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## **TEST REPORT**

#### For WIFI 2.4G

Report No.....: CHTW25070056

Project No .....: SHT2506018302W

FCC ID ...... 2ASWW-STAR9MAX

Applicant's name .....: XINCHUANGXIN INTERNATIONAL CO. LTD

STREET MONGKOK KL

Product Name .....: Tablet

Trade Mark.....: CORN

Model No....: Star9 Max

Listed Model(s) .....: -

Standard ...... FCC CFR Title 47 Part 15 Subpart C § 15.247

Date of receipt of test sample........... 2025/6/12

Date of testing...... 2025/6/19 - 2025/7/4

Date of issue...... 2025/7/17

Result...... PASS

Compiled by

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Testing Laboratory Name ...... Shenzhen Huatongwei International Inspection Co., Ltd.

Address.....: Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang

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China

Test Report Form No. .....: R0066

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Master TRF ...... Dated 2025-07

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## 1. TEST STANDARDS AND REPORT VERSION

## 1.1. Test Standards

The tests were performed according to following standards:

- FCC CFR Title 47 Part 15 Subpart C § 15.247: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz
- ANSI C63.10:2020: American National Standard for Testing Unlicensed Wireless Devices
- KDB 558074 D01 15.247 Meas Guidance v05r02: 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

## 1.2. Report version

Revision No.	Date of issue	Description
N/A	2025-07-17	Original

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# 2. TEST DESCRIPTION

Report clause	Test Items	Standard Requirement	Result	Test Engineer
5.1	Antenna Requirement	15.203/15.247(c)	PASS	Jiaxing Si
5.2	AC Conducted Emission	15.207	PASS	Yating Chen
5.3	Peak Output Power	15.247(b)(3)	PASS	Jiaxing Si
5.4	Power Spectral Density	15.247(e)	PASS	Jiaxing Si
5.5	6dB Bandwidth	15.247(a)(2)	PASS	Jiaxing Si
5.6	99% Occupied Bandwidth	-	PASS*1	Jiaxing Si
5.7	Duty cycle	-	PASS*1	Jiaxing Si
5.8	Conducted Band Edge and Spurious Emission	15.247(d)/15.205	PASS	Jiaxing Si
5.9	Radiated Band Edge Emission	15.205/15.209	PASS	Yifan Wang
5.10	Radiated Spurious Emission	15.247(d)/15.205/15.209	PASS	Yifan Wang

## Note:

The measurement uncertainty is not included in the test result.

 <sup>\*1:</sup> No requirement on standard, only report these test data.

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# 3. **SUMMARY**

## 3.1. Client Information

Applicant:	XINCHUANGXIN INTERNATIONAL CO. LTD	
Address:	ROOM 605 6/F, FA YUEN COMMERCIAL BUILDING, 75-77 FA YUEN STREET MONGKOK KL	
Manufacturer:	Shenzhen Chiteng Technology Co.,LTD	
Address:	Second Floor,Area A, Building 4, Huiye Technology Workshop, Guanguang Road, Tangjia Community, Gongming Street, Guangming New District, Shenzhen, Guangdong	

## 3.2. Product Description

Main unit information:				
Product Name:	Tablet			
Trade Mark:	CORN			
Model No.:	Star9 Max			
Listed Model(s):	-			
Power supply:	DC 3.8V from Battery			
Hardware version:	L30-T310-V1.0 250508-C			
Software version:	CORN_Star 9_Max_20250718			
Accessory unit information:				
Adapter information:	INPUT: 100~240V-50/60Hz 0.35A OUTPUT: DC 5.0V 2A			

## 3.3. Radio Specification Description

Support type:	⊠ 802.11b	⊠ 802.11g	⊠ 802.11n
Support bandwidth:	⊠ 20MHz	⊠ 40MHz	
Modulation:	802.11b:	DBPSK, DQPSK, BPSK, QPSK	
iviodulation.	802.11g/n:	BPSK, QPSK, 16QAM, 64QAM	
Operation frequency:	802.11b/g/n(HT20):	2412MHz~2462MHz	
Operation nequency.	802.11n(HT40)	2422MHz~2452MHz	
Channel number:	802.11b/g/n(HT20):	11	
Chamile number.	802.11n(HT40)	7	
Channel separation:	5MHz		
Antenna technology:	⊠ SISO □ MIMO		
Antenna type:	PIFA		
Antenna gain:	1.55dBi		

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# 3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.		
Laboratory Location	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China		
Contact information:	Phone: 400-963-0755 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn		
	Туре	Accreditation Number	
Qualifications	FCC Registration Number	762235	
	FCC Designation Number CN1181		

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## 4. TEST CONFIGURATION

## 4.1. Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channels which were tested. The Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the below blue front.

802.11b/g/n(HT20)		802.11n(HT40)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	03	2422
02	2417	04	2427
. :	· :	· :	· :
06	2437	06	2437
· :	· :	· :	· :
10	2457	08	2447
11	2462	09	2452

## 4.2. Test mode

For RF test items

The engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions:

The EUT was set to connect with the WLAN AP under large package sizes transmission.

For Radiated spurious emissions

The engineering test program was provided and enabled to make EUT continuous transmit.

The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data Recorded in the report.

Preliminary tests were performed in different data rates, final test modes are considering the modulation and worse data rates as below table.

Modulation	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)	MCS0
802.11n(HT40)	MCS0

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## 4.3. Test sample information

Test item	HTW sample no.	
RF Conducted test items	Please refer to the description in the appendix report	
RF Radiated test items	YPHT25060183002	
EMI test items	YPHT25060183002	

Note:

RF Conducted test items: Peak Output Power, Power Spectral Density, 6dB Bandwidth, 99% Occupied

Bandwidth, Duty cycle, Conducted Band Edge and Spurious Emission

RF Radiated test items: Radiated Band Edge Emission, Radiated Spurious Emission

EMI test items: AC Conducted Emission

## 4.4. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Whether support unit is used?					
✓ No	✓ No				
Item	Equipment	Trade Name	Model No.		
1					
2					

## 4.5. Testing environmental condition

Туре	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%
Air Pressure:	860~1060mbar	1000mbar

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## 4.6. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty				
1	AC Conducted Emission	3.21dB				
2	Peak Output Power	1.07				
3	Power Spectral Density	1.07				
4	6dB Bandwidth	0.002%				
5	99% Occupied Bandwidth	0.002%				
6	Duty cycle	-				
7	Conducted Band Edge and Spurious Emission	1.68dB				
8	Radiated Band Edge Emission	4.54dB for 30MHz-1GHz				
	radiated Baria Eage Emission	5.10dB for above 1GHz				
9	Padiated Spurious Emission	4.54dB for 30MHz-1GHz				
9	Radiated Spurious Emission	5.10dB for above 1GHz				

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

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# 4.7. Equipment Used during the Test

•	RF Conducted	d test item					
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Signal and spectrum Analyzer	R&S	HTWE0242	FSV40	100048	2024/8/27	2025/8/26
•	Vector signal generator	R&S	HTWE0244	SMBV100A	260790	2025/3/13	2026/3/12
•	OSP	R&S	HTWE0243	OSP120	101317	2025/4/17	2026/4/16
•	10dB Attenuator	R&S	HTWE0250-01	10dB Attenuator-1	N/A	2024/8/26	2025/8/25
•	10dB Attenuator	R&S	HTWE0250-02	10dB Attenuator-2	N/A	2024/8/26	2025/8/25
•	10dB Attenuator	R&S	HTWE0250-03	10dB Attenuator-3	N/A	2024/8/26	2025/8/25
•	10dB Attenuator	R&S	HTWE0250-04	10dB Attenuator-4	N/A	2024/8/26	2025/8/25
•	30dB Attenuator	R&S	HTWE0250-05	30dB Attenuator-5	N/A	2024/8/26	2025/8/25

•	Radiated emission- 9kHz~30MHz											
Used	''		Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)					
•	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2023/4/6	2026/4/5					
•	EMI Test Receiver	R&S	HTWE0099	ESCI 7	100900	2024/8/12	2025/8/11					
•	Loop Antenna	R&S	HTWE0546	HFH2-Z2E	101073	2024/4/8	2027/4/7					

•	Radiated emission- 30MHz~1GHz												
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)						
•	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2023/4/6	2026/4/5						
•	EMI Test Receiver	R&S	HTWE0099	ESCI 7	100900	2024/8/12	2025/8/11						
•	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0119	VULB9163	546	2023/2/22	2026/2/21						
•	Pre-Amplifer	SCHWARZBECK	HTWE0295	BBV 9742	1	2025/5/26	2026/5/25						
•	CMAD	SCHWARZBECK	HTWE0537	CMAD1614	1614-530	2024/8/5	2025/8/4						

•	Radiated emission- Above 1GHz												
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)						
•	Full-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	C11122	2023/4/17	2026/4/16						
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2024/8/12	2025/8/11						
•	Horn Antenna	SCHWARZBECK	HTWE0126	BBHA 9120D	1011	2023/2/14	2026/2/13						
•	Broadband Pre- amplifier	SCHWARZBECK	HTWE0551	SCU18F	100855	2025/5/26	2026/5/25						

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## 5. TEST CONDITIONS AND RESULTS

## 5.1. Antenna Requirement

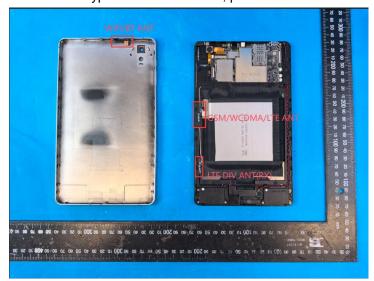
## REQUIREMENT

## FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responseble party shall 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

## **TEST RESULT**

The antenna type is a PIFA antenna, please refer to the below antenna photo.



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#### 5.2. AC Conducted Emission

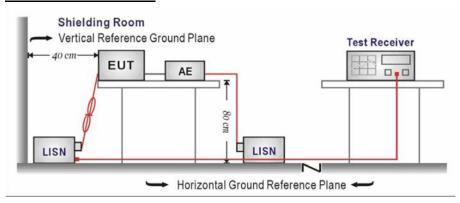
#### LIMIT

## FCC CFR Title 47 Part 15 Subpart C Section 15.207

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

<sup>\*</sup> Decreases with the logarithm of the frequency.

#### **TEST CONFIGURATION**



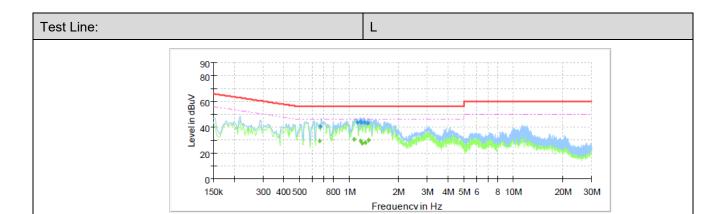
#### **TEST PROCEDURE**

- 1. The EUT was setup according to ANSI C63.10 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

## TEST MODE

Refer to the clause 4.2

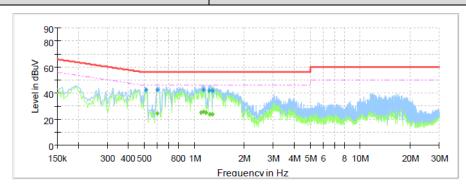
#### **TEST RESULT**



## Final\_Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.6613		29.64	46.00	16.36	L1	10.4
0.6693	40.35		56.00	15.65	L1	10.4
1.0758		30.69	46.00	15.31	L1	10.5
1.1230	43.82		56.00	12.18	L1	10.5
1.1688	44.29		56.00	11.71	L1	10.5
1.1699		29.55	46.00	16.45	L1	10.5
1.1949	43.63		56.00	12.37	L1	10.5
1.1986		27.51	46.00	18.49	L1	10.5
1.2456	43.80		56.00	12.20	L1	10.5
1.2536		28.20	46.00	17.80	L1	10.5
1.3074	43.29		56.00	12.71	L1	10.5
1.3114		29.86	46.00	16.14	L1	10.5

Test Line: N



## Final\_Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.5137	42.32		56.00	13.68	N	10.2
0.5993		24.62	46.00	21.38	N	10.2
0.5993	42.54		56.00	13.46	N	10.2
1.0942		24.89	46.00	21.11	N	10.2
1.1320		25.80	46.00	20.20	N	10.2
1.1360	42.43		56.00	13.57	N	10.2
1.1707		24.96	46.00	21.04	N	10.2
1.2341	41.86		56.00	14.14	N	10.2
1.2378		23.64	46.00	22.36	N	10.2
1.2794	41.98		56.00	14.02	N	10.2
1.2794		23.78	46.00	22.22	N	10.2
1.2842	41.68		56.00	14.32	N	10.2

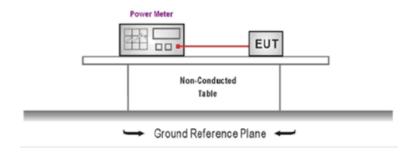
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## 5.3. Peak Output Power

#### LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3): 30dBm

## **TEST CONFIGURATION**



## **TEST PROCEDURE**

- 1. The EUT was tested according to ANSI C63.10 and KDB 558074 D01 requirements.
- 2. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
- 3. 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.
- 4. Record the measurement data.

## **TEST MODE**

Refer to the clause 4.2

## **TEST RESULT**

## **TEST DATA**

Refer to the appendix report

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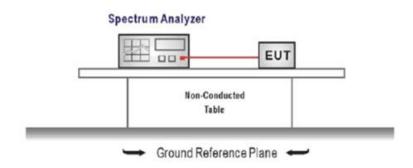
## 5.4. Power Spectral Density

#### LIMIT

## FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e):

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. Connect the antenna port(s) to the spectrum analyzer input,
- 2. Configure the spectrum analyzer as shown below:

Center frequency=DTS channel center frequency

Span =1.5 times the DTS bandwidth

RBW = 3 kHz ≤ RBW ≤ 100 kHz, VBW ≥ 3 × RBW

Sweep time = auto couple

Detector = peak

Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter wave form on the spectrum analyzer.
- 4. Use the peak marker function to determine the maximum amplitude level within the RBW.
- If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

### **TEST MODE**

Refer to the clause 4.2

## **TEST RESULT**

#### **TEST DATA**

Refer to the appendix report

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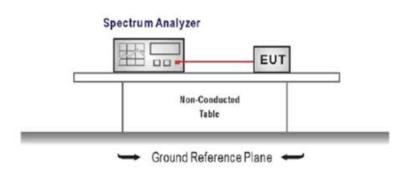
#### 5.5. 6dB bandwidth

#### LIMIT

## FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2):

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

## **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

Center Frequency =DTS channel center frequency

Span=2 x DTS bandwidth

RBW = 100 kHz, VBW ≥ 3 × RBW

Sweep time= auto couple

Detector = Peak

Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission, and record the pertinent measurements.

## **TEST MODE**

Refer to the clause 4.2

#### **TEST RESULT**

□ Passed □ Not Applicable

#### **TEST DATA**

Refer to the appendix report

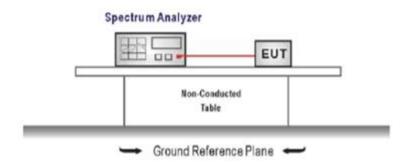
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## 5.6. 99% Occupied Bandwidth

#### <u>LIMIT</u>

N/A

## **TEST CONFIGURATION**



## **TEST PROCEDURE**

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output andthe spectrum analyzer).

Center Frequency =channel center frequency

Span≥1.5 x OBW

RBW = 1%~5%OBW

VBW ≥ 3 × RBW

Sweep time= auto couple

Detector = Peak

Trace mode = max hold

3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.

## **TEST MODE**

Refer to the clause 4.2

## **TEST RESULT**

#### **TEST DATA**

Refer to the appendix report

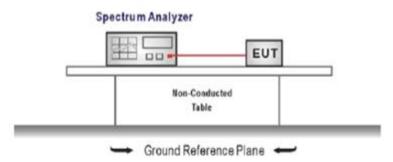
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## 5.7. Duty Cycle

## **LIMIT**

N/A

## **TEST CONFIGURATION**



## **TEST PROCEDURE**

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings:

Span=zero span, Frequency=centered channel, RBW= 1 MHz, VBW ≥ RBW

Sweep=as necessary to capture the entire dwell time,

Detector function = peak, Trigger mode

4. Measure and record the duty cycle data

## **TEST MODE**

Refer to the clause 4.2

#### **TEST DATA**

Refer to the appendix report

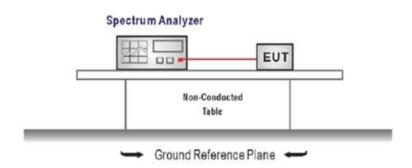
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## 5.8. Conducted Band edge and Spurious Emission

#### LIMIT

**FCC CFR Title 47 Part 15 Subpart C Section15.247 (d):**In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Establish a reference level by using the following procedure

Center frequency=DTS channel center frequency

The span = 1.5 times the DTS bandwidth.

RBW = 100 kHz, VBW ≥ 3 x RBW

Detector = peak, Sweep time = auto couple, Trace mode = max hold

Allow trace to fully stabilize

Use the peak marker function to determine the maximum PSD level

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

3. Emission level measurement

Set the center frequency and span to encompass frequency range to be measured

RBW = 100 kHz, VBW ≥ 3 x RBW

Detector = peak, Sweep time = auto couple, Trace mode = max hold

Allow trace to fully stabilize

Use the peak marker function to determine the maximum amplitude level.

- 4. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

#### TEST MODE

Refer to the clause 4.2

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TEST RESU	LI
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## **TEST DATA**

Refer to the appendix report

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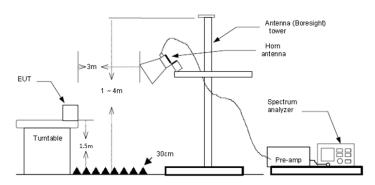
## 5.9. Radiated Band edge Emission

#### LIMIT

#### FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, Radiated Emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the Radiated Emissions limits specified in §15.209(a) (see §15.205(c)).

#### **TEST CONFIGURATION**



### **TEST PROCEDURE**

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. Thisis repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10 on radiated measurement.
- 5. Use the following spectrum analyzer settings:
  - a) Span shall wide enough to fully capture the emission being measured
  - b) Set RBW=100kHz for <1GHz, VBW=3\*RBW, Sweep time=auto, Detector=peak, Trace=max hold
  - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.7 duty cycle.

#### TEST MODE

Refer to the clause 4.2

## **TEST RESULT**

#### Note:

- 1) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m).

Туре		802.11b	Test	channel	CH0 <sup>2</sup>	1	Polari	ty	Horizo	ontal	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2310.00	44.28	27.86	3.95	41.18	20.00	54.91	74.00	-19.09	Peak	
2	2390.01	44.49	27.54	4.08	41.11	20.00	55.00	74.00	-19.00	Peak	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2310.00	32.86	27.86	3.95	41.18	20.00	43.49		-10.51	Average	
2	2390.01	32.98	27.54	4.08	41.11	20.00	43.49	54.00	-10.51	Average	
Туре		802.11b	Test	Test channel		CH01		Polarity		Vertical	
Mark	Frequency MHz	y Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2310.00	44.24	27.86	3.95	41.18	20.00	54.87	74.00	-19.13	Peak	
						20.00	2				
2	2390.01	44.94	27.54	4.08	41.11	20.00	55.45	74.00	-18.55	Peak	
2 Mark	2390.01 Frequency MHz	C LANGE BUILD	27.54 Antenna dB						111	Peak Remark	
HILL ST	Frequency	Reading	Antenna	4.08 Cable	41.11 Preamp	20.00 Aux	55.45 Level	74.00 Limit dBuV/m	Over limit		

Туре	80	2.11b	Test cl	hannel	CH11		Polarity		Horizon	tal
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	43.86	27.33	4.18	41.04	20.00	54.33	74.00	-19.67	Peak
2	2500.00	44.06	27.30	4.20	41.02	20.00	54.54	74.00	-19.46	Peak
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	33.12	27.33	4.18	41.04	20.00	43.59	54.00	-10.41	Average
2	2500.00	32.76	27.30	4.20	41.02	20.00	43.24	54.00	-10.76	Average
Туре	80	2.11b	Test cl	hannel	CH11		Polarity		Vertical	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	43.65	27.33	4.18	41.04	20.00	54.12	74.00	-19.88	Peak
2	2500.00	44.70	27.30	4.20	41.02	20.00	55.18	74.00	-18.82	Peak
Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	over	Remark
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	2483.49	32.86	27.33	4.18	41.04	20.00	43.33	54.00	-10.67	Average
2	2500.00	32.84	27.30	4.20	41.02	20.00	43.32	54.00	-10.68	Average

Туре		802.11g	Test	channel	CH01		Polarit	у	Horizo	ntal	
Mark	Frequency	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2310.00	44.40	27.86	3.95	41.18	20.00	55.03	74.00	-18.97	Peak	
2	2390.01	49.36	27.54	4.08	41.11	20.00	59.87	74.00	-14.13	Peak	
Mark	Frequency MHz	Reading	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2310.00	33.93	27.86	3.95	41.18	20.00	44.56	54.00	-9.44	Average	
2	2390.01	35.45	27.54	4.08	41.11	20.00	45.96	54.00	-8.04	Average	
Туре		802.11g	Test	channel	CH01		Polarity		Vertica	Vertical	
Mark	Frequency	y Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2310.00	43.79	27.86	3.95	41.18	20.00	54.42	74.00	-19.58	Peak	
2	2390.01	48.82	27.54	4.08	41.11	20.00	59.33	74.00	-14.67	Peak	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2310.00	34.04	27.86	3.95	41.18	20.00	44.67	54.00	-9.33	Average	
		35.20	27.54	4.08	41.11	20.00	45.71	54.00	-8.29	Average	

Туре	802	2.11g	Test ch	annel	CH11		Polarity		Horizonta	al
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	55.85	27.33	4.18	41.04	20.00	66.32	74.00	-7.68	Peak
2	2500.00	43.68	27.30	4.20	41.02	20.00	54.16	74.00	-19.84	Peak
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	36.14	27.33	4.18	41.04	20.00	46.61	54.00		Average
2	2500.00	33.65	27.30	4.20	41.02	20.00	44.13	54.00	-9.87	Average
Туре	80:	2.11g	Test ch	annel	CH11		Polarity		Vertical	
Mark	Frequency	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	57.27	27.33	4.18	41.04	20.00	67.74	74.00		Peak
2	2500.00	43.56	27.30	4.20	41.02	20.00	54.04	74.00	-19.96	Peak
Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	2483.49	40.02	27.33	4.18	41.04	20.00	50.49	54.00	-3.51	Average
2	2500.00	33.91	27.30	4.20	41.02	20.00	44.39	54.00	-9.61	Average

Туре		802.11n(HT20	) Test	channel	CH0	1	Polari	ty	Horiz	ontal
Mark	Frequency	_	Antenna		Preamp		Level	Limit	over	Remark
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limi	t
1	2310.00	44.27	27.86	3.95	41.18	20.00	54.90	74.00	-19.10	9 Peak
2	2390.03	47.47	27.54	4.08	41.11	20.00	57.98	74.00	-16.0	2 Peak
Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	2310.00	34.09	27.86	3.95	41.18	20.00	44.72	54.00	-9.28	Average
2	2390.03	35.03	27.54	4.08	41.11	20.00	45.54	54.00	-8.46	Average
Туре		802.11n(HT20	) Test	channel	CH0	1	Polari	ty	Verti	cal
Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	over	Remark
NI-TOOL NAMED OF	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	2310.00	44.04	27.86	3.95	41.18	20.00	54.67	74.00	-19.33	Peak
2	2390.03	51.47	27.54	4.08	41.11	20.00	61.98	74.00	-12.02	Peak
Mark	Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	2310.00	33.96	27.86	3.95	41.18	20.00	44.59	54.00	-9.41	Average
2	2390.03	35.76	27.54	4.08	41.11	20.00	46.27	54.00	-7.73	Average

Туре	8	02.11n(HT20)	-	Test chann	el Cl	H11	Polari	ty	Horizor	ntal
Mark	Frequer	cy Reading dBuV/m	Antenna dB	a Cable	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	51.79	27.33	4.18	41.04	20.00	62.26	74.00	-11.74	Peak
2	2500.00	44.31	27.30	4.20	41.02	20.00	54.79	74.00	-19.21	Peak
Mark	Frequenc MHz	y Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over F	Remark
1	2483.49	37.16	27.33	4.18	41.04	20.00	47.63	54.00	-6.37	Average
2	2500.00	33.68	27.30	4.20	41.02	20.00	44.16	54.00	-9.84	Average
Туре	8	02.11n(HT20)	-	Test chann	el Cl	H11	Polari	ty	Vertica	l
Mark	Frequen MHz	cy Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	54.75	27.33	4.18	41.04	20.00	65.22	74.00	-8.78	Peak
2	2500.00	43.47	27.30	4.20	41.02	20.00	53.95	74.00	-20.05	Peak
Mark	Frequen MHZ	cy Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	38.12	27.33	4.18	41.04	20.00	48.59	54.00	-5.41	Average
2	2500.00	33.93	27.30	4.20	41.02	20.00	44.41	54.00	-9.59	Average

Туре		802.1	1n(HT40)		Test chann	iel	CH03	}		Polarit	у	Horizor	ntal
Mark	Frequ MHz	ency	Reading dBuV/m	Anten dB	na Cable dB	Prea dB	qmp	Aux dB		evel BuV/m	Limit dBuV/m	Over limit	Remark
1	2310.	99	44.42	27.86	3.95	41.1	18 2	20.00	55	.05	74.00	-18.99	Peak
2	2390.	03	49.42	27.54	4.08	41.1	11 2	20.00	59	.93	74.00	-14.07	7 Peak
Mark	Frequ MHz	ency	Reading dBuV/m	Antenr dB	na Cable dB	Pream dB	•	lux IB		vel uV/m	Limit dBuV/m	Over limit	Remark
1	2310.	99	34.89	27.86	3.95	41.18	3 20	0.00		45.52	54.00	-8.48	Average
2	2390.	03	39.21	27.54	4.08	41.11	20	.00		49.72	54.00	-4.28	Average
Туре		802.1	1n(HT40)		Test chann	iel	CH03	3		Polarit	у	Vertical	
Mark	Frequ MHz	ency	Reading dBuV/m	Anten dB	na Cable dB	Prea dB		Aux dB		evel BuV/m	Limit dBuV/m	Over limit	Remark
1	2310.	99	43.70	27.86	3.95	41.1	8 2	0.00	54	.33	74.00	-19.67	Peak
2	2390.	03	53.82	27.54	4.08	41.1	1 2	0.00	64	.33	74.00	-9.67	Peak
Mark	Frequ MHZ	ency	Reading dBuV/m	Antenn dB	na Cable dB	Pream dB	p A d	ux B	Lev dBu	el V/m	Limit dBuV/m	Over limit	Remark
1	2310.	99	35.01	27.86	3.95	41.18	20	.00		45.64	54.00	-8.36	Average
2	2390.	03	39.93	27.54	4.08	41.11	20	.00		50.44	54.00	-3.56	Average

Type	8	302.11n(HT40)	)	Test chann	iel (	CH09	Pola	arity	Horiz	ontal
Mark	Frequenc MHz	y Reading dBuV/m	Antenna dB	a Cable dB	Pream dB	ip Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.52	56.57	27.33	4.18	41.04	20.00	67.04	74.00	-6.96	Peak
2	2500.00	44.51	27.30	4.20	41.02	20.00	54.99	74.00	-19.01	Peak
Mark	Frequenc	y Reading	Antenna	Cable	Pream	p Aux	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	2483.52	39.95	27.33	4.18	41.04	20.00	50.42	2 54.00	-3.58	Average
2	2500.00	34.58	27.30	4.20	41.02	20.00	45.06	54.00	-8.94	Average
Туре	8	302.11n(HT40)	)	Test chann	iel (	CH09	Pola	arity	Vertic	al
Mark	Frequenc	y Reading dBuV/m	Antenna dB	a Cable	Pream dB	mp Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.52	54.50	27.33	4.18	41.04	4 20.00	64.97	74.00	-9.03	Peak
2	2500.00	44.88	27.30	4.20	41.02	20.00	55.36	74.00	-18.64	Peak
Mark	Frequency MHz	y Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.52	41.73	27.33	4.18	41.04	20.00	52.20	54.00	-1.80	Average
2	2500.00	34.35	27.30	4.20	41.02	20.00	44.83	54.00	-9.17	Average

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## 5.10. Radiated Spurious Emission

## **LIMIT**

## FCC CFR Title 47 Part 15 Subpart C Section 15.209

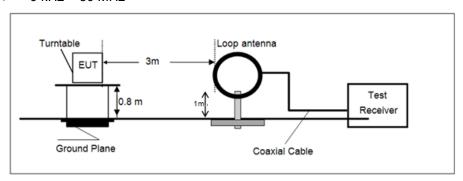
Frequency	Limit (dBuV/m)	Value
0.009 MHz ~0.49 MHz	2400/F(kHz) @300m	Quasi-peak
0.49 MHz ~ 1.705 MHz	24000/F(kHz) @30m	Quasi-peak
1.705 MHz ~30 MHz	30 @30m	Quasi-peak

Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40\*log(300/3)= Limit dBuV/m @300m +80, Limit dBuV/m @3m = Limit dBuV/m @30m +40\*log(30/3)= Limit dBuV/m @30m + 40.

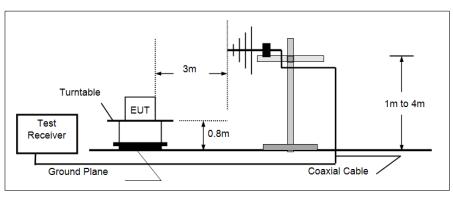
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above IGHZ	74.00	Peak

## **TEST CONFIGURATION**

## > 9 kHz ~ 30 MHz

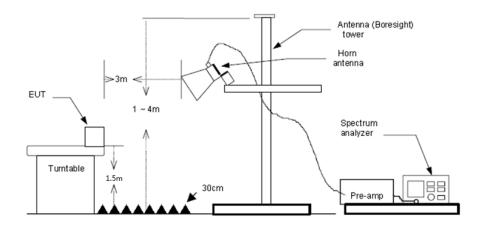


## > 30 MHz ~ 1 GHz



Above 1 GHz

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#### **TEST PROCEDURE**

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings
  - a) Span shall wide enough to fully capture the emission being measured;
  - b) Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.7 duty cycle.

#### TEST MODE

Refer to the clause 4.2

## **TEST RESULT**

#### Note:

- 1) Level= Reading + Factor/Transd; Factor/Transd = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit

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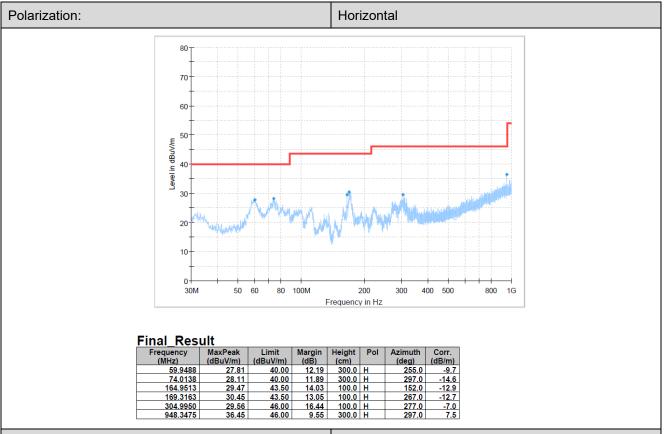
3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz

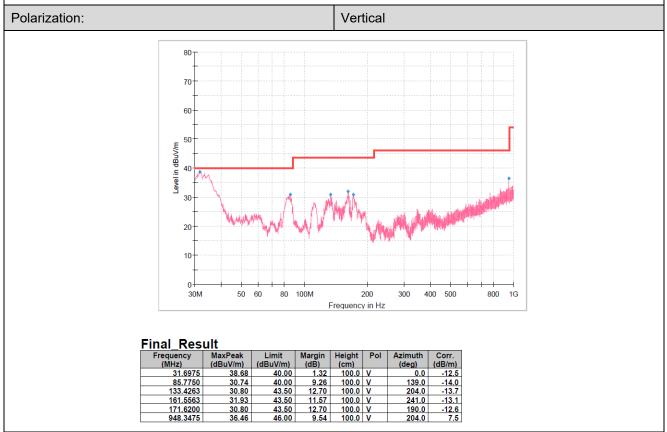
## For 9 kHz ~ 30 MHz

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

## For 30 MHz ~ 1000 MHz

Have pre-scan all test channel, found CH06 of 802.11B which it was worst case, so only show the worst case's data on this report.





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## For 1 GHz ~ 25 GHz

Туре	802.11	)	Test channel	-	CH01		Polarity		Horizont	al
Mark	Frequency	Reading	Antenna	Cabl	e Preamp	10	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	(	dBuV/m	dBuV/m	limit	
1	3498.74	49.88	28.99	5.07	40.93	43.	.01	74.00	-30.99	Peak
2	4821.76	49.65	31.26	5.89	40.28	46.	.52	74.00	-27.48	Peak
3	7245.81	48.76	36.00	7.56	39.73	52.	.59	74.00	-21.41	Peak
4	11633.54	40.89	40.17	9.36	40.39	50.	.03	74.00	-23.97	Peak
Туре	802.11	)	Test channel		CH01		Polarity		Vertical	
Mark	Frequency	Reading		Cabl			Level	Limit	Over	Remark
	MHZ	dBuV/m		dB	dB		dBuV/m	dBuV/m	limit	Dank
1	4821.76	49.09	31.26	5.89		45.		74.00	-28.04	Peak
2	6494.56	40.90	33.87	7.08			.62	74.00	-31.38	Peak
3	7245.81	47.68	36.00	7.56			.51	74.00	-22.49	Peak
4	11545.04	41.25	40.41	9.25	40.26	50.	.65	74.00	-23.35	Peak
Туре	802.11b	)	Test channel		CH06		Polarity		Horizont	al
Mark	Frequency	Reading		Cable			Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB		BuV/m	dBuV/m	limit	
1	3454.49	53.25	28.73	4.98		46.		74.00	-27.92	Peak
2	5762.24	44.17	31.92	6.69		43.		74.00	-30.56	Peak
3	7319.00	48.05	36.14	7.63			52.00	54.00	-2.00	Average
4	7319.96	52.78	36.14	7.63		56.		74.00	-17.27	Peak
5	11486.41	40.80	40.49	9.19	40.21	50.	27	74.00	-23.73	Peak
Туре	802.11b	)	Test channel		CH06		Polarity		Vertical	
Mark	Frequency MHz	Reading dBuV/m		Cabl dB	e Preamp dB		Level BuV/m	Limit dBuV/m	Over limit	Remark
1	3072.77	49.76	28.69	4.54		42.		74.00	-31.91	Peak
2	4871.10	46.40	31.20	5.92		43.		74.00	-30.74	Peak
3	7319.00	48.21	36.14	7.63		73.	52.16	54.00	-1.84	Average
4	7319.96	52.47	36.14	7.63		56.		74.00	-17.58	Peak
5	10916.26	41.98	40.50	8.83			69	74.00	-23.31	Peak
Туре	802.11		Test channel	-0.00	CH11		Polarity		Horizont	92002000
Mark	Frequency		Antenna	Cable			Level	Limit	Over	Remark
PIOI K	MHZ	dBuV/m	dB	dB	dB dB		BuV/m	dBuV/m	limit	Kelliai K
1	3498.74	52.10	28.99	5.07		45.		74.00	-28.77	Peak
2	4920.96	47.09	31.20	5.95		44.		74.00	-29.99	Peak
3	7394.00	47.78	36.20	7.70			51.78		-2.22	Average
4	7394.88	50.51	36.20	7.70		54.		74.00	-19.49	Peak
5	10888.51	41.33	40.48	8.84		50.		74.00	-23.94	Peak
Typo	802.11b		Test channel		CH11		Polarity		Vertical	
Туре							,			Damaria
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	e Preamp dB		Level BuV/m	Limit dBuV/m	Over limit	Remark
1	3579.82	45.83	29.26	5.19		39.		74.00	-34.68	Peak
2	4920.96	47.01	31.20	5.95			93	74.00	-30.07	Peak
3	7394.00	48.33	36.20	7.70	39.90		52.33		-1.67	Average
4	7394.88	52.23	36.20	7.70		56.		74.00	-17.77	Peak
5	10916.26	40.94	40.50	8.83		49.		74.00	-24.35	Peak
	20723120			2.02					222	

Туре	802.11g		Test channel		CH01		Polarit	у	Horizon	ıtal
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cab			Level	Limit dBuV/m	Over limit	Remark
1	3454.49	48.03	28.73	4.9	8 40.88	40.	86	74.00	-33.14	Peak
2	4821.76	47.60	31.26	5.8	9 40.28	44.	47	74.00	-29.53	Peak
3	7227.39	45.06	36.00	7.5		48.		74.00	-25.11	
4	11457.21	41.00	40.46	9.1		50.		74.00	-23.61	Peak
Туре	802.11g	l	Test channel		CH01		Polarit	y	Vertical	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cab:	le Preamp dB		Level BuV/m	Limit dBuV/m	Over	Remark
1	4664.81	46.79	31.03	5.8		43.		74.00	-30.66	Peak
2	5762.24	46.56	31.92	6.6		45.		74.00	-28.17	Peak
3	7227.39	46.97	36.00	7.5		50.		74.00	-23.20	Peak
4	11545.04	40.84	40.41	9.2		50.		74.00	-23.76	Peak
1 1 2						50.				
Туре	802.11g		Test channel		CH06		Polarit	У	Horizon	ıtal
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cabl dB	e Preamp. dB		evel uV/m	Limit dBuV/m	Over limit	Remark
1	3454.49	51.63	28.73	4.98	40.88	44.4	-6	74.00	-29.54	Peak
2	5762.24	46.35	31.92	6.69	39.34	45.6	2	74.00	-28.38	Peak
3	7301.00	38.54	36.10	7.61	39.80		42.45	54.00	-11.55	Average
4	7301.36	50.70	36.10	7.61	39.80	54.6	1	74.00	-19.39	Peak
5	11428.08	41.35	40.43	9.14	40.27	50.6	5	74.00	-23.35	Peak
Туре	802.11g		Test channel		CH06		Polarit	у	Vertical	
Mark	Frequency	Reading dBuV/m	Antenna dB	Cabl	e Preamp dB		evel	Limit dBuV/m	Over limit	Remark
1	4664.81	44.63	31.03	5.86			uV/m		-32.82	Peak
1						41.1				
2	6379.86	41.09	33.32	6.89		42.1			-31.90	Peak
3	7319.00	43.41	36.14	7.63			47.36	54.00	-6.64	Average
4	7319.96	53.06	36.14	7.63		57.0			-16.99	Peak
5	11457.21	40.81	40.46	9.17	40.24	50.2	.0	74.00	-23.80	Peak
Туре	802.11g	l	Test channel		CH11		Polarit	y	Horizon	ıtal
Mark	Frequency	Reading	Antenna	Cabl			Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB		BuV/m	dBuV/m	limit	Beet.
1	3498.74	53.71	28.99	5.07		46.8		74.00		Peak
2	4664.81	46.94	31.03	5.86		43.4		74.00	-30.51	Peak
3	7376.00	39.91	36.20	7.68			43.91	54.00	-10.09	Average
4	7376.08	49.92	36.20	7.68		53.5		74.00	-20.08	Peak
5	11545.04	41.29	40.41	9.25	40.26	50.	69	74.00	-23.31	Peak
Туре	802.11g	l	Test channel		CH11		Polarit	y	Vertical	
Mark	Frequency	Reading	Antenna	Cabl			evel	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB		BuV/m	dBuV/m	limit	
1	3738.13	47.87	29.35	5.23		41.7		74.00	-32.24	Peak
2	4664.81	45.65	31.03	5.86		42.2		74.00	-31.80	Peak
3	7394.00	42.78	36.20	7.70			46.78	54.00	-7.22	Average
4	7394.88	52.94	36.20	7.70	39.90	56.9	94	74.00	-17.06	Peak
5	11399.03	41.24	40.40	9.12	40.30	50.4	16	74.00	-23.54	Peak

Frequency MHZ 3454.49 4821.76 7227.39 11399.03  802.11n( Frequency MHZ 4834.05 6713.08 7245.81 11428.08  802.11n( Frequency MHZ 3454.49 5379.50 7319.96 10971.98	Reading dBuV/m 43.76 41.42 44.61 40.99 HT20) Reading dBuV/m 50.53 46.66 45.37 41.27	Antenna dB 28.73 31.26 36.00 40.40 Test cha dB 31.23 34.10 36.00 40.43 Test cha dB 28.73 31.52 36.14 40.50	Cable dB 5.90 7.44 7.56 9.14	Preamp dB 40.88 40.28 39.71 40.30 CH01 Preamp dB 40.27 39.30 39.73 40.27 CH06 Preamp dB 40.88 39.80 39.82 40.67	dBu' 42.75 43.96 48.55 50.59 Lev dBu' 40.62 43.66 48.44 50.29	Polar Polar Polar Polar	74.00 74.00 74.00 ity Limit dBuV/m 74.00 74.00 74.00 ity Limit dBuV/m 74.00 74.00 74.00	Over limit -31.25 -30.04 -25.45 -23.41 Vertical Over limit -33.38 -30.34 -25.56 -23.71 Horizon Over limit -30.64 -29.31 -24.68	Remark Peak Peak Peak Ital Remark Peak Peak Peak Peak
4821.76 7227.39 11399.03  802.11n(I Frequency MHZ 4834.05 6713.08 7245.81 11428.08  802.11n(I Frequency MHZ 3454.49 5379.50 7319.96 10971.98	47.09 44.72 41.37 HT20) Reading dBuV/m 43.76 41.42 44.61 40.99 HT20) Reading dBuV/m 50.53 46.66 45.37 41.27	31.26 36.00 40.40 Test cha Antenna dB 31.23 34.10 36.00 40.43 Test cha Antenna dB 28.73 31.52 36.14 40.50	5.89 7.54 9.12 annel Cable dB 5.90 7.44 7.56 9.14 annel Cable dB 4.98 6.31 7.63	40.28 39.71 40.30 CH01 Preamp dB 40.27 39.30 39.73 40.27 CH06 Preamp dB 40.88 39.80 39.82	42.75 43.96 48.55 50.59 Lev dBuv 40.62 43.66 48.44 50.29 Le dBuv 40.62 43.66 48.44 50.29	Polar Polar Polar Polar	74.00 74.00 74.00 ity Limit dBuV/m 74.00 74.00 74.00 ity Limit dBuV/m 74.00 74.00 74.00	-30.04 -25.45 -23.41 Vertical Over limit -33.38 -30.34 -25.56 -23.71 Horizon Over limit -30.64 -29.31 -24.68	Peak Peak Peak Peak Peak Peak Peak Peak
7227.39 11399.03 802.11n(I Frequency MHZ 4834.05 6713.08 7245.81 11428.08 802.11n(I Frequency MHZ 3454.49 5379.50 7319.96 10971.98	44.72 41.37 HT20) Reading dBuV/m 43.76 41.42 44.61 40.99 HT20) Reading dBuV/m 50.53 46.66 45.37 41.27	36.00 40.40  Test cha Antenna dB 31.23 34.10 36.00 40.43  Test cha Antenna dB 28.73 31.52 36.14 40.50	7.54 9.12 annel Cable dB 5.90 7.44 7.56 9.14 annel Cable dB 4.98 6.31 7.63	39.71 40.30 CH01 Preamp dB 40.27 39.30 39.73 40.27 CH06 Preamp dB 40.88 39.80 39.82	48.55 50.59 Lev dBuv 40.62 43.66 48.44 50.29 Lev dBuv 44.62 43.44 49.33	Polar //m Polar evel	74.00 74.00 rity Limit dBuV/m 74.00 74.00 74.00 rity Limit dBuV/m 74.00 74.00 74.00 74.00	-25.45 -23.41 Vertical Over limit -33.38 -30.34 -25.56 -23.71 Horizon Over limit -30.64 -29.31 -24.68	Peak Peak Peak Peak Peak Peak Peak Peak
802.11n() Frequency MHz 4834.05 6713.08 7245.81 11428.08  802.11n() Frequency MHz 3454.49 5379.50 7319.96 10971.98	HT20)  Reading dBuV/m 43.76 41.42 44.61 40.99  HT20)  Reading dBuV/m 50.53 46.66 45.37 41.27	Antenna dB 31.23 34.10 36.00 40.43 Test cha Antenna dB 28.73 31.52 36.14 40.50	9.12 annel  Cable dB 5.90 7.44 7.56 9.14 annel  Cable dB 4.98 6.31 7.63	40.30 CH01 Preamp dB 40.27 39.30 39.73 40.27 CH06 Preamp dB 40.88 39.80 39.82	50.59  Lev dBuv 40.62 43.66 48.44 50.29  Lev dBuv 40.62 43.66 48.44 50.29	Polar	74.00 rity Limit dBuV/m 74.00 74.00 74.00 rity Limit dBuV/m 74.00 74.00 74.00 74.00	-23.41  Vertical  Over limit -33.38 -30.34 -25.56 -23.71  Horizon  Over limit -30.64 -29.31 -24.68	Peak Peak Peak Peak Peak Peak Peak Peak
802.11n() Frequency MHz 4834.05 6713.08 7245.81 11428.08  802.11n() Frequency MHz 3454.49 5379.50 7319.96 10971.98	Reading dBuV/m 43.76 41.42 44.61 40.99 HT20) Reading dBuV/m 50.53 46.66 45.37 41.27	Test cha Antenna dB 31.23 34.10 36.00 40.43 Test cha Antenna dB 28.73 31.52 36.14 40.50	Cable dB 5.90 7.44 7.56 9.14 cannel Cable dB 4.98 6.31 7.63	CH01  Preamp dB 40.27 39.30 39.73 40.27  CH06  Preamp dB 40.88 39.80 39.82	Lev dBu\ 40.62 43.66 48.44 50.29 D Le dBi 43.34 44.65 49.33	Polar //m Polar evel uv/m	Limit dBuV/m 74.00 74.00 74.00 74.00 ity Limit dBuV/m 74.00 74.00 74.00	Over limit -33.38 -30.34 -25.56 -23.71 Horizon Over limit -30.64 -29.31 -24.68	Remark Peak Peak Peak atal Remark Peak Peak Peak Peak Peak
Frequency MHZ 4834.05 6713.08 7245.81 11428.08 802.11n( Frequency MHZ 3454.49 5379.50 7319.96 10971.98	Reading dBuV/m 43.76 41.42 44.61 40.99 HT20) Reading dBuV/m 50.53 46.66 45.37 41.27	Antenna dB 31.23 34.10 36.00 40.43 Test cha Antenna dB 28.73 31.52 36.14 40.50	Cable dB 5.90 7.44 7.56 9.14 annel Cable dB 4.98 6.31 7.63	Preamp dB 40.27 39.30 39.73 40.27 CH06 Preamp dB 40.88 39.80 39.82	dBu\ 40.62 43.66 48.44 50.29  L( dBi 43.36 44.66 49.33	Polar evel uv/m 6	Limit dBuV/m 74.00 74.00 74.00 74.00 ity Limit dBuV/m 74.00 74.00 74.00	Over limit -33.38 -30.34 -25.56 -23.71 Horizon Over limit -30.64 -29.31 -24.68	Remark Peak Peak Peak Ital Remark Peak Peak Peak Peak
MHZ 4834.05 6713.08 7245.81 11428.08 802.11n(I Frequency MHZ 3454.49 5379.50 7319.96 10971.98	dBuV/m 43.76 41.42 44.61 40.99 HT20) Reading dBuV/m 50.53 46.66 45.37 41.27	dB 31.23 34.10 36.00 40.43 Test cha Antenna dB 28.73 31.52 36.14 40.50	dB 5.90 7.44 7.56 9.14 annel Cable dB 4.98 6.31 7.63	dB 40.27 39.30 39.73 40.27 CH06 Preamp dB 40.88 39.80 39.82	dBu\ 40.62 43.66 48.44 50.29  L( dBi 43.36 44.66 49.33	Polar evel uv/m 5	dBuV/m 74.00 74.00 74.00 74.00 ity Limit dBuV/m 74.00 74.00 74.00	limit -33.38 -30.34 -25.56 -23.71 Horizon Over limit -30.64 -29.31 -24.68	Peak Peak Peak tal Remark Peak Peak Peak Peak
4834.05 6713.08 7245.81 11428.08 802.11n( Frequency MHZ 3454.49 5379.50 7319.96 10971.98	43.76 41.42 44.61 40.99 HT20) Reading dBuV/m 50.53 46.66 45.37 41.27	31.23 34.10 36.00 40.43 Test cha Antenna dB 28.73 31.52 36.14 40.50	7.44 7.56 9.14 annel Cable dB 4.98 6.31 7.63	40.27 39.30 39.73 40.27 CH06 Preamp dB 40.88 39.80 39.82	40.62 43.66 48.44 50.29 0 L0 dB 43.30 44.69	Polar evel uV/m 5	74.00 74.00 74.00 74.00 ity Limit dBuV/m 74.00 74.00 74.00	-33.38 -30.34 -25.56 -23.71 Horizon Over limit -30.64 -29.31 -24.68	Peak Peak Ital Remark Peak Peak Peak Peak
6713.08 7245.81 11428.08 802.11n(I Frequency MHZ 3454.49 5379.50 7319.96 10971.98	41.42 44.61 40.99 HT20) Reading dBuV/m 50.53 46.66 45.37 41.27	34.10 36.00 40.43 Test cha Antenna dB 28.73 31.52 36.14 40.50	7.44 7.56 9.14 annel Cable dB 4.98 6.31 7.63	39.30 39.73 40.27 CH06 Preamp dB 40.88 39.80 39.82	43.66 48.44 50.29 0 Le dBi 43.3i 44.69	evel uV/m 5	74.00 74.00 74.00 ity Limit dBuV/m 74.00 74.00 74.00	-30.34 -25.56 -23.71 Horizon Over limit -30.64 -29.31 -24.68	Peak Peak Ital Remark Peak Peak Peak Peak
7245.81 11428.08 802.11n(I Frequency MHz 3454.49 5379.50 7319.96 10971.98	44.61 40.99 HT20) Reading dBuV/m 50.53 46.66 45.37 41.27	36.00 40.43 Test cha Antenna dB 28.73 31.52 36.14 40.50	7.56 9.14 annel Cable dB 4.98 6.31 7.63	39.73 40.27 CH06 Preamp dB 40.88 39.80 39.82	48.44 50.29 Le dBi 43.36 44.69 49.33	evel uV/m 5	74.00 74.00 ity Limit dBuV/m 74.00 74.00 74.00	-25.56 -23.71 Horizon Over limit -30.64 -29.31 -24.68	Peak Peak Remark Peak Peak Peak Peak
802.11n(l Frequency MHz 3454.49 5379.50 7319.96 10971.98	40.99 HT20) Reading dBuV/m 50.53 46.66 45.37 41.27	40.43  Test cha  Antenna dB 28.73 31.52 36.14 40.50	9.14 annel Cable dB 4.98 6.31 7.63	40.27 CH06 Preamp dB 40.88 39.80 39.82	50.29 dBi 43.3i 44.6i 49.3i	evel uV/m 5	74.00 ity Limit dBuV/m 74.00 74.00 74.00	-23.71 Horizon Over limit -30.64 -29.31 -24.68	Peak Remark Peak Peak Peak Peak
Frequency MHZ 3454.49 5379.50 7319.96 10971.98	Reading dBuV/m 50.53 46.66 45.37 41.27	Antenna dB 28.73 31.52 36.14 40.50	Cable dB 4.98 6.31 7.63	Preamp dB 40.88 39.80 39.82	43.36 44.69 49.3	evel uV/m 5	Limit dBuV/m 74.00 74.00 74.00	Over limit -30.64 -29.31 -24.68	Remark Peak Peak Peak
MHZ 3454.49 5379.50 7319.96 10971.98	dBuV/m 50.53 46.66 45.37 41.27	dB 28.73 31.52 36.14 40.50	dB 4.98 6.31 7.63	dB 40.88 39.80 39.82	43.36 44.69 49.3	uV/m 5 9 2	dBuV/m 74.00 74.00 74.00	limit -30.64 -29.31 -24.68	Peak Peak Peak
5379.50 7319.96 10971.98	46.66 45.37 41.27	31.52 36.14 40.50	6.31 7.63	39.80 39.82	44.69	9	74.00 74.00	-29.31 -24.68	Peak Peak
5379.50 7319.96 10971.98	45.37 41.27	31.52 36.14 40.50	6.31 7.63	39.80 39.82	49.3	2	74.00 74.00	-29.31 -24.68	Peak Peak
7319.96 10971.98	45.37 41.27	36.14 40.50	7.63	39.82	49.3	2	74.00	-24.68	Peak
10971.98	41.27	40.50			1750000	Land 1			
802.11n(	HT20)	T				1	74.00	-24.09	Peak
	,	Test cha	annel	CH06 Polarity		rity	Vertical		
Frequency	Reading	Antenna	Cable	Preamp		vel	Limit	Over	Remark
MHZ	dBuV/m	dB	dB	dB		V/m	dBuV/m	limit	
3498.74	48.17	28.99	5.07	40.93	41.30		74.00	-32.70	Peak
6678.99	42.17	34.14	7.40	39.29	44.42		74.00	-29.58	Peak
7319.96							74.00		Peak
11486.41	41.00	40.49	9.19	40.21	50.47		74.00	-23.53	Peak
802.11n(	HT20)	Test cha	annel	CH11		Polar	rity	Horizon	ıtal
Frequency	Reading	Antenna	Cable				Limit	Over	Remark
									Peak
									Peak
1145/.21	41.31	40.46	9.1/	40.24	50.70		74.00	-23.30	Peak
802.11n(	HT20)	Test cha	annel	CH11		Polar	ity	Vertical	
Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB			Limit dBuV/m	Over limit	Remark
									Peak
									Peak
									Peak
									Peak
1	7319.96 11486.41 802.11n(I Frequency MHz 3498.74 5762.24 7394.88 11457.21 802.11n(I Frequency MHz 3738.13 4920.96 7394.88	7319.96 49.46 11486.41 41.00  802.11n(HT20)  Frequency Reading MHz dBuV/m 3498.74 52.05 5762.24 44.42 7394.88 45.93 11457.21 41.31  802.11n(HT20)  Frequency Reading MHz dBuV/m 3738.13 47.44 4920.96 44.38 7394.88 48.65	7319.96 49.46 36.14 11486.41 41.00 40.49  802.11n(HT20) Test cha  Frequency Reading Antenna MHz dBuV/m dB 3498.74 52.05 28.99 5762.24 44.42 31.92 7394.88 45.93 36.20 11457.21 41.31 40.46  802.11n(HT20) Test cha  Frequency Reading Antenna MHz dBuV/m dB 3738.13 47.44 29.35 4920.96 44.38 31.20 7394.88 48.65 36.20	7319.96 49.46 36.14 7.63 11486.41 41.00 40.49 9.19  802.11n(HT20) Test channel  Frequency Reading Antenna Cable MHz dBuV/m dB dB 3498.74 52.05 28.99 5.07 5762.24 44.42 31.92 6.69 7394.88 45.93 36.20 7.70 11457.21 41.31 40.46 9.17  802.11n(HT20) Test channel  Frequency Reading Antenna Cable MHz dBuV/m dB dB 3738.13 47.44 29.35 5.23 4920.96 44.38 31.20 5.95 7394.88 48.65 36.20 7.70	7319.96 49.46 36.14 7.63 39.82 11486.41 41.00 40.49 9.19 40.21  802.11n(HT20) Test channel CH11  Frequency Reading Antenna Cable Preamp MHz dBuV/m dB dB dB 3498.74 52.05 28.99 5.07 40.93 5762.24 44.42 31.92 6.69 39.34 7394.88 45.93 36.20 7.70 39.90 11457.21 41.31 40.46 9.17 40.24  802.11n(HT20) Test channel CH11  Frequency Reading Antenna Cable Preamp MHz dBuV/m dB dB dB 3738.13 47.44 29.35 5.23 40.69 4920.96 44.38 31.20 5.95 40.23 7394.88 48.65 36.20 7.70 39.90	7319.96	7319.96	7319.96	7319.96

Туре	802.11n(	HT40)	Test cha	nnel	CH03		Pola	rity	Horizon	tal
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB		evel uV/m	Limit dBuV/m	Over limit	Remark
1	3498.74	53.46	28.99	5.07	40.93	46.5	9	74.00	-27.41	Peak
2	5379.50	43.97	31.52	6.31	39.80 42.00		9	74.00	-32.00	Peak
3	7301.36	43.66	36.10	7.61	39.80	47.5	7	74.00	-26.43	Peak
4	11457.21	40.40	40.46	9.17	40.24	49.7	9	74.00	-24.21	Peak
Туре	802.11n(	HT40)	Test cha	nnel	CH03		Pola	rity	Vertical	
Mark	Frequency	Reading	Antenna	Cable	Preamp	100	evel	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB		IV/m	dBuV/m	limit	-
1	3844.28	46.38	29.58	5.29	40.52	40.73		74.00	-33.27	Peak
2	5747.59	41.67	31.90	6.67	39.36	40.88		74.00	-33.12	Peak
3	7301.36	45.43	36.10	7.61	39.80	49.34		74.00	-24.66	Peak
4	11457.21	41.97	40.46	9.17	40.24	51.36	5	74.00	-22.64	Peak
Туре	802.11n(	HT40)	Test cha	nnel	CH06		Pola	rity	Horizon	tal
Mark	Frequency	Reading	Antenna	Cable	Preamp	Le	evel	Limit	over	Remark
	MHZ	dBuV/m	dB	dB	dB	dBu	JV/m	dBuV/m	limit	
1	3454.49	52.54	28.73	4.98	40.88	45.37	7	74.00	-28.63	Peak
2	4664.81	44.79	31.03	5.86	40.34	41.34	4	74.00	-32.66	Peak
3	7301.36	44.02	36.10	7.61	39.80	47.93	3	74.00	-26.07	Peak
4	11399.03	41.14	40.40	9.12	40.30	50.36	5	74.00	-23.64	Peak
Туре	802.11n(	HT40)	Test cha	nnel	CH06		Pola	rity	Vertical	
Mark	Frequency	Reading	Antenna	Cable	Preamp		evel	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB		IV/m	dBuV/m	limit	
1	3690.85	43.67	29.20	5.22	40.77	37.32		74.00	-36.68	Peak
2	5125.52	43.71	31.95	6.10	40.05	41.71	L	74.00	-32.29	Peak
3	7319.96	46.40	36.14	7.63	39.82	50.35	5	74.00	-23.65	Peak
4	10888.51	41.47	40.48	8.84	40.59	50.20	)	74.00	-23.80	Peak
Туре	802.11n(	HT40)	Test cha	nnel	CH09		Pola	rity	Horizon	tal
Mark	Frequency	Reading	Antenna	Cable	Preamp	Le	vel	Limit	over	Remark
	MHZ	dBuV/m	dB	dB	dB	dBu	V/m	dBuV/m	limit	
1	3728.63	51.22	29.31	5.23	40.71	45.05		74.00	-28.95	Peak
2	5191.17	46.96	31.65	6.16	39.97	44.80	,	74.00	-29.20	Peak
3	7357.33	44.92	36.20	7.67	39.86	48.93		74.00	-25.07	Peak
4	11486.41	41.26	40.49	9.19	40.21	50.73		74.00	-23.27	Peak
Туре	802.11n(		Test cha		CH09		Polai		Vertical	
1211		,		1 1 1 1 1 1 1	111			-		Damada
Mark	Frequency		Antenna	Cable	100000000000000000000000000000000000000		evel	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB		uV/m	dBuV/m	limit	Deed:
1	3454.49	48.50	28.73	4.98	40.88	41.3		74.00	-32.67	Peak
	4664.81	47.48	31.03	5.86	40.34	44.0		74.00	-29.97	Peak
2									22 20	
3	7357.33 10560.94	47.70	40.00	7.67 8.98	39.86	51.7 49.6		74.00	-22.29 -24.39	Peak Peak

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# 6. TEST SETUP PHOTOS

Refer to the test report No.: CHTW25070054

## 7. EXTERNAL AND INTERNAL PHOTOS

Refer to the test report No.: CHTW25070051

## 8. <u>APPENDIX REPORT</u>

# **APPENDIX REPORT**

Project No.	SHT2506018302W	Radio Specification	WIFI 2.4G
Test sample No.	YPHT25060183003	Model No.	Star9 Max
Start test date	2025-06-25	Finish date	2025-06-26
Temperature	<b>24.1</b> ℃	Humidity	61%
Test Engineer	Jiaxing Si	Auditor	Xiaodong Zheo

Appendix clause	Test item	Result
А	Conducted Peak Output Power	PASS
В	Power Spectral Density	PASS
С	6dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emission(Conducted)	PASS

# **Appendix A: Conducted Peak Output Power**

## **Test Result Peak**

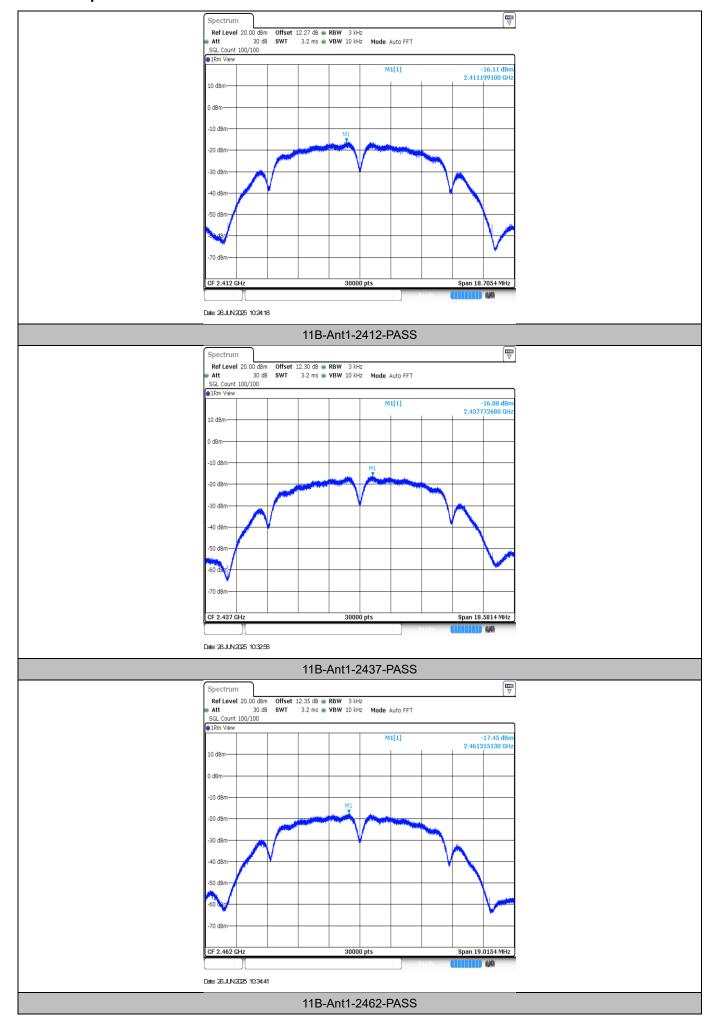
Test Mode	Frequency [MHz]	Peak power [dBm]	Conducted Limit[dBm]	Verdict	
11B	2412	17.48	≤30.00	PASS	
11B	2437	18.13	≤30.00	PASS	
11B	2462	16.35	≤30.00	PASS	
11G	2412	21.01	≤30.00	PASS	
11G	2437	21.32	≤30.00	PASS	
11G	2462	20.27	≤30.00	PASS	
11N20SISO	2412	20.83	≤30.00	PASS	
11N20SISO	2437	21.04	≤30.00	PASS	
11N20SISO	2462	19.85	≤30.00	PASS	
11N40SISO	2422	20.83	≤30.00	PASS	
11N40SISO	2437	20.98	≤30.00	PASS	
11N40SISO	2452	21.70	≤30.00	PASS	

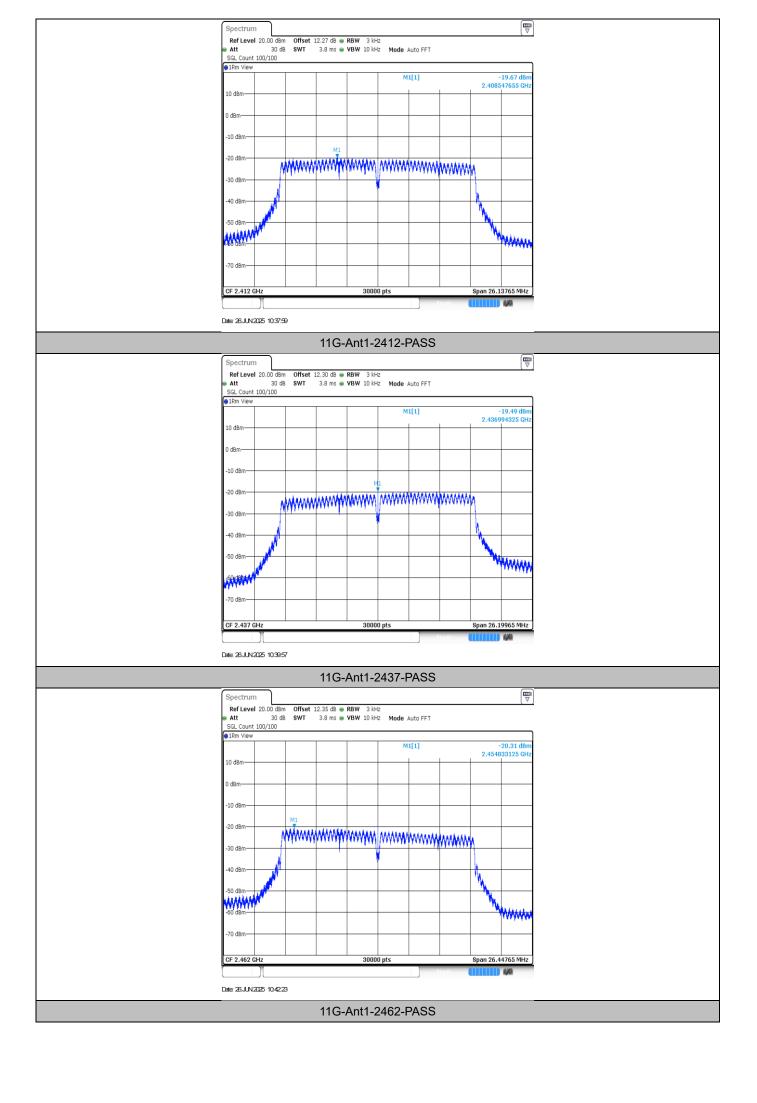
# Test Result Average

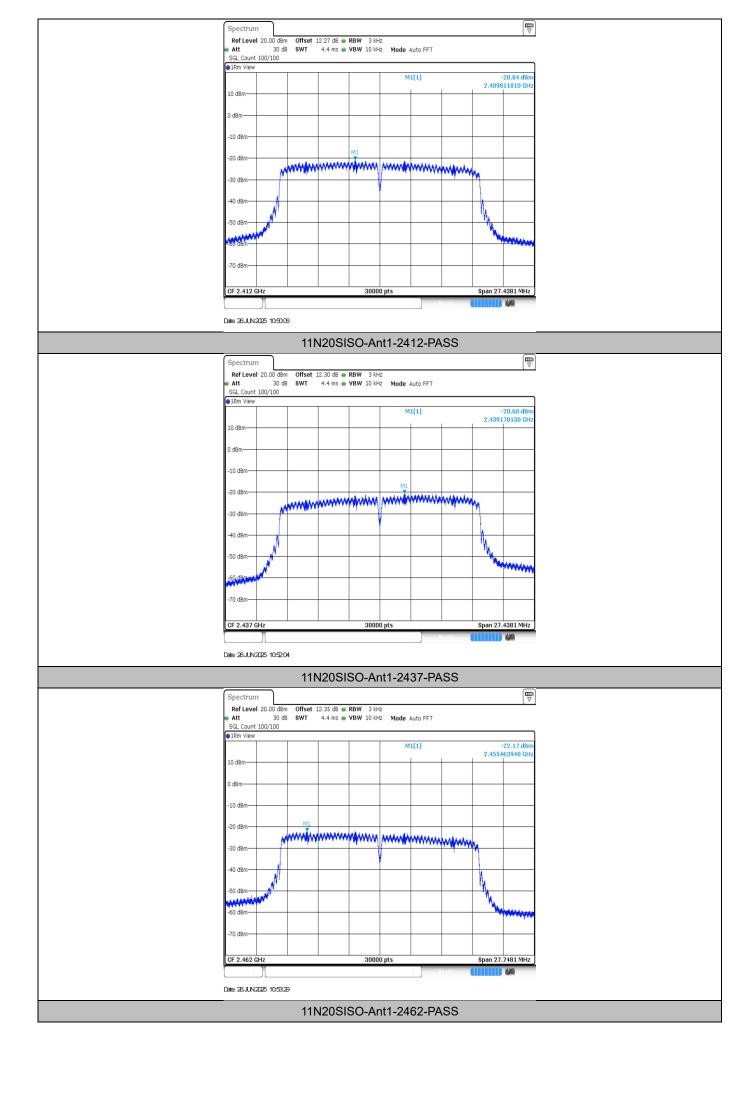
TestMode	Frequency [MHz]	Average Powert[dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	15.43	99.29	0.03	15.43	≤30.00	PASS
11B	2437	15.23	99.06	0.04	15.23	≤30.00	PASS
11B	2462	14.05	99.18	0.04	14.05	≤30.00	PASS
11G	2412	14.40	95.21	0.21	14.40	≤30.00	PASS
11G	2437	14.30	94.56	0.24	14.30	≤30.00	PASS
11G	2462	13.22	95.10	0.22	13.22	≤30.00	PASS
11N20SISO	2412	13.97	94.31	0.25	13.97	≤30.00	PASS
11N20SISO	2437	13.83	94.26	0.26	13.83	≤30.00	PASS
11N20SISO	2462	12.87	92.80	0.32	12.87	≤30.00	PASS
11N40SISO	2422	13.97	90.77	0.42	13.97	≤30.00	PASS
11N40SISO	2437	13.76	89.23	0.49	13.76	≤30.00	PASS
11N40SISO	2452	14.53	89.39	0.49	14.53	≤30.00	PASS

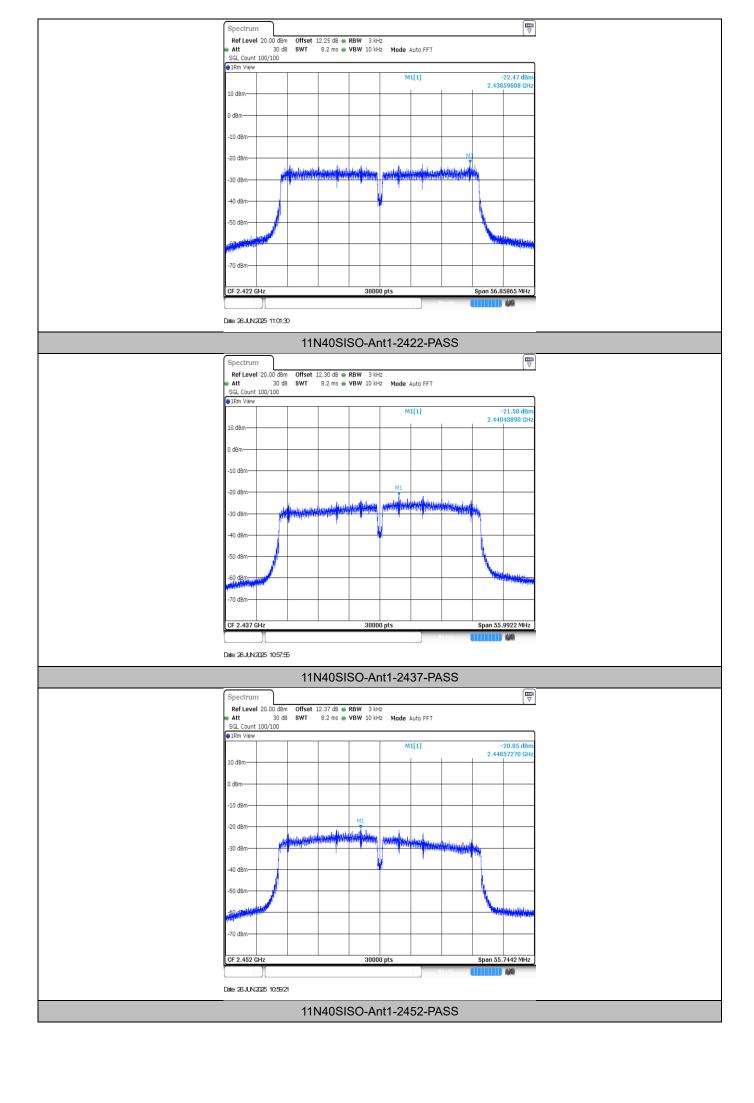
# **Appendix B: Power Spectral Density**

TestMode	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-16.08	≤8.00	PASS
11B	2437	-16.04	≤8.00	PASS
11B	2462	-17.41	≤8.00	PASS
11G	2412	-19.46	≤8.00	PASS
11G	2437	-19.25	≤8.00	PASS
11G	2462	-20.09	≤8.00	PASS
11N20SISO	2412	-20.59	≤8.00	PASS
11N20SISO	2437	-20.34	≤8.00	PASS
11N20SISO	2462	-21.85	≤8.00	PASS
11N40SISO	2422	-21.90 ≤8.00		PASS
11N40SISO	2437	-21.09 ≤8.00		PASS
11N40SISO	2452	-20.36	≤8.00	PASS



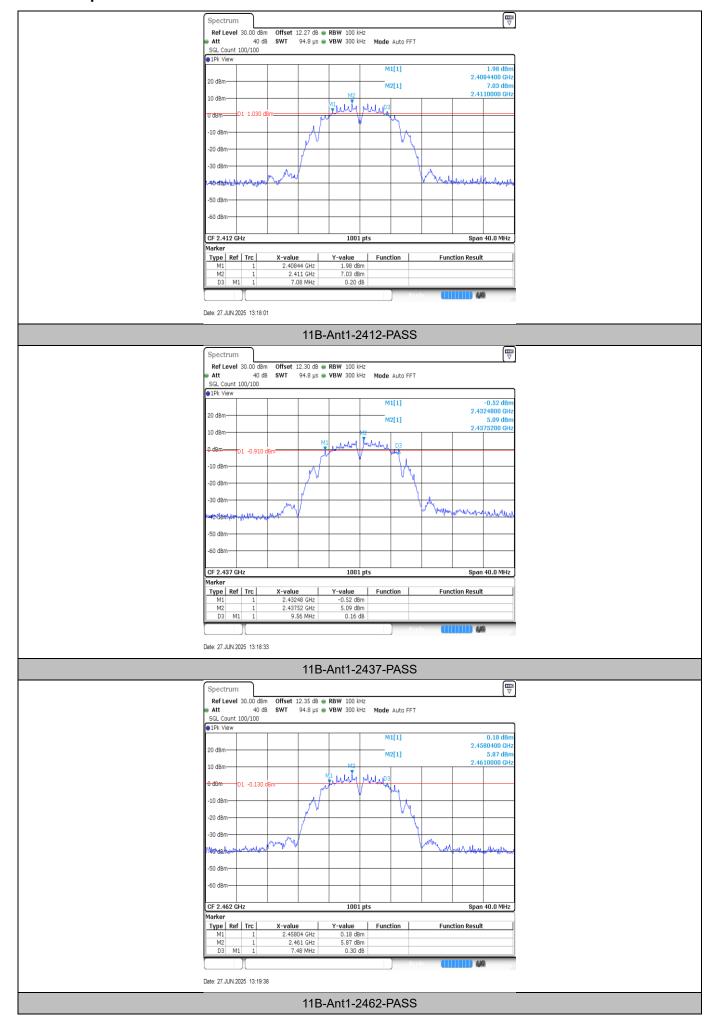


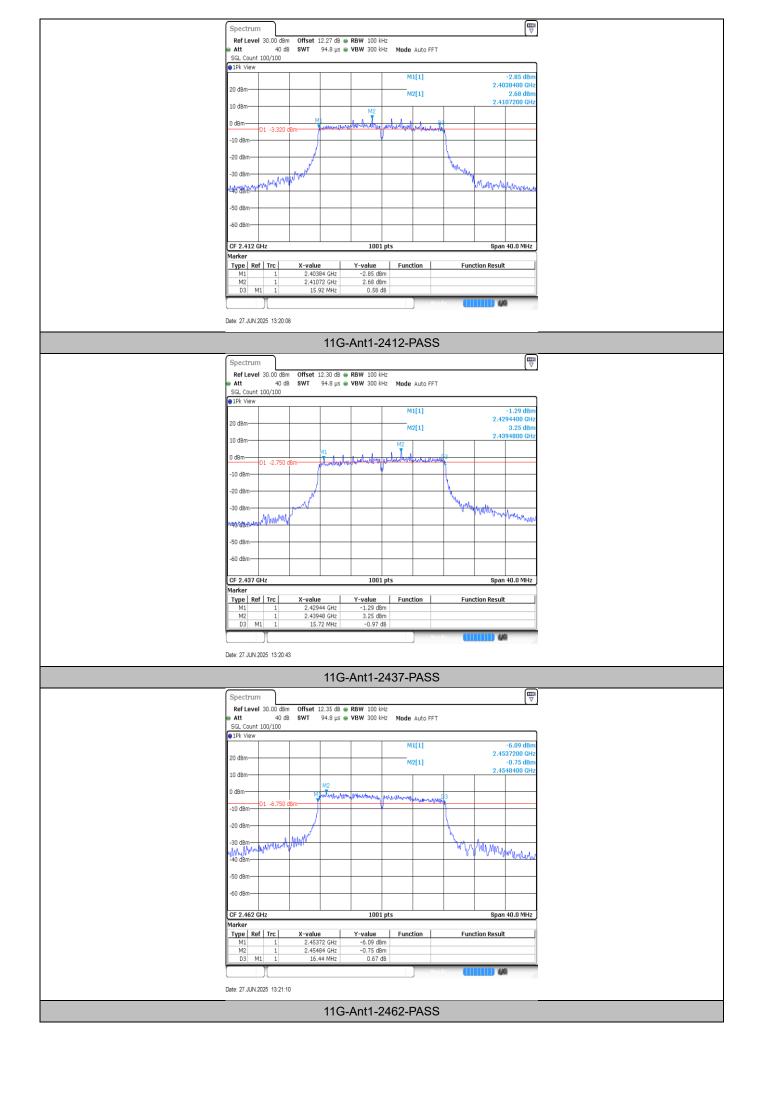


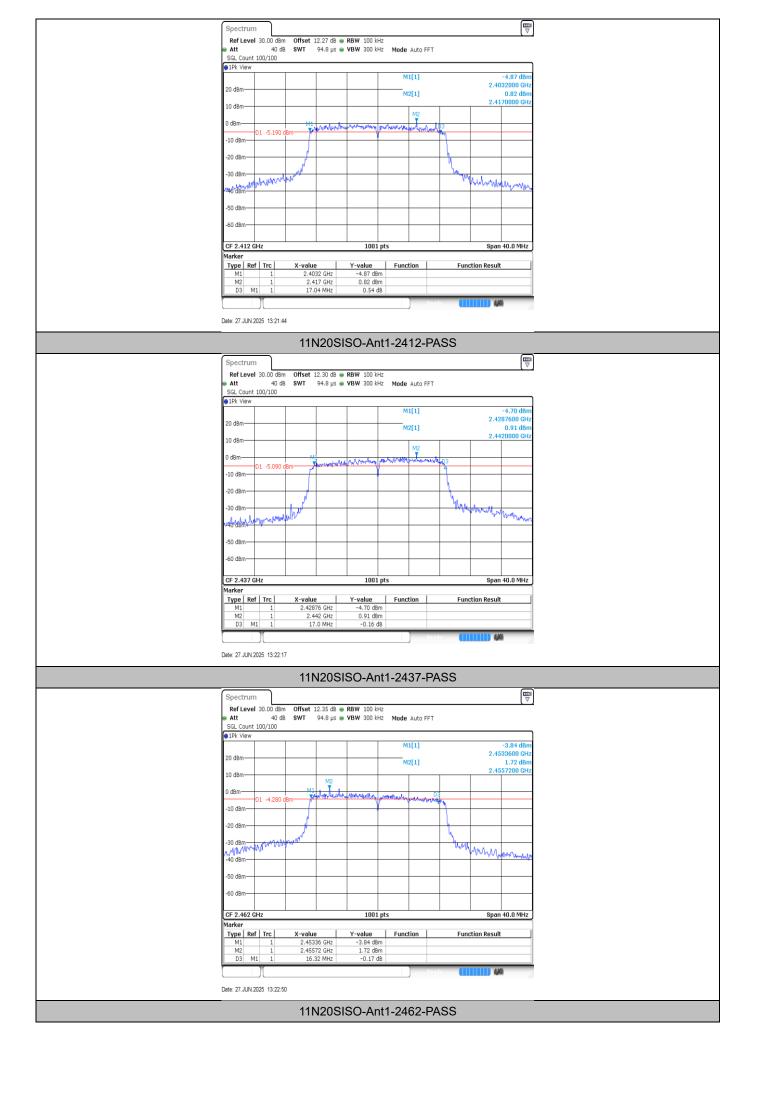


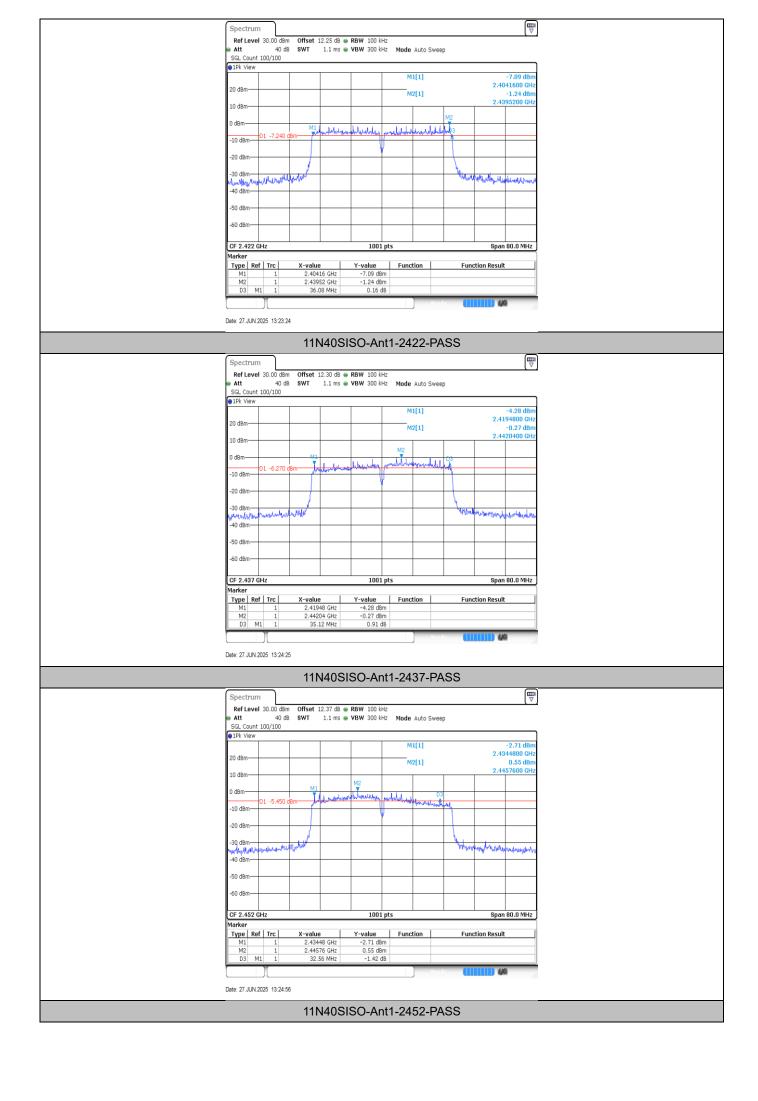
# Appendix C: 6dB Bandwidth

TestMode	Frequency[MHz]	6dB Bandwidth [MHz]	Limit[MHz]	Verdict
11B	2412	7.08	0.5	PASS
11B	2437	9.56	0.5	PASS
11B	2462	7.48	0.5	PASS
11G	2412	15.92	0.5	PASS
11G	2437	15.72	0.5	PASS
11G	2462	16.44	0.5	PASS
11N20SISO	2412	17.04	0.5	PASS
11N20SISO	2437	17.00	0.5	PASS
11N20SISO	2462	16.32	0.5	PASS
11N40SISO	2422	36.08	0.5	PASS
11N40SISO	2437	35.12	0.5	PASS
11N40SISO	2452	32.56	0.5	PASS



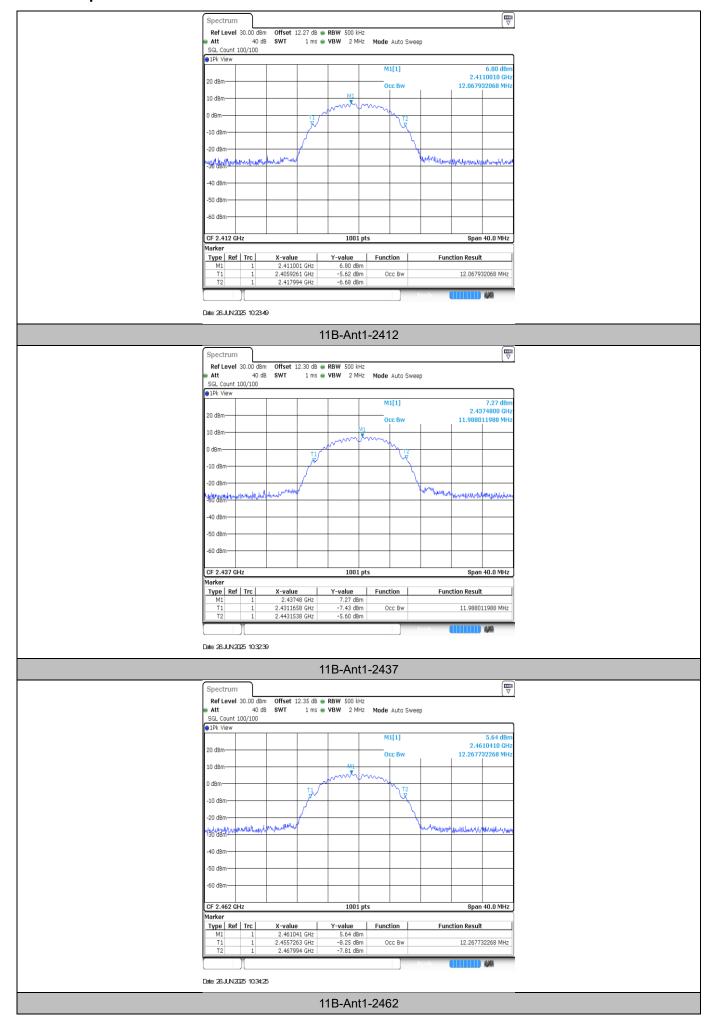


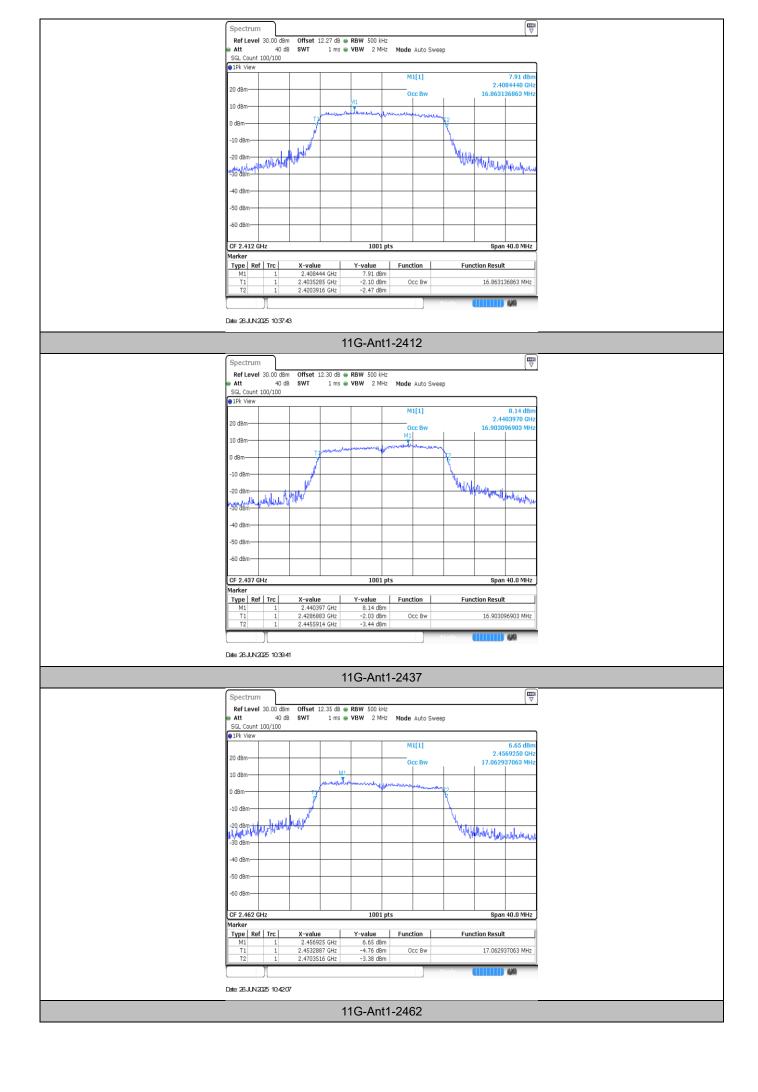


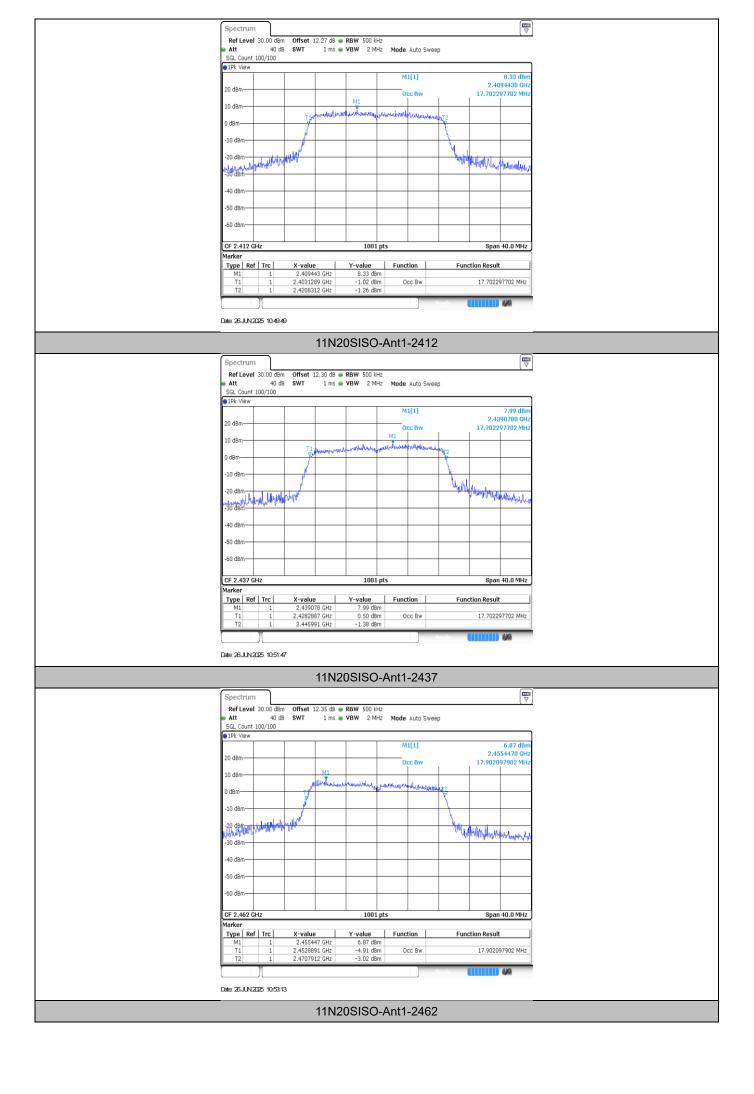


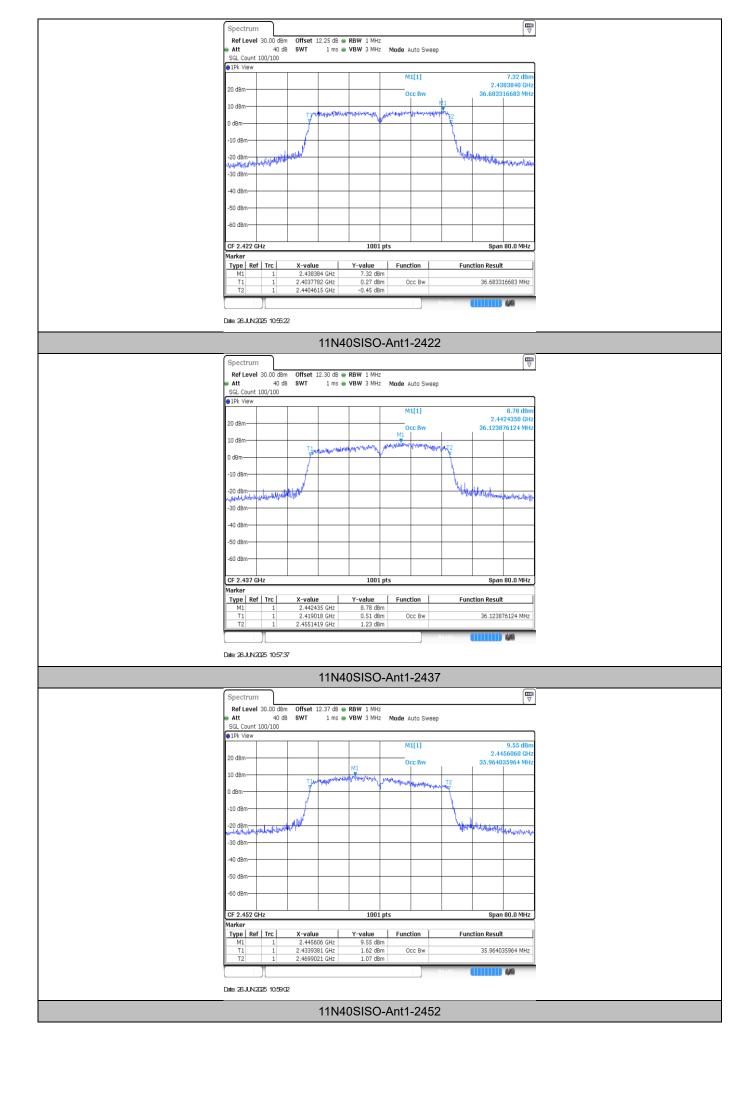
# Appendix D: 99% Occupied Bandwidth

TestMode	Channel Frequency[MHz]	99% Occupied Bandwidth [MHz]	Limit[MHz]	Verdict
11B	2412	12.068	68	
11B	2437	11.988		
11B	2462	12.268		
11G	2412	16.863		
11G	2437	16.903		
11G	2462	17.063		
11N20SISO	2412	17.702		
11N20SISO	2437	17.702		
11N20SISO	2462	17.902		
11N40SISO	2422	36.683		
11N40SISO	2437	36.124		
11N40SISO	2452	35.964		









# **Appendix E: Duty Cycle**

TestMode	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	2412	8.42	8.48	99.29	0.03
11B	2437	8.41	8.49	99.06	0.04
11B	2462	8.43	8.50	99.18	0.04
11G	2412	1.39	1.46	95.21	0.21
11G	2437	1.39	1.47	94.56	0.24
11G	2462	1.36	1.43	95.10	0.22
11N20SISO	2412	1.16	1.23	94.31	0.25
11N20SISO	2437	1.15	1.22	94.26	0.26
11N20SISO	2462	1.16	1.25	92.80	0.32
11N40SISO	2422	0.59	0.65	90.77	0.42
11N40SISO	2437	0.58	0.65	89.23	0.49
11N40SISO	2452	0.59	0.66	89.39	0.49



