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	ST REPORT	
Report No.       :         Project No.       :         FCC ID.       :         Applicant's name       :         Address       :	SHT2310062301EW 2ASWW-STAR10PRO XINCHUANGXIN INTERNATIO	port Verification:
Product Name: Trade Mark: Model No: Listed Model(s)	Tablet CORN Star10 Pro	
Standard: Date of receipt of test sample: Date of testing Date of issue Result	FCC CFR Title 47 Part 15 Subp Nov. 01, 2023 Nov. 02, 2023- Dec. 20, 2023 Dec. 21, 2023 PASS	oart C § 15.247
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Shenzhen Huatongwei International Inspection Co., Ltd.

# 1. TEST STANDARDS AND REPORT VERSION

#### 1.1. Test Standards

The tests were performed according to following standards:

- <u>FCC CFR Title 47 Part 15 Subpart C § 15.247</u>: 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
- <u>KDB 558074 D01 15.247 Meas Guidance v05r02</u>: 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	2023-12-21	Original

Date of issue:

# 2. TEST DESCRIPTION

Report clause	Test Items	Standard Requirement	Result	Test Engineer
5.1	Antenna Requirement	15.203/15.247(c)	PASS	Xiaodong Zhao
5.2	AC Conducted Emission	15.207	PASS	Junman Wang
5.3	Peak Output Power	15.247(b)(3)	PASS	Xiangyu Wei
5.4	Power Spectral Density	15.247(e)	PASS	Xiangyu Wei
5.5	6dB Bandwidth	15.247(a)(2)	PASS	Xiangyu Wei
5.6	99% Occupied Bandwidth	-	PASS <sup>*1</sup>	Xiangyu Wei
5.7	Duty cycle	-	PASS <sup>*1</sup>	Xiangyu Wei
5.8	Conducted Band Edge and Spurious Emission	15.247(d)/15.205	PASS	Xiangyu Wei
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.

\*1: No requirement on standard, only report these test data.

# 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.:	Star10 Pro	
Listed Model(s):	-	
Power supply:	DC 3.8V from Battery	
Hardware version:	T30-T616-V2.0-230725-LU	
Software version:	CORN_Star10_Pro_V01	
Accessory unit information:		
Battery information:	JJY 3092142/3.8V/24 6000mAh /22.8Wh /DI	
Adapter information:	Model: ENGY Pro 24 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	
	802.11b:	DBPSK, DQPSK, BPSK, QPSK	
Modulation:	802.11g/n:	BPSK, QPSK, 16QAM, 6	64QAM
Operation frequency:	802.11b/g/n(HT20):	802.11b/g/n(HT20): 2412MHz~2462MHz	
Channel number:	802.11b/g/n(HT20): 11		
Channel separation:	5MHz		
Antenna technology:	SISO		
Antenna type:	PIFA		
Antenna gain:	2.6dBi		

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:	Tel: 86-755-26715499 E-mail: <u>cs@szhtw.com.cn</u> <u>http://www.szhtw.com.cn</u>	
	Type Accreditation Number	
Qualifications:	FCC Registration Number	762235
	FCC Designation Number CN1181	

#### 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

#### 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	YPHT23100623001	
EMI test items	YPHT23100623001	

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			
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		

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
0		5.10dB for above 1GHz
	Padiated Spurious Emission	4.54dB for 30MHz-1GHz
9	Radiated Spurious Emission	5.10dB for above 1GHz

#### 4.6. Statement of the measurement uncertainty

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

# 4.7. Equipment Used during the Test

•	Conducted E	mission					
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	EMI Test Receiver	R&S	HTWE0111	ESCI	101247	2023/8/22	2024/8/21
•	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2023/8/18	2024/8/17
•	Protection Network	SCHWARZBECK	HTWE0567	VTSD9561FN	00899	2023/8/18	2024/8/17
•	ISN	FCC	HTWE0148	FCC-TLISN-T2- 02	20371	2023/8/18	2024/8/17
•	ISN	FCC	HTWE0150	FCC-TLISN-T8- 02	20375	2023/8/18	2024/8/17
•	Test Software	R&S	N/A	EMC32	N/A	N/A	N/A

•	RF Conducted 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	2023/08/22	2024/08/21					
•	Signal & Spectrum Analyzer	R&S	HTWE0262	FSW26	103440	2023/08/22	2024/08/21					
•	Vector signal generator	R&S	HTWE0244	SMBV100A	260790	2023/05/23	2024/05/22					
•	Test software	Tonscend	N/A	JS1120	N/A	N/A	N/A					

•	Radiated emission- 9kHz~30MHz											
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	2023/08/22	2024/08/21					
•	Loop Antenna	R&S	HTWE0170	HFH2-Z2	100020	2021/4/6	2024/4/5					
•	Test Software	R&S	N/A	EMC32	N/A	N/A	N/A					

•	Radiated emi	ssion- 30MHz~1	GHz				
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	2023/08/22	2024/08/21
•	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0119	VULB9163	546	2023/2/22	2026/2/21
•	Pre-Amplifer	SCHWARZBECK	HTWE0295	BBV 9742	/	2023/5/25	2024/5/24
•	Test Software	R&S	N/A	EMC32	N/A	N/A	N/A

#### 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

#### ☑ Passed □ Not Applicable

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



#### 5.2. AC Conducted Emission

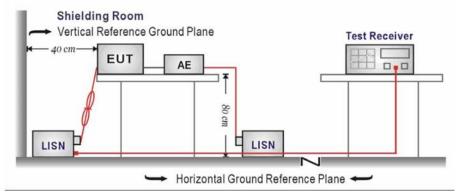
#### <u>LIMIT</u>

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

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

\* Decreases with the logarithm of the frequency.

#### **TEST CONFIGURATION**



#### TEST PROCEDURE

- 1. The EUT was setup according to ANSI C63.10 requirements.
- 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.

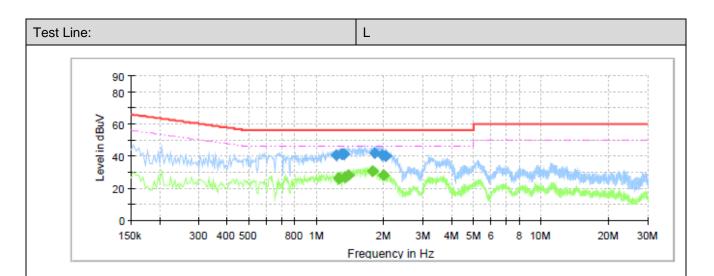
#### TEST MODE

Refer to the clause 4.2

#### TEST RESULT

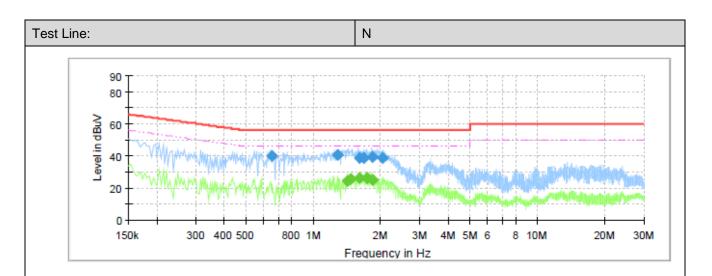
☑ Passed □ Not Applicable

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# Final Result

Frequency	QuasiPeak	CAverage		Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
1.2275	40.39		56.00	15.61	L1	11.0
1.2635		26.08	46.00	19.92	L1	11.0
1.2715		26.47	46.00	19.53	L1	11.0
1.3075	41.05		56.00	14.95	L1	11.0
1.3315	41.33		56.00	14.67	L1	11.0
1.3395		27.04	46.00	18.96	L1	11.0
1.3875		28.33	46.00	17.67	L1	11.0
1.7875		30.36	46.00	15.64	L1	11.0
1.8195	41.77		56.00	14.23	L1	11.0
1.9675	40.91		56.00	15.09	L1	11.0
1.9915		27.96	46.00	18.04	L1	11.0
2.0395	39.74		56.00	16.26	L1	11.0

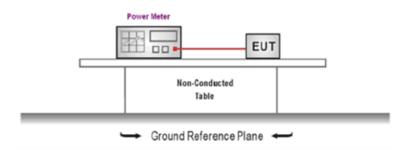


# Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.6555	39.79		56.00	16.21	Ν	10.8
1.2875	40.55		56.00	15.45	N	10.8
1.4195		24.54	46.00	21.46	Ν	10.8
1.4635		25.50	46.00	20.50	N	10.8
1.6035	38.46		56.00	17.54	N	10.8
1.6155		26.36	46.00	19.64	N	10.8
1.6795	38.60		56.00	17.40	N	10.8
1.7365		26.00	46.00	20.00	Ν	10.8
1.7395		26.01	46.00	19.99	N	10.8
1.8435	39.44		56.00	16.56	N	10.8
1.8475		25.11	46.00	20.89	Ν	10.8
2.0315	38.74		56.00	17.26	N	10.8

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

☑ Passed □ Not Applicable

TEST DATA

Refer to the appendix report

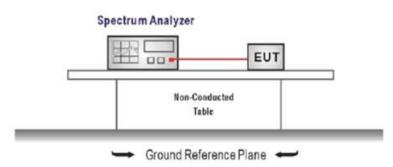
#### 5.4. Power Spectral Density

#### 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,
- 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
   Place the radio in continuous transmit mode, allow the
- 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.
- 5. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

#### TEST MODE

Refer to the clause 4.2

#### TEST RESULT

☑ Passed □ Not Applicable

TEST DATA Refer to the appendix report

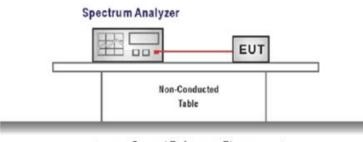
#### 5.5. 6dB bandwidth

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

#### 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



➡ Ground Reference Plane 

#### 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  $\ge$  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

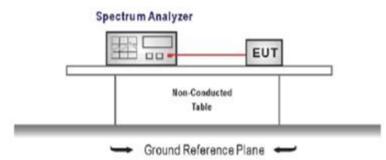
Date of issue:

#### 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 and the 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

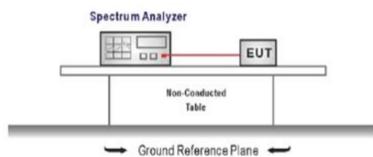
☑ Passed □ Not Applicable

TEST DATA Refer to the appendix report

2023-12-21

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
- 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

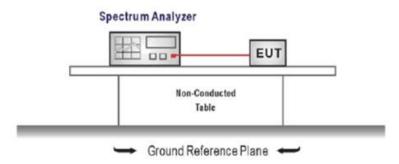
Refer to the appendix report

# 5.8. Conducted Band edge and Spurious Emission

<u>LIMIT</u>

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.
- 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  $\ge$  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

#### TEST RESULT

☑ Passed □ Not Applicable

### <u>TEST DATA</u>

Refer to the appendix report

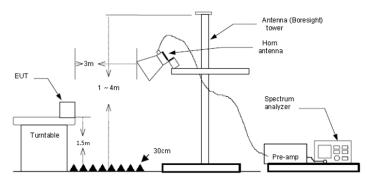
#### 5.9. Radiated Band edge Emission

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

#### 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. This is 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

☑ Passed □ Not Applicable

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	2.11b	Test	channel	CH	01	Polari	ty	Hori	zontal
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	43.10	27.86	4.01	41.80	20.00	53.17	74.00	-20.83	Peak
2	2390.01	42.95	27.54	4.31	41.80	20.00	53.00	74.00	-21.00	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	32.09	27.86	4.01	41.80	20.00	42.16	54.00	-11.84	Average
2	2390.01	32.20	27.54	4.31	41.80	20.00	42.25	54.00	-11.75	Average
Туре	802	2.11b	Test	channel	CH	01	Polari	ty	Vert	ical
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	44.39	27.86	4.01	41.80	20.00	54.46	74.00	-19.54	Peak
2	2390.01	42.72	27.54	4.31	41.80	20.00	52.77	74.00	-21.23	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	31.95	27.86	4.01	41.80	20.00	42.02	54.00	-11.98	Average
2	2390.01	32.35	27.54	4.31	41.80	20.00	42.40	54.00	-11.60	Average

Туре	8	)2.11b	Те	est channel	СН	CH11 Polarit			ty Horizontal	
Mark	Frequency MHz	Reading dBuV/m	Antenn dB	a Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	42.61	27.33	4.18	41.80	20.00	52.32	74.00	-21.68	Peak
2	2500.00	42.13	27.30	4.19	41.80	20.00	51.82	74.00	-22.18	Peak
Mark	Frequency MHz	Reading dBuV/m	Antenr dB	na Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	31.90	27.33	4.18	41.80	20.00	41.61	54.00	-12.39	Average
2	2500.00	31.76	27.30	4.19	41.80	20.00	41.45	54.00	-12.55	Average
Туре	8	)2.11b	Те	est channel	CH	11	Polari	ity	Ver	tical
Mark	Frequency MHz	Reading dBuV/m	Antenn dB	a Cable dB	Preamp dB	Aux	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	43.24	27.33	4.18	41.80	20.00	52.95	74.00	-21.05	Peak
2	2500.00	43.44	27.30	4.19	41.80	20.00	53.13	74.00	-20.87	Peak
Mark	Frequency	Reading	Antenn	a Cable	Preamp	Aux	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	2483.49	32.00	27.33	4.18	41.80	20.00	41.71	54.00	-12.29	Average
2	2500.00	31.85	27.30	4.19	41.80	20.00	41.54	54.00	-12.46	Average

Туре		802.11g	٦	Fest channe	el C	H01	P	olarity		Horizontal
Mark	Frequency MHz	Reading dBuV/m	Antenn dB	a Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limi	
1	2310.00	43.24	27.86	4.01	41.80	20.00	53.31	74.00	-20.6	9 Peak
2	2390.01	43.21	27.54	4.31	41.80	20.00	53.26	74.00	-20.7	4 Peak
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	a Cable dB	Preamp dB	Aux	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	33.50	27.86	4.01	41.80	20.00	43.57	54.00	-10.43	Average
2	2390.01	33.99	27.54	4.31	41.80	20.00	44.04	54.00	-9.96	Average
Туре		802.11g	٦	Fest channe	el C	H01	P	olarity		Vertical
Mark	Frequency MHz	Reading dBuV/m	Antenn dB	a Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Ove lim	
1	2310.00	41.95	27.86	4.01	41.80	20.00	52.02	74.00	-21.	98 Peak
2	2390.01	43.68	27.54	4.31	41.80	20.00	53.73	74.00	-20.	27 Peak
Mark	Frequency MHz	Reading dBuV/m	Antenn dB	a Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limi	
1	2310.00	33.18	27.86	4.01	41.80	20.00	43.25	54.00	-10.7	5 Average
2	2390.01	33.99	27.54	4.31	41.80	20.00	44.84	54.00	-9.9	

Туре		802.11g		Test channe	el C	H11	F	olarity		Horizontal
Mark	Frequency MHz	Reading dBuV/m	Anten dB	na Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limi	1
1	2483.49	43.79	27.33	4.18	41.80	20.00	53.50	74.00	-20.5	0 Peak
2	2500.00	43.29	27.30	4.19	41.80	20.00	52.98	74.00	-21.0	2 Peak
Mark	Frequency	-	Antenr		Preamp	Aux	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	-
1	2483.49	33.16	27.33	4.18	41.80	20.00	42.87		-11.13	Average
2	2500.00	33.30	27.30	4.19	41.80	20.00	42.99	54.00	-11.01	Average
Туре		802.11g		Test channe	el C	H11	F	olarity		Vertical
Mark	Frequency	Reading	Antenn	a Cable	Preamp	Aux	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	2483.49	46.57	27.33	4.18	41.80	20.00	56.28	74.00	-17.72	Peak
2	2483.66	49.22	27.33	4.18	41.80	20.00	58.93	74.00	-15.07	Peak
з	2500.00	43.28	27.30	4.19	41.80	20.00	52.97	74.00	-21.03	Peak
Mark	Frequency	Reading	Anten	na Cable	Preamp	Aux	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	t
1	2483.49	33.82	27.33	4.18	41.80	20.00	43.5	3 54.00	-10.47	7 Average
2	2500.00	33.94	27.30	4.19	41.80	20.00	43.6	3 54.00	-10.37	7 Average

Туре		802.	11n(HT20)		Test chai	nnel	CH01	Po	larity	Ho	orizontal
Mark	Freque	ency	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.0	90	43.69	27.86	4.01	41.80	20.00	53.76	74.00	-20.24	Peak
2	2390.0	91	45.47	27.54	4.31	41.80	20.00	55.52	74.00	-18.48	Peak
Mark	Freque	ency	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.0	90	31.35	27.86	4.01	41.80	20.00	41.42	54.00	-12.58	Average
2	2390.0	91	31.20	27.54	4.31	41.80	20.00	41.25	54.00	-12.75	Average
Туре		802.	11n(HT20)		Test cha	nnel	CH01	Po	larity	Ve	rtical
Mark	Freque	ncy	Reading	Antenna		Preamp		Level	Limit	Over	Remark
	MHZ		dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m		
1	2310.0	0	43.01	27.86	4.01	41.80	20.00	53.08	74.00	-20.92	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2	2390.0	1	44.50	27.54	4.31	41.80	20.00	54.55	74.00	-19.45	Peak
Mark	Freque	ncy	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	Over	Remark
	MHZ		dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	2310.0	0	31.49	27.86	4.01	41.80	20.00	41.56	54.00	-12.44	Average
2	2390.0	1	31.46	27.54	4.31	41.80	20.00	41.51	54.00	-12.49	Average

Туре		802.11n(HT20)			Test channel		CH11 Pol		olarity H		
Mark	Frequency	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	np Aux Level dB dBuV/m		Limit dBuV/m	Over limit	Remark	
1	2483.49	44.10	27.33	4.18	41.80	20.00	53.81	74.00	-20.19	Peak	
2	2483.74	46.77	27.33	4.18	41.80	20.00	56.48	74.00	-17.52		
3	2500.00	42.97	27.30	4.19	41.80	20.00	52.66	74.00	-21.34		
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	31.18	27.33	4.18	41.80	20.00	40.89	54.00	-13.11	Average	
2	2500.00	31.11	27.30	4.19	41.80	20.00	40.80	54.00	-13.20	Average	
Туре	80	2.11n(HT20)	)	Test cha	nnel	CH11	Pc	larity	V	ertical	
Mark	Frequency		Antenna		Preamp	Aux	Level	Limit	Over	Remark	
	MHZ	dBuV/m	dB	dB	dB	dB	dBuV/m	dBuV/m	limit		
1	2483.49	47.53	27.33	4.18	41.80	20.00	57.24	74.00	-16.76		
2	2483.92	49.96	27.33	4.18	41.80	20.00	59.67	74.00	-14.33		
3	2500.00	42.78	27.30	4.19	41.80	20.00	52.47	74.00	-21.53	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	31.51	27.33	4.18	41.80	20.00	41.22	54.00	-12.78	Average	
2	2500.00	31.26	27.30	4.19	41.80	20.00	40.95	54.00	-13.05	Average	

#### 5.10. Radiated Spurious Emission

<u>LIMIT</u>

#### 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		

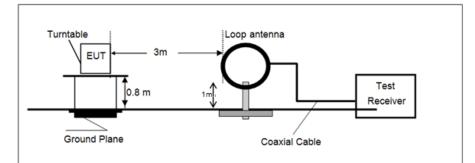
Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40\*log(300/3)= Limit dBuV/m @300m +80,

Limit dBuV/m @3m = Limit dBuV/m @30m +40\*log(30/3)= Limit dBuV/m @30m + 40.

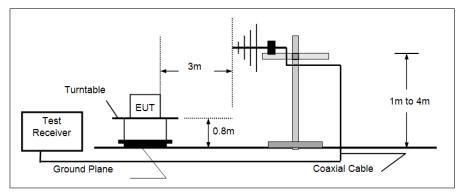
Frequency	Limit (dBuV/m @3m)	Value		
30MHz~88MHz	40.00	Quasi-peak		
88MHz~216MHz	43.50	Quasi-peak		
216MHz~960MHz	46.00	Quasi-peak		
960MHz~1GHz	54.00	Quasi-peak		
Above 1GHz	54.00	Average		
Above TGH2	74.00	Peak		

#### **TEST CONFIGURATION**

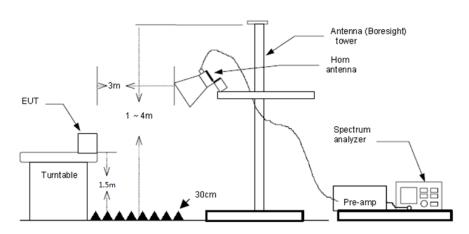
➢ 9 kHz ~ 30 MHz



> 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

☑ Passed □ Not Applicable

Note:

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

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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Date of issue:

2023-12-21

	For	1	GHz	~	25	GHz
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Туре	80	2.11b	Test cha	nnel	CH01		Polarity		Horizontal
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	3393.48	43.94	28.39	5.06	41.60	35.79	74.00	-38.21	Peak
2	4821.76	54.17	31.26	6.00	41.33	50.10	74.00	-23.90	Peak
3	7981.72	41.90	36.96	7.99	40.85	46.00	74.00	-28.00	Peak
4	10427.37	40.46	39.93	9.72	40.69	49.42	74.00	-24.58	Peak
Туре	80	2.11b	Test cha	nnel	CH01		Polarity		Vertical
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	2957.65	44.42	28.50	4.67	41.68	35.91	74.00	-38.09	Peak
2	4821.76	53.40	31.26	6.00	41.33	49.33	74.00	-24.67	Peak
3	7489.60	41.33	36.20	7.63	41.08	44.08	74.00	-29.92	
4	10400.86	39.95	39.90	9.71	40.60	48.96	74.00	-25.04	
Туре	80	2.11b	Test cha	nnel	CH06		Polarity		Horizontal
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dBuV/m		limit	
1	3579.82	41.71	29.26	5.10	41.60	34.47	74.00	-39.5	
2		53.64	31.20	6.30	41.00	49.87			
	4871.10						74.00	-24.1	
3	7432.62	40.61	36.20	7.84	41.03	43.62	74.00	-30.3	
4	10400.86	38.88	39.90	9.71	40.60	47.89	74.00	-26.1	1. A. M.A.
Туре	80	2.11b	Test cha	nnel	CH06		Polarity		Vertical
Mark	Frequenc	y Reading	Antenna	Cable	Preamp			Ove	r Remark
	MHZ	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m	limi	t
1	3384.85	43.48	28.37	5.02	41.60	35.27	74.00	-38.7	3 Peak
2	4871.10	54.12	31.20	6.30	41.27	50.35	74.00	-23.6	5 Peak
3	7227.39	39.75	36.00	7.58	40.95	42.38	74.00	-31.6	2 Peak
4	10750.81	38.51	40.15	9.88	41.74	46.80	74.00	-27.2	
Туре	80	2.11b	Test cha	nnel	CH11		Polarity		Horizontal
Mark	Frequenc	y Reading	Antenna	Cable	Preamp			Ove	r Remark
	MHZ	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m	limit	t
1	2972.75	44.51	28.50	4.72	41.67	36.06	74.00	-37.9	4 Peak
2	4933.50	53.70	31.20	6.05	41.19	49.76	74.00	-24.2	4 Peak
3	8042.90	41.08	37.00	8.19	40.72	45.55	74.00	-28.4	
4	10860.83	39.80	40.42	9.93	42.10	48.05	74.00	-25.9	
Туре	80	2.11b	Test cha	nnel	CH11		Polarity		Vertical
Mark	Frequenc	y Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark
	MHZ	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m	limit	
1	3200.50	43.69	28.90	4.84	41.60	35.83	74.00	-38.17	
2	4933.50	53.98	31.20	6.05	41.19	50.04	74.00	-23.96	
3	8063.40	40.41	37.00	8.19	40.68	44.92	74.00	-29.08	
4	10400.86	39.73	39.90	9.71	40.60	48.74	74.00	-25.26	Peak

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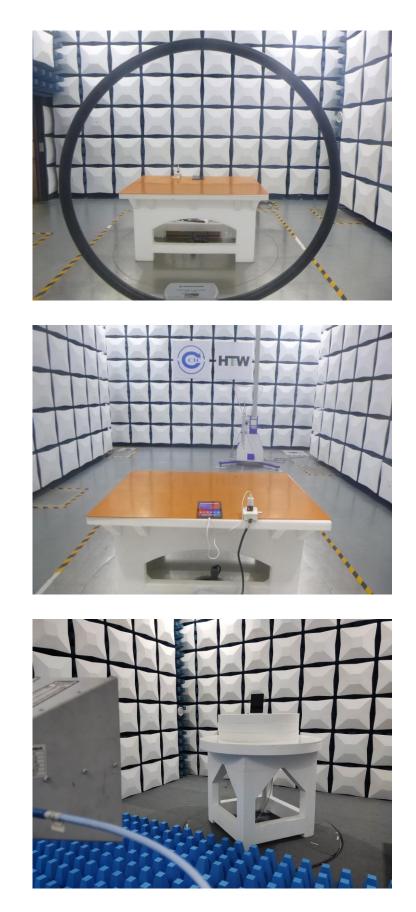
Туре		802.11	3	Test chann	el	CH01 Pola		Pola	olarity		Horizontal	
Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Preamp	Lev	0.000	Limit dBuV/m		ver	Remark
1		1.47	43.63	29.20	5.14	41.60	36.37	2	74.00		.63	Peak
2		1.76	47.40	31.26	6.00	41.33	43.33		74.00		.67	Peak
3		4.56	40.35	36.98	8.11	40.59	44.85		74.00		.15	Peak
4		0.86	39.51	39.90	9.71	40.60	48.52		74.00		.48	Peak
Туре		802.11	3	Test chann	el	CH01		Pola	rity		Verti	cal
Mark		equency	Reading dBuV/m	Antenna dB	Cable dB	Preamp	Lev dBuV		Limit dBuV/m		wer	Remark
1		58.08	42.74	28.90	4.71	41.60	34.75	Y m	74.00		.25	Peak
2		21.76	45.78	31.26	6.00		41.71		74.00		.29	Peak
3		12.90	39.86	37.00	8.19		44.33		74.00		.67	Peak
4		0.86	39.60	39.90	9.71		48.61		74.00		.39	Peak
Туре		802.11	3	Test channe	el	CH06		Pola	rity		Horiz	ontal
Mark	Fre	quency	Reading	Antenna	Cable	Preamp	Lev	vel	Limit		Over	Remark
		HZ	dBuV/m	dB	dB	dB	dBu	v/m	dBuV/m	1	imit	
1		4.85	43.60	28.37	5.02	41.60	35.39		74.00		8.61	Peak
2		1.10	48.61	31.20	6.30	41.27	44.84		74.00		9.16	Peak
3		4.88	41.02	36.20	7.78	41.00	44.00		74.00		0.00	Peak
4		0.86	37.95	39.90	9.71	40.60	46.96		74.00		7.04	Peak
Туре		802.11	3	Test channe	el	CH06		Pola	rity		Verti	cal
Mark	Fre	equency	Reading	Antenna	Cable	Preamp	Le	vel	Limit		Over	Remark
	1	4HZ	dBuV/m	dB	dB	dB	dBu	V/m	dBuV/m	1	imit	
1	295	57.65	44.09	28.50	4.67	41.68	35.58		74.00	-3	8.42	Peak
2	487	71.10	48.38	31.20	6.30	41.27	44.61		74.00	-2	9.39	Peak
3	884	12.90	40.06	37.00	8.19	40.72	44.53		74.00	-2	9.47	Peak
4	103	74.42	38.05	39.82	9.69	40.65	46.91		74.00	-2	7.09	Peak
Туре		802.11	9	Test chann	el	CH11		Pola	rity		Horiz	ontal
Mark		equency MHz	Reading dBuV/m	Antenna dB	Cab] dB	le Prear dB		Level BuV/m	Limit dBuV/		Ove limi	
1		09.69	41.85	29.24	5.19			1215	74.00		-39.3	
2		33.50	47.73	31.20	6.05		43.7		74.00		-30.2	
3		81.72	40.03	36.96	7.99		44.1		74.00		-29.8	
		99.95	39.94	40.50	10.00				74.00		-25.8	
4	105			0.000 100	1.000	3 1 2 02 02 02	40		1210 50-30	2	10. D	66 0.745 <b>8</b> 8
Гуре	- Antonia	802.11	hand a back of the	Test chann	No. of the	CH11		Pola			Verti	11/10/00/00/00
Mark		quency Hz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Lev dBuV		Limit dBuV/m		)ver	Remark
1	368	7.26	42.05	29.29	5.07	41.60	34.81		74.00		.19	Peak
-		3.50	46.98	31.20	6.05	41.19	43.04		74.00		.96	Peak
	+73											
2 3		3.40	40.95	37.00	8.19	40.68	45.46		74.00	-28	3.54	Peak

Туре	80	02.11n(HT20)	Test cha	nnel	CH01		Polarity		Horizontal
Mark	Frequenc	dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m		Ove limi	
1	3026.20	44.14	28.55	4.66	41.63	35.72	74.00	-38.2	8 Peak
2	4821.76	45.63	31.26	6.00	41.33	41.56	74.00	-32.4	4 Peak
3	7961.43	40.67	36.92	7.98	40.89	44.68	74.00	-29.3	2 Peak
4	10321.74	39.32	39.67	9.67	40.74	47.92	74.00	-26.0	8 Peak
Туре	80	)2.11n(HT20)	Test chai	nnel	CH01		Polarity		Vertical
Mark	Frequenc MHz	y Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m		Ove limi	
1	2995.54	43.00	28.50	4.75	41.65	34.60	74.00	-39.4	Ø Peak
2	4821.76	44.91	31.26	6.00	41.33	40.84	74.00	-33.1	6 Peak
3	7981.72	40.57	36.96	7.99	40.85	44.67	74.00	-29.3	3 Peak
4	10805.68	40.12	40.31	9.91	41.92	48.42	74.00	-25.5	8 Peak
Туре	80	)2.11n(HT20)	Test chai	nnel	CH06		Polarity		Horizontal
Mark	Frequenc	y Reading	Antenna	Cable	Preamp	Level	Limit	Ove	r Remark
	MHZ	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m	limi	t
1	2927.69	44.89	28.50	4.60	41.70	36.29	74.00	-37.7	1 Peak
2	4883.52	48.48	31.20	6.21	41.25	44.64	74.00	-29.3	6 Peak
3	7981.72	41.72	36.96	7.99	40.85	45.82	74.00	-28.1	8 Peak
4	10453.95	39.52	39.95	9.73	40.77	48.43	74.00	-25.5	7 Peak
Туре	80	)2.11n(HT20)	Test chai	nnel	CH06		Polarity		Vertical
Mark	Frequence		Antenna	Cable	Preamp			over	
	MHZ	dBuV/m	dB	dB	dB	dBuV/m		limi	
1	3644.18	43.31	29.21	5.08	41.60	36.00	74.00	-38.0	
2	4871.10	46.25	31.20	6.30	41.27	42.48	74.00	-31.5	
3	7566.25	41.24	36.10	7.90	41.14	44.10	74.00	-29.9	
4	10295.50	40.27	39.59	9.65	40.79	48.72	74.00	-25.2	8 Peak
Туре	80	)2.11n(HT20)	Test chai	nnel	CH11		Polarity		Horizontal
Mark	Frequency MHz	y Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	
1	2920.25	43.51	28.50	4.59	41.70	34.90	74.00	-39.10	
2	4933.50	46.62	31.20	6.05		42.68	74.00	-31.32	
3	7451.57	39.95	36.20	7.83	41.05	42.93	74.00	-31.07	
4	10916.26	39.12	40.50	9.96	42.28	47.30	74.00	-26.70	
Туре	80	)2.11n(HT20)	Test cha	nnel	CH11		Polarity		Vertical
Mark	Frequenc	y Reading dBuV/m	Antenna dB	Cable dB	Preamp	Level dBuV/m	Limit dBuV/m	Ove	
4	3672.11	42.72	29.20	5.12	41.60	35.44	74.00	-38.5	
		44.99	31.20	6.05	41.19	41.05	74.00	-32.9	
1	4922 50								
2 3	4933.50 8125.22	40.64	36.90	8.09	40.55	45.08	74.00	-28.9	

Page:

# 6. TEST SETUP PHOTOS

#### Radiated Emission





AC Conducted Emission



# 7. EXTERNAL AND INTERNAL PHOTOS

Refer to the test report No.: CHTEW23120046

# 8. APPENDIX REPORT

# **APPENDIX REPORT**

Project No.	SHT2310062301EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT23100623001_03	Model No.	Star10 Pro
Start test date	2023-11-03	Finish date	2023-11-07
Temperature	<b>24.5℃</b>	Humidity	48.5%
Test Engineer	Xiangyu Wei	Auditor	Xiaodong Zheo

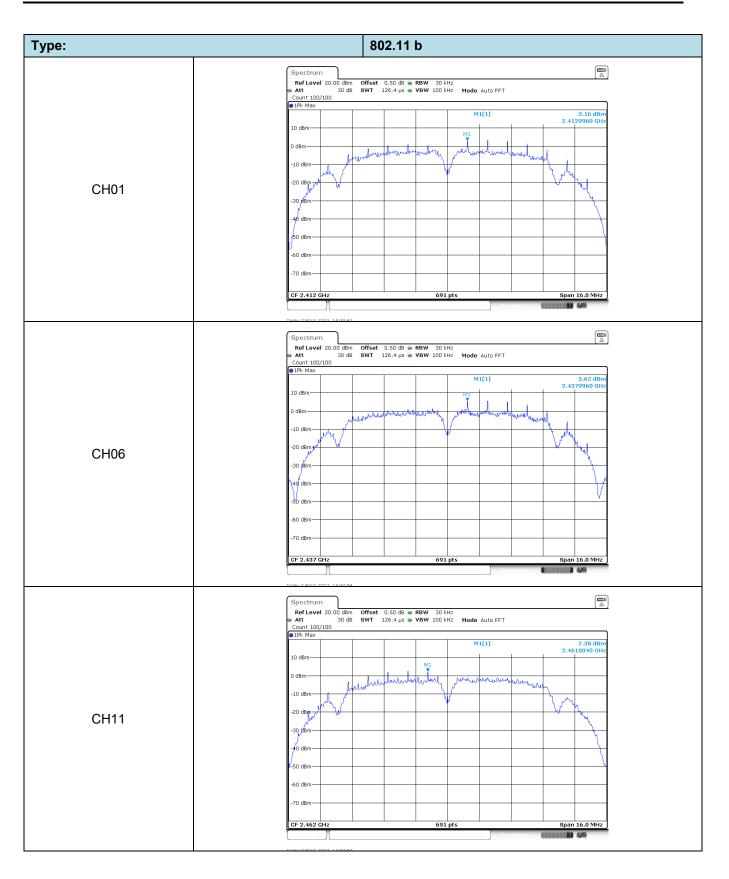
Appendix clause	Test item	Result
А	Conducted Peak Output Power	PASS
В	Power Spectral Density	PASS
С	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

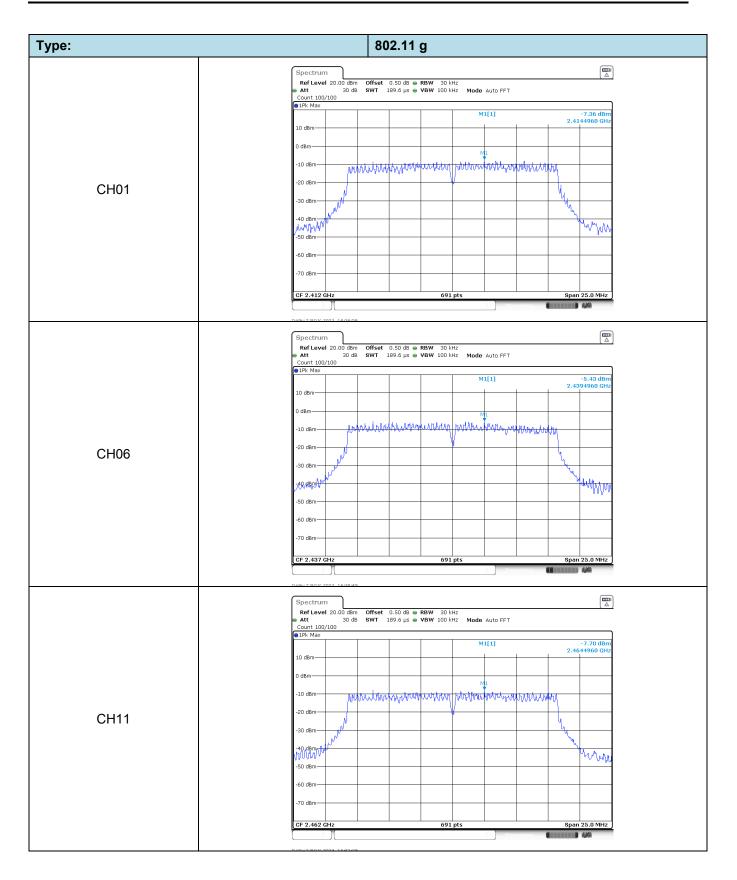
Appendix A:	Conducted Peak Output Power

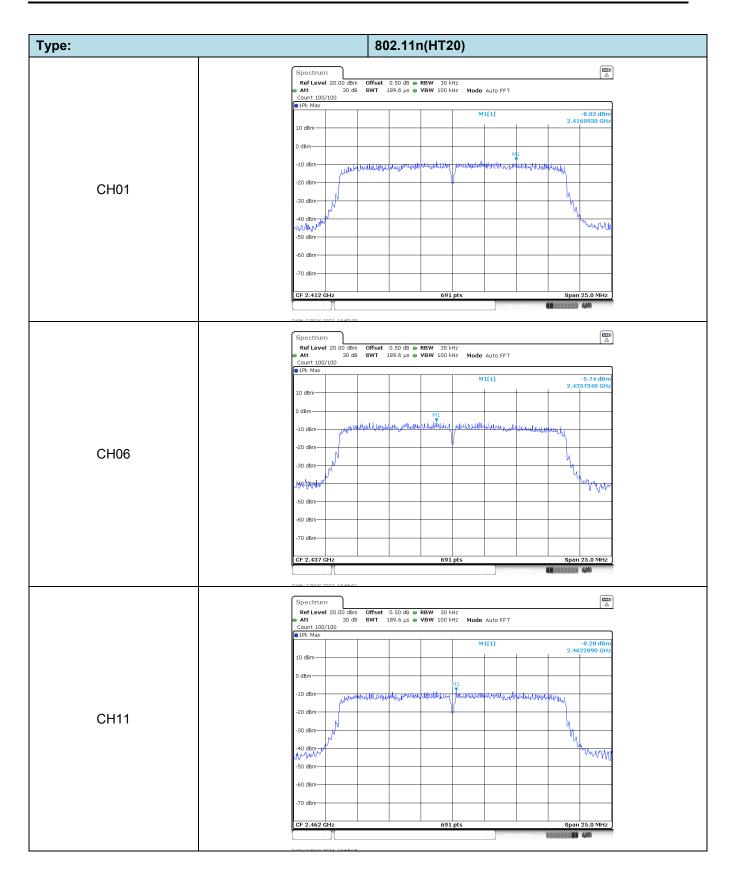
		•			
Туре	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
	01	15.40	13.52		
802.11b	06	17.38	15.45	≤ 30.00	Pass
	11	15.94	13.96		
	01	15.62	13.71		
802.11g	06	17.85	15.73	≤ 30.00	Pass
	11	15.57	13.44		
000.44	01	15.90	13.81		
802.11n	06	17.96	16.01	≤ 30.00	Pass
(HT20)	11	15.71	13.65		

# Appendix B: Power Spectral Density

Туре	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
	01	3.16		
802.11b	06	5.62	≤8.00	Pass
	11	2.38		
	01	-7.36		
802.11g	06	-5.43	≤8.00	Pass
	11	-7.70		
	01	-8.02		
802.11n(HT20)	06	-5.74	≤8.00	Pass
	11	-8.28		







# Appendix C: 6dB bandwidth

Туре	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
	01	9.63		
802.11b	06	10.11	≥0.5	Pass
	11	10.11		
	01	16.11		
802.11g	06	15.81	≥0.5	Pass
	11	16.38		
	01	17.07		
802.11n(HT20)	06	16.74	≥0.5	Pass
	11	16.92		

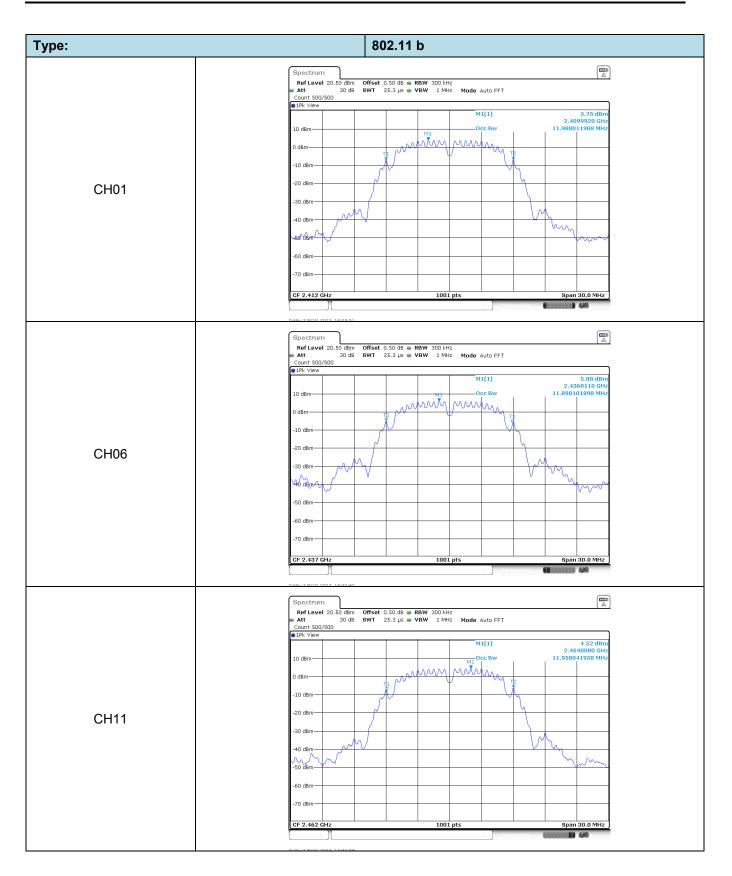
уре:	802.11 b
	Spectrum (D)
	Ref Level 20.50 dBm Offset 0.50 dB 🖷 RBW 100 kHz
	Att 30 dB SWT 75.9 µs ● VBW 300 kHz Mode Auto FFT Count 500/500
	●1Pk View M1[1] -3.52 dBm 2.4069600 GHz
	10 dBm M2 M2[1] 2.84 dBm 2.44
	0 dBm D1 -3.164 dBm M prot while a main and a main and a main a m
	-20 dBm
	-30 dBm
CH01	-40 dBm / / / / / / / / / / / / / / / / / / /
	-50, dBm
	-bu dam
	-70 dBm
	CF 2.412 GHz 1001 pts Span 30.0 MHz Marker
	Type         Ref         Trc         X-value         Y-value         Function         Function Result           M1         1         2.40696         GHz         ~3.52         dBm         Mit           M2         1         2.41251         GHz         2.84         dBm         Mit
	D3 M1 1 9.63 MHz -0.13 dB
	Date: 7 NOV 7021 14 /2934
	Spectrum a
	Ref Level 20.50 dBm Offset 0.50 dB ● RBW 100 kHz ● Att 30 dB SWT 75.9 us ● VBW 300 kHz Mode Auto FFT
	M1[1] -3.05 dBm 2.4319300 GHz
	10 dBm M2[1] 5.85 dBm 0 dBm D1 - 0.150 dBm M1/Julu M1/M1/M M2/Julu D3 2.4360100 GHz
	-10 dBm
	-20 dBm
CH06	
01100	Affalter Andrew Andre
	-50 dBm
	-60 dBm
	CF 2.437 GHz 1001 pts Span 30.0 MHz
	Marker <u>Type Ref Trc X-value Y-value Function Function Result</u>
	M1         1         2.43193 GHz         -3.05 dBm           M2         1         2.43601 GHz         5.85 dBm
	D3 M1 1 10.11 MHz 2.76 dB
	Date 7 NOV 2023 14:42:45
	Spectrum 🛄
	RefLevel 20.50 dBm Offset 0.50 dB ● RBW 100 kHz ● Att 30 dB SWT 75.9 µs ● VBW 300 kHz Mode Auto FFT
	Count S00/S00
	10 dBm M2 M2[1]2.36 dBm 2.4569600 GHz 2.4569600 GHz 4.02 dBm 4.00 dBm 4.02 dBm
	0 dBm 01 -1.981
	-10 dBm
	-20 dBm
CH11	
	-40 dBm
	-60 dBm
	-70 d8m
	CF 2.462 GHz 1001 pts Span 30.0 MHz
	Marker           Type         Ref         Trc         X-value         Function         Function Result
	M1         1         2.45696 GHz         -2.36 dBm           M2         1         2.46101 GHz         4.02 dBm           D3         M1         10.11 MHz         -1.48 dB

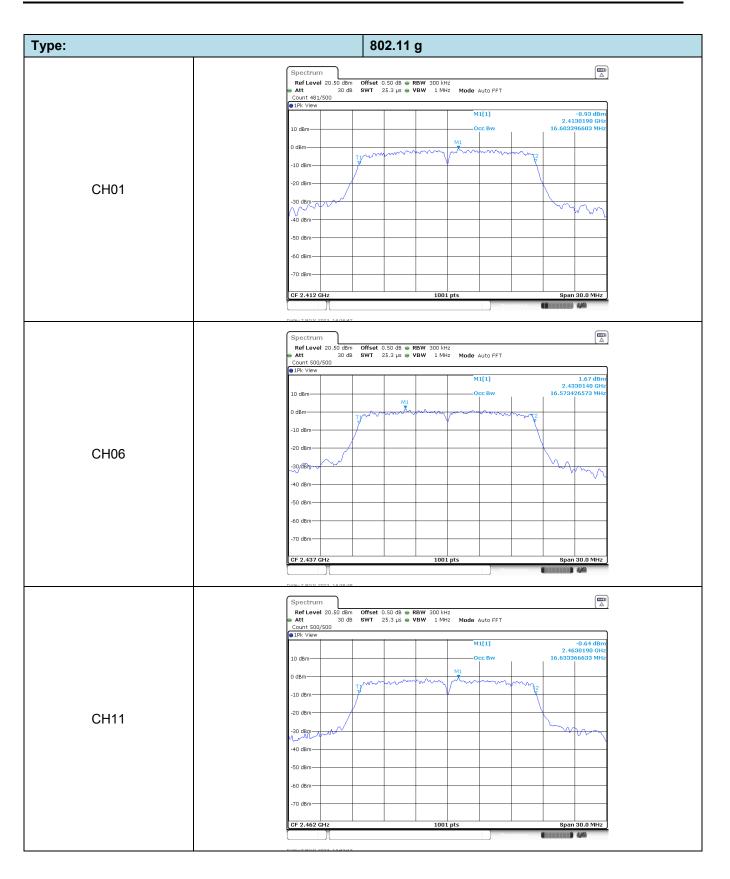
Туре:	802.11 g
51	
	Spectrum         □           Ref Level 20.50 dbm         Offset 0.50 db ● RBW 100 kHz
	■ Att 30 dB SWT 75.9 µs ● VBW 300 kHz Mode Auto FFT Count 500/500
	●1Pk View
	10 dBm 2.4040800 CHz M2[1] -2.87 dBm
	0 dBm M2 2.4144900 GHz
	-10 dBm D1 - 8.872 dBm the adde when here and a share have been a free and the share of the state of the stat
	-20 dBm
CH01	
	Marilla da Aa
	-50 dBm
	-60 dBm
	CF 2.412 GHz 1001 pts Span 30.0 MHz Marker
	Type         Ref         Trc         X-value         Y-value         Function         Function Result           M1         1         2.40408 GHz         -8.94 dBm
	M2         1         2.41449 GHz         -2.87 dBm           D3         M1         1         16.11 MHz         -0.97 dB
	Messuring (Derstall 🖬 🍪
	Spectrum         □           Ref Level 20.50 dbm         Offset 0.50 db ● RBW 100 kHz
	Artt 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500
	IPk View
	10 dBm M1[1] -8.22 dBm 2.4288100 GHz 2.4288100 GHz 7.37 dBm
	n dBm M2 2.4357400 GHz
	-10 dBm D1 - 6.726 dBm wash will we have been been been been been been been be
	-20 dBm
CH06	
CHUO	-30 dam
	-50 dBm
	-60 dBm
	-70 dBm
	CF 2.437 GHz 1001 pts Span 30.0 MHz
	Marker         Type         Ref         Trc         X-value         Y-value         Function         Function Result           M1         1         2.42881 GHz         -8.22 dBm         -8.22 dBm </td
	Image         1         2.72001 Grid         -5220 Grid           M2         1         2.43574 GHz         -0.73 dBm           D3         M1         1         15.61 MHz         -0.18 dB
	Measuring-
	Date: 7 NOV 2023 140340
	Spectrum 🛄
	Ref Level 20.50 dBm Offset 0.50 dB ● RBW 100 kHz ● Att 30 dB SWT 75.9 μs ● VBW 300 kHz Mode Auto FFT
	Count 500/500 PIPK View
	M1[1] -10.69 dBm 2.4538100 GHz
	10 dBm M2[1] -3.12 dBm 0 dBm M2[1] 2.4644900 GHz
	-10 dBm 01 -9.124 dBm alpender der Marchen Jerthin Lender 10 han 100 - 10 - 9.124 dBm alpender der Marchen Jerthin Lender 100 - 100
	-20 dBm
CH11	
	-50 dBm
	-60 d8m
	-70 dBm
	CF 2.462 GHz         1001 pts         Span 30.0 MHz
	Marker 
	M1 1 2.45381 GHz -10.69 dBm M2 1 2.456449 GHz -3.12 dBm
	D3 M1 1 16.38 MHz 0.88 dB
	Messering

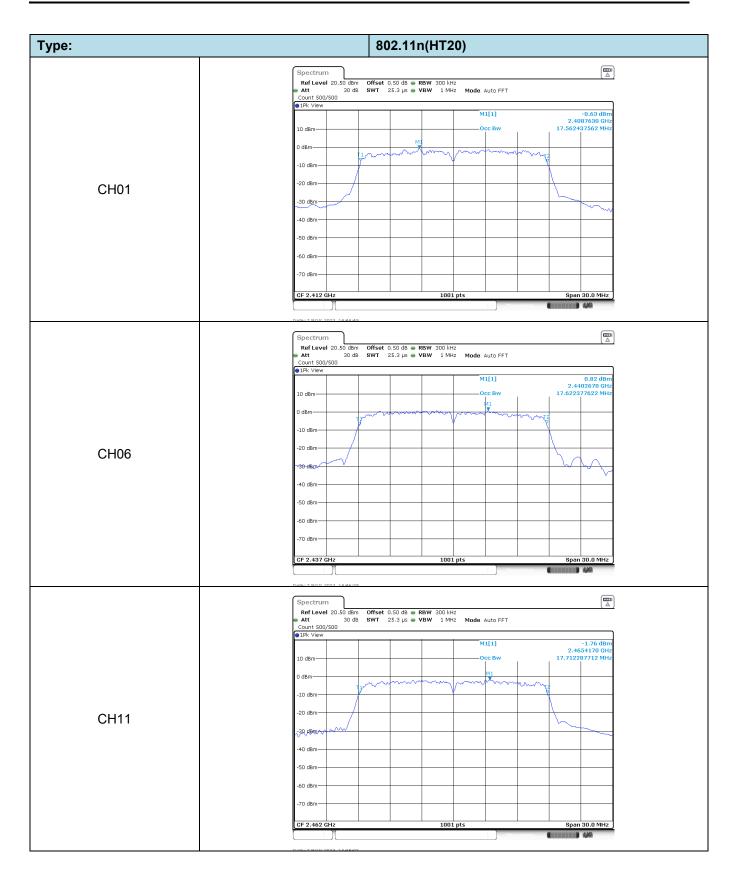
Туре:	802.11n(HT20)
	Spectrum         Image: Constraint of the sector of th
	Count 500/500                • 1Pk View                 • 10 dBm                 0 dBm                 • 10 dBm                 • 10 dBm                 • 10 dBm                 • 10 dBm                 • • • • • • • • • • • • •
CH01	-20 dBm
	-60 dBm -70
	M2         1         2.43449 GHz         -3.70 dBm           D3         M1         1         17.07 MHz         -0.59 dB           Massering         Massering         Massering
	Spectrum         Control           Ref Level 20.50 dBm         Offset 0.50 dB         RBW 100 kHz           Att         30 dB         SWT         75.9 µs         VBW 300 kHz           Count 500/500         Count 500/500         SWT         75.9 µs         VBW 300 kHz
	(1) View      (1) -7.59 dBm     (1) -7.59 d
CH06	-10 dbm - 101 - 7.386 dbm - 10
	-50 dBm C
	CF 2.437 CHZ         1001 pts         Span 30.0 MHZ           Marker         Yvalue         Y-value         Function         Function Result           M1         2.40936 CHz         -7.59 dbm         -7.99 dbm         -7.99 dbm         -7.99 dbm           M2         1         2.40936 CHz         -7.59 dbm         -7.99 dbm         -7.99 dbm         -7.92 dbm           D3         M1         1         2.40949 CHz         -1.39 dbm         -7.52 dbm         -7.52 dbm
	Spectrum         Image: Construct and Co
	Count: 500/500 <ul> <li>ID 48m</li> <li>M1[1]</li> <li>-9.89 dBm</li> <li>2.4534800 GHz</li> <li>-3.36 dBm</li> <li>0 dBm</li> <li>0 dBm</li> <li>0 -9.361 dBm</li> <li>-10 dBm</li> </ul> M1[1]     -9.89 dBm     -9.89 dBm     -9.36 dBm     -9.
CH11	-10 dBm
	-50 dBm
	CF 2.462 GHZ         1001 pts         Span 30.0 MHZ           Marker         Type         Ref         Trc         X-value         Function         Function Result           M1         1         2.45348 GHz         -9.99 dbm         -9.99 dbm         -9.99 dbm         -9.90 dbm         -9.72 dbm         -
	M1         1         2.45348 GHz         -9.89 dBm           M2         1         2.46449 GHz         -3.36 dBm

# Appendix D: 99% Occupied Bandwidth

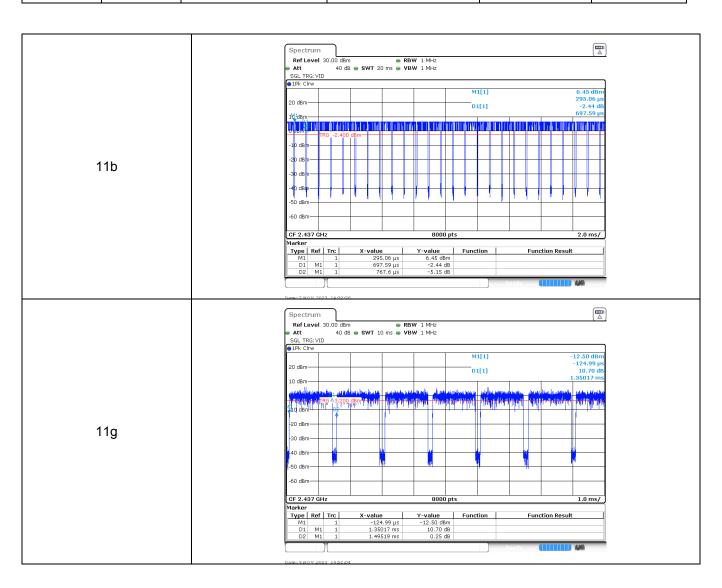
Туре	Channel	99% Bandwidth (MHz)	Limit (MHz)	Result
	01	11.99		
802.11b	06	11.90	-	Pass
	11	11.96		
	01	16.60		
802.11g	06	16.57	-	Pass
	11	16.63		
	01	17.56		
802.11n(HT20)	06	17.62	-	Pass
	11	17.71		







Modulation Type	Test Frequency (MHz)	T <sub>on time</sub> for single burst (ms)	T <sub>period</sub> (ms)	Duty cycle	1/T <sub>on time</sub> (kHz)
11b	2437	0.70	0.77	90.9%	1.42
11g	2437	1.35	1.50	90%	0.74
11n20	2437	1.14	1.28	89.1%	0.87



### Appendix E: Duty Cycle

	Spectrum Ref Level 30.00 dBm Att 40 dB	• RBW 1 MHz • SWT 10 ms • VBW 1 MHz		
	SGL TRG:VID ● 19k Chw 20 dBm 10 dBm		801.38 µ	5
11n20	an hartener trike mensa	L H & H & H & H & H & H & H & H & H & H		-
	-50 dBm- -60 dBm- CF 2.437 GHz Marker Type Ref Trc	8000 pts X-value Function	1.0 ms/	
		801.38 µs -11.91 dBm 1.13889 ms 7.33 dB 1.28391 ms -0.20 dB	Ready (	-

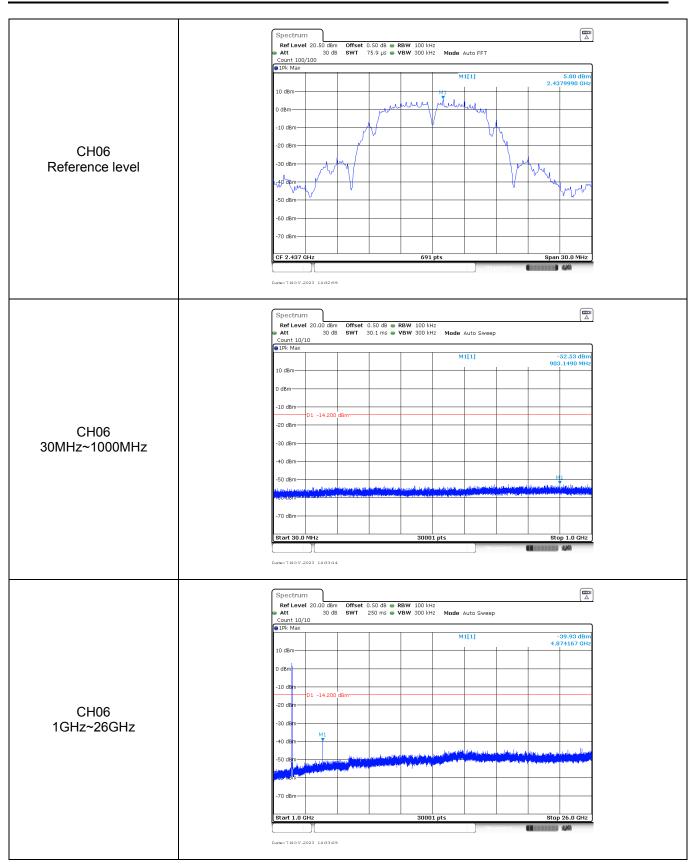
est Item:	Bandedge		Type:				802.1	1 b
		Att 30 dB 5 Count 240/300	9ffset 0.50 dB ● WT 246.5 µs ●	RBW 100 kHz VBW 300 kHz	Mode Auto F	FT		
		IPk Max     I0 dBm     dBm     -10 dBm			M1[1] M2[1]		-	1.98 dBm +13980 GHz -51 <sup>1</sup> 16 dBm 990000 GHz
CH01		-20 dBm D1 -18.020 dBn -30 dBm				 	Mar	
		-50 dBm	and	691 pts	constant of the	n stratter W	₩V	2.422 GHz
		Marker	C-value 2.41398 GHz 2.4 GHz 2.39 GHz 2.31 GHz 2.392296 GHz	Y-value 1.98 dBm -51.16 dBm -55.16 dBm -60.85 dBm -51.02 dBm	Function	Fur	nction Result	
		Spectrum           Ref Level 20.00 dBm           Att         30 dB           Count 300/300	0ffset 0.50 dB ● WT 113.8 µs ●			FT		
		Ref Level 20.00 dBm ( Att 30 dB 5 Count 300/300 PIPk Max	M1		Mode Auto F 	FT	-	3.70 dBm 539830 GHz 556.10 dBm 335000 GHz
CH11		Ref Level         20.00         dBm         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         30.0         40.0	M1		M1[1] M2[1]	FT	-	3.70 dBm 539830 GHz -56.10 dBm
CH11		Ref Level 20.00 dBm         30 dBm           Att         30 dBm           Count 300/300         10 dBm           PIk Max         10 dBm           10 dBm         0 dBm           -10 dBm         0 dBm           -20 dBm         0 -16.300 dBm           -30 dBm         -50 dBm           -60 dBm         -70 dBm           Start 2.452 GHz           Marker		VBW 300 kHz	M1[1] M2[1]	- 113 June Lower	2.46	3.70 dBm 539830 GHz 56.10 dBm 35000 GHz

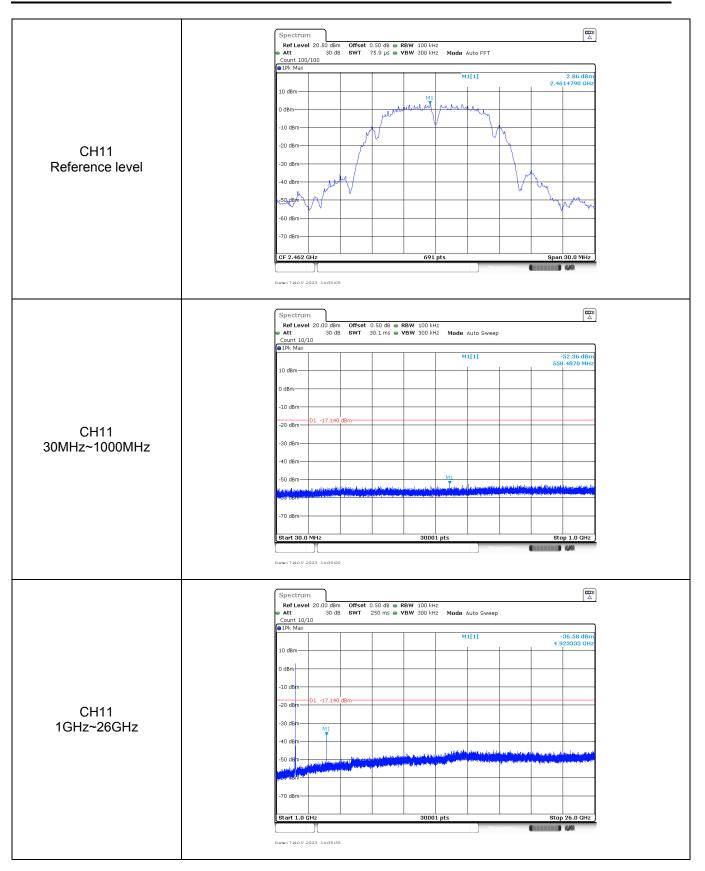
### Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Bandedge	Туре:		802.11 g
	Spectru Ref Lev Att Count 2*	vel 20.00 dBm Offset 0.50 dB 30 dB SWT 246.5 µs	<ul> <li>RBW 100 kHz</li> <li>VBW 300 kHz</li> <li>Mode Auto FFT</li> </ul>	
CH01	-10 dBm		M1[1] M2[1]	-2.88 dBm 2.414400 GHz -41.42 dBm 2.4000 GHz 3.4000 GHz
	-30 dBm- -40 dBm- -50 dBm- <b>4</b>	D1 -22.880 dBm	A wards and a wards of	Man MW
	-70 dBm- <u>Start 2.:</u> Marker <u>Type 1</u> M1 M2 M3 M4	B1 GHz           B1 GHz           Ref         Trc           1         2.41446 GHz           1         2.4 GHz           1         2.4 GHz           1         2.39 GHz           1         2.31 GHz	691 pts	Stop 2.422 GHz
	Spectru RefiLet	1 2.3996 GHz	-37.23 dBm	
	● At Count 31 ● IPK May 10 dBm	30 dB <b>SWT</b> 113.8 µs 🖷 D0/300	WBW 300 kHz         Mode Auto FFT	-3.23 dBm 2.6644690 GHz -50.20 dBm 2.4835000 GHz
CH11	-20 dBm- , <sup>4</sup> 50 dBm- -40 dBm- -50 dBm-	D1 -23.230 dBm	Marshay Marshay Marshay	
	M1	Ref         Trc         X-value           1         2.464469 GHz	691 pts	Stop 2.5 GHz
	M2 M3 M4	1 2.4835 GHz 1 2.5 GHz 1 2.5 GHz 1 2.4842783 GHz	-50.20 dBm -59.16 dBm -47.64 dBm	((11111)) 4/4

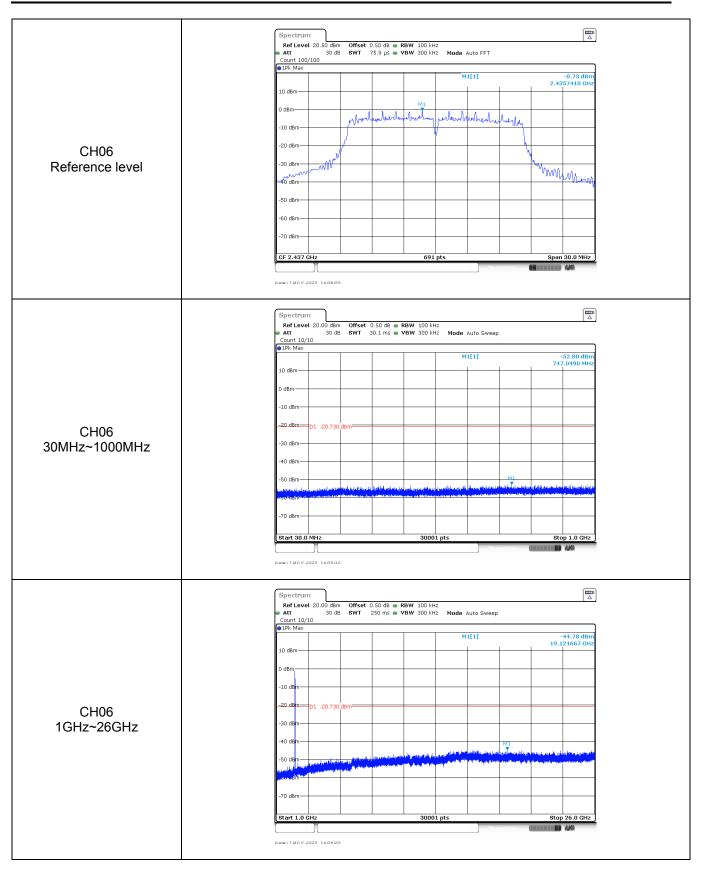
Test Item:	Bandedge		Type:			8	02.11	n(HT20
			Offset 0.50 dB ● SWT 246.5 µs ●	RBW 100 kHz VBW 300 kHz Mo	ie Auto FFT	•		
		• 1Pk Max	1				_	
		10 dBm			M1[1] M2[1]		2.414	9.45 dBm H460 GHz 7.11 dBm
		0 dBm-			-		2.400	炮的 GHz
		-10 dBm					while	herblin
		-20 dBmD1 -23.450 dB						
		-30 dBm				- No		
CH01		-40 dBm				A CONTRACT	r	
ener		-50 dBm				N3 NW		
		4 m64,dB00 <del>,7~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	Muchan	had an mark the work	and parto marker	°		
		-70 dBm			-			
		Start 2.31 GHz		691 pts			Stop 2.4	122 CU 2
		Marker			nction		ion Result	HZZ GHZ
		M1 1 M2 1 M3 1 M4 1	2.41446 GHz 2.4 GHz 2.39 GHz 2.31 GHz	-3.45 dBm -37.11 dBm -52.00 dBm -60.37 dBm				
		M5 1	2.399275 GHz	-35.72 dBm	Meas	uring 🚺	1	)61
		M5         1           Dam-7 NOV 2023 144500           Spectrum           Ref Level 20.00 dBm           Att         30 dB           Count 300/300	2.399275 GHz	-35.72 dBm	de Auto FFT	urina 🚺		
		M5         1           Dam-7 MOV 7023         14 45 49           Spectrum         Ref Level 20:00 dBm           Att         30 dB	2.399275 GHz	-35.72 dBm	de Auto FFT M1[1]	urina 🚺	-3	.58 dBm
		MS         1           Dame 7 NOV 2023 14 41:00         1           Ref Level 20.00 dBm         Att           Att         30 dB           Count 300/200         1Pk Max           10 dBm         0 dBm	2.399275 GHz	-35.72 dBm		uring	-3 2.4644 -48	
		MS         1           Dame 7 NOV 2023 14 41:00         1           Ref Level 20.00 dBm         Att           Att         30 dB           Count 300/200         1Pk Max           10 dBm         0 dBm	2.399275 GHz Offset 0.50 dB • SWT 113.8 μs •	-35.72 dBm	M1[1]		-3 2.4644 -48	(Ⅲ) .58 dBm 6690 GHz .15 dBm
		MS         1           Dami T NOV 2021 14 4500         1           Spectrum         Ref Level 20.00 dBm           Att         30 dB           Count 300/300         1Pk Max           10 dBm         0           -18* dBm         0	2.399275 GH2	-35.72 dBm	M1[1]		-3 2.4644 -48	(Ⅲ) .58 dBm 6690 GHz .15 dBm
		MS         1           Spectrum         Ref Level 20.00 dBm           Att         30 dB           Count 300/300         9 Pk Max           10 dBm         0 dBm           -1p' dBm         -1p' dBm	2.399275 GH2	-35.72 dBm	M1[1]		-3 2.4644 -48	(Ⅲ) .58 dBm 6690 GHz .15 dBm
CH11		MS         1           Spectrum         Ref Level 20.00 dBm           Att         30 dB           Count 300/300         1Pk Max           10 dBm         0 dBm           -19"dBm         -19"dBm           0 dBm         -19"dBm	2.399275 GH2	-35.72 dBm	M1[1] M2[1]		-3 2.4644 -48	(Ⅲ) .58 dBm 6690 GHz .15 dBm
CH11		MS         1           Spectrum         Ref Level 20.00 dBm           Att         30 dB           Count 300/300         9 Pk Max           10 dBm         0 dBm           -19"dBm         -19"dBm           40 dBm         01 -23.580 dB           30 dBm         01 -23.580 dB	2.399275 GH2	-35.72 dBm	M1[1] M2[1]		-3 2.4644 -48	(Ⅲ) .58 dBm 6690 GHz .15 dBm
CH11		MS         1           Spectrum         Ref Level 20.00 dBm           Att         30 dB           Count 300/300         9 Pk Max           10 dBm         0 dBm           -19 dBm         -19 dBm           30 dBm         -19 dBm           40 dBm         -12,550 dB	2.399275 GH2	-35.72 dBm	M1[1] M2[1]	*******	-3 2.4644 -48	(Ⅲ) .58 dBm 6690 GHz .15 dBm
CH11		MS         1           Spectrum         Ref Level 20.00 dBm           Att         30 dB           Count 300/300         9 Pk Max           10 dBm         0 dBm           -19 dBm         -19 dBm           -30 dBm         -19 dBm           -30 dBm         -19 dBm           -50 dBm         -50 dBm	2.399275 GH2	-35.72 dBm	M1[1] M2[1]	Man	-3 2.4644 -48	(Ⅲ) .58 dBm 6690 GHz .15 dBm
CH11		MS         1           Spectrum         Ref Level 20.00 dBm           Att         30 dB           Count 300/300         9 Pk Max           10 dBm         0 dBm           -19 dBm         -19 dBm           -30 dBm         -19 dBm           -30 dBm         -19 dBm           -60 dBm         -60 dBm	2.399275 GH2	-35.72 dBm	M1[1] M2[1]	Marine and a second	3 2.4644 -48 2.4835	(Ⅲ) .58 dBm 6690 GHz .15 dBm
CH11		MS         1           Spectrum         Ref Level 20.00 dBm           Att         30 dB           0 dBm         0 dBm           10 dBm         0 dBm           10 dBm         0 dBm           -10 dBm         0 -23.580 dB           -30 dBm         -1-23.580 dB           -30 dBm         -1-33.580 dB           -40 dBm         -1-23.580 dB           -30 dBm         -1-33.580 dB           -40 dBm         -1-23.580 dB           -30 dBm         -1-33.580 dB           -40 dBm         -1-33.580 dB           -50 dBm         -50 dBm           -60 dBm         -50 dBm           -70 dBm         -70 dBm	2.399275 GHz	-35.72 dBm	M1[1] M2[1]		-3 2.4644 -48 2.4835	(
CH11		MS         1           Spectrum         Ref Level 20.00 dBm           Att         30 dB           0 dBm         0 dBm           0 dBm         0 dBm           10 dBm         0 dBm           0 dBm         0 dBm           -10 dBm         0 -23.580 dB           -30 dBm         -1.23.580 dB           -40 dBm         -1.23.580 dB           -30 dBm         -1.23.580 dB           -40 dBm         -1.23.580 dB           -10 dBm         -1.23.580 dB           -30 dBm         -1.23.580 dB           -40 dBm         -1.23.580 dB           -40 dBm         -1.23.580 dB           -40 dBm         -1.23.580 dB           -10 dBm         -1.23.580 dB           -30 d	2.399275 GH2	-35.72 dBm	M1[1] M2[1]		3 2.4644 -48 2.4835	.58 dBm 690 GHz 1.15 dBm 1000 GHz

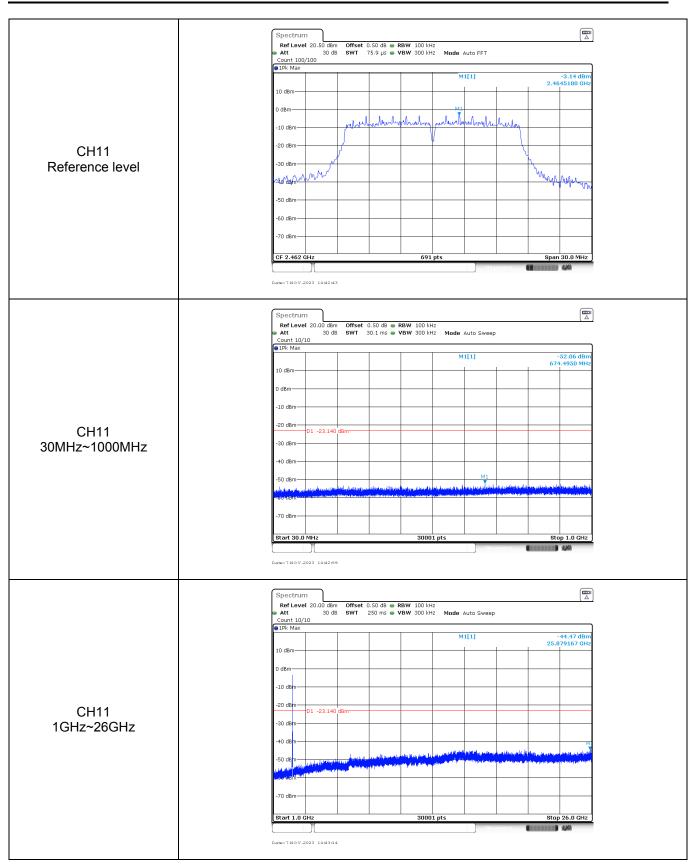
est Item:	Spurious Emissions	Туре:	802.11 b
t Item: CH01 Reference level	Spectrum Ref Level 20, 50 d8i Att 30 d Gount 100/100 Birk Max 10 d8m -10 d8m -20 d8m -30 d8m -40 d8m -50 g8m -50 g8m -50 g8m	<ul> <li>Offset 0.50 dB          <ul> <li>RBW 100 kHz</li> <li>B SWT 75.9 μs</li> <li>VBW 300 kHz</li> <li>Mode</li> </ul> </li> </ul>	Auto FFT  11[1]  1.86 dBm  2.4135200 GHz  41  41  41  41  41  41  41  41  41  4
	-60 dBm -70 dBm CF 2.412 GHz Date: 7 3/0 V 2023 14312	691 pts	Span 30.0 MHz
		m Offset 0.50 dB ● RBW 100 kHz B SWT 30.1 ms ● VBW 300 kHz Mode	11[1] -52.69 dBm
	10 dBm		550,8240 MHz
CH01 30MHz~1000MHz	-20 dBm-D1 -18.14	dBm	
	-40 d8m		
	-70 dBm-	30001 pts	Stop 1.0 GHz
	Data: 7 NOV 2023 14 81 4 Spectrum Ref Level 20.00 dBi	5 m Offset 0.50 dB ● RBW 100 kHz B SWT 250 ms ● VBW 300 kHz Mode	السلم (المعالم المعالم
	Count 10/10		Auto sweep 11[1] -40.10 dBm 4.823333 GHz
CH01 1GHz~26GHz	0 dBm -10 dBm -20 dBm	) dBm	
	-30 dēm40 dēm40 dēm		
	Start 1.0 GHz	30001 pts	Stop 26.0 GHz



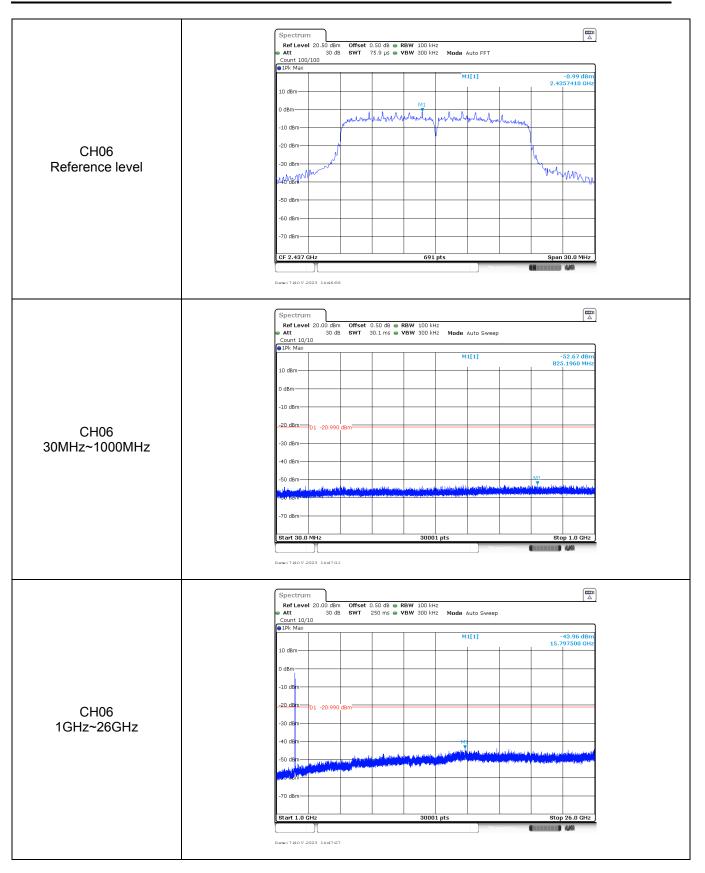


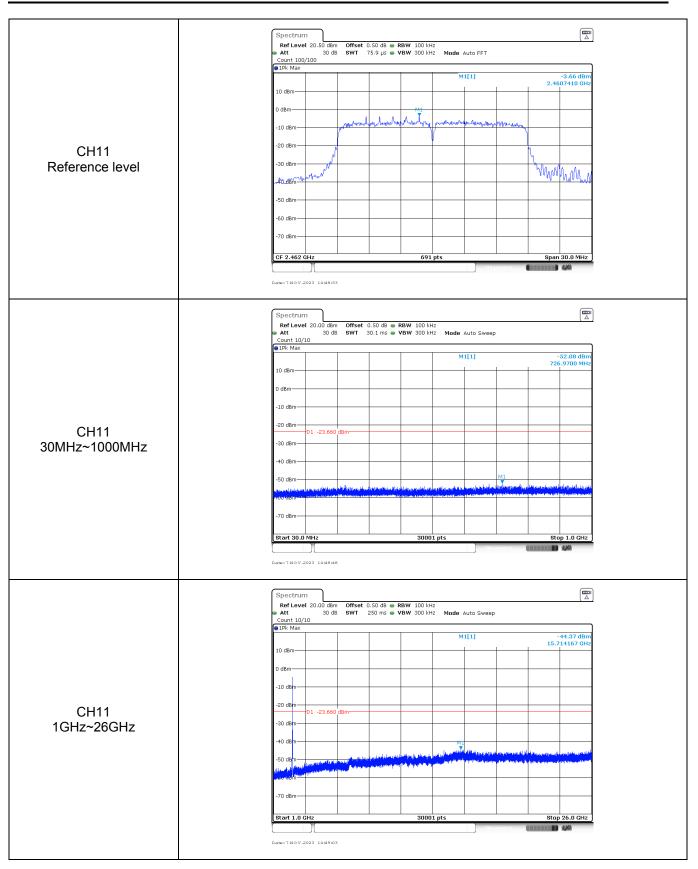
est Item:	Spurious Emissions	Туре:	802.11 g
	Spectrum	m Offset 0.50 dB 👄 RBW 100 kHz	
		B SWT 75.9 µs ● VBW 300 kHz M	
CH01 Reference level	10 dBm		M1[1] -2.88 dBn 2.4145180 GH;
	D dBm		M3
	-10 dBm		
	-30 dBm		
	At the second		
	-50 dBm		
	-70 dBm		
	CF 2.412 GHz	691 pts	Span 30.0 MHz
	Data: 7 NOV 2023 14:37:1	.3	
	Spectrum Ref Level 20.00 dB	m <b>Offset</b> 0.50 dB <b>e RBW</b> 100 kHz	<b>H</b>
		m Offset 0.50 ab S RBW 100 kHz B SWT 30.1 ms S VBW 300 kHz M	Iode Auto Sweep
	10 dBm		M1[1] -51.90 dBn 722.3140 MH
	0 dBm		
	-10 dBm		
CH01 80MHz~1000MHz	-20 dBm D1 -22.88 -30 dBm	0 d8m	
	-40 dBm		
	-50 dBm	and the same of the same transformed in the same transformed in the same same same same same same same sam	M1. Historia (k. 1.) Karal - Karal - Karal - Milli Historia (k. 1.) Historia - Marina Antonio (k. 1.)
	-70 dBm		
	Start 30.0 MHz	30001 pts	Stop 1.0 GHz
	Data:7 NOV 2023 14:375	9	
	Spectrum		(III)
	● Att 30 c Count 10/10	m Offset 0.50 dB 🖷 RBW 100 kHz  B SWT 250 ms 🖶 VBW 300 kHz M	
CH01	1Pk Max     10 dBm		M1[1] -44.15 dBn 16.075833 GH:
	0 dBm		
	-10 dBm		
	-20 dBm 01 -22.88	0 dBm	
1GHz~26GHz	-40 dBm		
	-50 dBm		a di kaliki ka kata pendanan lan ang penganan kata penganan kata penganan penganan kata penganan penganan pena Penang penganan penganan penganan penganan kata penganan penganan penganan penganan penganan penang penganan pe
	-70 dBm		
	Start 1.0 GHz	30001 pts	Stop 26.0 GHz
	Dam+7 N∩V 2023 14474		Measuring 🚺 🚧





Fest Item:	Spurious Emissions	Туре:	802.11 n(HT20)
	Spectrum		
	● Att 30 c Count 100/100	m Offset 0.50 dB <b>● RBW</b> 100 kHz dB SWT 75.9 µs <b>● VBW</b> 300 kHz Mod	a Auto FFT
	● 1Pk Max		M1[1] -3.20 dBm 2.4145180 GHz
	10 dBm		
	D dBm	white a hour warming portion	Ry hundra frances
	-10 dBm		
CH01 Reference level	-30 dBm	1	l,
	- ARABAM MAM		"MMM MUL M
	-50 dBm		
	-60 dBm		
	-70 dBm		
	CF 2.412 GHz	691 pts	Span 30.0 MHz
	Date: 7 NOV 2023 14 %5:	16	
	Spectrum <b>Ref Level</b> 20.00 dB <b>Att</b> 30 d	m <b>Offset</b> 0.50 dB <b>● RBW</b> 100 kHz dB <b>SWT</b> 30.1 ms <b>● VBW</b> 300 kHz <b>Moc</b>	Auto Sween
	Count 10/10		
	10 dBm		M1[1] -52.00 dBm 945.3100 MHz
	0 dBm		
	-10 dBm-		
CH01	-20 dBm	0.dBm	
30MHz~1000MHz	-30 dBm		
	-40 dBm		
	-50 dBm	والمعادية المراجعة والمراجعة والمراجعة والمراجعة والمحافظة والمحافظة والمحافظة والمحافظة والمحافظة والمحافظة والمحافظة	
	-70 dBm		
	Start 30.0 MHz	30001 pts	Stop 1.0 GHz
			Measuring (11 Martin) (20
	Data: 7 NOV 2023 14:45:	31	
	Spectrum		
	Ref Level 20.00 dB Att 30 c Count 10/10	m Offset 0.50 dB	a Auto Sweep
	e 1Pk Max		M1[1] -44.12 dBm 15.145833 GHz
	10 dBm		13.143833 GHZ
	D dBm		
	-10 dBm		
	-20 dBm D1 -23.20 -30 dBm	0 dBm	
1GHz~26GHz	-40 dBm	MI MI	
	-50 dem		and the new by an interference for each or a factor of the second state of the second
	y conduction and a second second		
	-70 dBm		
	Start 1.0 GHz	30001 pts	Stop 26.0 GHz





-----End of Report------