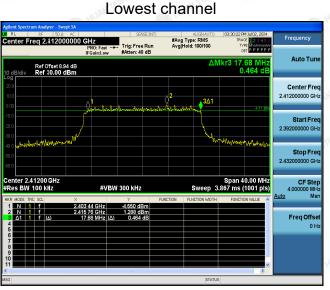
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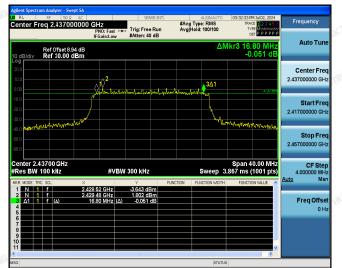
## Page 24 of 72

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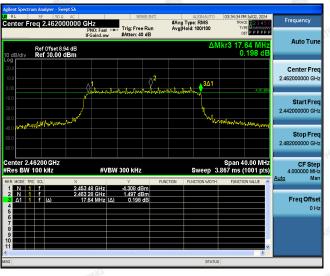
### 802.11n (HT20) Modulation



## Middle channel



## **Highest channel**



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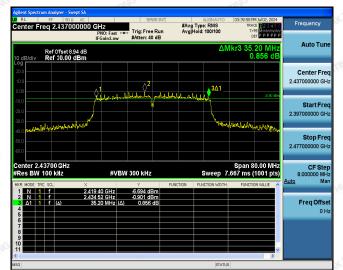
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## 802.11n (HT40) Modulation

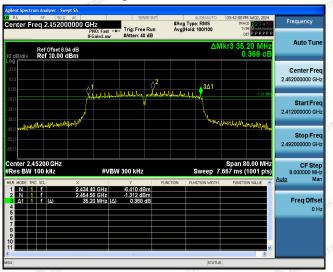
Lowest channel



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 D01 15.247 Meas Guidance v05r02				
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				
Test Mode:	Transmitting mode with modulation				
Test Procedure:	<ol> <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				

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## Test Instruments

RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
Spectrum analyzer	Agilent	N9020A	HKE-025	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	
RF Test Software	Tonscend	JS1120-3 Version 3.3.23	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

EUT Set Mode	Channel	Test Result (dBm/30kHz)	Result (dBm/3kHz)
	Lowest	-1.75	-11.75
802.11b	Middle	-1.70	-11.70
	Highest	-1.44	-11.44
	Lowest	-1.70	-11.70
802.11g	Middle	-2.17	-12.17
	Highest	-2.86	-12.86
802.11n(H20)	Lowest	-2.30	-12.30
	Middle	-2.57	-12.57
	Highest	-2.15	-12.15
802.11n(H40)	Lowest	-3.51	-13.51
	Middle	-3.65	-13.65
	Highest	-3.98	-13.98
PSD test result (dB	m/3kHz)= PSD	test result (dBm/30k	Hz)-10
Limit: 8dBm/3kHz			
Test Result:	STM	PASS	-STING

Test plots as follows:

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### 802.11b Modulation



#### Middle channel



## Highest channel

Center Freq 2.462000000 GHz Frequency #Avg Type: RMS Avg|Hold: 100/100 Trig: Free Run TYPE MUNICIPALITY DET P P P P P F Auto Tur 2 994 6 C -1.443 d Ref Offset 8.94 dB Ref 20.00 dBm Center Free 2.462000000 GH Start Fr 2.450920000 G Stop Fre 2.473080000 GH CF St 2.216000 M **Freq Offs** enter 2.46200 GHz Res BW 30 kHz Span 22.16 | 22.00 ms (30000 #VBW 100 kHz

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## 802.11g Modulation

Lowest channel



#### Middle channel



### Highest channel



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## 802.11n (HT20) Modulation

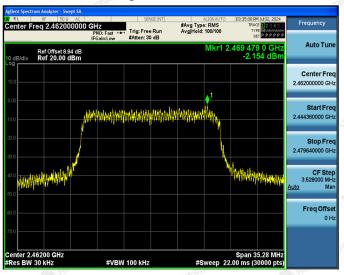
Lowest channel



#### Middle channel



## Highest channel



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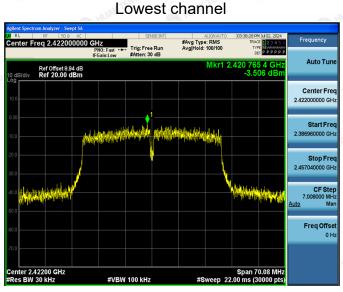
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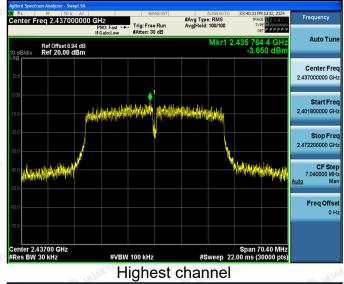
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### 802.11n (HT40) Modulation



#### Middle channel





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