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TER: 48,017-25,2400 (ET

TEST REPORT

		■1.1957.4257.■ 2.1777.555.3.1925
Report No	CHTEW19120211	Report Verification:
Project No	SHT1912060301EW	
FCC ID:	T58WF2419D	Repairs of the state
Applicant's name:	NETIS SYSTEMS CO., LI	rd.
Address		ang Information Harbor, No.11 District, Shenzhen, China
Manufacturer	NETIS SYSTEMS CO., LT	D.
Address		ang Information Harbor, No.11 District, Shenzhen, China
Test item description:	300Mbps Wireless N Rou	uter
Trade Mark:	netis	
Model/Type reference:	WF2419	
Listed Model(s)	3001473	
Standard:	FCC CFR Title 47 Part 15 Subpart C Section 15.247	
Date of receipt of test sample	Dec.20,2019	
Date of testing	Dec.20,2019 ~ Dec.26,2019	
Date of issue	Dec.27,2019	
Result:	PASS	
Compiled by (Position+Printed name+Signature):	File administrator Yueming	g Li Yuoming.li
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(Position+Printed name+Signature): Approved by	RF Manager Hans Hu	Hansty Hansty nternational Inspection Co., Ltd.
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1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

- <u>FCC Rules Part 15.247</u>: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz
- <u>ANSI C63.10:2013</u>: 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
- <u>KDB662911 D01 Multiple Transmitter Output v02r01</u>: Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
- KDB662911 D02 MIMO with Cross-Polarized Antennas v01: MIMO with Cross-Polarized Antenna

1.2. Report version

Revision No.	Date of issue	Description
N/A	2019-12-27	Original

2. TEST DESCRIPTION

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

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:	NETIS SYSTEMS CO., LTD.	
Address:	Floor 8, Building B, TongFang Information Harbor, No.11 Langshan Road, Nanshan District, Shenzhen, China	
Manufacturer:	NETIS SYSTEMS CO., LTD.	
Address:	Floor 8, Building B, TongFang Information Harbor, No.11 Langshan Road, Nanshan District, Shenzhen, China	

3.2. Product Description

Name of EUT:	300Mbps Wireless N Router
Trade Mark:	netis
Model No.:	WF2419
Listed Model(s):	3001473
Power supply:	AC 120V
Adapter information:	Mode:AMS195-0900500FU Input:100-240Va.c.50/60Hz 0.3A Output:9Vd.c.0.5A
Hardware version:	PB-7119-M02G-50
Software version:	V3.2.43177

3.3. Radio Specification Description

Support type ^{*2} :	802.11b, 802.11g, 802.11n(HT20), 802.11n(HT40)
Modulation:	DSSS for 802.11b OFDM for 802.11g/802.11n(HT20)/802.11n(HT40)
Operation frequency:	2412MHz~2462MHz for 802.11b/802.11g/802.11n(HT20) 2422MHz~2452MHz for 802.11n(HT40)
Channel number:	11 for 802.11b/802.11g/802.11n(HT20) 7 for 802.11n(HT40)
Channel separation:	5MHz
Antenna type:	External Antenna
Antenna gain:	5.00dBi

Note:

*2: only show the RF function associated with this report.

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.		
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China		
	Туре	Accreditation Number	
Qualifications	CNAS	L1225	
	A2LA	3902.01	
	FCC	762235	
	Canada	5377A	

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/802.11g/802.11n(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. Descriptions of Test mode

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	

4.3. 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 test item:

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.

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:

Wheth	Whether support unit is used?				
~	No				
Item	Equipement	Trade Name	Model No.	FCC ID	Power cord
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

4.6. Measurement uncertainty

Test Item	Measurement Uncertainty
AC Conducted Emission (150kHz~30MHz)	3.02 dB
Radiated Emission (30MHz~1000MHz	4.90 dB
Radiated Emissions (1GHz~25GHz)	4.96 dB
Peak Output Power	0.51 dB
Power Spectral Density	0.51 dB
Conducted Spurious Emission	0.51 dB
6dB Bandwidth	70 Hz

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 Em	ission					
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Shielded Room	Albatross projects	HTWE0114	N/A	N/A	2018/09/28	2023/09/27
•	EMI Test Receiver	R&S	HTWE0111	ESCI	101247	2019/10/26	2020/10/25
•	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2019/10/23	2020/10/22
•	Pulse Limiter	R&S	HTWE0033	ESH3-Z2	100499	2019/10/23	2020/10/22
•	RF Connection Cable	HUBER+SUHNER	HTWE0113-02	ENVIROFLE X_142	EF-NM- BNCM-2M	2019/10/23	2020/10/22
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

•	Radiated emiss	sion-6th test site					
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	2018/09/30	2021/09/29
•	EMI Test Receiver	R&S	HTWE0099	ESCI	100900	2019/10/26	2020/10/25
•	Loop Antenna	R&S	HTWE0170	HFH2-Z2	100020	2018/04/02	2021/04/01
•	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0119	VULB9163	546	2017/04/05	2020/04/04
•	Pre-Amplifer	SCHWARZBECK	HTWE0295	BBV 9742	N/A	2019/11/14	2020/11/13
•	RF Connection Cable	HUBER+SUHNER	HTWE0062- 01	N/A	N/A	2019/08/21	2020/08/20
•	RF Connection Cable	HUBER+SUHNER	HTWE0062- 02	SUCOFLEX 104	501184/4	2019/05/27	2020/05/26
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

•	Radiated emis	sion-7th test site					
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	HTWE0122	SAC-3m-01	N/A	2018/09/27	2021/09/26
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2019/10/26	2020/10/25
•	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2017/04/01	2020/03/31
•	Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	25841	2017/03/27	2020/03/26
•	Broadband Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	BBHA9170472	2018/10/11	2021/10/10
•	Pre-amplifier	CD	HTWE0071	PAP-0102	12004	2019/11/14	2020/11/13
•	Broadband Pre- amplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2019/05/23	2020/05/22
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-01	6m 18GHz S Serisa	N/A	2019/05/10	2020/05/09
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-02	6m 3GHz RG Serisa	N/A	2019/05/10	2020/05/09
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-03	6m 3GHz RG Serisa	N/A	2019/05/10	2020/05/09
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-04	6m 3GHz RG Serisa	N/A	2019/05/10	2020/05/09
•	RF Connection Cable	HUBER+SUHNER	HTWE0121-01	6m 18GHz S Serisa	N/A	2019/05/10	2020/05/09
•	Test Software	Audix	N/A	E3	N/A	N/A	N/A

•	RF Conducted Method					
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Signal and spectrum Analyzer	R&S	FSV40	100048	2019/10/26	2020/10/25
•	Spectrum Analyzer	Agilent	N9020A	MY50510187	2019/10/26	2020/10/25
•	Power Meter	Anritsu	ML249A	N/A	2019/10/26	2020/10/25
0	Radio communication tester	R&S	CMW500	137688-Lv	2019/10/26	2020/10/25

5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

<u>Requirement</u>

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.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

TEST RESULT

☑ Passed □ Not Applicable

The product has two external antennas, both two are 5dBi antenna gain, and the product is a CDD device with the same gain, according to KDB 662911 D01 section F, the Directional gain=Gant + Array gain

For power spectral density measurements on all devices,

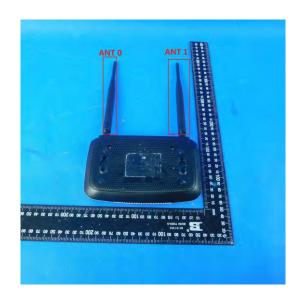
Array gain=10log(Nant/Nss) dB,So the Directional gain=5+10log(2/2)=5dBi which is less than 6 dBi requirement.

For power measurements on IEEE 802.11 devices,

Array gain=0 dB for Nant \leq 4,

So the Directional gain=5+0=5dBi which is less than 6 dBi requirement, please refer to the below antenna photo.

1



5.2. AC Conducted Emission

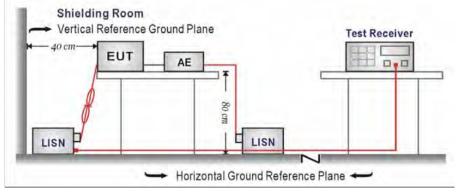
<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.207

	Limit (d	BuV)
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.
- 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.

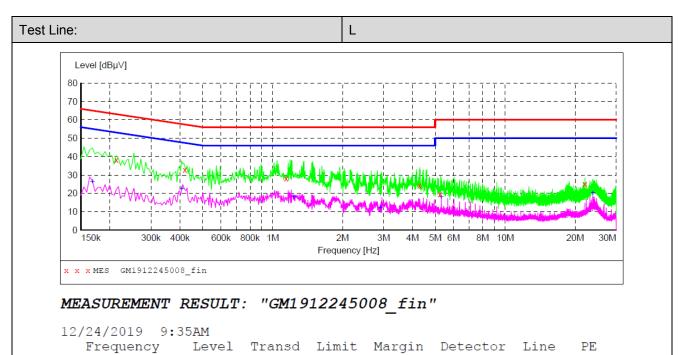
TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

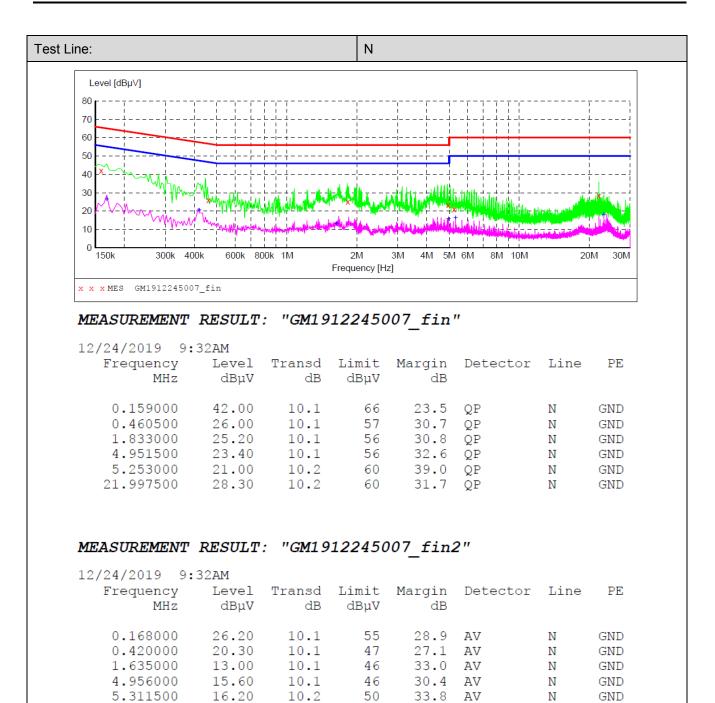
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MHz	dBµV	dB	dBµV	dB			
0.213000 0.420000 1.144500 4.285500 5.239500 21.997500	38.20 32.90 28.20 24.40 19.60 25.20	10.1 10.1 10.1 10.1 10.2 10.2	63 57 56 56 60 60	24.9 24.5 27.8 31.6 40.4 34.8	QP QP QP QP QP	L1 L1 L1 L1 L1 L1	GND GND GND GND GND GND
					~		

MEASUREMENT RESULT: "GM1912245008 fin2"

12/24/2019 9: Frequency MHz	35AM Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.168000 0.406500 1.234500 2.913000 5.307000 23.793000	26.40 22.50 18.00 12.00 18.00 20.20	10.1 10.1 10.1 10.1 10.2 10.2	55 48 46 46 50 50	28.7 25.2 28.0 34.0 32.0 29.8	AV AV AV AV AV	L1 L1 L1 L1 L1 L1	GND GND GND GND GND GND



23.127000

18.00

10.2

50

32.0 AV

Ν

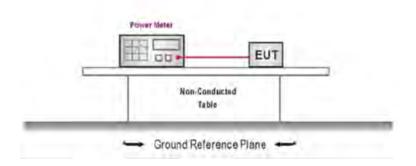
GND

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:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

TEST Data

Please refer to appendix A on the appendix report

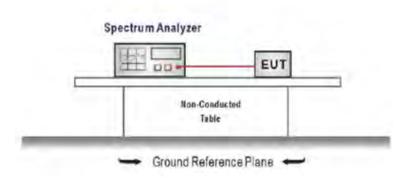
5.4. Power Spectral Density

<u>LIMIT</u>

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
- 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:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

TEST Data

Please refer to appendix B on the appendix report

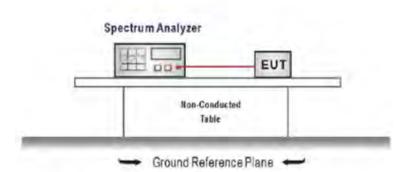
5.5. 6dB bandwidth

<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



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:

Please refer to the clause 4.2

TEST RESULT

⊠ Passed □ Not

Not Applicable

TEST Data

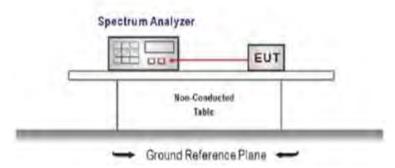
Please refer to appendix C on the appendix report

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:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

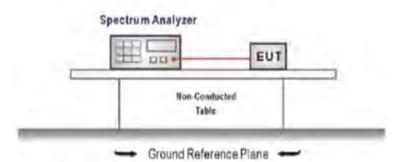
TEST Data

Please refer to appendix D on the appendix report

5.7. Duty Cycle

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:

Please refer to the clause 4.2

TEST Data

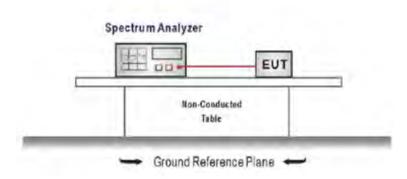
Please refer to appendix E on the appendix report

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.
- 5. 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:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

TEST Data

Please refer to appendix F on the appendix report

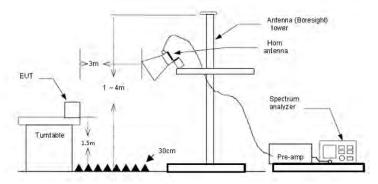
5.9. Radiated Band edge Emission

<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 5.6 duty cycle.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

☑ Passed □ Not Applicable

Note:

- 1) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit Level
- 3) Pre-scan all modulation mode and antenna. 802.11b/g in the report only displays the worst antenna information. The worst antenna is antenna 1.

Туре		802.1	1b	Test chan	nel	CH01	Polarit	ty	Horizonta
	Susp	ected Data	List						
	NO	Freq.	Reading	Factor Level		Limit	Margin	Delevite	Detector
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2310.000	24.87	35.78	60.65	74.00	13.35	Horizontal	PK
	2	2390.009	24.53	35.50	60.03	74.00	13.97	Horizontal	PK
	Suspected Data List								
		Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2310.000	13.80	35.78	49.58	54.00	4.42	Horizontal	AV
	2	2390.009	14.00	35.50	49.50	54.00	4.50	Horizontal	AV
Гуре		802.1	1b	Test chan	nel	CH01	Polarit	ty	Vertical
	Susp	ected Data	List						
	NO.	Freq.	Reading	Factor	Level	Limit	Margin	Delevity	Detector
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Delector
	1	2310.000	23.59	35.78	59.37	74.00	14.63	Vertical	PK
	2	2390.009	24.50	35.50	60.00	74.00	14.00	Vertical	PK
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2310.000	14.01	35.78	49.79	54.00	4.21	Vertical	AV

уре		802.1	1b	Test chan	nel	CH11	Polarit	.y	Horizontal			
	Susp	ected Data	List									
	NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector			
	1	2483.514	24.64	35.31	59.95	74.00	14.05	Horizontal	PK			
	2	2500.000	24.13	35.28	59.41	74.00	14.59	Horizontal	PK			
	Suspected Data List											
	NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector			
	1	2483.514	14.02	35.31	49.33	54.00	4.67	Horizontal	AV			
	2	2500.000	14.20	35.28	49.48	54.00	4.52	Horizontal	AV			
уре	802.11b		Test channel		CH11 Polarity		y	Vertical				
	Susp	ected Data	List									
	NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector			
	1	2483.514	24.76	35.31	60.07	74.00	13.93	Vertical	PK			
	2	2500.000	24.04	35.28	59.32	74.00	14.68	Vertical	PK			
	Susp	ected Data	List									
	NO.	Freq.	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector			
		[MHz]	F	[
	1	2483.514	14.05	35.31	49.36	54.00	4.64	Vertical	AV			

Туре		802.	11g	Test char	nnel	CH01	Pola	rity	Horizonta
	Susp	ected Data	List						
	NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
	1	2310.000	23.70	35,78	59.48	74.00	14.52	Horizontal	PK
	2	2310.000	23.48	35.70	58.98	74.00	14.52	Horizontal	PK
				00.00	00.00	14.00	10.02	TIONEONIU	
	Susp	ected Data	List						
	NO.	Freq.	Reading	Factor	Level	Limit	Margin	Delerity	Detector
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2310.000	13.90	35.78	49.68	54.00	4.32	Horizontal	AV
	2	2390.009	14.12	35.50	49.62	54.00	4.38	Horizontal	AV
Туре		802.	11a	Test char	nnel	CH01	Pola	ritv	Vertical
71			.		-			- J	
	Susp	ected Data	List			_			
	NO.	Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Folanty	Delector
	1	2310.000	24.49	35.78	60.27	74.00	13.73	Vertical	PK
	2	2390.009	24.44	35.50	59.94	74.00	14.06	Vertical	PK
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
			13.86	35.78	49.64	54.00	4.36	Vertical	AV
	1	2310.000	13.00	35.76	49.04	54.00	4.50	ventical	~ v

уре		802.	11g	Test char	nnel	CH11	Pola	rity	Horizonta
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin		D ()
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2483.514	25.48	35.31	60.79	74.00	13.21	Horizontal	PK
	2	2500.000	23.66	35.28	58.94	74.00	15.06	Horizontal	PK
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2483.514	14.36	35.31	49.67	54.00	4.33	Horizontal	AV
	2	2500.000	14.12	35.28	49.40	54.00	4.60	Horizontal	AV
уре		802.	11g	Test char	nnel	CH11	Pola	rity	Vertical
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2483.514	24.87	35.31	60.18	74.00	13.82	Vertical	PK
	2	2500.000	24.73	35.28	60.01	74.00	13.99	Vertical	PK
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin	D 1 1	
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2483.514	14.23	35.31	49.54	54.00	4.46	Vertical	AV

Туре	802.11		02.11n(HT20) Test channel		annel	CH01	Polar	ity	Horizonta		
	Suspe	ected Data	List								
	NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector		
	1	2310.000	24.77	35.78	60.55	74.00	13.45	Horizontal	PK		
	2	2390.116	26.30	35.50	61.80	74.00	12.20	Horizontal	PK		
	Suspected Data List										
	NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector		
	1	2310.000	13.72	35.78	49.50	54.00	4.50	Horizontal	AV		
	2	2390.116	14.27	35.50	49.77	54.00	4.23	Horizontal	AV		
vpe											
уре		802.11	n(HT20)	Test cha	annel	CH01	Polar	ity	Vertical		
Туре	Susp	802.11	. ,	Test cha	annel	CH01	Polar	ity	Vertical		
Гуре	Susp		. ,	Test cha Factor [dB]	Level	CH01 Limit [dBµV/m]	Polar Margin [dB]	ity Polarity	Vertical Detector		
Гуре		ected Data Freq.	List Reading	Factor	Level	Limit	Margin	-			
Гуре	NO.	ected Data Freq. [MHz]	List Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector		
Гуре	NO.	ected Data Freq. [MHz] 2310.000	List Reading [dBµV/m] 23.89 23.11	Factor [dB] 35.78	Level [dBµV/m] 59.67	Limit [dBµV/m] 74.00	Margin [dB] 14.33	Polarity Vertical	Detector		
Гуре	NO.	ected Data Freq. [MHz] 2310.000 2390.116	List Reading [dBµV/m] 23.89 23.11	Factor [dB] 35.78	Level [dBµV/m] 59.67	Limit [dBµV/m] 74.00	Margin [dB] 14.33	Polarity Vertical	Detector		
Туре	NO. 1 2 Susp	ected Data Freq. [MHz] 2310.000 2390.116 ected Data Freq.	List Reading [dBµV/m] 23.89 23.11 List Reading	Factor [dB] 35.78 35.50 Factor	Level [dBµV/m] 59.67 58.61 Level	Limit [dBµV/m] 74.00 74.00	Margin [dB] 14.33 15.39 Margin	Polarity Vertical Vertical	Detector PK PK		

Туре		802.17	802.11n(HT20)		annel	CH11	Pola	rity	Horizonta
	Suspe	ected Data	List						
	NO	Freq.	Reading	Factor	Level	Limit	Margin	Delevity	Detector
	NO.	IO. [MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	
	1	2483.514	24.51	35.31	59.82	74.00	14.18	Horizontal	PK
	2	2500.000	25.78	35.28	61.06	74.00	12.94	Horizontal	PK
	Suspe	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin	Polarity	_
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		Detector
	1	2483.514	13.98	35.31	49.29	54.00	4.71	Horizontal	AV
	2	2500.000	14.08	35.28	49.36	54.00	4.64	Horizontal	AV
Туре	802.11n(HT20)			Test ch	annel	CH11	Pola	ritv	Vertical
.) 6 0			、 ,			•••••		,	
	Susp	ected Data	List				-	1	
	NO.	Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
	140.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	rolanty	Detector
	1	2483.514	24.65	35.31	59.96	74.00	14.04	Vertical	PK
	2	2500.000	25.17	35.28	60.45	74.00	13.55	Vertical	PK
	Susp	ected Data	List						
	NO	Freq.	Reading	Factor	Level	Limit	Margin	Delevit	Datast
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2483.514	14.03	35.31	49.34	54.00	4.66	Vertical	AV

Туре		802.	11n(HT40)	Test char	nnel	CH03	Pola	rity	Horizonta	
	Susp	ected Data	List							
		Freq.	Reading	Factor	Level	Limit	Margin	Deleviter	Datastan	
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector	
	1	2310.000	23.86	35.78	59.64	74.00	14.36	Horizontal	PK	
	2	2390.108	23.88	35.50	59.38	74.00	14.62	Horizontal	PK	
	Susp	ected Data	List							
		Freq.	Reading	Factor	Level	Limit	Margin	Delevity		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector	
	1	2310.000	13.98	35.78	49.76	54.00	4.24	Horizontal	AV	
	2	2390.108	13.91	35.50	49.41	54.00	4.59	Horizontal	AV	
Туре	802.11n(HT40)		Test char	nnel	CH03	Pola	rity	Vertical		
	Susp	ected Data	List							
		Freq.	Reading	Factor	Level	Limit	Margin			
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector	
	1	2310.000	24.37	35.78	60.15	74.00	13.85	Vertical	PK	
	2	2390.108	24.33	35.50	59.83	74.00	14.17	Vertical	PK	
	Susp	ected Data	List							
		Freq.	Reading	Factor	Level	Limit	Margin			
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector	
	1	2310.000	13.80	35.78	49.58	54.00	4.42	Vertical	AV	
	2	2390.108	14.21	35.50	49.71	54.00	4.29	Vertical	AV	

Туре		802.	11n(HT40)	Test cha	nnel	CH09	Pola	rity	Horizonta
	Suspe	ected Data	List						
	NO	Freq.	Reading	Factor	Level	Limit	Margin	Delevity	Detector
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2483.500	24.39	35.31	59.70	74.00	14.30	Horizontal	PK
	2	2500.000	24.38	35.28	59.66	74.00	14.34	Horizontal	PK
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin	Delevite	Datasta
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2483.500	14.14	35.31	49.45	54.00	4.55	Horizontal	AV
	2	2500.000	14.03	35.28	49.31	54.00	4.69	Horizontal	AV
Туре	802.11n(HT40)		Test cha	nnel	CH09	Pola	rity	Vertical	
	Suspe	ected Data	List						
	NO	Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2483.500	24.98	35.31	60.29	74.00	13.71	Vertical	PK
	2	2500.000	24.59	35.28	59.87	74.00	14.13	Vertical	PK
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin	D I	_
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	2483.500	13.95	35.31	49.26	54.00	4.74	Vertical	AV
	2	2500.000	14.29	35.28	49.57	54.00	4.43	Vertical	AV

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

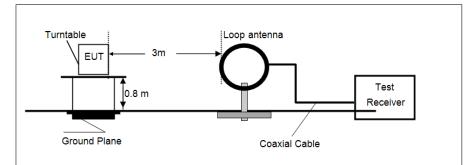
Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3)= Limit dBuV/m @300m +80,

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

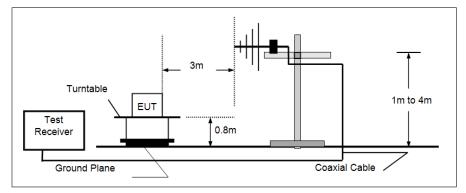
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
	54.00	Average
Above 1GHz	74.00	Peak

TEST CONFIGURATION

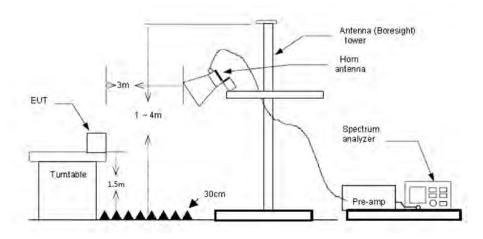
> 9 kHz ~ 30 MHz



> 30 MHz ~ 1 GHz



> Above 1 GHz



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 5.6 duty cycle.

TEST MODE:

Please 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) Margin = Limit Level
- Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.

TEST DATA FOR 9 kHz ~ 30 MHz

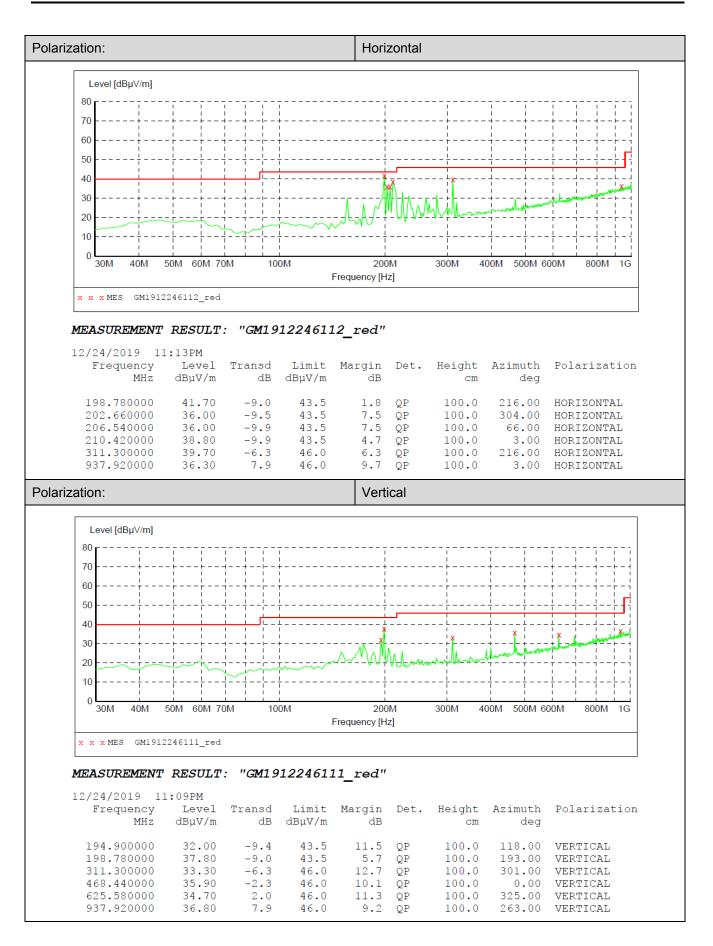
The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

TEST DATA FOR 30 MHz ~ 1000 MHz

The EUT was pre-scanned all modulation mode and antenna, found CH06 of 802.11n(HT20) which it was worst case, so only show the worst case's data on this report.

TEST DATA FOR 1 GHz ~ 25 GHz

The EUT was pre-scanned all modulation mode and antenna. 802.11b/g in the report only displays the worst antenna information. The worst antenna is antenna 1.



TEST DATA FOR 1 GHz ~ 25 GHz

Туре			802.11	b		Test channel		CH01	
	Susp	ected Data	List						
	· ·	Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	1149.812	35.44	-6.36	29.08	74.00	44.92	Horizontal	PK
	2	2998.968	40.56	-0.11	40.45	74.00	33.55	Horizontal	PK
	3	5068.437	32.11	8.50	40.61	74.00	33.39	Horizontal	PK
	4	7324.437	31.20	15.13	46.33	74.00	27.67	Horizontal	PK
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin		_
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	1185.062	34.57	-5.99	28.58	74.00	45.42	Vertical	PK
	2	3266.281	39.05	0.05	39.10	74.00	34.90	Vertical	PK
	3	5039.062	30.77	8.22	38.99	74.00	35.01	Vertical	PK
	4	7085.031	32.27	14.39	46.66	74.00	27.34	Vertical	PK
	-	7000.001	02.27	14.00	40.00	74.00	21.04	Vertiodi	TR
уре			802.11	b		Test channel		CH06	
	Susp	ected Data	l ist						
	Cusp		Reading	Factor	Level	Limit	Margin		
	NO.	Freq.	-					Polarity	Detector
		[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
	1	1190.937	34.80	-5.93	28.87	74.00	45.13	Horizontal	PK
	2	3006.312	36.57	-0.09	36.48	74.00	37.52	Horizontal	PK
	3	5087.531	31.15	8.68	39.83	74.00	34.17	Horizontal	PK
	4	6703.156	31.73	13.46	45.19	74.00	28.81	Horizontal	PK
	Suspe	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	1185.062	35.50	-5.99	29.51	74.00	44.49	Vertical	PK
	2	3142.906	38.74	0.54	39.28	74.00	34.72	Vertical	PK
	3	4989.125	31.36	7.78	39.14	74.00	34.86	Vertical	PK
	4	6863.250	31.61				54.00	ventical	
	-			13 77	15 38	74.00	28.62	Vertical	PK
				13.77	45.38	74.00	28.62	Vertical	PK
уре			802.11			Test channel		Vertical CH11	PK
ype	Suspe	ected Data	802.11						РК
vpe			802.11					CH11	
/pe	Suspe	ected Data	802.11 List	b		Test channel			PK Detector
ype		ected Data Freq. [MHz]	802.11 List Reading	b Factor [dB]	Level	Test channel	Margin	CH11	
ype	NO.	ected Data Freq.	802.11 List Reading [dBµV/m]	b Factor	Level [dBµV/m]	Limit	Margin [dB] 44.64	CH11 Polarity	Detector
ype	NO.	ected Data Freq. [MHz] 1264.375	802.11 List Reading [dBµV/m] 35.02 36.47	b Factor [dB] -5.66 0.12	Level [dBµV/m] 29.36 36.59	Limit [dBµV/m] 74.00	Margin [dB] 44.64 37.41	CH11 Polarity Horizontal	Detector PK PK
ype	NO.	ected Data Freq. [MHz] 1264.375 2957.843	802.11 List Reading [dBµV/m] 35.02 36.47 31.78	b Factor [dB] -5.66	Level [dBµV/m] 29.36	Test channel Limit [dBµV/m] 74.00 74.00	Margin [dB] 44.64	CH11 Polarity Horizontal Horizontal	Detector
/pe	NO.	Ected Data Freq. [MHz] 1264.375 2957.843 4652.781 7168.750	802.11 List Reading [dBµV/m] 35.02 36.47 31.78 30.74	b Factor [dB] -5.66 0.12 6.09	Level [dBµV/m] 29.36 36.59 37.87	Test channel Limit [dBµV/m] 74.00 74.00 74.00	Margin [dB] 44.64 37.41 36.13	CH11 Polarity Horizontal Horizontal Horizontal	Detector PK PK PK
уре	NO.	ected Data Freq. [MHz] 1264.375 2957.843 4652.781 7168.750 ected Data	802.11 List Reading [dBµV/m] 35.02 36.47 31.78 30.74 List	b Factor [dB] -5.66 0.12 6.09 14.82	Level [dBµV/m] 29.36 36.59 37.87 45.56	Test channel Limit [dBµV/m] 74.00 74.00 74.00	Margin [dB] 44.64 37.41 36.13 28.44	CH11 Polarity Horizontal Horizontal Horizontal	Detector PK PK PK
уре	NO.	ected Data Freq. [MHz] 1264.375 2957.843 4652.781 7168.750 ected Data Freq.	802.11 List Reading [dBµV/m] 35.02 36.47 31.78 30.74 List Reading	b Factor [dB] -5.66 0.12 6.09 14.82 Factor	Level [dBµV/m] 29.36 36.59 37.87 45.56 Level	Limit [dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00 Limit Limit	Margin [dB] 44.64 37.41 36.13 28.44 Margin	CH11 Polarity Horizontal Horizontal Horizontal	Detector PK PK PK PK
ype	NO. 1 2 3 4 Suspe	ected Data Freq. [MHz] 1264.375 2957.843 4652.781 7168.750 ected Data	802.11 List Reading [dBµV/m] 35.02 36.47 31.78 30.74 List	b Factor [dB] -5.66 0.12 6.09 14.82	Level [dBµV/m] 29.36 36.59 37.87 45.56	Limit [dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00 Limit Limit	Margin [dB] 44.64 37.41 36.13 28.44	CH11 Polarity Horizontal Horizontal Horizontal	Detector PK PK PK
уре	NO. 1 2 3 4 Suspe	ected Data Freq. [MHz] 1264.375 2957.843 4652.781 7168.750 ected Data Freq.	802.11 List Reading [dBµV/m] 35.02 36.47 31.78 30.74 List Reading	b Factor [dB] -5.66 0.12 6.09 14.82 Factor	Level [dBµV/m] 29.36 36.59 37.87 45.56 Level	Limit [dBµV/m] 74.00 74.00 74.00 74.00 74.00 74.00 Limit Limit	Margin [dB] 44.64 37.41 36.13 28.44 Margin	CH11 Polarity Horizontal Horizontal Horizontal	Detector PK PK PK PK
ype	NO. 1 2 3 4 Suspender NO.	ected Data Freq. [MHz] 1264.375 2957.843 4652.781 7168.750 ected Data Freq. [MHz]	802.11 List Reading [dBµV/m] 35.02 36.47 31.78 30.74 List Reading [dBµV/m]	b Factor [dB] -5.66 0.12 6.09 14.82 Factor [dB]	Level [dBµV/m] 29.36 36.59 37.87 45.56 Level [dBµV/m]	Test channel Limit [dBµV/m] 74.00 74.00 74.00 74.00 CLimit [dBµV/m]	Margin [dB] 44.64 37.41 36.13 28.44 Margin [dB]	CH11 Polarity Horizontal Horizontal Horizontal Horizontal	Detector PK PK PK PK Detector
Гуре	NO. 1 2 3 4 Suspe NO. 1	ected Data Freq. [MHz] 1264.375 2957.843 4652.781 7168.750 ected Data Freq. [MHz] 1193.875	802.11 List Reading [dBµV/m] 35.02 36.47 31.78 30.74 List Reading [dBµV/m] 35.33	b Factor [dB] -5.66 0.12 6.09 14.82 Factor [dB] -5.89	Level [dBµV/m] 29.36 36.59 37.87 45.56 Level [dBµV/m] 29.44	Test channel Limit [dBµV/m] 74.00 74.00 74.00 74.00 74.00 CLimit [dBµV/m] 74.00	Margin [dB] 44.64 37.41 36.13 28.44 Margin [dB] 44.56	CH11 Polarity Horizontal Horizontal Horizontal Polarity Vertical	Detector PK PK PK PK Detector PK

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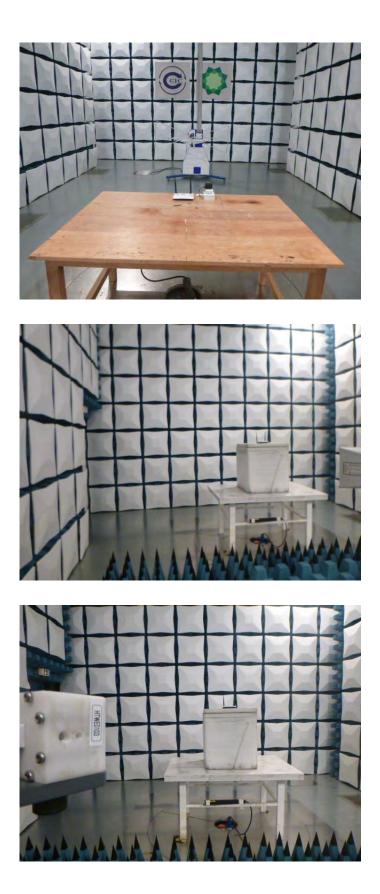
рe			802.11g	J	-	Test channe	l	CH01	
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	1207.093	34.41	-5.81	28.60	74.00	45.40	Horizontal	PK
	2	2985.750	38.67	-0.04	38.63	74.00	35.37	Horizontal	PK
	3	4705.656	31.48	6.42	37.90	74.00	36.10	Horizontal	PK
	4	7065.937	31.77	14.34	46.11	74.00	27.89	Horizontal	PK
	Susp	ected Data	Liet	1			1		
	Ousp	Freq.	Reading	Factor	Level	Limit	Margin		
	NO.		[dBµV/m]					Polarity	Detector
		[MHz]		[dB]	[dBµV/m]	[dBµV/m]	[dB]		DI
	1	1232.062	34.90	-5.75	29.15	74.00	44.85	Vertical	PK
	2	3204.593	38.60	0.79	39.39	74.00	34.61	Vertical	PK
	3	4787.906	30.76	6.97	37.73	74.00	36.27	Vertical	PK
	4	7465.437	31.77	15.40	47.17	74.00	26.83	Vertical	PK
е			802.11g)	-	Test channe	I	CH06	
	Susp	ected Data	Liet						
	Casp	Freq.	Reading	Factor	Level	Limit	Margin		
	NO.		[dBµV/m]				-	Polarity	Detector
		[MHz]		[dB]	[dBµV/m]	[dBµV/m]	[dB]		
	1	1301.093	34.65	-5.57	29.08	74.00	44.92	Horizontal	PK
	2	2991.625 4776.156	37.36 31.72	-0.07	37.29	74.00 74.00	36.71 35.39	Horizontal	PK
	4	7513.906	32.99	15.47	38.61 48.46	74.00	25.54	Horizontal Horizontal	PK PK
		1		13.47	40.40	74.00	23.34	Tionzontai	FK
	Susp	ected Data							
	NO.	Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
		[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
	1	1174.781	36.06	-6.10	29.96	74.00	44.04	Vertical	PK
	2	3238.375	39.04	0.38	39.42	74.00	34.58	Vertical	PK
	3	5000.875	31.52	7.86	39.38	74.00	34.62	Vertical	PK
	4	7083.562	31.60	14.39	45.99	74.00	28.01	Vertical	PK
Э			802.11g	J	-	Test channe	I	CH11	
	Susp	ected Data	l ist						
	Casp	Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	4							L La vizza esta l	DIC
	1	1304.031	34.69	-5.57	29.12	74.00	44.88	Horizontal	PK
	2	3201.656 4893.656	35.56 31.12	0.82	36.38 38.29	74.00 74.00	37.62 35.71	Horizontal Horizontal	PK PK
	4	7406.687	30.44	15.37	45.81	74.00	28.19	Horizontal	PK
	-	7400.007	50.44	15.57	45.01	74.00	20.13	TIONZONIA	ΓK
	Suspe	ected Data	List						
	NO	Freq.	Reading	Factor	Level	Limit	Margin	Delevity	Detecto
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	1168.906	34.71	-6.16	28.55	74.00	45.45	Vertical	PK
	2	3178.156	37.97	0.73	38.70	74.00	35.30	Vertical	PK
		4007.007	31.81	7.84	39.65	74.00	34.35	Vertical	PK
	3	4997.937	01.01						

		802.11	n(HT20)		Test channe	I	CH01	
Susp	ected Data	List						
			Factor	Level	Limit	Margin		
NO.		_				-	Polarity	Detector
1							Horizontal	PK
							-	PK
				-				PK
							-	PK
		l	0.00	41.24	14.00	02.10	Honzontai	
Suspe	ected Data	List						
NO	Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
110.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	1 Olarity	Deteolor
1	1240.875	34.03	-5.72	28.31	74.00	45.69	Vertical	PK
2	3192.843	37.72	0.80	38.52	74.00	35.48	Vertical	PK
3	4883.375	30.53	7.16	37.69	74.00	36.31	Vertical	PK
4	6660.562	31.29	13.34	44.63	74.00	29.37	Vertical	PK
							0	
		802.11	n(HT20)		l est channe		CH06	
Suspe	ected Data	List						
			Eactor	Level	Limit	Margin		
NO.		-				-	Polarity	Detector
								DI/
								PK
								PK
								PK
	1 1		15.43	40.09	/4.00	27.31		PK
Susp	ected Data							
NO	Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
110.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	1 Clarity	Detector
1	1171.843	35.98	-6.13	29.85	74.00	44.15	Vertical	PK
2	3195.781	38.01	0.82	38.83	74.00	35.17	Vertical	PK
3	4705.656	31.13	6.42	37.55	74.00	36.45	Vertical	PK
4	6647.343	31.23	13.30	44.53	74.00	29.47	Vertical	PK
		802.11	n(HT20)		Test channe	9	CH11	
0	to al D t	1 - 4						
Suspe			_					
NO.		-					Polarity	Detector
	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
1	1207.093	34.15	-5.81	28.34	74.00	45.66	Horizontal	PK
2	3092.968	35.85	0.29	36.14	74.00	37.86	Horizontal	PK
3	4999.406	32.27	7.85	40.12	74.00	33.88	Horizontal	PK
4	7562.375	31.31	15.70	47.01	74.00	26.99	Horizontal	PK
Suspe	ected Data	List						
	Freq.	Reading	Factor	Level	Limit	Margin	P 1	
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
1	1168.906	34.78	-6.16	28.62	74.00	45.38	Vertical	PK
	1100.000						Vertical	PK
1	2987 218	40.40	-0.05	40.35	74 (10)	.5.5 0.2		
2	2987.218 4799.656	40.40 30.45	-0.05 7.05	40.35 37.50	74.00 74.00	33.65 36.50	Vertical	PK
	NO. 1 2 3 4 Suspe NO. 1 2 3 4 NO. 1 2 3 4 Suspe NO. 1 2 3 4 3 4	NO. Freq. [MHz] 1 1236.468 2 3150.250 3 4511.781 4 5901.218 Susperted Data NO. Freq. [MHz] 1 1240.875 2 3192.843 3 4883.375 4 6660.562 NO. Freq. [MHz] 1 1207.093 2 3198.718 3 4995.000 4 7503.625 Susperted Data NO. Freq. [MHz] 1 1171.843 2 3195.781 3 4705.656 4 6647.343 Susperted Data NO. Freq. [MHz] 1 1171.843 2 3195.781 3 4705.656 4 6647.343 2 3092.968 3 4999.406 4 7562.375 <	Suspected Data List NO. Freq. [MHz] Reading [dBµV/m] 1 1236.468 33.76 2 3150.250 36.25 3 4511.781 31.77 4 5901.218 31.25 Suspected Data List NO. Freq. [MHz] [dBµV/m] 1 1240.875 34.03 2 3192.843 37.72 3 4883.375 30.53 4 6660.562 31.29 Reading [MHz] 1 1207.093 35.73 3198.718 NO. Freq. [MHz] [dBµV/m] 1 1207.093 35.73 2 3198.718 35.77 3 4995.000 31.43 4 7503.625 31.26 Suspected Data IMRE Reading 1 1171.843 35.98 3.195.781	Suspected Data List NO. Freq. [MHz] Reading [dBµV/m] Factor [dB] 1 1236.468 33.76 -5.74 2 3150.250 36.25 0.58 3 4511.781 31.77 5.40 4 5901.218 31.25 9.99 Suspected Data List NO. Freq. [MHz] Reading (dBµV/m] Factor 1 1240.875 34.03 -5.72 2 3192.843 37.72 0.80 3 4883.375 30.53 7.16 4 6660.562 31.29 13.34 Suspected Data List NO. Freq. [MHz] [dBµV/m] [dB] 1 1207.093 35.73 -5.81 2 3198.718 35.77 0.83 3 4995.000 31.43 7.82 4 7503.625 31.26 15.43 Suspected Data List NO. Freq. [MHz] @dBµV/m] <	Suspected Data Ist NO. Freq. [MHz] Reading [dBµV/m] Factor Level [dBµV/m] 1 1236.468 33.76 -5.74 28.02 2 3150.250 36.25 0.58 36.83 3 4511.781 31.77 5.40 37.17 4 5901.218 31.25 9.99 41.24 Suspected Data Level [MHz] [dBµV/m] [dB] [dBµV/m] 1 1240.875 34.03 -5.72 28.31 2 3192.843 37.72 0.80 38.52 3 4883.375 30.53 7.16 37.69 4 6660.562 31.29 13.34 44.63 Suspected Data Itregu NO. Freq. Reading Factor Level [MHz] [dBµV/m] [dBµV/m] [dBµV/m] [dBµV/m] 1 1207.093 35.73 -5.81 29.92 3 3198.718 35.77 <	Image: Subjected Data List NO. Freq. [MHz] Reading (dBµV/m] Factor (dBµV/m] Level (dBµV/m] Limit (dBµV/m] 1 1236.485 33.76 -5.74 28.02 74.00 2 3150.250 36.25 0.58 36.83 74.00 3 4511.781 31.77 5.40 37.17 74.00 4 5901.218 31.25 9.99 41.24 74.00 Suspected Data List NO. Freq. [MHz] [dBµV/m] [dB] [dBµV/m] [dBµV/m] 1 1240.875 34.03 -5.72 28.31 74.00 2 3192.843 37.72 0.80 38.52 74.00 3 4883.375 30.53 7.16 37.69 74.00 4 660.562 31.29 13.34 44.63 74.00 1 1207.093 35.73 -5.81 29.92 74.00 2 3198.718 35.77 0.83 36.60 <td< td=""><td>Vertex vertex v</td><td>Suspected Data List No. Freq. [MHz] Reading [dBµ//m] Factor [dBµ//m] Level [dBµ//m] Limit [dBµ//m] Margin [dB] Polarity 1 1236.468 33.76 -5.74 28.02 74.00 37.17 Horizontal 2 3160.250 36.25 0.58 36.83 74.00 37.17 Horizontal 4 5901.218 31.25 9.99 41.24 74.00 32.76 Horizontal Supported Data List Terq. Reading (dBµ//m] Factor Level Limit Margin (dBµ//m] Polarity 1 1240.875 34.03 -5.72 28.31 74.00 36.31 Vertical 3 4883.375 30.53 7.16 37.69 74.00 36.31 Vertical 4 6660.562 31.29 13.34 44.63 74.00 36.31 Vertical 1 1207.093 35.77 0.53 36.60 74.00 37.40 Horizontal </td></td<>	Vertex v	Suspected Data List No. Freq. [MHz] Reading [dBµ//m] Factor [dBµ//m] Level [dBµ//m] Limit [dBµ//m] Margin [dB] Polarity 1 1236.468 33.76 -5.74 28.02 74.00 37.17 Horizontal 2 3160.250 36.25 0.58 36.83 74.00 37.17 Horizontal 4 5901.218 31.25 9.99 41.24 74.00 32.76 Horizontal Supported Data List Terq. Reading (dBµ//m] Factor Level Limit Margin (dBµ//m] Polarity 1 1240.875 34.03 -5.72 28.31 74.00 36.31 Vertical 3 4883.375 30.53 7.16 37.69 74.00 36.31 Vertical 4 6660.562 31.29 13.34 44.63 74.00 36.31 Vertical 1 1207.093 35.77 0.53 36.60 74.00 37.40 Horizontal

ype			802.11n	(HT40)		Test chanr	nel	CH03	
	Susp	ected Data	List						
	NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
	1	1152.750	35.58	-6.33	29.25	74.00	44.75	Horizontal	PK
	2	3120.875	38.04	0.43	38.47	74.00	35.53	Horizontal	PK
	3	4892.187	31.31	7.17	38.48	74.00	35.52	Horizontal	PK
	4	6914.656	31.32	14.11	45.43	74.00	28.57	Horizontal	PK
	Susp	ected Data	List						
		Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	1116.031	35.84	-6.72	29.12	74.00	44.88	Vertical	PK
	2	3175.218	38.11	0.71	38.82	74.00	35.18	Vertical	PK
	3	4986.187	31.51	7.76	39.27	74.00	34.73	Vertical	PK
	4	7440.468	31.64	15.39	47.03	74.00	26.97	Vertical	PK
be			802.11n	(HT40)		Test chann	nel	CH06	
	0			. ,					
	Susp	ected Data	Reading	Factor	Level	Limit	Margin		
	NO.	Freq.	-				Margin	Polarity	Detector
		[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
	1	1208.562	34.08	-5.81	28.27	74.00	45.73	Horizontal	PK
	2	3122.343	35.68	0.44	36.12	74.00	37.88	Horizontal	PK
	3	4990.593	32.43	7.79	40.22	74.00	33.78	Horizontal	PK
	4	7493.343	32.05	15.41	47.46	74.00	26.54	Horizontal	PK
	Susp	ected Data	List						
	NO.	Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
	1.0.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	rolanty	Detector
	1	1183.593	34.73	-6.00	28.73	74.00	45.27	Vertical	PK
	2	3198.718	38.04	0.83	38.87	74.00	35.13	Vertical	PK
	3	4795.250	30.79	7.02	37.81	74.00	36.19	Vertical	PK
	4	6647.343	31.29	13.30	44.59	74.00	29.41	Vertical	PK
е			802.11n	(HT40)		Test chann	nel	CH09	
	Such	ected Data	List						
	Jusp	Freq.	Reading	Factor	Level	Limit	Margin		
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	1164.500	35.31	-6.21	29.10	74.00	44.90	Horizontal	PK
	2	3122.343	36.04	0.44	36.48	74.00	37.52	Horizontal	PK
	3	4865.750	30.87	7.14	38.01	74.00	35.99	Horizontal	PK
	4	6606.218	30.93	13.17	44.10	74.00	29.90	Horizontal	PK
	Susp	ected Data	List						
	NO	Freq.	Reading	Factor	Level	Limit	Margin	Dolority	Detector
	NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	1	1182.125	34.94	-6.02	28.92	74.00	45.08	Vertical	PK
		3053.312	37.99	0.11	38.10	74.00	35.90	Vertical	PK
	2								
	3	4977.375	31.53	7.70	39.23	74.00	34.77	Vertical	PK

6. TEST SETUP PHOTOS

Radiated Emission

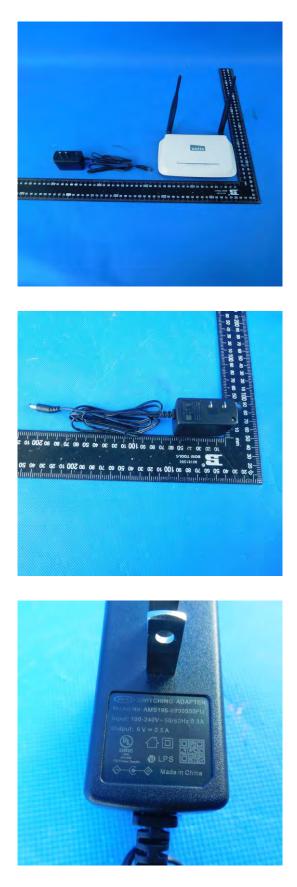


AC Conducted Emission



7. EXTERANAL AND INTERNAL PHOTOS

External Photo





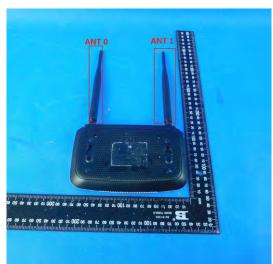




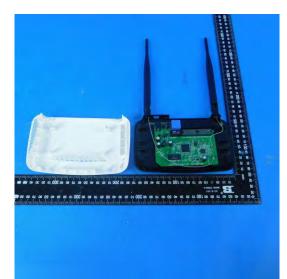
Shenzhen Huatongwei International Inspection Co., Ltd.

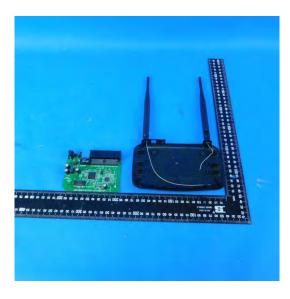




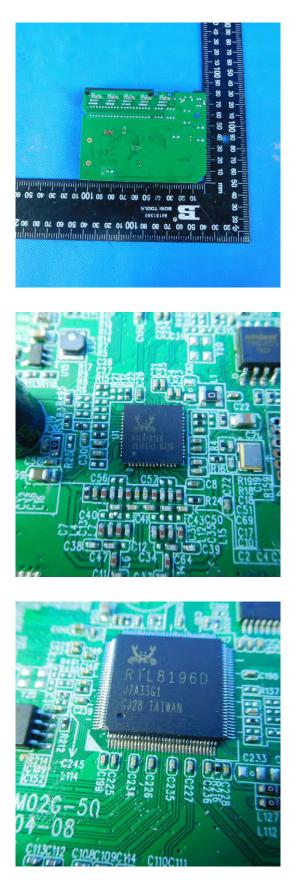


Internal Photo









8. APPENDIX REPORT

APPENDIX REPORT

Project No.	SHT1912060301EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT19120603005	Model No.	WF2419
Start test date	2019/9/11	Finish date	2019/9/11
Temperature	25°C	Humidity	50%
Test Engineer	Ximing.Huang	Auditor	William . wang

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

Appendix A: Conducted Peak Output Power

Туре	Channel	Output po	wer (dBm)	Total Power	Limit	Result
туре	Channel	Antenna 0	Antenna 1	(dBm)	(dBm)	Result
	01	19.76	20.46			
802.11b	06	19.60	21.32		≤30.00	Pass
	11	19.49	20.37			
	01	19.81	19.48			
802.11g	06	19.80	19.46		≤30.00	Pass
	11	19.70	19.29			
	01	19.97	19.62	22.81		
802.11n(HT20)	06	20.03	19.66	22.86	≤30.00	Pass
	11	19.85	19.43	22.67		
	03	18.88	19.85	22.44		
802.11n(HT40)	06	18.81	19.76	22.34	≤30.00	Pass
	09	18.78	19.63	22.23		

		Power Spectral De	nsity (dBm/30KHz)	Total Power	Limit	
Туре	Channel	Antenna 0	Antenna 1	Spectral Density (dBm/30KHz)	(dBm/ 3KHz)	Result
	01	0.90	1.72			
802.11b	06	0.88	1.70		≤8.00	Pass
	11	0.77	1.55			
	01	-5.64	-5.98			
802.11g	06	-5.56	-5.97		≤8.00	Pass
	11	-5.65	-6.21			
	01	-5.09	-5.38	-2.22		
802.11n(HT20)	06	-4.93	-5.35	-2.12	≤8.00	Pass
	11	-5.03	-5.58	-2.29		
	03	-9.51	-8.75	-6.07		
802.11n(HT40)	06	-9.45	-8.78	-6.09	≤8.00	Pass
	09	-9.53	-8.69	-6.08		

02.11 b	Antenna 0
	Spectrum The sector of the secto
	19k Max M1[1] 0.90 dBm 2;4126710 GHz
	O days
CH01	-20 dBm
	-40 dBm
	-50 d8m
	CF 2.412 GHz 691 pts Span 16.0 MHz
	Date: 25 DEC 2019 10:0048 Spectrum []] Ref Level 20:00 dBm Offset 1:00 dB RBW 30 kHz Att 30 dB SWT 126:4 µs VBW 100 kHz Mode Auto FFT
	Count 100/200
	O dBm
CH06	-20 dBm
	-40 dBm -50 dBm-
	-50 dBm
	CF 2.437 GHz 691 pts Span 16.0 MHz
	Date: 25 DEC 2019 105250
	Att 30 dB SWT 126.4 µs ¥ VBW 100 kH2 Mode Auto FFT Count 100/100 9 IPk Max MILLI 0.77 dBm
CH11	10 dBm
	-10 d800 m 20 m
	-30 dBm
	-50 dBm
	-70 d8m CF 2.462 CHz 691 pts Span 16.0 MHz
	Date: 25 DEC 2019 1055:02

802.11 b	Antenna 1
	Spectrum Image: Construction of the sector of
CH01	10 dBm
	O dBm
	-20 dBm
	-40 dBm
	-60 d8m
	CF 2.412 CHz 691 pts 8pan 16.0 MHz
	Spectrum Image: Construct of the system of th
	O dBm
CH06	-20 dBm
	-40 dBm
	-60 d8m
	CF 2.437 GHz 691 pts Span 16.0 MHz
	Spectrum Image: Construction of the second se
CH11	10 dBm
	0 dBm -10 dBm- -20 dBm- -20 dBm-
	-20 dam-
	-50 d8m
	-70 dBm CF 2.462 CHz 691 pts Span 16.0 MHz

02.11 g	Antenna 0
	Spectrum (Ξ) Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Count 100/100 Count 100/100 VBW 100 kHz Mode Auto FFT
	19k. Max 10 dBm 10 dBm
	0 dBm
CH01	-20 dBm
	-50 dBm
	-70 dBm CF 2.412 GHz 691 pts Span 25.0 MHz
	Date: 25 DEC 2019 1058599 Spectrum Ref Level 20.00 dBm Offset 1.00 dB ⊕ RBW 30 kHz
	Att 30 dB SWT 199.6 µs VBW 100 Hz Mode Auto FFT Count 100/100 6 IFk Max M1[1] -5.56 tBm 2,4363490 GHz 90 GHz 90 GHz
	10 dBm
CH06	-20 dBm
	-50 dBm
	-50 dBm
	CF 2.437 GHz 691 pts Span 25.0 MHz
	Spectrum (Ξ) Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz (Ξ) Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100 Count
	0 dBm
CH11	-30 dBm - UM/ ¹⁰
	-50 dBm
	-70 dBm CF 2.462 GHz 691 pts Span 25.0 MHz
	-50 dBm

302.11 g	Antenna 1
	Spectrum (1) RefLevel 20.00 dbm Offset 1.00 db + RBW 30 kHz Att 30 db SWT Sourt 100/100
	0 dBm- main man man man man man man man man man ma
CH01	-20 dBm
	-40,58m
	-60 d8m
	CF 2.412 CHz 691 pts Span 25.0 MHz
	Date: 25.DEC.2019 11.30.39 Spectrum Ref.evel 20.00 dbm Offset 1.00 db @ RBW 30 kHz
	Att 30 dB SWT 189.6 µs w VBW 100 kHz Mode Auto FFT Count 100/100 ●1Pk Max M1[1] -5.97 dBm 2.4563490 GHz
	10 dBm
0.100	-20 dBm Wit
CH06	-30 dBm
	-50 dBm
	70 dBm 691 pts Span 25.0 MHz
	Spectrum Image: Constraint of the sector of th
CH11	10 dBm
	0 dam- / Aprilia and a mandra and a man a
	-20 dam
	-10.08m
	-60 dBm-
	CF 2.462 CHz 691 pts Span 25.0 MHz

)2.11 n(H20)	Antenna 0
	Spectrum The section of th
	Count 100/100 IPk Max
	M1[1] -5.09 dBm 2.4126150 GHz
	10 dBm-
	0 dBm - 10 dBm - 40/04/14/14/04/04/04/04/04/04/04/04/04/04/04/04/04
CH01	-20 dBm - Mu
CHUI	-30 dam and the second se
	-50 dBm-
	-60 dBm
	-70 dBm
	CF 2.412 GHz 691 pts Span 25.0 MHz
	Date 25.0EC.2019 11.01.98
	Spectrum 🕎
	Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 µs VBW 100 kHz Mode Auto FFT
	Count 100/100 P1Pk Max
	M1[1] -4.93 dBm 2.4976150 GHz
	10 abr ADDA ADDA ADDA ADDA ADDA ADDA ADDA AD
CH06	w ^{pl}
	as damating the second se
	-50 dBm
	-60 d8m
	-70 d8m
	GF 2.437 GHz 691 pts Span 25.0 MHz
	Date: 25 DEC 2019 11:07 13
	Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz
	Att 30 dB SWT 189.6 µs VBW 100 kHz Mode Auto FFT Count 100/100
	●1Pk Max M1[1] -5,03 dBm
	10 dBm 2.4626150 GHz
	0 dBm- MANA (MHANA 14 MA 10 MANA 14 MA
	-20 demAMAAMAAAAAAAAAAAAAAAAAAAAAAAAAAAA
	-20 dBm-
CH11	-30 UBIN 11
	-so dam make
	-50 dBm
	-60 d8m
	-70 d8m-
	CF 2.462 GHz 691 pts Span 25.0 MHz
	1 40 H

2.11 n(H20)	Antenna 1
	Spectrum The sector of the secto
	Count 100/100
	M1[1] -5.38 dBm 2.4126150 GHz
	10 dam
	0 dBm Addred Mildra and real and read and real and read and read and read and read and read and read a
	-10 dBm Adrighthy straty and a straty prostal water appendix and
	20 dBm M
CH01	-30.00m m
	149/dism Way
	-50 dBm-
	-60 d8m
	-70 dBm
	CF 2.412 GHz 691 pts Span 25.0 MHz
	Date: 25/DEC 2019 11:36:12
	Spectrum (200) Ref Level 20.00 dBm Offset 1.00 dB ⇒ RBW 30 kHz
	Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100
	●1Pk Max M1[1] -5.38 dBm
	10 dBm
	0 dBm-
	-10 dam Ally Marting representing the main provide and the second provided and the second sec
	-20 dBm
CH06	-30 dBm
	-20 dam Mul
	-50 dBm
	-60 d8m
	-70 dBm
	CF 2.437 CHz 691 pts Span 25.0 MHz
	Date: 25 DEC 2019 15 24 24
	Spectrum (100 dB → RBW) 30 kHz (100 dB → RBW)
	Att 30 dB SWT 189.6 µs VBW 100 kHz Mode Auto FFT Count 100/100
	• 1Fk Max • • • • • • • • • • • • • • • • • • •
	10 dBm
	0 dBm-
	-20 dam where all a second and a
CH11	
	-30 dam Marine Stranger
	-50 dBm
	-60 d8m
	-70 d8m
	CF 2.462 GHz 691 pts Span 25.0 MHz

802.11 n(H40)	Antenna 0
	Spectrum (₩) RefLevel 20.00 dBm Offset 1.00 dB = RBW 30 kHz Att 30 dB SWT 442;4 µs VBW 100 kHz Mode Auto FFT Court 100/100 Autor FFT Court 100/100 Autor FFT Court 100/100 Autor FFT
	0 dBm
CH03	-30 d8m
	-50 dBm
	-70. dBm CF 2.422 CHz 691 pts Span 55.0 MHz
	Date: 25.0002.2019 11:11:10
	RefLevel 20,00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442,4 µs WBW 100 kHz Mode Auto FFT Count 100/100 6 IPk Max MILLI -9,45 dBm -9,45 dBm
	10 dBm 2.4403430 GHz
0.100	-10 d8m-
CH06	-30 d8m
	-50 dbm
	CF 2.437 GHz 691 pts 8pan 55.0 MHz
	Date: 25 DEC 2019 11:12:53 Image: 25 DEC 2019 11:12:53 Spectrum Image: 25 DEC 2019 11:12:53 Ref Level 20.00 dBm: Offset 1.00 dB ← RBW 30 kHz
CH09	Att 30 dB SWT 442.4 µs VBW 100 kHz Mode Auto FFT Count 100/100 ● 1Pk Max 10 dBm 10 dBm
	0 dBm
	-20 dBm
	-40 dBm
	-00 dem
	CF 2.452 CHz 691 pts Span 55.0 MHz

02.11 n(H40)	Antenna 1
	Spectrum Image: Constraint of the section of the sectio
CH03	
	0 dBm
	-20 dBm
	-40 dBm
	-60 d8m
	CF 2.422 GHz 691 pts Span 55.0 MHz) 0 40
	Date: 25.DEC.2019 1531:04 Spectrum RefLevel 20.00 dBm Offset 1.00 dB ∈ RBW 30 kHz Att 30 dB SWT 442:4 µs ♥ VBW 100 kHz Mode Auto FFT
	Count 100/100 PIPk Max M1[1] -B.78 dBm 2.4026220 GHz
	10 dbm-
CH06	-10 dBm
Child	-30 dBm
	-60 d8m
	-70 dBm
	Date: 25.DEC2019 163259
	RefLevel 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100 1Pk Max
	10 dbm
	-10 dBm
CH09	-30 d8m
	-50 gBm
	-70 dBm CF 2.452 GHz 691 pts Span 55.0 MHz
	CF-2.452 GHz 591 pts 59an 55.0 MHz C

Turne	Channel	6dB Bandw	ridth (MHz)	Limit (kHz) Result	
Туре	Channel	Antenna 0	Antenna 1	Limit (kHz)	Result
	01	10.11	10.11		
802.11b	06	10.11	10.11	≥500	Pass
	11	10.11	10.14		
	01	16.62	16.65		
802.11g	06	16.65	16.65	≥500	Pass
	11	16.62	16.62		
	01	17.85	17.88	≥500	
802.11n(HT20)	06	17.88	17.85		Pass
	11	17.88	17.85		
	03	36.54	36.54		
802.11n(HT40)	06	36.54	36.54	≥500	Pass
	09	36.54	36.60		

Appendix C: 6dB Bandwidth

302.11 b	Antenna 0
	Spectrum Image: Spectrum Ref Level 20.50 dBm Offset 1.00 dB = RBW 100 HHz Att 30 dB SWT 75.9 µs VBW 300 HHz Count 500/500
CH01	0 IFk View 0.18 dBm 10 dBm 10 dBm 0 dBm 01 0.227 dBm
	-10 dBm -20 dBm -30 dBm -40 dBm
	-50 dBm V V
	Marker Y-value Y-value Function Function Result M1 1 2,40693 GHz 0.10 dbm Function Function Result M2 1 2,41299 GHz 6.23 dbm D3 M1 1 0.10 dbm
	Date: 25/05/23/9 1054/07
	Att 30 dB SWT 75.9 µs WBW 300 kHz Node Auto FFT Count 500/S00 0.90 kHz 0.90 kHz 0.90 kHz 0.90 kHz 0.10 kBm 0.90 kHz 0.90 kHz 0.90 kHz 0.90 kHz 10 dBm 0.90 kHz 0.90 kHz 0.90 kHz 0.90 kHz
	DI D.JAL dam ML ALANY TALANA (D.) 2.4374800 GHZ -10 dam20 dam
CH06	-50 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 2.43193 GHz 0.26 dBm 0.26 dBm
CH11	Date: 25 DEC 2019 105208 Spectrum Image: Spectrum Image: Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 HHz Att 30 dB SWT 75.9 µs WBW 300 HHz
	Court 500/500
	-10 dBm20 dBm
	-30 dga 74 / 14 / 14 / 14 / 14 / 14 / 14 / 14 /
	-70 dBm CF 2.462 GHz 1001 pts Span 30.0 MHz Marker Type Ref Trc X-value Function Function Result M1 1 2.45693 GHz 0.17 dbm Function Function Result
	M2 1 2.46248 GHz 6.25 dBm D3 M1 1 10.11 MHz -1.06 dB Date: 25 EEC:2019 105429

2.11 g	Antenna 0
	Spectrum The section The section Ref Level 20.50 dBm Offset 1.00 dB RBW 100 HHz Att 30 dB SWT 75.9 µs VBW 300 HHz
	Count 500/500
	10 dBm
	14111 2-4094800 GHz
	0 dBm - 1 - 2,650 dBm - 1 - 2,
	-20 dam
CH01	-40 dam/d ^{4/21}
	nst tim
	-60 dBm
	-70 dBm-
	CF 2.412 CHz 1001 pts Span 30.0 MHz
	Marker Ype Ref Trc X-value Y-value Function Function Result M1 1 2.40366 GHz -10.04 dbm Function Function Result M2 1 2.40366 GHz -2.95 dbm Function Function Result D3 M1 1 16.62 MHz 1.14 dB Function Function Result
	Dates 25 EEC 2019 1058 19
	Spectrum 📅
	Ref Level 20.50 dBm Offset 1.00 dB RBW 100 Hz Att 30 dB SWT 75.9 VBW 300 Hz Mode Auto FFT
	Count 500/500 IPk View
	10 dBm
	0 40 m 2.4411100 GHz
	-10 dbm - 01 -9,731 dbm
	-20 dBm
	-30 dBm
CH06	-40 dBm-/***
01100	Mag diam
	-60 d8m-
	-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 2.42866 GHz -8.97 dBm M2 1 2.44111 GHz -2.73 dBm D3 M1 1 16.65 MHz -2.24 dB
	Date 25 DEC 2019 105805
	Spectrum 2
	Ref Level 20.50 dBm Offset 1.00 dB RBW 100 HHz Att 30 dB SWT 75.9 µs VBW 300 kHz Mode Auto FFT
	Count 500/500
	M1[1] -8.97 dBre 2 4586600 GHz
	10 dgm M2[1]75 dHm
	a all martine and a second and
	-20 dBm
01144	and the second se
СН11	
CH11	200 UDIN 1 20/here
CH11	180 dBm
CH11	-50 dam
CH11	-50 dam
CH11	-60 dam -60 dam -70 dam -70 dam CF 2.462 GHz 1001 pts Span 30.0 MHz Marker
CH11	-60 dsm -60 dsm -70 dsm -70 dsm OF 2.462 GHz 1001 pts Marker -70 dsm Type [Ref Trc X-value Y-value Function Marker -8.97 dsm
CH11	-60 d8m -70 d8m -70 d8m -70 d8m -70 d8m -70 d8m CF 2.462 GHz 1001 pts Span 30.0 MHz Marker Type [Ref Trc X-value Y-value Function Function Result

2.11n(HT20)	Antenna 0		
	Spectrum Image: Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 HHz Att 30 dB SWT 75.9 µs VBW 300 HHz Count 500/500 VBW 75.9 µs VBW 300 HHz		
	1Pk View M1[1] -8,47 (But) 1000000 Cite		
	10 dBm M2[1] -2.34 dBm		
	0 dBm- -10 dBm- 01 -8 341 mm-		
	-20 dBm		
	-30 dBm		
CH01	-40 dampt		
	Jødridem		
	-60 d2m-		
	-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 2,40306 GHz -8.47 dBm M2 1 2,40909 GHz -2.34 dBm D3 M1 1 17.85 MHz -0.82 dB		
	Date: 25 DEC 2019 11:01:22		
	Spectrum via lun of the state o		
	Ref Level 20.50 dbm Offset 1.00 db RBW 100 HH: Att 30 8 SWT 75/9 ys VBW 300 kH: Mode Auto FFT Count 500/500 KH: Node Auto FFT Auto FFT		
	Other stores of the view Miltil -10.75 dBm		
	10 dBm		
	0 dBm- 0/2 2.4340900 GH2		
	-10 d8m - 01 -9.306 d6m		
	-20 dam human		
CH06	-30 dBm		
	-50 BBIT		
	-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 2.42403 GHz -10.75 dBm M2 1 2.43409 GHz -2.31 dBm D3 M1 1 7.88 MHz 1.90 dB		
)[0 0 40		
	Date: 25 DEC 2019 11/08/33		
	Spectrum		
	Ref Level 20.50 ddm Offset 1.00.db RBW 100 Hz Att 30 dB SWT 75/9 µs VBW 300 kHz Mode Auto FFT Count 500/500 S00/500 KHZ Node Auto FFT		
	Count source ●1Pk View ●1Pk View ●1Dk View ●1Dk View		
	10 dBm 2.4530000 GHz M2[1] -2.52 dBm		
	0 dBm- //2 2.4566000 GHz		
	-10 tBm - D1 -8:019 tBm		
	-20 dam		
CH11	-30 dBm		
	-40 DB/h /		
	-60 dam-		
	-70 dBm		
	CF 2.462 CHz 1001 pts Span 30.0 MHz		
	Marker Type Ref Trc X-value Y-value Function Function Result		

02.11n(HT40)	Antenna 0
	Spectrum [723] Ref Level 20.50 dBm Offset 1.00 dB # RBW 100 kHz [723] Att 30 dB SWT 132.7 µS # VBW 300 kHz Mode Auto FFT Count 500/500
	● 19k View M1[1] -13.27 dBm
	10 dBm M2[1] -6.54 dBm
	0 dBm 2.4254800 GHz
	-10 dBm 01 - 12 537 dBm
	-20 dam-
	-30 dBm
CH03	-40 d8m //
	50 demandre Martine Martine Control Co
	-60 dBm-
	CF 2.422 CHz 1001 pts Span 60.0 MHz
	Marker
	Type Ref Trc X-value Y-value Function Function Result M1 1 2.4037 GHz -13:27 dBm
	D3 M1 1 36.54 MHz ~0.03 d8
	Date 25 DEC 2019 11:10:17
	Spectrum (T)
	RefLevel 20,50 dBm Offset 1,00 dB # RBW 100 kHz
	■ Att 30.88 SWT 1327.7 μs ■ VBW 300 kHz Mode Auto FFT Count 500/500 ● The View
	M1[1] -13.39 dBm 2 4182000 CHz
	10 dem
	U dBm
	-10 dam - 01 -12.823 dam - 01 -12.833 dam
	-30 dam
CH06	-40 dBm /
01100	59, d80, -44 - 44 - 44 - 44 - 44 - 44 - 44 - 4
	-60 dam-
	-70 dBm-
	CF 2.437 GHz 1001 pts Span 60.0 MHz Marker
	Type Ref Trc X-value Y-value Function Function Result M1 1 2.4187 GHz -13.39 dBm -13.39 dBm -13.39 dBm
	M2 1 2.4391 GHz ~6.83 dBm D3 M1 1 36.54 MHz 0.23 dB
	Date: 25/DEC/2019 11:12:23
	Spectrum
	RefLevel 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 µs VBW 300 kHz Mode Auto FFT Count 500/500
	● TPk. View Mt[1] -13.51 dBm
	10 dBm 10 dBm 12 4337000 GHz
	0 dBm- M2 2.4554800 GHz
	-10 dBm 01 - 12.30 dBm
	-20 d8m-
01100	-30 dam
CH09	-40 dBm
	-50 dan se turi Mayan ang turi Kalan se turi s
	-60 dBm-
	Marker
	Type Ref Trc X-value Y-value Function Function Result M1 1 2.4337 GHz -13.51 dBm 1 1.5349 GHz -6.39 dBm 1
	D3 M1 1 36.54 MHz -0.11 dB

2.11 b	Antenna 1
	Spectrum 🕎
	Ref Level 20,50 dBm Offset 1.00 dB RBW 100 HHz Att 30 dB SWT 75.9 µs VBW 200 HHz Mode Auto FFT
	Count \$00/500
	M1[1] 1.01 dBm
	10 dBm 112 2.1069000 GHz 10 dBm 12.19 dBm 2.19 dBm 11 12 12 12 12 12 12 12 12 12 12 12 12 1
	U dBm 01 J.Je9 dBm MI LALANCH ALLAND 2.412400 GHz
	-10 dBm Jack V
	-20 dBm
	-30 dBD the
CH01	dBm
	-50 dBm
	-60 dBm-
	-70 dBm-
	CF 2.412 CHz 1001 pts Span 30.0 MHz
	Marker Type Ref Trc X-value Y-value Function Function Result
	Mil 1 2.4093 GHz 1.01 dbm M2 1 2.41249 GHz 7.19 dbm
	D3 M1 1 10.11 MHz -0.40 dB
	00 m 40
	Date: 25.DEC.2019 11:1949
	Spectrum
	Ref Level 20,50 dBm Offset 1.00 dB RBW 100 HHz Att 30 dB SWT 75,9 µs VBW 300 HHz Mode Auto FFT
	Count 500/500 1Pk View
	M1[1] -1.11 dBm 2.4319900 GHz
	10 dBm M2[1] 4.91 dBm M2[1] 4.91 dBm M2[1] 2.4374600 GH2
	n dBm p1 -1,087 dBm the
	-10 dam
	-20 dam
01100	-30 dam
CH06	-90 ⁴ 88m
	-50 dBm
	-60 dBm-
	-70 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 -1.11 dBm M2 1 2.43748 GHz 4.91 dBm
	D3 M1 1 10.11 MHz -0.62 d8
	Date: 25.05C.2019 11:23:31
	Spectrum (100 dB = RBW 100 HHz Ref Level 20.50 dBm Offset 1.00 dB = RBW 100 HHz
	Att 30 dB SWT 75.9 µs VBW 300 kHz Mode Auto FFT Count 500/500
	1Pk View
	10 dBm N2 10 dBm
	M2 reproved / Automa, 03 2.4609800 GH2
	-10 dBm
	-20 dBm
	Y I I I I I I I I I I I I I I I I I I I
	-30 depart /
01144	140 dBm
CH11	EQ dDay
CH11	-50 dBm
CH11	-60 dBm
CH11	
CH11	-60 dBm
CH11	-60 dBm
CH11	-60 dBm -70
CH11	-60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 gBm -70

2.11 g	Antenna 1
	Spectrum Image: Spectrum<
	Count 500/500 ● 19k View
	10 dBm
	1 4Bm M_ 2.4161400 GHz
	-10 dBm 01 - 7,123 dB
	-20 dam
	-30 dBm
CH01	-10 data
	-50 dBm
	-60 dBm
	-70 dBm
	CF 2.412 CHz 1001 pts Span 30.0 MHz Marker
	Type Ref Trc X-value Y-value Function Function Result M1 1 2,40366 GHz -7.51 dbm -7.51 dbm -7.51 dbm
	M2 1 2,41614 GHz -1.19 dBm D3 M1 1 16.65 MHz -2.12 dB
	C
	Date: 25 DEC:2019 11:29:09
	Spectrum (100 db) Ref Level 20.50 dbm Offset 1.00 db) RBW 100 Hz
	Att 30 dB SWT 75.9 µs VBW 300 kHz Mode Auto FFT Count \$00/500
	@1Pk View M1[1] -10.77 dBm
	10 d8m
	0 dBm Motoreautor
	-10 dBm 01 -9207 dBm
	-20 dam
CH06	-30 dam
	-40 dBm/ -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 2.42986 OH z -10.77 dtm M2 1 2.44114 GH z -3.21 dtm D3 M1 1 16.65 MHz -1.05 dta
	US MIL I 10.05 MHZ -1.05 08
	Date: 25DEC2019 11.31:48
	Spectrum 🕎
	Ref Level 20.50 dBm Offset 1.00 dB RBW 100 Hz Att 30 dB SWT 75.9 VBW 300 Hz Mode Auto FFT
	Count \$00/500 IPk View
	10 dBm
	M2 2.4661100 GH2
	10 dBm - 01 -9/195 dBm - 01 -9
	-20 dBm
	-20 dam -30 dBm
CH11	-40 dam
	-60 dBm
	-70 dBm
	CF 2.462 GHz 1001 pts Span 30.0 MHz Marker
	Type Ref Trc X-value Y-value Function Function Result
	M1 1 2,45366 GHz -9.48 dBm
	Mi 1 2.45366 GHz -9.49 dBm Function M2 1 2.46511 GHz -3.20 dBm -3.20 dBm D3 M1 1 16.62 MHz 0.12 dB

802.11n(HT20)	Antenna 1
	Spectrum Image: Constraint of the sector of th
CH01	
	-10 dam 01. 5.795 dam
	-40 dam
	-70 dBm CF 2.412 GHz 1001 pts Span 30.0 MHz Marker Type Ref Trc X-value Y-value Function Function Result MI 1 2.40303 GHz -11.10 dBm
	M1 1 2.40303 GHz -11.10 dBm M2 1 2.40909 GHz -2.80 dBm D3 M1 1 17.88 MHz 1.94 dB Date: 25 DEC:2019 11/34:65 468
	Spectrum mm Ref Level 20.50 dBm Offset 1.00 dB RBW 100 HHz T Att 30 dB SWT 75.9 µs VBW 300 HHz Mode Auto FFT Count 500/500 Count 500/500 SWT 75.9 µs VBW 300 HHz Mode Auto FFT
	In the first sector of the sector o
01100	-20 dBm - 0 L - 9/01 - 00m
CH06	-40 dgg/ 40 40 40 40 40 40 40 40 40 40 40 40 40
	CF 2.437 GHz 1001 pts Span 30.0 MHz Marker
	Type Ref Trc X-value Y-value Function Function Result M1 1 2.42406 GHz -8.96 68m - M2 1 2.42409 GHz -2.61 dBm - D3 M1 1 17.85 MHz -0.25 dB
CH11	Date: 25.DEC.2019 152350 Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 HHz Att 30 dB SWT 75.9 µs VBW 300 HH2 Mode Auto FFT
	Count 500/500
	0 dBm
	-50 dam
	-70 dBm CF 2.462 GHz 1001 pts Span 30.0 MHz Morker Type Ref Trc X-value Y-value Function Function Result
	M1 1 2.45306 GHz -9.10 dBm M2 1 2.45309 GHz -2.89 dBm O3 M1 1 17.85 MHz -0.45 dB

802.11n(HT40)	Antenna 1
	Spectrum The sector of the secto
CH03	
	0 dBm- -10 dBm- -20 dBm- -20 dBm- -20 dBm- -20 dBm- -20 dBm- -20 dBm- -20 dBm- -20 dBm- -20 dBm- -11 -12 400 dBm- -20 dBm-
	-30 dBm -40 dBm Modelaster
	-60 dBm
	Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2:4027 0Ht -14.25 dbm 1
	00 00 440 Date: 25 DEC:2019 15:29:00 100 440 Spectrum [110] 100
	Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 µs VBW 300 kHz Count 500/500 BWT 132.7 µs VBW 300 kHz O IPk View MILLI -12.15 dBm
	10 dBm 22.1197000 GHz 0 dBm 102 11 -5.5.6 dHm 0 dBm 102 11 -5.5.6 dHm 2.4292000 GHz
0.100	-20 dBm
CH06	-40 dBm
	-70 dBm
	M1 1 2:4187 oftet -12:15 dam M2 1 2:4929 oftet -5:63 dam D3 M1 1 36:54 MHz -0:05 da
	Date: 25 DEC 2019 1532 24
	Att 30 dB SWT 132.7 µs VBW 300 kHz Mode Auto FFT Count S00/S00
CH09	0 dBm- -10 dBm- 0.1 - 12.37 + dBm- (1-2)
	-20 dBm -30 dBm -40 dBm -40 dBm -40 dBm -40 dBm
	160 dBm-
	CF 2.452 GHz 1001 pts Span 60.0 MHz Marker Y-value Y-value Function M1 1 2.49364 GHz -14.55 dBm M2 1 2.44986 GHz -6.37 dBm
	D3 M1 1 36.6 MHz 1.81 d8 0000000000000000000000000000000000

Turne	Channel	99% Bandv	vidth (MHz)	Limit (kHz) Result	
Туре	Channel	Antenna 0	Antenna 1	Limit (kHz)	Result
	01	15.08	15.11		
802.11b	06	15.08	15.08	N/A	Pass
	11	15.08	15.11		
	01	16.78	16.90	N/A	
802.11g	06	16.99	16.90		Pass
	11	16.63	16.78		
	01	18.07	17.98		
802.11n(HT20)	06	17.92	17.92		Pass
	11	18.07	17.92		
	03	36.26	36.32		
802.11n(HT40)	06	36.26	36.32	N/A	Pass
	09	36.26	36.32		

Appendix D: 99% Bandwidth

Antenna 0
Spectrum Image: Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 µs VBW 1 MHz Mode Auto FFT Count 500/500 C
Other View M3[1] 8.35 dBm 10 dBm M3 0 cc Bw 15.074925075 MHz -10 dBm T1 M3 0 cc Bw 12.4124800 GHz
-20 dsm
-00 dBm -70 dBm CF 2.412 CHz 1001 pts Span 30.0 MHz Date 26 DEC 2019 13 28.07
Spectrum Image: Construction of the second sec
10 dBm M1[1] B.24 dBm 2.4374000 GHz 0 dBm 15.074923075 MHz -10 dBm M1 10 B.24 dBm -10 dBm 15.074923075 MHz
-20 dBm
-60 dBm -70 dBm CF 2.497 GHz 1001 pts Span 30.0 MHz
Date: 26 DEC: 2019 13/28/38 Spectrum Image: Spectrum Image: Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 Hz Att 30 dB SWT 25.3 µs VBW 1.0Hz Mode Auto FFT Count 500/500 Count SUF SUF SUF SUF SUF
10 dBm 11 10 10 dBm 11 10
-20 d8m-
-60 dBm -70 dBm -70 dBm CF 2.462 CHz 1001 pts Span 30.0 MHz
-

)2.11 g	Antenna 0
	Spectrum The sector of the secto
	●1Pk View
	10 dBm 0cc Bw 16,763216783 MHz
	0 dBm - manufacture and the man
	-10 dBm
	-20 dBm
CH01	-30 dBm
	+0 deh
	-50 dBm
	-60 dBm
	-70 dBm
	CF 2.412 GHz 1001 pts Span 30.0 MHz
	Date: 38DEC 2019 1329.24
	Spectrum (200) Ref Level 20.50 dBm Offset 1.00 dB ■ RBW 300 kHz
	■ Att 90 dB SWT 25.3 µs ■ VBW 1.MHz Mode Auto FFT Count 500/500 ● TPK View
	M1[1] 2,83 dBm 2,4384690 GHz
	10 dBm - Occ BW 16.993086993 MHz
	0 dBm - American Manufacture and
	-10 dBm-
01100	-20 dBm
CH06	-30 dBm
	-10.48m
	-50 d8m
	-60 dBm
	-70 dBm
	CF 2.437 GHz 1001 pts Span 30.0 MHz
	Date: 28DEC2019 1329.41
	Spectrum 💭
	Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 µs VBW 1.MHz Mode Auto FFT
	Count 500/500 IPk View
	10 dbm Occ Bw 16,83306633 MHz
	O dam
	-10 dBm
	-20 dBm
CH11	-20 UBIN
	-to dbm
	-50 dBm
	-50 dBm
	-70 dBm
	CF 2.462 GHz 1001 pts Span 30.0 MHz

2.11n(HT20)	Antenna 0
	Spectrum T
	RefLevel 20.50 dBm Offset 1.00 dB RBW 300 HHz Att 30 dB SWT 25.3 µs VBW 1.MHz Mode Auto FFT Count 500/500
	IPK View
	M1[L] 2.39 dBm 2.4160760 GHz
	10 dBm Occ Bw 18,071928072 MHz
	a dBm
	-10 dBm
	-20 dBm
CH01	-30 dBm
	+0.48m
	-50 dBm -
	-60 dbm
	-70 dBm
	CF 2.412 GHz 1001 pts Span 30.0 MHz
	Date: 26/DEC/2019 13:30:25
	Spectrum
	Ref Level 20.50 dBm Offset 1.00 dB RBW 300 iHz Att 30 dB SWT 25.3 ps VBW 1 MHz Mode Auto FFT
	Count 500/500
	M1[1] 2,72 dBm 2,4377190 GHz
	10 dBm 0 Coc Bw 17.922077922 MHz
	0 dBm - The way was have a way the
	-10 dBm
	-20 dBm
CH06	-30 dBm
	+0 dBm
	-50 dBm-
	-60 dBm
	-70 dBm -
	CF 2.437 GHz 1001 pts Span 30.0 MHz
	Date: 28/DEC/2019 13:30:39
	Spectrum 🕎
	Ref Level 20.50 dBm Offset 1.00 dB RBW 300 iHz Att 30 dB SWT 25.3 µs VBW 1 MHz Mode Auto FFT
	Count 500/500 ●1Pk View
	M1[1] 2.50 dBm 2.4571150 GHz
	10 dBm Occ BW 18,071928072 MH2
	0 dBm - The stand of the second stand stand of the second stand stand of the second stand stan
	-10 dBm
	-20 d8m
CH11	-30 dBm
	-+a digu
	-50 dBm-
	-60 d8m
	-70 dBm-
	CF 2.462 GHz 1001 pts Span 30.0 MHz

02.11n(HT40)	Antenna 0
	Spectrum Image: Constraint of the sector of th
	• Dur Study Study • Dur Study
	0 dBm
CH03	-30 dBm -40 dBm -50 dBm
	-60 dBm
	CF 2.422 CHz 1001 pts Span 66.0 MHz
	Spectrum Image: Spectrum </td
	Occ Bw
CH06	-10 dBm
	-30 dBm
	-60 dbm
	CF 2.437 GHz 1001 pts Spon 60.0 MHz
	Spectrum Image: Constraint of the sector of th
	M1[1] 1.16 dBm 10 dBm Occ Bw 36.263736264 MHz 0 dBm
СН09	-10 dBm
	-30 dBm
	-60 dBm
	CF 2.452 GHz 1001 pts Span 60.0 MHz

11 b	Antenna 1
	Spectrum 🕎
	Ref Level 20.50 dBm Offset 1.00 dB RBW 300 Hrz Att 30 dB SWT 25.3 µs VBW 1.MHz Mode Auto FFT
	Count \$00/500
	M1[1] 8.90 dBm
	10 dBm 24324800 GK2
	10 dBm O'CC BW LS.104895105 MHz
	ANN VINA
	-10 dBm
	-20 d8m
CH01	-30 dBin Alu
	-50 dBm
	-60 dBm
	-70 d8m-
	CF 2.412 GHz 1001 pts Span 30.0 MHz
	Date: 26/05/2019 133436
	Spectrum RefLevel 20.50 dBm Offset 1.00 dB ■ RBW 300 kHz
	Att 30 dB SWT 25.3 µs VBW 1 MHz Mode Auto FFT Count 500/500
	IPK View
	M1[1] B.75 dBm M1 2.4374000 GHz
	-10 dBm
	-20 dBm
CH06	N VI
CHUO	-30 gen Ag
	-40 dBm-
	-50 dBm-
	-60 dam
	-70 dBm-
	CF 2.437 GHz 1001 pts Span 30.0 MHz
	Date: 26/DEC 2019 13:34:52
	Spectrum 🕎
	Ref Level 20.50 dBm Offset 1.00 dB RBW 300 Hz Att 30 30 8WT 25.3 µs YBW 1.MHz Mode Auto FFT
	Count 500/500
	1Pk View 1Pk View 10
	10 dBm 22-62-1000 GHz 0 dBm 15.104895105 MHz -10 dBm 744 -10 dBm 74
	10 dBm 15.104895105 MHz
	The second secon
	-10 dBm
	-20 dBm
CH11	-30 gen My
	40 dBm
	-40 d8m - V
	-50 dBm
	-60 dBm
	-70 dBm
	-70 dBm-
	-70 dBm CF 2.462 GHz 1001 pts Span 30.0 MHz

Shenzhen Huatongwei International Inspection Co., Ltd.

2.11 g	Antenna 1
	Spectrum 🕎
	Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 µs VBW 1 MHz Mode Auto FFT
	Count 500/500 Plk View
	M1[1] 4.21 dBm 2,4161360 GHz
	10 dBm Occ Bw 16.903095/03 MHz
	0 dBm The second and the second secon
	-10 dBm-
	-20 dBm
CH01	-30 dBm
	N=6VBm
	-50 dBm-
	-60 dBm-
	-70 dBm-
	CF 2.412 GHz 1001 pts Span 30.0 MHz
	Date: 28DEC.2319 133626
1	Spectrum 😨
	Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 µs VBW 1 MHz Mode Auto FFT
	Count 500/500
	M1[1] 4.11 dBm 2.4286180 GHz
	10 dBm 10 occ Bw 16.903096903 MHz
	2 dBm - Andrew Manus Andrew M Andrew Manus Andrew Andrew Andrew Andrew Andrew Andrew Andrew Andrew Andrew And
	-10 dBm
	-20 dBm
CH06	
01100	-30 dBm
	rgo dem
	-50 dBm-
	-60 dBm
	-70 dBm
	CF 2.437 GHz 1001 pts Span 30.0 MHz
	Date: 26DEC.2019 1336-40
	Spectrum
	RefLevel 20.50 dBm Offset 1.00 dB RBW 300 lHz Att 30 dB SWT 25.3 µs VBW 1 MHz Mode Auto FFT
	Count 500/500
	M1[1] 3.97 dBm 2.4634690 GHz
	10 dBm 00cc Bw 16,783216783 MHz
	a dam grant many minutes and
	-10 dBm
	-20 dBm
CH11	
	-30 d8m
	-40.46m
	-50 d8m-
	-60 dBm-
	-70 dBm
	-70 d8m -70 d8m CF 2.462 GHz Span 30.0 MHz 1001 pts Span 30.0 MHz

2.11n(HT20)	Antenna 1
	Spectrum Image: Spectrum RefLevel 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 µs VBW 1.MHz Mode Auto FFT
	Count 500/500
	M1[1] 3,72 dBm 2,4198520 GHz
	10 dBm Occ Bw 17,982017982 MHz
	0 dBm
	-10 dBm-
	-20 dBm
CH01	-30 dBm
	nadi dem
	-50 dbm-
	-60 dBm-
	-70 dBm
	CF 2.412 GHz 1001 pts Span 30.0 MHz
	Date: 26/DEC/2019 13:26:17
	Spectrum 🕎
	Ref Level 20,50 dBm Offset 1.00 dB RBW 300 H/r Att 30 dB SWT 25.3 µs VBW 1 Mide Auto FFT
	Count 500/500 IPk View
	10 dBm 000 000 000 000 000 000 000 000 000 0
	a dam hannen the the house
	-10 dBm-
CH06	-20 dBm-
61100	-30 dam-
	- An and
	-50 dBm-
	-60 dBm
	-70 dBm-
	CF 2.437 GHz 1001 pts Span 30.0 MHz
	Date: 26/DEC/2019 13/36/31
	Spectrum
	Ref Level 20.50 dBm Offset 1.00 dB RBW 300 HHz Att 30 dB SWT 25.3 µs VBW 1.MHz Mode Auto FFT
	Count 500/500 IPk View
	10 dBm 0cc BW 17,0220/7922 MHz
	-10 dBm
CH11	-20 dBm-
GITT	-30 dBm
	-40 dbm
	-50 dBm-
	-60 dBm-
	-70 dBm
	CF 2.462 GHz 1001 pts Span 30.0 MHz

2.11n(HT40)	Antenna 1
	Spectrum TTD Ref Level 20.50 dBm Offset 1.00 dB = RBW 500 iHz T Att 30 dB SWT 1 ms = VBW 2 MHz Mode Auto Sweep Count 500/500 Count 500/500
CH03	• IPk View M1[C] 2.51 dBm 10 dBm Occ Bw 36.322676324 MHz 0 dBm Occ Bw 36.322676324 MHz
	-10 dBm -20 dBm
	40 d8m
	-60 dbm -70 dbm -70 dbm -72 dHz CF 2.422 GHz Bpan 60.0 MHz
	Date: 28/DEC:2019 1337.11
	RefLevel 20.50 dBm Offset 1.00 dB RBW 500 HHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Count 500/500 G IPk View M1L[] 2.50 dBm
	10 dBm 0 cc Bw 36,329676324 MHz 0 dBm 0 dBm 0 cc Bw 10,329676324 MHz
CH06	-10 dBm
	-50 dBm
	-50 dBm
	CF 2.437 GHz 1001 pts Span 60.0 MHz
	Spectrum Important Ref Level 20.50 dBm Offset 1.00 dB RBW 500 lHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Count 500/500 Count 500/500 Count 500/500 Count 500/500 Count 500/500 Count 500/500
CHOD	-10 dBm
CH09	-30 dBm
	-50 dBm
	CF 2.452 CHz 1001 pts Span 60.0 MHz

Appendix E:	Duty Cycle
-------------	------------

Modulation Type	Test Frequency (MHz)	T _{on time} for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on time} (kHz)
11b	2437			100%	
11g	2437			100%	
11n20	2437			100%	
11n40	2437			100%	

	Spectrum RefLevel 30.00 dBm	
	Att 40 dB SWT 10 ms VBW 1 MHz SGLTRG/VID FIR CITW	
	20 dBm-	
	10 dBm	
		and the state and state state states
	10 ¹⁰⁰ million bei TRG - 0:300 dBm ^{al} to float and had been see use itself of the training beatsed and added being t	an lon dan ing ing bik huk huk in k
	-10 dBm	
11b	-20 dBm	
	-30 dBm-	
	-40 d8m	
	-50 d8m	
	-60 d8m-	
		1 1 1 1
	CF 2.437 GHz 8000 pts	1.0 ms/
		40
	Date: 25 DEC 2019 1558 19	
	Spectrum RefLevel 30.00 dBm RBW 1 MHz Att 40 dB • SWT 10 ms • VBW 1 MHz	
	SGL TRG:VID IPk Cirw	
	CTK CILM	
	20 dBm-	
	10 dBm	
		In processor is a channel in a present in a surrout
		ligenen in den sin den
		(named a start for the product of the
112	a o deni ne se tra me la posta por la sera de ma de ma de ma de ma de ma de ma de sera tra sera de sera de sera 19 de 19 de mas de sera de la sera de ma de ma -10 alm - 11 alm - 11 -10 alm - 11	le delle e delle delle della dell E della d
11g		la liquina e da esperante la porteción la liquina e da esperante la porteción la liquina e da esperante la porteción de
11g	ne national de seu tre and a na transforment ran de seu tre and rear tre and rear tre and the seu tre and tre a 1. that is a transforment de seu tre and tre and tre and tre and tre and tre and the seu tre and tre and tre and -10 also	ni fordensi fordensi Francesi fordensi ford
11g	en antique se la presidente de serve de comme la completante de serve de serve de serve de serve de serve de s 1 de la de serve de <u>serve de serve de serve de la completante de serve de serve de serve de la serve de la serve -10 dBm</u>	(1999) - See
11g	-20 dBm 	
11g	-20 d8m	
11g	10 of the set of the s	
11g	-20 dBm 	1.0 ms/
11g	10 of the set of the s	

11n20 Image: state of the stat		
11n20 Intervent 30.0 g/m + RAW 1 MHz 20, Mix/W Mix/W 10 dam Intervent 20, Mix/W 00 dam Intervent 20, Mix/		Spectrum
11n20 • of a swit 10m a VEW 1 Mm • of a swit 10m a VEW 1 M		
11n20 		Att 40 dB S SWT 10 ms VBW 1 MHz
11n20 International and the second secon		SGL TRG: VID
11n20 		IPk Cirw
11n20 		
11n20 		
11n20 Induct to be t		20.dBm
11n20 Induct to be t		
11n20 10 dbm		10 dBm
11n20 10 dbm		and the state of the
11n20 10 dbm		where a structure of the second s
11n20 10 dbm		
11n20 20 dBm		-10 dBm
11n40 0 dem 0 dem <td< td=""><td></td><td></td></td<>		
11n40 0 dem 0 dem <td< td=""><td>11n20</td><td>20 49</td></td<>	11n20	20 49
111140 40 dsm 40 dsm<		-20 000
111140 40 dsm 40 dsm<		
11n40 40 d8m 40 d8m </td <td></td> <td>-30 dBm-</td>		-30 dBm-
11n40 40 d8m 40 d8m </td <td></td> <td></td>		
Sector BOOD pts LO ms/ 11n40 CF 2.437 CHz BOOD pts LO ms/		-40 dBm-
Sector BOOD pts LO ms/ 11n40 CF 2.437 CHz BOOD pts LO ms/		
Image: creating of the second secon		-50 dBm
Image: creating of the second secon		
Image: creating of the second secon		-60 dBm
11n40		
11n40		
Det:::SDECI::209 15:59:11 Image::::::::::::::::::::::::::::::::::::		CF 2.437 GHz 8000 pts 1.0 ms/
Det:::SDECI::209 15:59:11 Image::::::::::::::::::::::::::::::::::::		
Spectrum Provide all states of the second states of t		
Ref Level 30.02 dbm # RbW 1 MHz Att 40 db # SWT 10 ms SGL TRG: VID IPP Clrw 20 dbm 10 dbm 0 dbm 10 dbm 10 dbm 20 dbm 10 dbm 20 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 10 dbm -20 dbm -30 dbm -60 dbm -60 dbm -60 dbm		Date: 25 DEC 2019 1559 11
Ref Level 30.02 dbm # RbW 1 MHz Att 40 db # SWT 10 ms SGL TRG: VID IPP Clrw 20 dbm 10 dbm 0 dbm 10 dbm 10 dbm 20 dbm 10 dbm 20 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 10 dbm -20 dbm -30 dbm -60 dbm -60 dbm -60 dbm		
Ref Level 30.02 dbm # RbW 1 MHz Att 40 db # SWT 10 ms SGL TRG: VID IPP Clrw 20 dbm 10 dbm 0 dbm 10 dbm 10 dbm 20 dbm 10 dbm 20 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 20 dbm 10 dbm 10 dbm 10 dbm -20 dbm -30 dbm -60 dbm -60 dbm -60 dbm		Spectrum
11n40 40 dB = SWT 10 ms = VBW 1 MHz SGL TRG: VID 10 dBm 10 dBm 10 dBm 10 dBm 0 dBm 10 dBm 10 dBm 0 dBm 10 dBm 0 dBm 10 dBm 0 dBm 10 dBm 0 dBm 10 dBm 10 dBm 0 dBm 10 dBm -20 dBm -30 dBm -60 dBm -60 dBm -60 dBm -60 dBm -60 dBm -60 dBm		
11n40		
11n40		SGL TRG: VID
11n40		9 1Pk Cirw
10 dBm 0 dBm 10 dBm		
10 dBm 0 dBm 10 dBm		
11n40		
11n40		20 dBm
11n40		20 dBm
11n40		
11n40 -20 d8m -30 d8m -60 d8m -60 d8m -60 d8m -1.0 ms/		
11n40		10 dBm
11n40		10 dBm
11n40		10 dBm 0 dBm 19 dBm
-30 dBm -40 dBm -50 dBm -50 dBm -60 dBm -60 dBm -60 dBm -60 dBm -10 ms/		10 dBm 0 dBm 19 dBm
-40 dBm -50 dBm -60 dBm -60 dBm -60 dBm -1.0 ms/	11p40	10 dBm 0 dBm Արժեկ անհյուն զինակիչը, զինումը արեցի անգի անհյունի ուղիկ ուղիչ ուղիչ ուղիչ ուղիչ ուղիչ ուղիչ ուղի ամի չուղիչու Դեկ (all իր թջ., ուղիչը զջ զջ դեկումը արեցի ուղիկ ուղիկ ուղիչ ուղիչ ուղիչ ուղիչ ուղիչը, ուղիչուղի կովի ուղիկ ո
-40 dBm -50 dBm -60 dBm -60 dBm -60 dBm -1.0 ms/	11n40	10 dBm 0 dBm Արժեկ անհյուն զինակիչը, զինումը արեցի անգի անհյունի ուղիկ ուղիչ ուղիչ ուղիչ ուղիչ ուղիչ ուղիչ ուղի ամի չուղիչու Դեկ (all իր թջ., ուղիչը զջ զջ դեկումը արեցի ուղիկ ուղիկ ուղիչ ուղիչ ուղիչ ուղիչ ուղիչը, ուղիչուղի կովի ուղիկ ո
-40 dBm -50 dBm -60 dBm -60 dBm -60 dBm -1.0 ms/	11n40	10 dBm 0 dBm Արժեկ անհյուն զինակիչը, զինումը արեցի անգի անհյունի ուղիկ ուղիչ ուղիչ ուղիչ ուղիչ ուղիչ ուղիչ ուղի ամի չուղիչու Դեկ (all իր թջ., ուղիչը զջ զջ դեկումը արեցի ուղիկ ուղիկ ուղիչ ուղիչ ուղիչ ուղիչ ուղիչը, ուղիչուղի կովի ուղիկ ո
-50 dBm -60 dBm CF 2.437 GHz 8000 pts 1.0 ms/	11n40	10 dBm 0 dBm Արտելու այն
-50 dBm -60 dBm CF 2.437 GHz 8000 pts 1.0 ms/	11n40	10 dBm 0 dBm Արտելու այն
-60 dBm CF 2.437 GHz 8000 pts 1.0 ms/	11n40	10 dem 0 dem
-60 dBm CF 2.437 GHz 8000 pts 1.0 ms/	11n40	10 dem 0 dem
CF 2.437 GHz 8000 pts 1.0 ms/	11n40	10 dBm 0 dBm
CF 2.437 GHz 8000 pts 1.0 ms/	11n40	10 dBm 0 dBm
	11n40	10 dBm 0 dBm 27 시작 제시 전체 (1995, - 3 4,000 영양, 제시 전체 (1997, 1997
	11n40	10 dBm 0 dBm 27 시작 제시 전체 (1995, - 3 4,000 영양, 제시 전체 (1997, 1997
	11n40	10 dBm 0 dBm 27 시작 제시 전체 (1995, - 3 4,000 영양, 제시 전체 (1997, 1997
	11n40	10 dBm
Date: 25/DEC/2019 1559/39	11n40	10 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm -30 dBm 0 dBm -50 dBm 0 dBm -60 dBm 0 dBm -50 dBm 0 dBm -50 dBm 0 dBm -50 dBm 0 dBm -50 dBm 0 dBm
Date: 25 DEC 2019 15:59:39	11n40	10 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm -30 dBm 0 dBm -30 dBm 0 dBm -50 dBm 0 dBm -60 dBm 0 dBm -50 dBm 0 dBm -50 dBm 0 dBm -50 dBm 0 dBm
	11n40	10 dBm 0 dBm 0 dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 20 dBm 10 dBm -30 dBm -30 dBm -50 dBm -30 dBm -60 dBm -30 dBm
	11n40	10 dBm 0 dBm 0 dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 20 dBm 10 dBm -30 dBm -30 dBm -50 dBm -30 dBm -60 dBm -30 dBm

Appendix F: Band Edge and Spurious Emissions (Conducted)

Item:	Bandedge	8	802.11 b			Anter	nna 0
	att 🚥	30 dB SWT	et 1.00 dB — RB 246.5 µs — VB	W 100 kHz W 300 kHz Mod	e Auto FFT		1
CH01	Count 300/3	0 -13.490 dBm		ululaus og af Louder	M1[1] M2[1]	North Contraction of the second secon	6.51 dBm 12520 GHz 4 Age dBm dp004 GHz
	Btort 2.312 Marker Type Ref M1 M2 M3 M4 M5 Dim 25DEC2	Trc X-v 1 2. 1 1 1 1 1 1 1 1	41252 GHz 2.4 GHz 2.39 GHz 2.31 GHz	691 pts -value Fui 6,51 dBm 30.36 dBm -55.73 dBm -58.49 dBm -28.84 dBm -	nction	Function Result	440
	Spectrum Ref Level 4 Att Count 300/31 S IPK Max	30 dB SWT	et 1.00 dB 🖷 RB 113.8 μs 🖷 VB	W 100 kHz W 300 kHz Mod	e Auto FFT		T T
		101 1 -13/840 dBro-	un Marga		M1[1] M2[1]		6.16 dBm 14820 GHz 56.10 dBm 35000 GHz
CH11	-30 dBm -40 dBm -50 dBm -60 dBm		4	Var w	W WZ Nimme	NH MANNER	mening
	-70 dBm Start 2.452 (Marker	GHz		691 pts		Stu Function Result	pp 2.5 GHz

Test Item:	Bandedge		802.1	1 g		Ante	enna 0
		vel 20.00 dBm	Offset 1.00 dB	RBW 100 kHz			
	Att Count IPk M	800/300	SWT 246.5 µs	VBW 300 kHz Me			
	10'dBm 0 dBm-				M1[1] M2[1]		-2.82 dBm 2.416090 GHz -36.04 dBm 2.400009 GHz
	-10 dam -20 dam					1	2,400000 GH2
CH01	-30 dan -40 dan		Bro			1	
	-so dan Aardan		you man approved	المر فد مواد موسو مرود	un marial aller and	Nertow	
	-70 dBm					-	1
	Marker	31 GHz Ref Trc	X-value		unction	Sto Function Res	ult
	M1 M2 M3 M4	1 1 1 1	2.41608 GHz 2.4 GHz 2.39 GHz 2.31 GHz	-2.82 dBm -36.04 dBm -54.38 dBm -59.00 dBm			
	MS][2:399925 GHz	-36.69 dBm	1		
	Date: 251 Spect	EC:2019 10,57,07					
	Att Count	30 dB 00/300	Offset 1.00 dB SWT 113,8 μs	RBW 100 kHz VBW 300 kHz Me	de Auto FFT		
	• 1Pk M. 10 dBm	×			M1[1]	2	-2.82 dBm 4594670 GHz -54.45 dBm
	0 dBm- /*** -10/dBn		an grand and an grand			2	4835000 GHz
	20 dBn -30 dBn	× • • • • •	Bm				
CH11	-40 dBn -50 dBn			N.	. M2 M	d	
	-60 d8n -70 d8n				Munnenger	handren	minteres
	Start 2	452 GHz		691 pts			Stop 2.5 GHz
	M1 M2	Ref Trc 1	X-value 2.459467 GHz 2.4835 GHz	-2.82 dBm -54.45 dBm	unction	Function Res	ult
	M3 M4		2.5 GHz 2.4870609 GHz	-57.13 dBm -53.47 dBm		00	440
	Date: 25.0	EC 2019 11:00 16					

Test Item:	Bandedge	802.11 n(HT20)	Antenna 0
	Spectrum RefLevel 20.0	0 dBm Offset 1.00 dB RBW 100 kHz 30 dB SWT 246.5 µs VBW 300 kHz Mode Auto FFT	
CH01	Count 300/200 ● IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -70	2.760 dBio	-2.76 dBm 2.400520 GHz 1-34.324 dBm 1-32.424 dBm 1-32.400000 GHz
	Date: 25 DEC 2019 Spectrum Ref Level 20.0		(m)
	Count: 300/200 ● IPk: Max 10 dBm 0 dBm -10 dBm	MI(1)	-2.36 (Bm 2.4591200 GHz -54.47 (Bm 2.4835000 GHz
CH11	-20 dBm 01 -2 -30 dBm	and a second	19 Marmuhan muganund
	M2 M3		Stop 2.5 GHz Function Result
	Date: 25 DEC 2019	11:08:59	00 440

Test Item:	Bandedge	802.11	n(HT40)		Antenna 0
	Spectrum				
	Att Count 299/	20.00 dBm Offset 1.00 dB 30 dB SWT 303.4 µs 300	RBW 100 kHz VBW 300 kHz Mode	Auto FFT	
	• 1Pk Max		M	1[1]	-6.92 dBm
	10 dBm			2[1]	2,420510 GHz -35.73 dBm
	0 dBm-				M1 2,400000 GH2
	-10 dBm			monum	month to man more more
	-20 dBm				
	-30 dBm	01 -26,920 dBm	-	11/2	
	-40 dBm				
CH03	-50 dBm			15 million	
		herenenaltherenerousener	manufarman	post in the	1
	-70 dBm		1.2 4 11 11	1	
	Start 2.31	0115	601 ptc		Ptop 0 449 (345
	Start 2.31 Marker	unz	691 pts		Stop 2.442 GHz
	Type Ref	Trc X-value	Y-value Funct -6.92 dBm	tion Fun	ction Result
	M2 M3	1 2.4 GHz 1 2.39 GHz	-35.73 dBm -54.85 dBm		
	M4	1 2,31 GHz	-57.52 dBm		
	M5	1 2:399913 GHz	-40.13 dBm	-	100000 AND
		л Л			
	Date: 25 DEC:	2019 11:11:20			
	Spectrum				
	Ref Level	20.00 dBm Offset 1.00 dB = 30 dB SWT 1.1 ms =		uito Sween	
	Count 300/		YEW SOO WILL MODE A	toto Sweep	
	• 1Pk Max	1 1	T T M	it i	-6.31 dBm
	10 dBm			2[1]	2.4442520 GHz -50.67 dBm
	6 dBm	741			2.4835000 GHz
	-16/08m	monorthy months	manus manus marking	1	
	-20 dBm	V			
		01 -26,310 dBm			
				1	
CH09	-40 dBm			Martin MM4	
	-50 dBm			and the second state	another mound of the second of the
	-60 dBm				
	-70 dBm				
	Start 2.432	GHz	691 pts		Stop 2.5 GHz
	Marker			tan I was	
	Type Ref M1	1 2.444252 GHz	Y-value Funct +6.31 dBm	uon [Fun	ction Result
	M2 M3	1 2.4835 GHz 1 2.5 GHz	-50.67 dBm -51.42 dBm		
	M4	1 2.4845275 GHz	-49.47 dBm		
		Л		_	00 00
	Date: 25 DEC:				

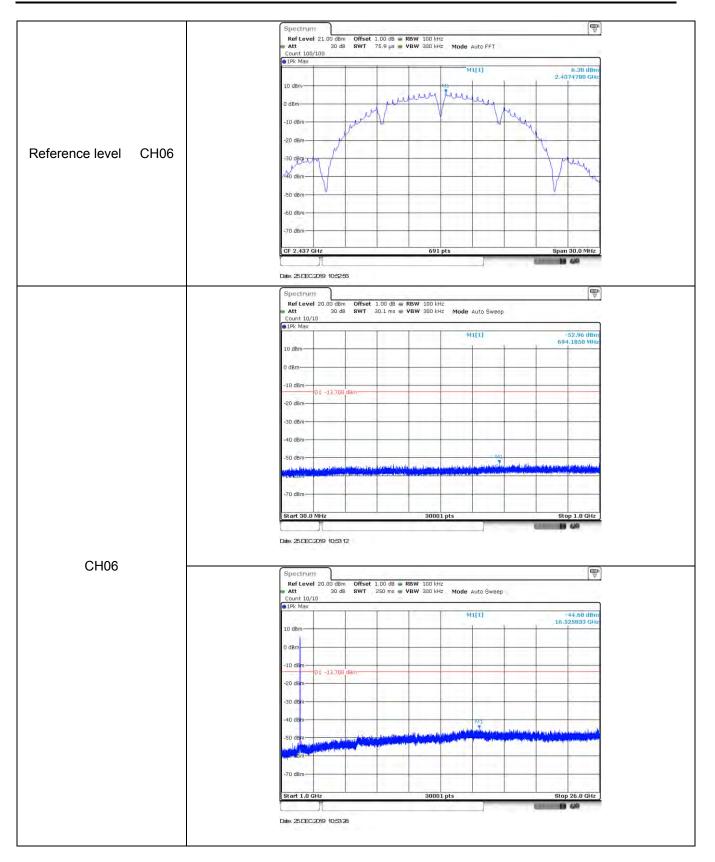
Test Item:	Bandedge	802.11 b	Antenna 1
	Ref Level 20.00 dB	m Offset 1.00 dB RBW 100 kHz B SWT 245.5 µs VBW 300 kHz Mode Auto FFT	
CH01	Count 300/300 @ IPk Max 10 dBm 0 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -40 dBm -30 dBm	K-value Y-value Function 2.4109 GHz 7.02 dBm 691 pts 2.400 GHz 7.02 dBm 2.9 GHz 2.39 GHz -55.02 dBm 2.399925 GHz 2.399925 GHz -29.59 dBm	2,02 (Bin) 2,02900 GHz 40000 GHz 40000 GHz 40000 GHz 800 2,422 GHz Function Result
CH11	Spectrum Ref Level 20.00 dB Att 30 d Count 300/300 0 O Bm 0 0 dBm 0 10 dBm 0 -10 dBm 0 -10 dBm 0 -10 dBm 0 -30 dBm 0 -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm -70 dBm -70 dBm -70 dBm Marker 1 M3 1 M4 1 0 0	B SWT 113.9 µS ¥ VBW 300 kHz Mode Auto FFT M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] Mumu M2[1] M2[1] M2[1] M2[1] Mumu S0[2] S0[2] M2[1] Mumu	6.93 dBm 2.161420 GHz -54.93 dBm 2.483000 GHz -54.93 dBm 2.483000 GHz -54.93 dBm 2.483000 GHz -54.93 dBm

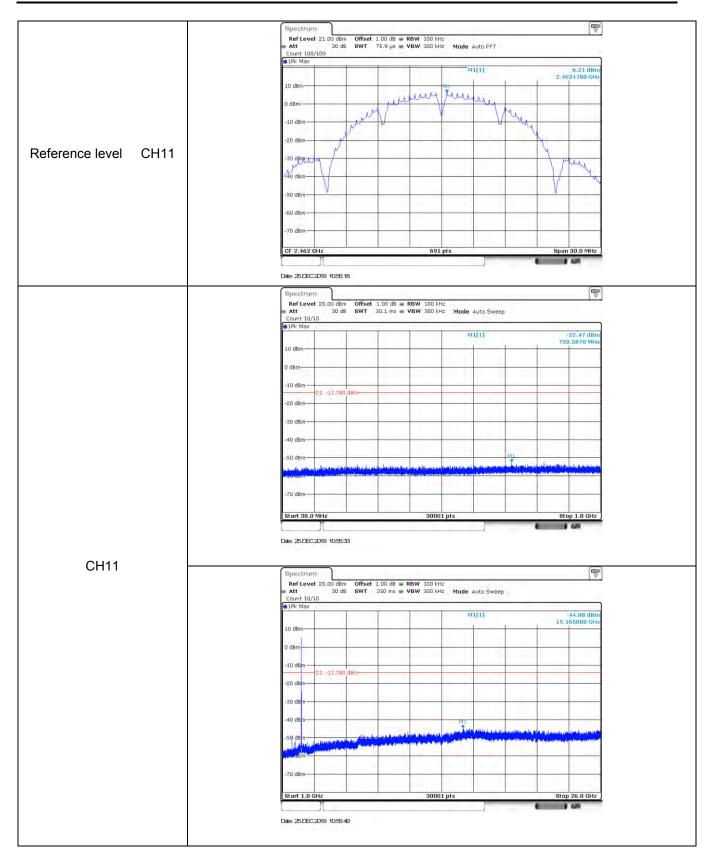
Fest Item: B	Bandedge 802.11 g Antenna 1
	Spectrum The Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Mode Auto FFT Att 30 dB SWT 245.5 µs VBW 300 kHz Mode Auto FFT
	Count 300/300 Count 300/300 IPK Max N1[1] -5.17 dbm
	10 dBm 2,416090 GHz 35.51 dBm 2,40000 GHz 0 dBm 2,400000 GHz
	-10 dBm -20 dBm 01 -25.170 dBm
CH01	-30 dBm
	-70 dam-
	Start 2.31 GHz 691 pts Stap 2.422 GHz Marker
	Type Ref Trc X-value Y-value Function Function Result M1 1 2.41608 GHz -3.17 dBm
	MS 1 2:399925 GHz -37.05 dBm
	Spectrum (100 dBm) Ref Level 20.00 dBm Offset 1.00 dB ● RBW 100 kHz
	Att 30.dB SWT 113.8 μs → VBW 300 kHz Mode Auto FFT Count 300/300 ● IFk Max
	10 dBm
	-10 dBm 01 -22:300 dBm
CH11	-30 dBm
GITT	-50 dBm
	-70 dBm
	Morker Type Ref Trc X-value Y-value Function Function Result M1 1 2.459467 GHz ~3.39 dbm M2 1 2.4835 GHz -52.21 dbm M3 1 2.5 GHz -52.22 dbm
	M4 1 2.4996522 GHz -51.19 dBm

Test Item:	Bandedge	802.11	n(HT20)		Antenna 1	
			RBW 100 kHz VBW 300 kHz Mode	e Auto FFT		
CH01	Count 300/200 IPI: Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -30 dBm -70 dBm -70 dBm	8.060 GBm	N N N N N N N N N N N N N N N N N N N	n(1) n(1)	-3.26 dbm 2.42000 GHz -35.24000 GHz 2.40000 GHz -40000 GHZ -4000 GHZ -	
	M2 M3 M4	1 2.4203 GHz 1 2.4 GHz 1 2.39 GHz 1 2.31 GHz 1 2.399925 GHz	691 pts Y-value Fund -3.26 dBm -35.72 dBm -35.72 dBm -59.59 dBm -36.85 dBm -36.85 dBm	ction Fun	nction Result	
CH11	Count 300/300	30 dB SWT 113.8 µs ↔	VBW 300 kHz Mode	11(1) 12(1)	-2.92 dBm 2.459 1200 GHz -5.2.52 dBm 2.4935000 GHz -5.2.52 dBm 2.4935000 GHz -5.2.56 dBm Stop 2.5 GHz Inction Result	

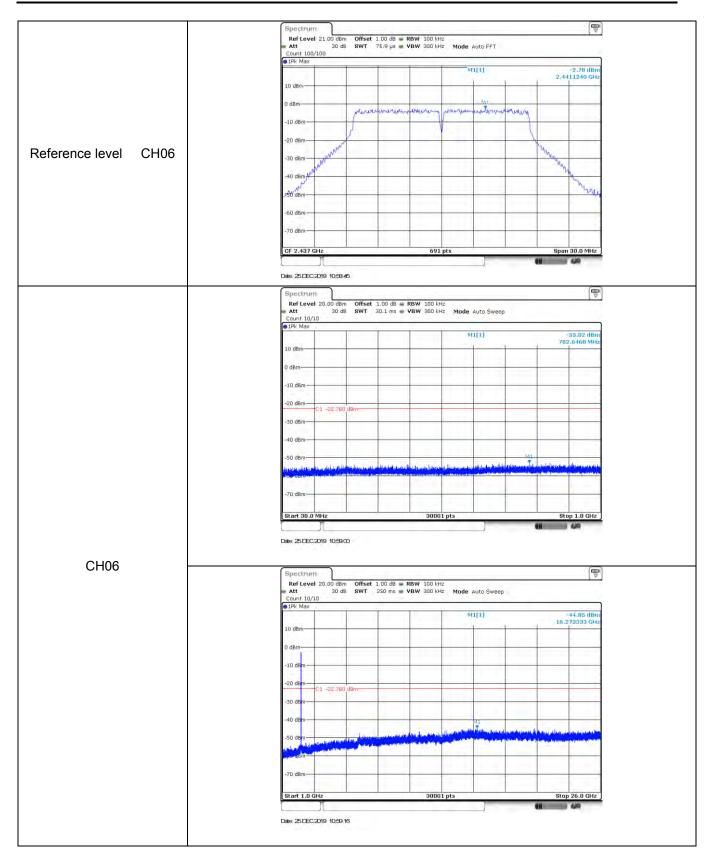
Test Item:	Bandedge	802.11 r	(HT40)	Antenna 1	
	Spectrum Ref Level 2 Att				
CH03	Count 297/30 ● 1Pk Max 10 dBm - 10 dBm - 10 dBm - 20 dBm	30 dB SWT 303.4 µs ♥ V 0 	BW 300 kHz Mode Auto FFT M1[1] M2[1] M2[1] M2[1] M3[1] M3[1] M3[1] M3[1]	5.63 dBm 2.414210 GHz -34.84 dBm 2.40000 GH2 	
CH09	 Att Count 300/30 	0.00 dBm Offset 1.00 dB = RB 30 dB SWT 1.1 ms = VB	-39,59 dBm	() () () () () () () () () () () () () (
	/-30 dBm	-25.560 d8m	MICI M2[1]	-5.58 dBm 2.4554700 GHz -167.76 dBm 2.4835000 GHz 2.4835000 GHz MB24 Maxwar Japanet, stanson	
	-50 dBm -60 dBm -70 dB		691 pts -5,58 dBm -6,50 dBm -6,50 dBm -46,70 dBm -45,37 dBm -45,37 dBm	Stop 2.5 GHz	

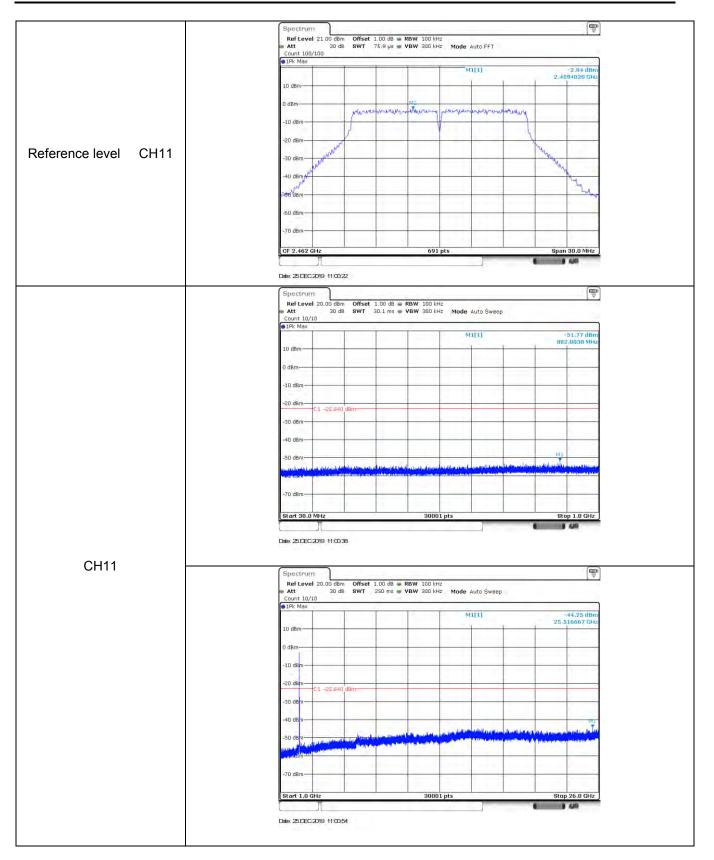
Test Item:	SE		802.11	b		Antenna	0
	(Spectrum					
		Ref Level 21.00 dBm Att 30 dB	Offset 1.00 dB SWT 75.9 µs	RBW 100 kHz VBW 300 kHz M	Iode Auto FFT		
		Count 100/100 1Pk Max	1940 - 1949 S	10.000			
					M1[1]	6.20 2.412478	dBm 0.GHz
		10 dBm	_		arapari,		
		0 dBm	pat	manery Ju	- und I		
		-10 dBm	und	V.	M	1	
		-20 dBm				X	
Reference level CH01		M				4	
		-30 dBm				1 miles	4
		=40 dBm					- the second sec
		-50 dBm	-				
		-60 dBm	_				
		-70 dBm	-				
					1 A 1 A 4 A 1		
		CF 2.412 GHz		691 pts	1	Span 30.0	MI12]
		Date: 25 DEC 2019 10.51:04					
	(Spectrum	S				
		Ref Level 20.00 dBm	Offset 1.00 dB =	RBW 100 kHz VBW 300 kHz /	Inde Auto Sween		<u>x - 1</u>
		Count 10/10 1Pk Max	Tiel Obiting		www word pweet		
					M1[1]	-52.71 879.3520	dBm MHz
		10 dBm					
		0 dBm		-	-		
		-10 dBm					
		-20 dBm	m				
		-30 dBm					
		-40 dBm					
		-50 dBm	all de la construcció	ومعربة الدوروسيان ورقارت	dial and althematic	March & maging to a Hara Super and and	
			Securit consequences and Albertain area	Northern and Alexandria data in a set		the an estimated below of part landow bindians a list y much your o	
		-70 dBm-					
		Start 30.0 MHz		30001 pts		Stop 1.0	GHz
		Л				0 0 40	
		Date: 25 DEC 2019 10:51:20					
01104							
CH01	(Spectrum					
		Ref Level 20.00 dBm Att 30 dB	Offset 1.00 dB = SWT 250 ms =	RBW 100 kHz VBW 300 kHz M	Iode Auto Sweep		
		Count 10/10 1Pk Max		1	2.00		
		10 40-0			M1[1]	-44,30 15.88500	dBm D GHz
		10 dBm-					
		0 dBm					
		-10 d8m-01 -13,800 d8	10				
		-20 dem					
		-30 d8m					
		-40 dBm					
		2010-10	here was	Charles and the second		Manda and Anna at par may part for star	, and be
		-50 dBm	A second and the second		and off the the strengthese		
		and an and an and an and an					
		-70 dBm	_				
				20001 etc		Dtop 06 D	GHZ
		-70 dBm		30001 pts		Stap 26.0	GHz



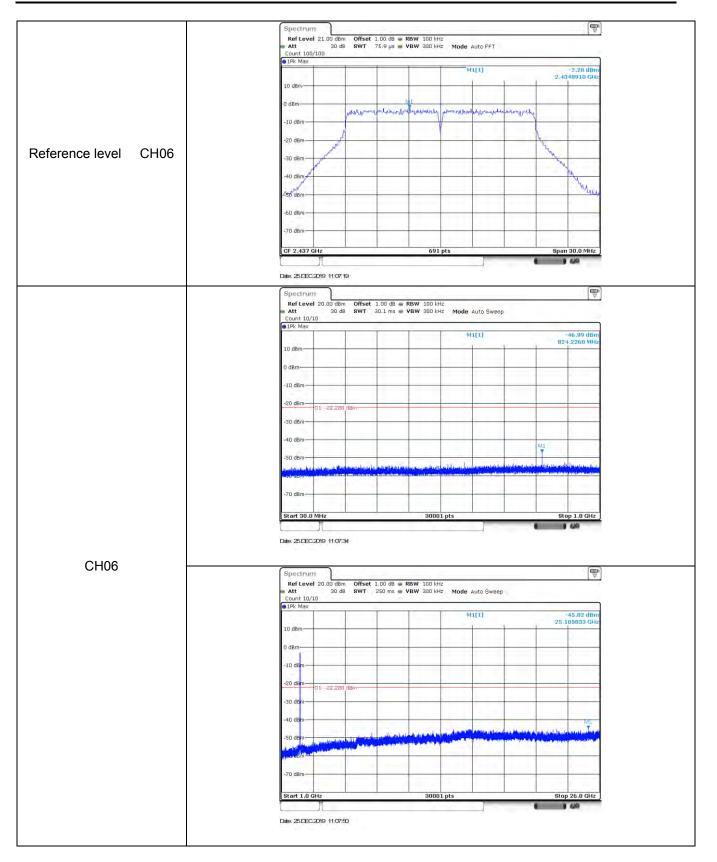


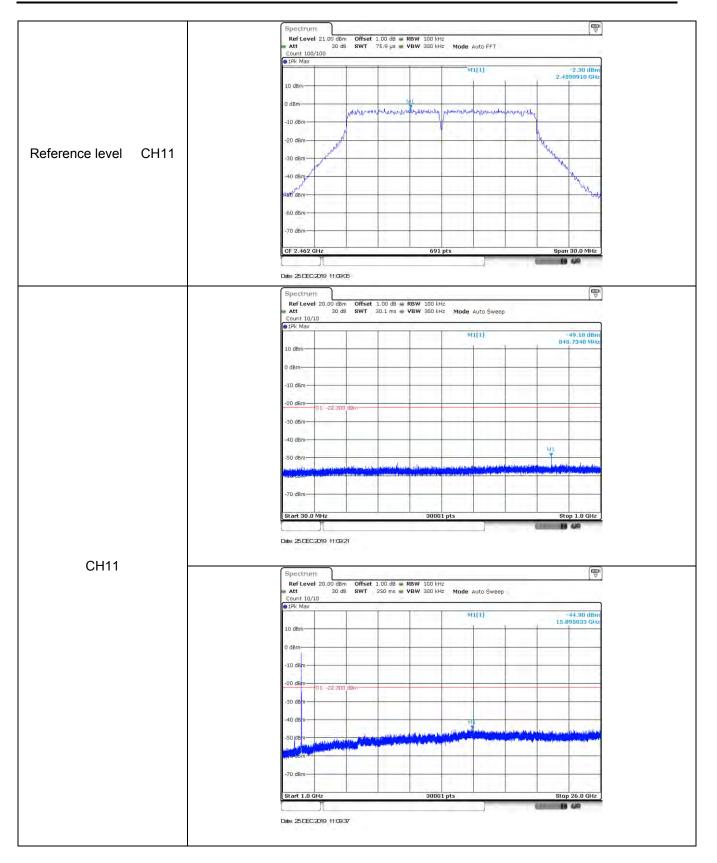
Spectrum Image: Construct of the second	est Item:	SE	802.11 g	Antenna 0
e level CH01		Spectrum		
cH01		Ref Level 21,00 dBm	Offset 1.00 dB = RBW 100 kHz	1.4)
> level CH01		Count 100/100	Mode Auto FFT	
e level CH01		IPk Max	MILI	-2.88 dBm
e level CH01 		10 dBm		2,4094820 GHz
e level CH01 I dege dege dege dege dege dege dege deg			DAT.	
elevel CH01			prevention providing provident and the	M.
CH01		-10 dBm		
CHO1				
CH01	Reference level CH01	-30 dBm		white -
CH01		-40 dBm +**		any
CH01		July		ma.
CHO1		-50 dBm-		
CHO1		-60 dBm		
		-70 dBm		
CH01		CE 2 412 CH2	691 atc	Spen 20.0 MHz
CHO1		GF 2.412 GHZ	091 pts	
CHO1		Date: 25 DEC 2019 10.57 1	4	
CHO1		Spectrum		
CH01		Ref Level 20.00 dBm	Offset 1.00 dB = RBW 100 kHz	(*)
CH01		Count 10/10	SHI SULTING WORK SHU KHZ MODE AUTO SWEED	
CH01		• IPK Max	MILI	-52.99 dBm
CH01		10 dBm		770.5540 MHz
CH01		0 dBm		
CH01				
CH01				
CH01		-20 dBm	dam	
CH01		-30 dBm		
CH01		-40 dBm		
CH01		- X 1 -		MI
CH01		and attained to an international state of the	a series a s	The advertised at the second street
CH01		PSO/dbm-ss-p-sylveda and		
CH01		-70 dBm		
CH01		Start 30.0 MHz	30001 pts	Stop 1.8 GHz
CH01				
Spectrum The sector is an analysis of the sector is an analysis		Date: 25 DEC 2019 10:57 2	9	
Spectrum The second secon	01104			
Ref Level 20.00 dbm Offset 1.00 dbm RBW 100 Hz 30 db SWT 250 ms VBW 300 Hz Mode Auto Sweep Count 10/10	CH01	Spectrum		
Count 10/10 91Pk Max 10 dBm 10 dBm 0 dBm -0 dBm -20 dBm -30 dBm -30 dBm -70 dBm		Att 30 de		
10 dBm M1[1] -44.77 dBm 10 dBm 15.211667 GHz 0 dBm 10 dBm -10 dBm 10 dBm -20 dBm 10 dBm -30 dBm 10 dBm -70 dBm 10 dBm		Count 10/10		
10 dBm			MI[I]	-44.77 dBm 15.211657 GHz
-10 dBm		10 dBm		101212007 012
-20 dBm C1 - 22.850 dBm		0 dBm		
-20 dBm C1 - 22.850 dBm		17 D 1		
C1 ~22.880 dBm Int -30 dBm -30 dBm -40 dBm -10 mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm		Q=0 (1)		
-40 dSm		-20 dBm	d8m	
-50 dBn bit it all a space of training of the training		-30 dBm		
-50 dBm		-40 dBm	MI	
-70 dBm		50 data	the second	where is the second second second second second
-70 dBm				
		, south man		
Start 1.0 GHz 30001 pts Stap 26.0 GHz		-70 dBm		
Lotart 1.0 Grz 30001 pts Stop 26.0 GHz		01-410-04-	20001-51-	Step 26 D OL
		start 1.0 GHz	30001 pts	
Date: 25 DEC 2019 10:57.45		Date: 25 DEC 2019 10.57.4	5	



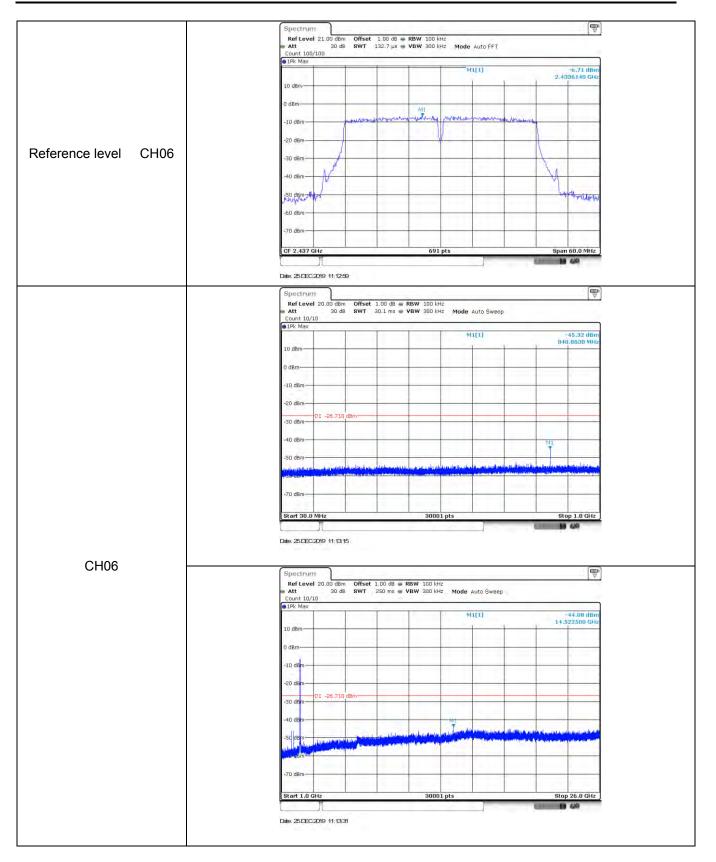


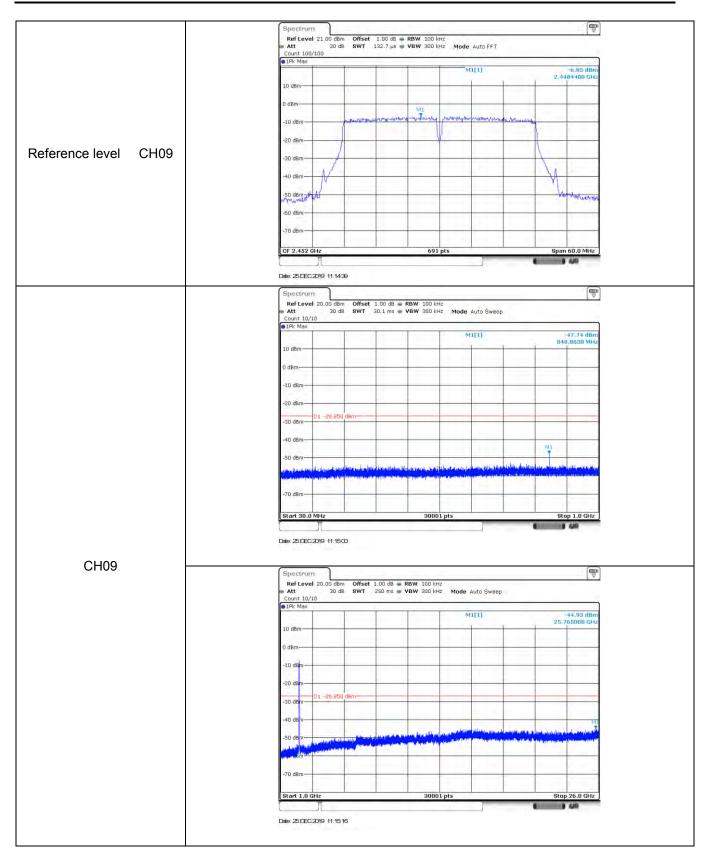
Fest Item:	SE	802.11 n(HT20)	Antenna 0
	Spectrum		
	Att 30 dB	Offset 1.00 dB = RBW 100 kHz SWT 75.9 µs = VBW 300 kHz Mode Auto FFT	
	Count 100/100		
		MILT	-2.38 dBm 2.4090910 GHz
	10 dBm-		
	0 dBm-		
	-10 dBm	donumenter substances provide and the second	mouly
	-20 d8m		
eference level CH01	and the		Mr. War
	-30 dBm		N.
	-40 dBm		Marke
	ASD dBm		way
	-60 dBm-		
	-70 dBm		
	CF 2.412 GHz	691 pts	Span 30.0 MHz
	Date: 25 DEC 2019 11:02:14		
	Spectrum		
	Ref Level 20.00 dBm	Offset 1.00 dB = RBW 100 kHz SWT 30.1 ms = VBW 300 kHz Mode Auto Sweep	[v.
	Count 10/10	oni ouiins = ΥΒΜ συυκής Mode Auto Sweep	
	PPK Max	Mi[i]	-53,14 dBm 825,2600 MHz
	10 dBm	1 1 1	825.2600 0042
	0 dBm		
	-10 dBm-		
	-20 dBm		
	01 -25.380 0	lero	
	-30 dBm-		
	-40 dBm-		
	-50 dBm-		norm of Arth dynamics
	A subscription of the subs	te esta esta esta la contra la contra la contra de la contra della della contra della della della della della La contra della contra della contra della	
	-70 dBm		
	Start 30.0 MHz	30001 pts	Stop 1.0 GHz
	Date: 25 DEC 2019 11:02/29	1	1
CH01	Spectrum	17	
	Ref Level 20.00 dBm	Offset 1.00 dB - RBW 100 kHz SWT 250 ms - VBW 300 kHz Mode Auto Sweep	
	Count 10/10	The set of	
		M1[1]	-44.41 dBm 15.670000 GHz
	10 dBm		10.070000 0112
	0 dBm		
	-10 dem		
	-20 d8m		
	DL -22.380 0	12 ro	
	-30.dem		
	-40 dEm	and the second s	the second second
	-50 dBm	A STATE OF THE OWNER AND A STATE OF	
	in the second		
	-70 dBm-		
	Start 1.0 GHz	30001 pts	Stop 26.0 GHz
	Date: 25 DEC 2019 11:02.46	1	
	Cate Allevanto 110240		
	l		



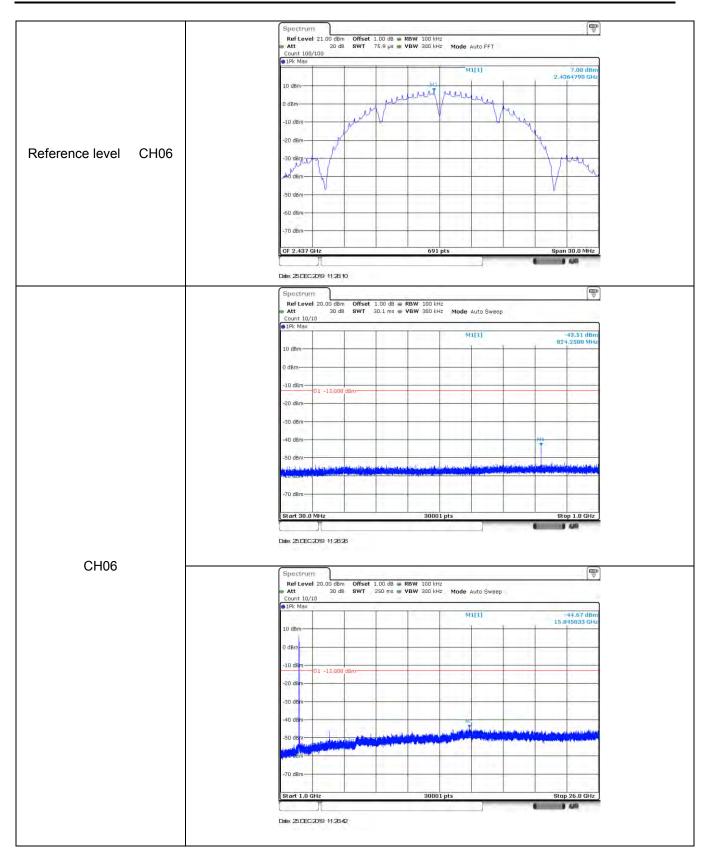


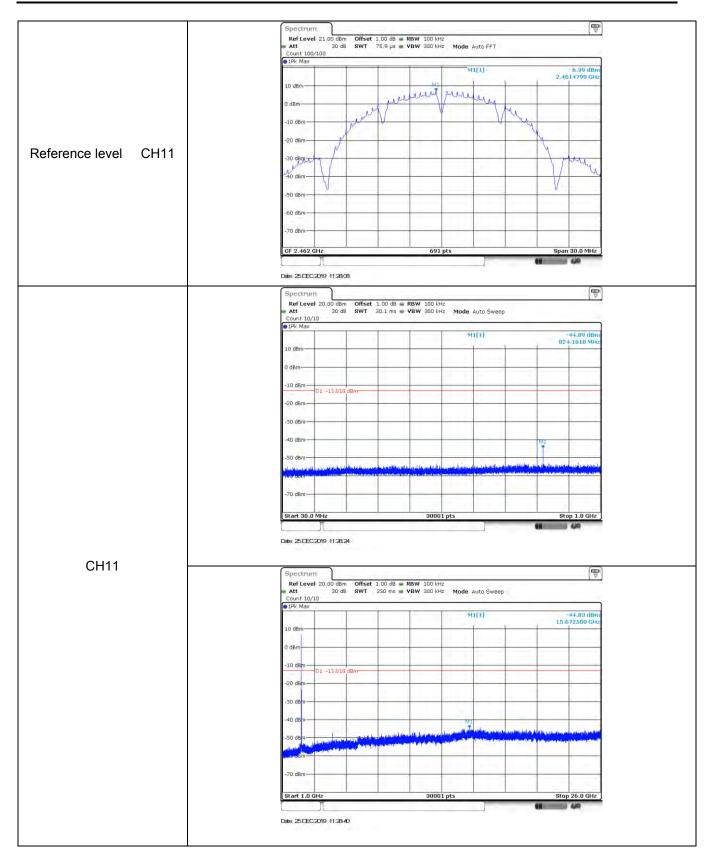
Test Item:	SE	1	802.11	n(HT4	10)		Ant	enna 0
	Spectrum							
	a Att	1.00 dBm Offs 30 dB SWT	et 1.00 dB 🖷 Γ 132.7 μs 🐲	RBW 100 kH VBW 300 kH	12 12 Mode	Auto FFT		
	Count 100/100 1Pk Max)	_					
					MI	1013	- 1	-6,68 dBm 2.4186140 GHz
	10 dBm							
	Q dBm		12.2	MT				
	-10 dBm	- Pierres	eguzater (Ungradishiran	manufilming	Malarmurer	instrumption	in same	-
	-20 dBm	_	-	+ 4				-
Reference level CH03	-30 dBm	_/	_					-
	-40 dBm-	N	1.1			1111		A
	-50 dBm- 4-50	×						hipped
	-50 d8007 404							and a heart party of
	-60 dBm					1.1.1		
	-70 dBm			1.0.0	10.10	1.0		1.2.00
	CF 2.422 GHz		_	691	pts	_		Span 60.0 MHz
	Date: 25 DEC 2019	9 11 11:37				1		EB 4/0
		0.00 dBm Offs				1. S. 1. S.		
	Count 10/10	30 dB SWT	r 30.1 ms 🖝	VBW 300 kH	Mode A	auto Sweep		
	• 1Pk Max				MI	iti)		-49.09 dBm 848.8630 MHz
	10 dBm		-			T		SHIM DEDUCTO
	0 dBm		_	+ +	_	_	-	-
	-10 dBm		_					
	-20 dBm-							
		-26.680 d8m						
	-40 dBm						MI	
	-50 dBm		auto a station of	Second Street and		undriver and	and a low looks and a second	And a construction of the
	LO GOATTA -	a na an	t an open stallard best forbest an	land and the set the start of	a de cela contrata de	n and adjusted to the plant (a)	All provide stands and a stand	Terres (per per al la per al l
	-70 dBm		-	-				_
	Start 30.0 MH	z		30001	1 pts			Stop 1.0 GHz
							Contract of Contract of Contract	BB 449
	Date: 25 DEC 2019	9 11:11:42						
CH03		_						
01100	Spectrum Ref Level 20	0.00 dBm Offs	et 1.00 dB =	RBW 100 ke	2			
	Count 10/10		1 250 ms -			uto Sweep		
	• 1Pk Max	1	T	1	MI	iti)		-44,92 dBm
	10 dBm		_			1	1	16-167500 GHz
	0 dBm					1.1.1		
	-10 dem							
	-20 d2m	-26.680 dBm-						
	-30 dBm							
	-40 dBm					11		1 1 - 1
	-50 dBm	Second States and States	بالدين وال	and the second sec		Andrea and a state		
	ugen	Constant Provide Arts						-
	-70 dBm				11.1.1	1.1.1		
	Start 1.0 GHz			30001	l pts	-		Stop 26.0 GHz
	Date: 25 DEC 2019	9 11:11:59				-1		
	Later ALECADE	- 10130						
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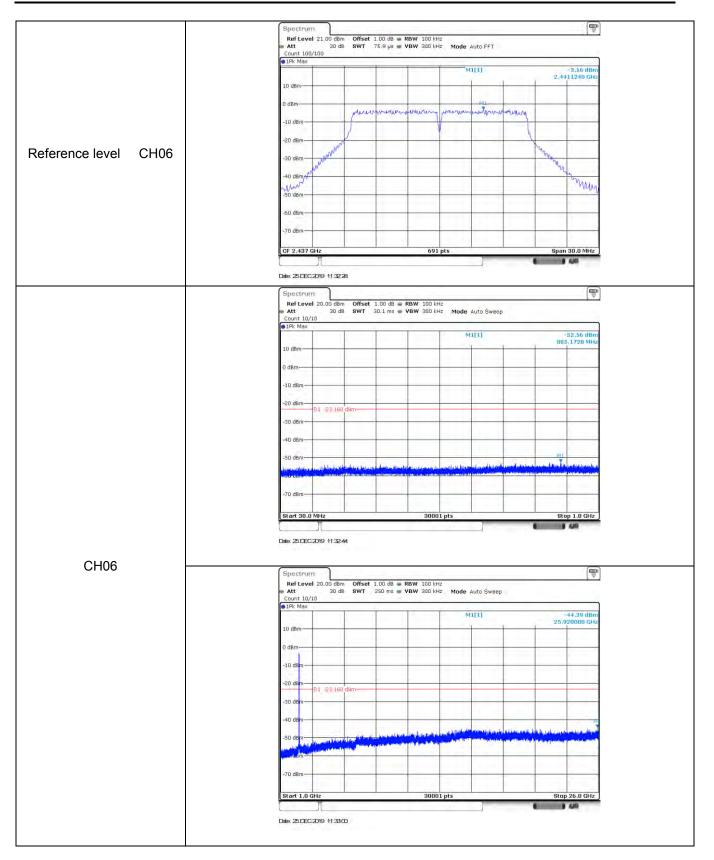


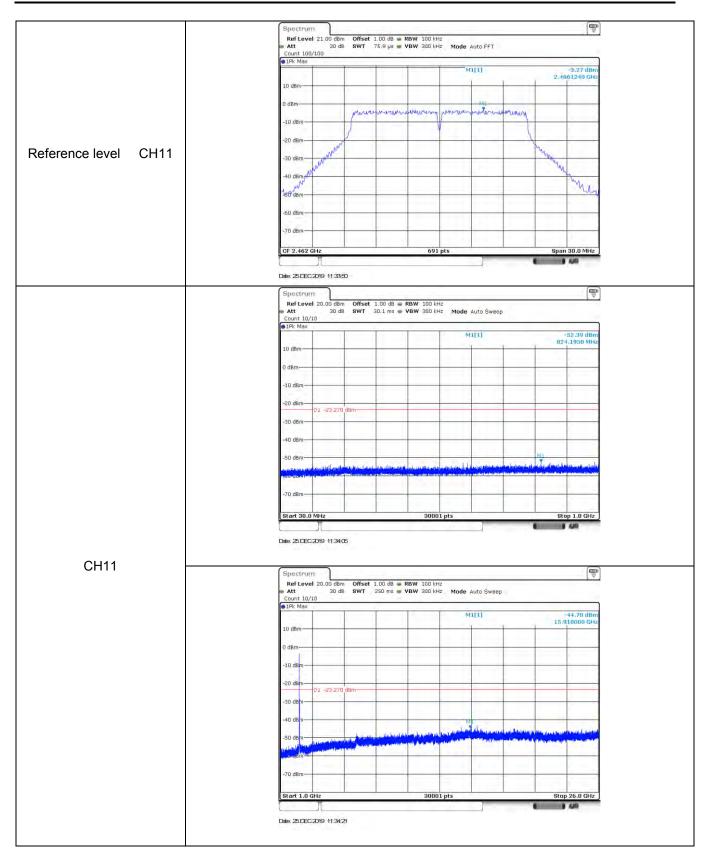
Test Item:	SE	802.11 b	Antenna 1
	Spectrum		
	Ref Level 21.00 d	Bm Offset 1.00 dB = RBW 100 kHz	1.*1
	Count 100/100	dB SWT 75.9 µs # VBW 300 kHz Mode Auto FFT	
	IPk Max	MILI	7.07 dBm 2.4114790 GHz
	10 dBm-	100 L L L L	2,4114790 GHz
		mound mercury	
	0 dBm-	Mr. Market	
	-10 dBm	W V	And I have been a second secon
Reference level CH01	-20 dBm	1	M
	-30 dBm		X
	sure 1		1 march
	Jel dam		
	-50 dBm-		
	-60 dBm		
	-70 dBm		
	-70 0001	a second s	 I = 1 2 = 1
	CF 2.412 GHz	691 pts	Span 30.0 MHz
			C
	Date: 25 DEC 2019 11:	2046	
	Spectrum		
	Att 30	IBm Offset 1.00 dB # RBW 100 kHz dB SWT 30.1 ms # VBW 300 kHz Mode Auto Sweep	
	Count 10/10 PIPk Max		
		M1[1]	-52.40 dBm 962.4780 MHz
	10 dBm		
	0 dBm		
	-10 dBm		
	-20 dBm	UU DBM	
	-30 dBm		
	-40 dBm		
	-50 dBm-		MI
	1977, pice all of the state of the state of the state of the		and the sector of the sector o
	The laber (
	-70 dBm-		
	Start 30.0 MHz	30001 pts	Stop 1.0 GHz
	Ι		E 40
	Date: 25 DEC 2019 11:	21:01	
CH01	Spectrum -		
	Ref Level 20.00 d	IBm Offset 1.00 dB = RBW 100 kHz dB SWT 250 ms = VBW 300 kHz Mode Auto Sweep	
	Count 10/10	HOLE AND SOUND INDUE AND SWEED	
	AFN TIGA	Mi[1]	-44,80 dBm 25:966667 GHz
	10 dBm	T T	210 10002.62
	0 dBm		
	1.0.0		
	-10 dBm-01 -12,0	38 dBm	
	-20 dBm-		
	-30.dBm		
	-40 dBm-		
	12. (b) (b)	and a second	of the state of the second
	-50 dBm		tende de la cense
	-70 dBm-		
	Start 1.0 GHz	30001 pts	Stop 26.0 GHz
	Date: 25 DEC 2019 11:	si, re	



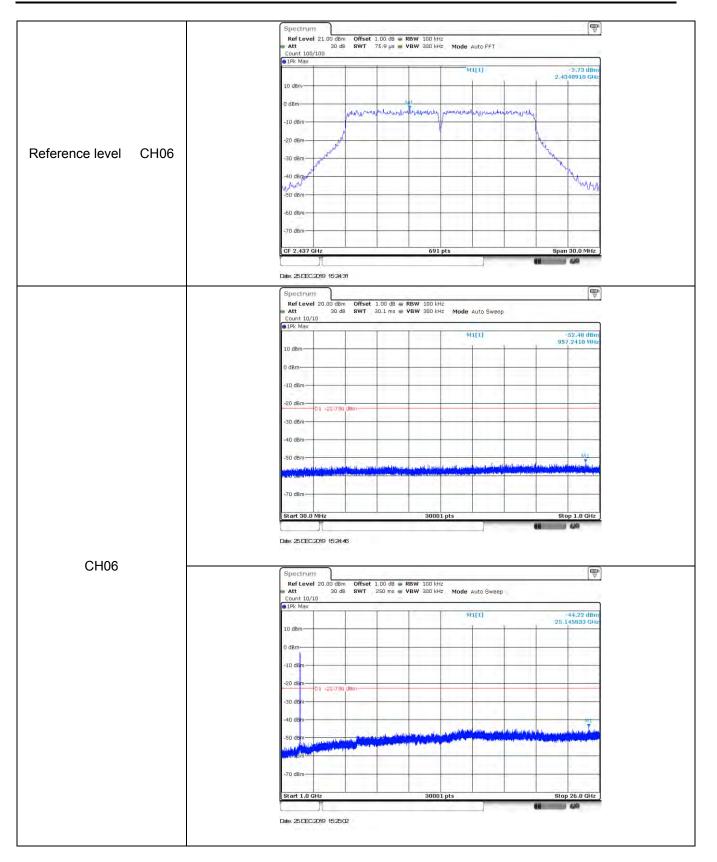


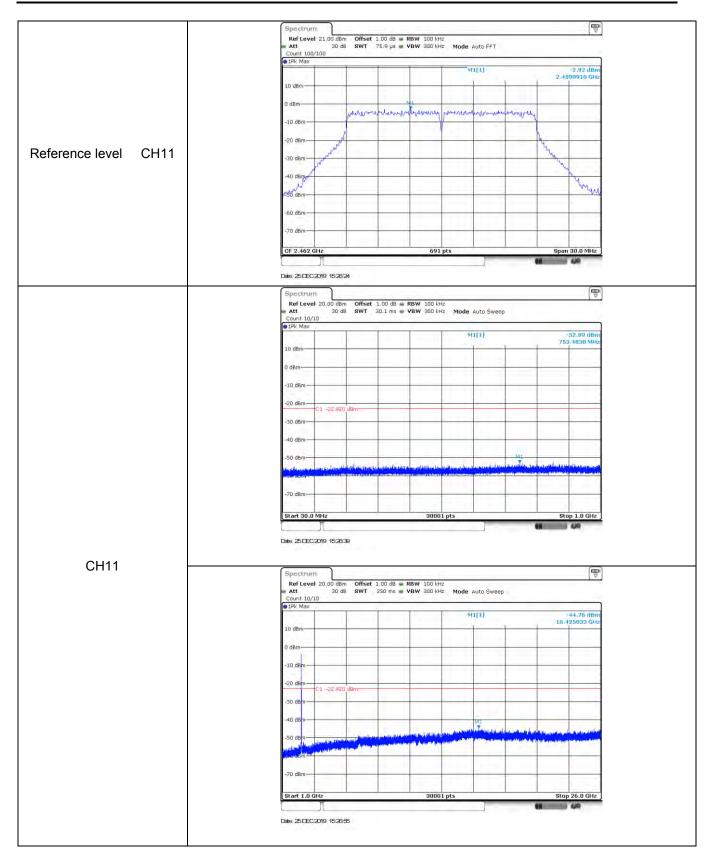
Test Item:	SE	802.11 g			Antenna 1		
		Spectrum					
		Ref Level 21.00 dBm Att 30 dB	Offset 1.00 dB = 1 SWT 75/9 µs = 9	BW 100 kHz	Mode Auto FFT		
		Count 100/100	2012-1-010-1-		1000		
					MI[1]		-3.14 dBm 2.4161240 GHz
		10 dBm-				+ +	
		0 dBm			141		
		-10 dBm	Mercenmann	approximation of the	van service and the service of the s	mannery	
				N I			
Reference level CH01		-20 dBm				1 de	
		-30 dBm	-			- W	and the
		-40 dBm					henner
		-50 dBm	_				~ ODDA
		-60 dBm					
			11				
		-70 dBm				1.1.1	1.1.2.1
		CF 2.412 GHz		691 pt	s		Span 30.0 MHz
		I				00	ala (10
	ļ	Date: 25 DEC 2019 11:30 55					
		Ref Level 20.00 dBm	Offrat 1 00 40 -	DBW 100 but-			
		Att 30 dB Count 10/10	SWT 30.1 ms	VBW 300 kHz	Mode Auto Swee	p	
		1Pk Max	-		Auto		ch na de
		10 dBm			M1[1]	1	-52.32 dBm 849.6390 MHz
		0 dBm					
		-10 dBm-					
		-20 dBm-01 -29.1+0 dBr					
		-30 dBm					
							1.0.11
		-40 dBm					
		-50 dBm-	non-shapt dama data a	And a consultant	Alteres de stantaan ke	Museum and a state of the	and a survey of the sur
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		-70 dBm					_
		Start 30.0 MHz		30001 p		1	Stop 1.0 GHz
				30001 p		05	Stop 1.0 GHz
		Date: 25 DEC 2019 11:31:11					
CH01		Spectrum					
		Ref Level 20.00 dBm	Offset 1.00 dB = 1 SWT 250 ms = 1	BW 100 kHz	Mode Auto Sweet	n	1.5
		Count 10/10			THE NAME OTHER		
					M1[1]		-44,18 dBm 15.826667 GHz
		10 dBm				T T	LOIGEODOF GHE
		0 dBm					
		-10 dem					
		-20 dBm- D1 -29.1+0 dBr	m e				
		-30 dBm					
		-40 dBm			m		
		-50 dBm-	Hard Bill, & Labolator	an a statum me	and the second	ulas de Marallano	No. 1. Charles in the
		and the second se	a designation and the second state de-				
		-70 dBm					
		Start 1.0 GHz		30001 p	ots		Stop 26.0 GHz
						05	440
		Date: 25 DEC 2019 11:31:27					
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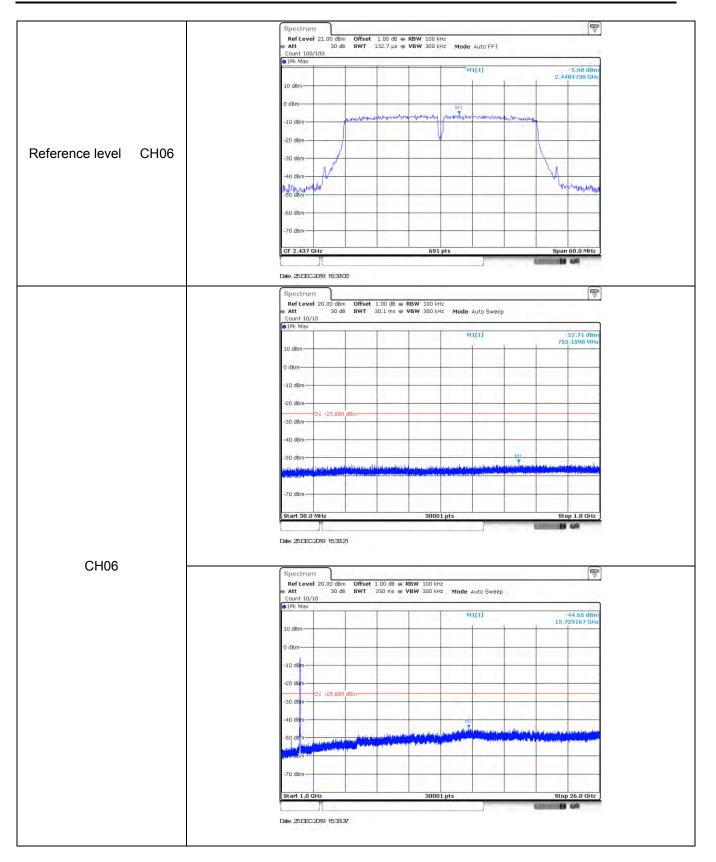


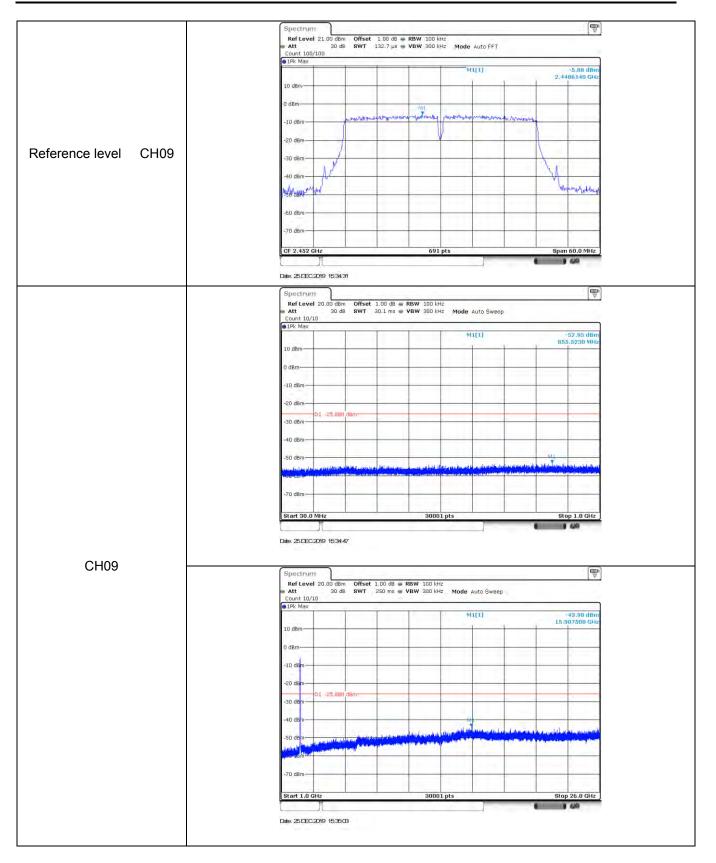
t Item:	SE	SE			802.11 n(HT20)				
		Spectrum							
		Ref Level 21.00 dB	m Offset 1.00 de	- RBW 100 kH	Mode Auto FFT				
		Count 100/100		· · · · · · · · · · · · · · · · · · ·	MOUE AUTO PPT				
		The mids	1	1 1	M1[1]		-2.79 dBm		
		18 dBm-		_	1	2.	4090910 GHz		
		0 dBm-		64.1					
			Marymonipulan	montenency	por man and provident	nonmunity			
Reference level CH01		-10 dBm							
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		-30 dBm				My tool	-		
		A Street					Share and		
		-40 dBm					hours		
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					10.7 4 (10.00	· · · ·	1		
		CF 2.412 GHz	8	691	pts		an 30.0 MHz		
			-79		1				
		Date: 25 DEC:2019 11:36	and the second se						
		Ref Level 20.00 dB	m Offset 1 nn 44	- RBW 100 PH	2		V		
					z Mode Auto Swee	p			
		IPk Max	1 1		and a		an pie des		
		10 dBm-			MI[I]	i i	-51.86 dBm 994.7230 MHz		
		10 0.00			4.4.4				
		0 dBm-							
		-10 dBm							
		-20 dBm							
		01 -22.79	0 dBm						
		-30 dBm-					5 m		
		-40 dBm							
		-50 dBm				Lan Shara	MI		
		para na fana a da a dalam di	in the second		la de colema publica la chevella de a construir en la colema de la co	el estéritents la pladat de	a shi bata tha and a shi		
					1.01				
		-70 dBm							
		Start 30.0 MHz		30001	L pts		Stop 1.0 GHz		
		L	-				9.40		
		Date: 25.DEC.2019 11.35	44						
CH01									
		Spectrum					2		
		Ref Level 20.00 dB Att 30 d			z Mode Auto Sweep	-			
		Count 10/10 1Pk Max							
		10 M			M1[1]	i, i	-44.56 dBm 5.850000 GHz		
		10 dBm-							
		0 dBm							
		-10 dem		_					
		-20 d8m-				-			
		01 -22,79	0 dBm						
		-30 d e m							
		-40 dBm		-	M		1		
		-50 dem	In the second	anne de sur builes	(In a star of the second	and the second second	معادية المعادلين		
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		to aproximation and a							
	1	-70 dBm					-		
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			1	3000	Ints		on 26 n cu-		
		Start 1.0 GHz		30001	L pts	St	op 26.0 GHz		
				30001	L pts				





Test Item:	SE	802.11 n(HT40)				Antenna 1		
		Spectrum						
		Ref Level 21.00 dBm	Offset 1.00 dB 👄	RBW 100 k	Hz	Teller -		1.
		Count 100/100	8WT 132.7 µs 🐲	VBW 300 k	Hz Mode	Auto FFT		
		• 1Pk Max	1	1	-	nitij		-5.86 dBm
		Cont 1 in 1				1 1	2.	4240840 GHz
		10 dBm						
Reference level CH03		0 dBm	-	-	MI		_	-
		-10 dBm	will generally generally and	and a second second	purenter	mannenanter	musik	
								1
		-20 dBm						
		-30 dBm		3				
		-40 dBm		-			M	
		Muller Januar Marker				1 · · · · · · · · ·		New waynes bit man
		-60 dBm-				1		
		-70 dBm	_				-	
		CF 2.422 GHz		201	nte			an 60.0 MHz
		GF 2.422 GHZ		691	pts	1		an 60.0 MHz
		Date: 25.DEC 2019 1531:20				1		
					_			(
		Ref Level 20.00 dBm	Offset 1.00 dB =	RBW 100 b	łz			
		Att 30 dB 1 Count 10/10	SWT 30.1 ms	VBW 300 kt	iz Mode	Auto Sweep		
		● 1Pk Max	-	1				-
		2000 C			M	u(t)		-52,43 dBm 747,7920 MHz
		10 dBm-						
		0 dBm		-				-
		-10 dBm-						
		-20 dBm- D1 -25,860 dBn						
		-30 dBm		-				-
		-40 dBm						-
		-50 dBm-				-10	11	
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		neerosbrinneerosbrinnee	arises and a technical satisfy and	and the second	and the second	research the side of the		
		-70 dBm	_					-
		Start 30.0 MHz		3000	1 pts	1		Stop 1.0 GHz
		Date: 25 DEC 2019 15:31:36	1			-	_	
CH03								6
		Spectrum Ref Level 20.00 dBm	Offset 1.00 dR =	RBW 100 M	12			V
			SWT 250 ms			Auto Sweep		
		• 1Pk Max	-	1				
					M	11(1)	2	-44.84 dBm 1.106667 GHz
		10 dBm						
		0 dBm	-	-				-
		-10 d8m			11111			
		-20 dBm						
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		manualment						-
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		Start 1.0 GHz	_	3000	1 pts			top 26.0 GHz
		Л					Caserral	B 49
		Date: 25 DEC 2019 1531:52						
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.....End of Report.....