TEST REPORT

For WiFi-2.4GHz Band

Report No::	CHTEW22080159	Report Verification:
Project No:	SHT2207038201EW	

FCC ID.....:: GVQ-CPE-0001

Applicant's name.....: Skyroam Technology Co., Ltd.

Address....: No.902,9th Floor, Weisheng Technology Building, No.9966

Shennan Avenue, Shenzhen, Guangdong, China

Product Name: LTE CPE

Trade Mark: SIMO, SKYROAM

Model No.: CPE-0001

Listed Model(s)

Standard:: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of receipt of test sample....: Jul. 12, 2022

Date of testing..... Jul. 13, 2022- Aug. 05, 2022

Date of issue..... Aug. 05, 2022

PASS Result.....:

Compiled by (Position+Printed name+Signature): File administrator Silvia Li

Silvia Li David Chen

(Position+Printed name+Signature): Project Engineer David Chen

Approved by

Supervised by

(Position+Printed name+Signature): RF Manager Hans Hu

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

Address....: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road,

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The test report merely correspond to the test sample.

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1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

- FCC Rules Part 15.247: 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
- ANSI C63.10:2013: 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
- KDB662911 D01 Multiple Transmitter Output v02r01: 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	2022-08-05	Original

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2. TEST DESCRIPTION

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

Note:

- The measurement uncertainty is not included in the test result.
- *1: No requirement on standard, only report these test data.

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3. **SUMMARY**

3.1. Client Information

Applicant:	Skyroam Technology Co., Ltd.	
Address:	No.902,9th Floor,Weisheng Technology Building,No.9966 Shennan Avenue,Shenzhen,Guangdong,China	
Manufacturer:	Skyroam Technology Co., Ltd.	
Address:	No.902,9th Floor,Weisheng Technology Building,No.9966 Shennan Avenue,Shenzhen,Guangdong,China	

3.2. Product Description

Main unit information:		
Product Name:	LTE CPE	
Trade Mark:	SIMO, SKYROAM	
Model No.:	CPE-0001	
Listed Model(s):	-	
Power supply:	DC 12V from AC adapter	
Hardware version:	CPE-0001 V1.1	
Software version:	V1.1.3	
Accessory unit information:		
Adapter information:	Model:DCT18W120150US-A0 Input: AC100-240V, 50/60Hz, 0.7A max Output: 12.0Vdc, 1.5A	

3.3. Radio Specification Description

Support type ^{*2} :	⊠ 802.11b	⊠ 802.11g	⊠ 802.11n
Support bandwidth:	⊠ 20MHz	⊠ 40MHz	
Madulation	802.11b:	DBPSK, DQPSK, BPSK, QPSK	
Modulation:	802.11g/n:	BPSK, QPSK, 16QAM, 64QAM	
Operation frequency:	802.11b/g/n(HT20):	2412MHz~2462MHz	
Operation frequency:	802.11n(HT40)	2422MHz~2452MHz	
Channel numbers	802.11b/g/n(HT20):	11	
Channel number:	802.11n(HT40)	7	
Channel separation:	5MHz		
Antenna technology:	nna technology: SISO MIMO		
Antenna Delivery:	☐ 1*TX+1*RX ☐ 2*TX+2*RX ☐		☐ 3*TX+3*RX
Antenna type:	External Antenna		
Antenna gain:	5.0dBi		

Note:

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3.4. Testing Laboratory Information

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		
Connect information:	Phone: 86-755-26715499 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn		
Qualifications	Туре	Accreditation Number	
Qualifications	FCC	762235	

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

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4. TEST CONFIGURATION

4.1. Test frequency list

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

802.11b/802.11g/802.11n(HT20)		1n(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.

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4.4. Test sample information

Test item	HTW sample no.	
RF Conducted test items	Please refer to the description in the appendix report	
RF Radiated test items	YPHT22070382008	
EMI test items	YPHT22070382008	

Note:

RF Conducted test items: Peak Output Power, Power Spectral Density, 6dB Bandwidth, 99% Occupied Bandwidth, Duty cycle, Conducted Band Edge and Spurious Emission

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

EMI test items: AC Conducted Emission

4.5. Support unit used in test configuration and system

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

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

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

4.6. Testing environmental condition

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

4.7. Statement of the measurement uncertainty

Test Item	Measurement Uncertainty					
AC Conducted Emission (150kHz~30MHz)	3.00 dB					
Radiated Emission (30MHz~1000MHz	4.36 dB					
Radiated Emissions (1GHz~25GHz)	5.10 dB					
Peak Output Power	0.77dB					
Power Spectral Density	0.77dB					
Conducted Spurious Emission	0.77dB					
6dB Bandwidth	70Hz for <1GHz 130Hz for >1GHz					

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

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4.8. Equipment Used during the Test

•	Conducted E	mission					
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Shielded Room	Albatross projects	HTWE0114	N/A	N/A	2018/09/28	2023/09/27
•	EMI Test Receiver	R&S	HTWE0111	ESCI	101247	2021/09/14	2022/09/13
•	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2021/09/17	2022/09/16
•	Pulse Limiter	R&S	HTWE0193	ESH3-Z2	101447	2021/09/16	2022/09/15
•	RF Connection Cable	HUBER+SUHNER	HTWE0113-02	ENVIROFLE X_142	EF-NM- BNCM-2M	2021/09/17	2022/09/16
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

•	Radiated emi	ssion-6th test sit	te				
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	2022/09/29
•	EMI Test Receiver	R&S	HTWE0099	ESCI	100900	2021/09/14	2022/09/13
•	Loop Antenna	R&S	HTWE0170	HFH2-Z2	100020	2021/04/06	2024/04/05
•	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0123	VULB9163	538	2021/04/06	2024/04/05
•	Pre-Amplifer	SCHWARZBECK	HTWE0295	BBV 9742	N/A	2021/11/05	2022/11/04
•	RF Connection Cable	HUBER+SUHNER	HTWE0062-01	N/A	N/A	2022/02/25	2023/02/24
•	RF Connection Cable	HUBER+SUHNER	HTWE0062-02	SUCOFLEX104	501184/4	2022/02/25	2023/02/24
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

•	Radiated em	ission-7th test s	ite				
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	C11121	2018/09/27	2022/09/26
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2021/09/13	2022/09/12
•	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2020/04/01	2023/03/31
•	Broadband Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	BBHA9170472	2020/04/27	2023/04/26
•	Pre-amplifier	CD	HTWE0071	PAP-0102	12004	2021/11/05	2022/11/04
•	Broadband Pre- amplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2022/02/28	2023/02/27
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-01	6m 18GHz S Serisa	N/A	2022/02/25	2023/02/24
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-02	6m 3GHz RG Serisa	N/A	2022/02/25	2023/02/24
•	RF Connection Cable	HUBER+SUHNER	HTWE0119-05	6m 3GHz RG Serisa	N/A	2022/02/25	2023/02/24
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-04	6m 3GHz RG Serisa	N/A	2022/02/25	2023/02/24
•	Test Software	Audix	N/A	E3	N/A	N/A	N/A

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5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

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

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

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,

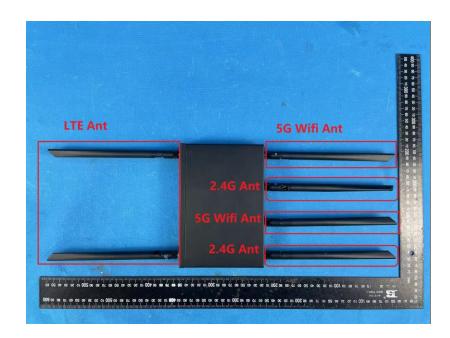
Array gain=10log(Nant/Nss) dB,

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≤4

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



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5.2. AC Conducted Emission

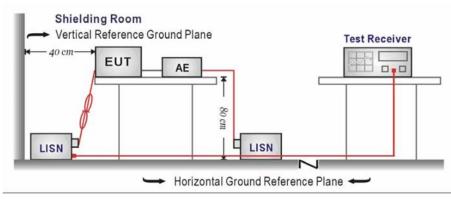
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

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

^{*} Decreases with the logarithm of the frequency.

TEST CONFIGURATION



TEST PROCEDURE

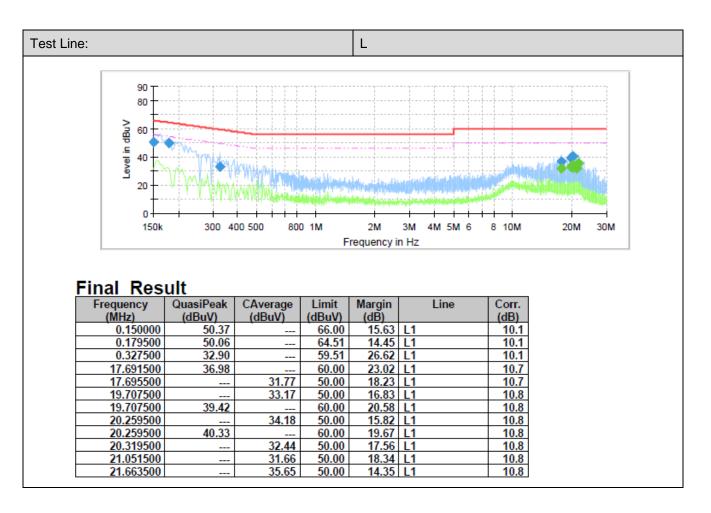
- 1. The EUT was setup according to ANSI C63.10 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from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

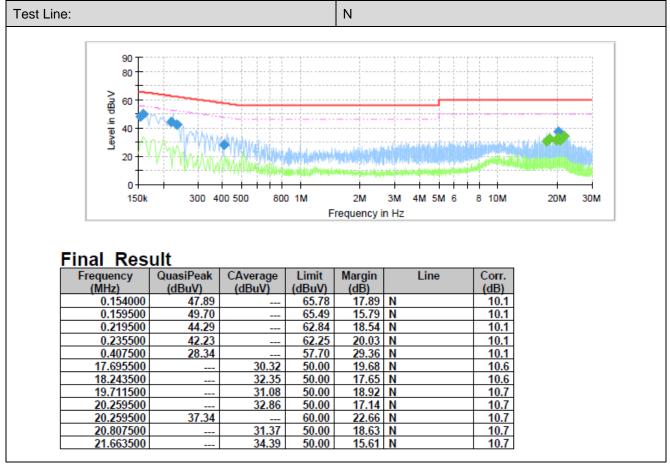
TEST MODE:

Please refer to the clause 4.2

TEST RESULT

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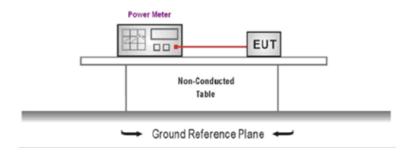
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5.3. Peak Output Power

LIMIT

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

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was tested according to ANSI C63.10 and KDB 558074 D01 requirements.
- 2. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
- 3. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.
- Record the measurement data.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

TEST DATA

Please refer to appendix A on the appendix report

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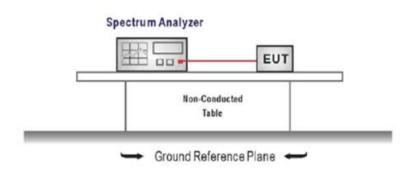
5.4. Power Spectral Density

LIMIT

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

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

TEST CONFIGURATION



TEST PROCEDURE

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

Center frequency=DTS channel center frequency

Span =1.5 times the DTS bandwidth

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

Sweep time = auto couple

Detector = peak

Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter wave form on the spectrum analyzer.
- 4. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 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

TEST DATA

Please refer to appendix B on the appendix report

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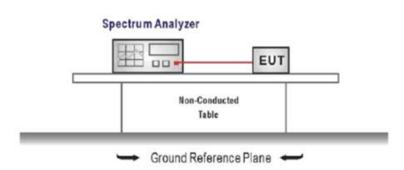
5.5. 6dB bandwidth

LIMIT

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

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

TEST CONFIGURATION



TEST PROCEDURE

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

Center Frequency =DTS channel center frequency

Span=2 x DTS bandwidth

RBW = 100 kHz, VBW ≥ 3 × RBW

Sweep time= auto couple

Detector = Peak

Trace mode = max hold

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

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

TEST DATA

Please refer to appendix C on the appendix report

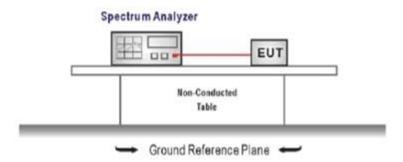
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5.6. 99% Occupied Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

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

Center Frequency = channel center frequency

Span≥1.5 x OBW

 $RBW = 1\%\sim5\%OBW$

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

TEST DATA

Please refer to appendix D on the appendix report

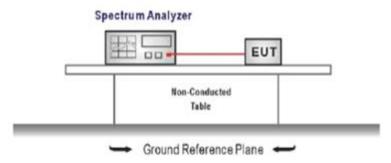
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5.7. Duty Cycle

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings:
 - Span=zero span, Frequency=centered channel, RBW= 1 MHz, VBW ≥ RBW
 - Sweep=as necessary to capture the entire dwell time,
 - Detector function = peak, Trigger mode
- 4. Measure and record the duty cycle data

TEST MODE:

Please refer to the clause 4.2

TEST DATA

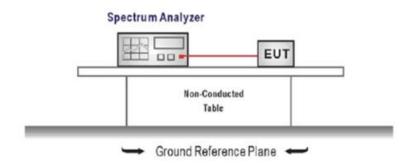
Please refer to appendix E on the appendix report

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5.8. Conducted Band edge and Spurious Emission LIMIT

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

TEST CONFIGURATION



TEST PROCEDURE

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

Center frequency=DTS channel center frequency

The span = 1.5 times the DTS bandwidth.

RBW = 100 kHz, VBW \geq 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 \geq 3 x RBW

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

Allow trace to fully stabilize

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

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

TEST MODE:

Please refer to the clause 4.2

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TEST RESUL	Γ
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oxedow Passed oxedow Not Applicable

TEST DATA

Please refer to appendix F on the appendix report

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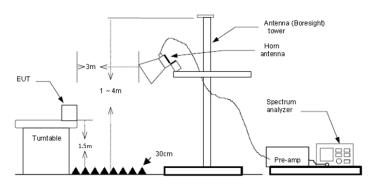
5.9. Radiated Band edge Emission

LIMIT

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

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

TEST CONFIGURATION



TEST PROCEDURE

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

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.6 duty cycle.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

Note:

- 1) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit
- Average measurement was not performed if peak level is lower than average limit(54 dBuV/m).
- 4) Pre-scan all modulation mode and antenna. 802.11b/g/n in the report only displays the worst antenna information. The worst antenna is antenna 1.

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Туре	802.11b		Test channel		CH01		Polarity		Horizontal
Mark	Frequency MHz	Readin dBuV/	•	Cable dB	e Preamp dB	Level dBuV/n		Over limit	
1	2310.00	38.23	27.96	5.95	37.56	54.58	74.00	-19.42	Peak
2	2390.01	38.57	27.72	6.19	37.45	55.03	74.00	-18.97	Peak
Mark	Frequency MHz	Reading dBuV/r		Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	29.01	27.96	5.95	37.56	45.36	54.00	-8.64	Average
2	2390.01	28.99	27.72	6.19	37.45	45.45	54.00	-8.55	Average

Туре	8	02.11b		Test channel	C	H01		Polarity		Vertical
Mar	k F	requency MHz	Readi dBuV	0	Cable dB	Preamp dB	Level dBuV/m		Over	
1	2	310.00	40.39	27.96	5.95	37.56	56.74	74.00	-17.26	Peak
2	2	387.63	45.76	27.72	6.18	37.46	62.20	74.00	-11.80	Peak
3	2	390.01	41.65	27.72	6.19	37.45	58.11	74.00	-15.89	Peak
Mari	c F	requency MHz	Readin dBuV/	_	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2	310.00	30.04	27.96	5.95	37.56	46.39	9 54.00	-7.61	Average
2	2	390.01	31.53	27.72	6.19	37.45	47.99	9 54.00	-6.01	Average

Гуре	802.11b	Т	est channel	C	H11	F	Polarity		Horizontal
Mark	Frequency MHz	Reading dBuV/m	•	Cable dB	Preamp dB	Level dBuV/m		Over limit	
1	2483.49	38.38	27.43	6.16	37.26	54.71	74.00	-19.29	Peak
2	2500.00	39.87	27.40	6.15	37.26	56.16	74.00	-17.84	Peak
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	29.68	27.43	6.16	37.26	46.01	54.00	-7.99	Average
2	2500.00	29.60	27.40	6.15	37.26	45.89	54.00	-8.11	Average

Туре	802.11b	Т	est channel	С	H11	F	Polarity		Vertical
Mark	Frequency MHz	Reading dBuV/m	,	Cable dB	Preamp dB	Level dBuV/m		Over limit	
1	2483.49	43.86	27.43	6.16	37.26	60.19	74.00	-13.81	l Peak
2	2485.25	47.30	27.43	6.16	37.26	63.63	74.00	-10.37	7 Peak
3	2500.00	40.71	27.40	6.15	37.26	57.00	74.00	-17.00	Peak
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	33.38	27.43	6.16	37.26	49.71	54.00	-4.29	Average
2	2500.00	32.18	27.40	6.15	37.26	48.47	54.00	-5.53	Average

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Туре	802.11g		Test channel		CH01		Polarity		Horizontal
Mark	Frequency MHz	Readir dBuV/	0	Cabl dB	e Preamp dB	Leve dBuV/r		Over limit	
1	2310.00	38.51	27.96	5.95	37.56	54.86	74.00	-19.14	Peak
2	2390.01	38.70	27.72	6.19	37.45	55.16	74.00	-18.84	Peak
Mark	Frequency MHz	Readin dBuV/	_	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	29.04	27.96	5.95	37.56	45.39	54.00	-8.61	Average
2	2390.01	29.05	27.72	6.19	37.45	45.51	54.00	-8.49	Average

Туре	802.11g	Т	est channel		CH01	F	Polarity		Vertical
Mark	Frequency MHz	Reading dBuV/m	•	Cable dB	e Preamp dB	Level dBuV/m		Over limit	
1	2310.00	40.59	27.96	5.95	37.56	56.94	74.00	-17.0	5 Peak
2	2390.01	51.78	27.72	6.19	37.45	68.24	74.00	-5.7	5 Peak
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	29.99	27.96	5.95	37.56	46.34	54.00	-7.66	Average
2	2390.01	31.65	27.72	6.19	37.45	48.11	54.00	-5.89	Average

Type	802.11g		Test channel	C	H11		Polarity		Horizontal
Mark	Frequency MHz	Reading dBuV/r	_	Cable dB	Preamp dB	Level dBuV/m		Over limit	
1	2483.49	38.75	27.43	6.16	37.26	55.08	74.00	-18.92	Peak
2	2500.00	40.41	27.40	6.15	37.26	56.70	74.00	-17.30	Peak
Mark	Frequency MHz	Reading dBuV/m	•	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	29.41	27.43	6.16	37.26	45.74	4 54.00	-8.26	Average
2	2500.00	29.73	27.40	6.15	37.26	46.02	2 54.00	-7.98	Average

Туре	802.11g		Test channel	(CH11		Polarity		Vertical
Mark	Frequency MHz	Reading dBuV/m		Cable dB	Preamp dB	Level dBuV/m		Over limit	Remark
1	2483.49	47.95	27.43	6.16	37.26	64.28	74.00	-9.72	Peak
2	2500.00	38.93	27.40	6.15	37.26	55.22	74.00	-18.78	Peak
Mark	Frequency MHz	Readin dBuV/	0	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	32.88	27.43	6.16	37.26	49.23	1 54.00	-4.79	Average
2	2500.00	32.00	27.40	6.15	37.26	48.29	54.00	-5.71	Average

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Туре	802.11n(H	T20)	Test channel	(CH01	F	Polarity		Horizontal
Mark	Frequency MHz	Readir dBuV	0	Cable dB	Preamp	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	38.27	27.96	5.95	37.56	54.62	74.00	-19.38	Peak
2	2390.01	38.75	27.72	6.19	37.45	55.21	74.00	-18.79	Peak
Mark	Frequency MHz	Readir dBuV/		Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	28.90	27.96	5.95	37.56	45.25	54.00	-8.75	Average
2	2390.01	28.68	27.72	6.19	37.45	45.14	54.00	-8.86	Average

Туре		802.11n(H	T20)	Test channel	(CH01		Polarity		Vertical
Mar	k	Frequency MHz	Readi dBuV	0	Cable dB	Preamp dB	Level dBuV/n		Over limit	
1		2310.00	39.99	27.96	5.95	37.56	56.34	74.00	-17.66	Peak
2		2390.01	42.51	27.72	6.19	37.45	58.97	74.00	-15.03	Peak
Mar	k	Frequency MHz	Readin dBuV/	_	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1		2310.00	29.98	27.96	5.95	37.56	46.33	54.00	-7.67	Average
2		2390.01	30.46	27.72	6.19	37.45	46.92	54.00	-7.08	Average

Туре	802.11n(H	IT20)	Test channel	С	H11	F	Polarity		Horizontal
Mark			0	Cable		Level	Limit	0ver	Remark
1	MHz 2483.49	dBuV, 40.95	/m dB 27.43	dB 6.16	dB 37.26	dBuV/m 57.28	dBuV/m 74.00	limit -16.72	Peak
2	2484.22	45.61	27.43	6.16	37.26	61.94	74.00	-12.06	Peak
3	2500.00	38.46	27.40	6.15	37.26	54.75	74.00	-19.25	Peak
Mark	Frequency MHz	Reading dBuV/n	•	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	29.20	27.43	6.16	37.26	45.53	54.00	-8.47	Average
2	2500.00	29.01	27.40	6.15	37.26	45.30	54.00	-8.70	Average

Test channel CH11 Polarity Vertical	С	est channel	Γ20)	802.11n(H	Туре
ng Antenna Cable Preamp Level Limit Over Remark	 Cable	Antenna	Readi	Frequency	Mark
			dBuV	MHz	
27.43 6.16 37.26 67.38 74.00 -6.62 Peak	6.16	27.43	51.05	2483.49	1
27.40 6.15 37.26 57.63 74.00 -16.37 Peak	6.15	27.40	41.34	2500.00	2
			Readi dBuV	Frequency MHz	Mark
27.43 6.16 37.26 50.05 54.00 -3.95 Average	5.16	27.43	33.72	2483.49	1
27.40 6.15 37.26 47.91 54.00 -6.09 Average	.15	27.40	31.62	2500.00	2
27.43 6.16 37.26 67.38 74.00 -6.62 Peak 27.40 6.15 37.26 57.63 74.00 -16.37 Peak ng Antenna Cable Preamp Level Limit Over Remark /m dB dB dB dBuV/m dBuV/m limit 27.43 6.16 37.26 50.05 54.00 -3.95 Average	6.16 6.15 Cable dB	27.43 27.40 Antenna dB 27.43	51.05 41.34 Reading dBuV, 33.72	2483.49 2500.00 Frequency MHz 2483.49	Mark

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Туре	802.11n(H	Γ40)	Test channe	1 (CH03		Polarity		Horizontal
Mark	Frequency MHz	Readi dBuV	_	Cable dB	Preamp dB	Level dBuV/m		Over limit	Remark
1	2310.00	39.35	27.96	5.95	37.56	55.70	74.00	-18.30	Peak
2	2390.01	39.73	27.72	6.19	37.45	56.19	74.00	-17.81	Peak
Mark	Frequency MHz	Readin dBuV/	•	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	28.66	27.96	5.95	37.56	45.01	L 54.00	-8.99	Average
2	2390.01	28.72	27.72	6.19	37.45	45.18	54.00	-8.82	Average

уре	802.11n(H	Γ40)	Test channel	C	H03		Polarity		Vertical
Mark	Frequency MHz	Readi dBuV	•	Cable dB	Preamp dB	Level dBuV/m		Over limit	Remark
1	2310.00	38.69	27.96	5.95	37.56	55.04	74.00	-18.96	Peak
2	2390.01	47.76	27.72	6.19	37.45	64.22	74.00	-9.78	Peak
Mark	Frequency MHz	Readir dBuV/	•	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	30.04	27.96	5.95	37.56	46.3	9 54.00	-7.61	Average
2	2390.01	30.57	27.72	6.19	37.45	47.0	3 54.00	-6.97	Average

Туре	802.11n(H	T40)	Test channel	C	H09		Polarity		Horizontal
Mark	Frequency MHz	Readin dBuV/	•	Cable dB	Preamp dB	Level dBuV/m		Over limit	Remark
1	2483.49	37.75	27.43	6.16	37.26	54.08	74.00	-19.92	Peak
2	2500.00	38.92	27.40	6.15	37.26	55.21	74.00	-18.79	Peak
Mark	Frequency MHz	Readin dBuV/	_	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	28.72	27.43	6.16	37.26	45.05	54.00	-8.95	Average
2	2500.00	28.75	27.40	6.15	37.26	45.04	54.00	-8.96	Average

Type	802.11n(H	T40)	Test channel	C	CH09		Polarity		Vertical
Mark	Frequency MHz	Readir dBuV/	0	Cable dB	Preamp dB	Level dBuV/m		Over limit	Remark
1	2483.49	54.09	27.43	6.16	37.26	70.42	74.00	-3.58	Peak
2	2500.00	40.53	27.40	6.15	37.26	56.82	74.00	-17.18	Peak
Mark	Frequency MHz	Readi dBuV	_	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.49	31.94	27.43	6.16	37.26	48.27	7 54.00	-5.73	Average
2	2500.00	31.03	27.40	6.15	37.26	47.32	2 54.00	-6.68	Average

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5.10. Radiated Spurious Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

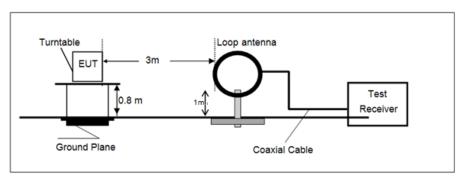
Frequency	Limit (dBuV/m)	Value
0.009 MHz ~0.49 MHz	2400/F(kHz) @300m	Quasi-peak
0.49 MHz ~ 1.705 MHz	24000/F(kHz) @30m	Quasi-peak
1.705 MHz ~30 MHz	30 @30m	Quasi-peak

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

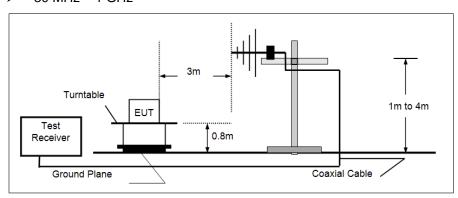
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above 1GHz	74.00	Peak

TEST CONFIGURATION

→ 9 kHz ~ 30 MHz

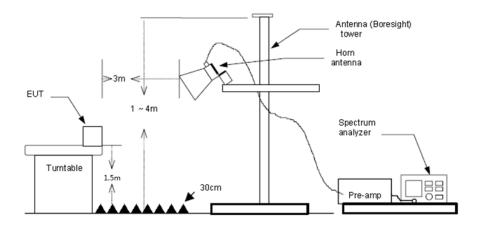


> 30 MHz ~ 1 GHz



Above 1 GHz

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TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 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.
 - 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) Over Limit = Level- Limit
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.

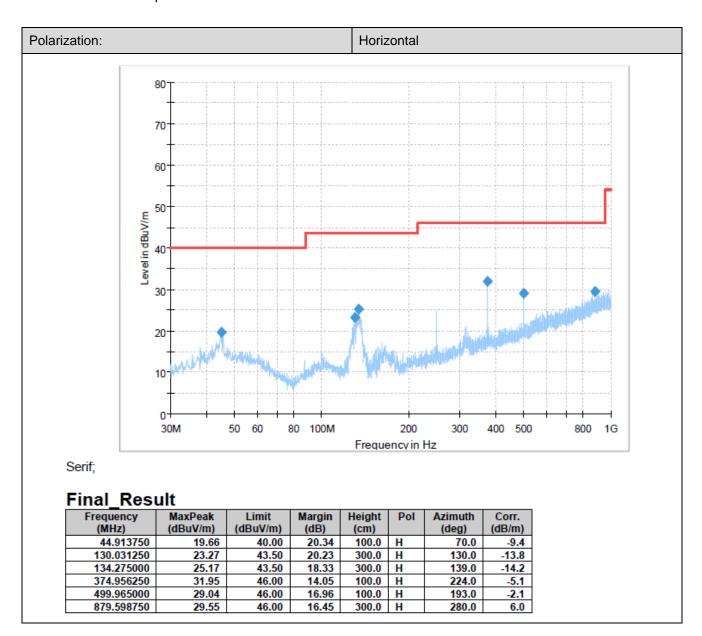
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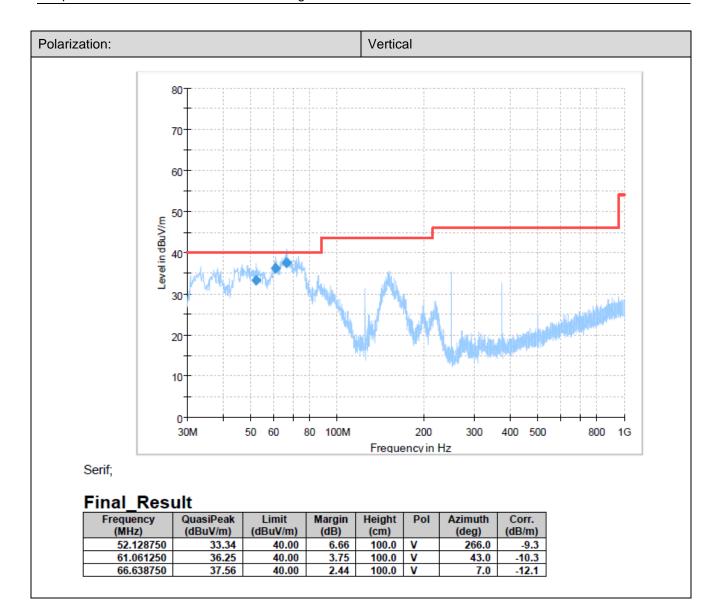
FOR 9 kHz ~ 30 MHz

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

FOR 30 MHz ~ 1000 MHz

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





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FOR 1 GHz ~ 25 GHz

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

Туре		802.11b		Test channe	I	CH01		Polarity		Horizontal	
	Mark	Frequency	Readir	_	Cabl				0ver		
	_	MHz	dBuV/		dB	dB	dBuV/		limit		
	1	4821.76	41.64	31.40	9.01		46.81	74.00	-27.19		
	2	7099.75	32.74	36.10	11.13		46.06	74.00	-27.94		
	3	8042.90	32.84	37.19	12.20		48.92	74.00	-25.08		
	4	9088.19	33.30	38.33	14.15	36.10	49.68	74.00	-24.32	Peak	
Туре		802.11b		Test channe	I	CH01		Polarity		Vertical	
_	Mark	Frequency MHz	Readir dBuV/		Cabl dB	e Preamp dB	Leve]		Over limit	Remark	
	1	4821.76	45.37	31.40	9.01		50.54	74.00	-23.46	Peak	
	2	4996.69	39.71	31.87	9.32		45.66	74.00	-28.34	Peak	
	3	9088.19	32.62	38.33	14.15		49.00	74.00	-25.00	Peak	
	4	10888.51	30.58	40.57	14.53		48.92	74.00	-25.08	Peak	
Туре		802.11b		Test channel	I	CH06		Polarity		Horizontal	
-											
	Mark	Frequency	Readir		Cab]				0ver		
		MHz	dBuV,	/m dB	dB	dB	dBuV/	m dBuV/m	limit	:	
	1	4871.10	40.88	31.40	9.08		46.20	74.00	-27.80	Peak	
	2	5865.83	35.72	32.23	10.07	7 34.94	43.08	74.00	-30.92		
	3	7921.00	33.15	36.84	11.96		48.62	74.00	-25.38		
	4	9251.58	32.39	39.01	13.96	36.13	49.23	74.00	-24.77	Peak	
Туре		802.11b		Test channe		CH06		Polarity		Vertical	
-											
	Mark	Frequency	Readi	ng Antenna	Cab:	le Preamp) Leve	el Limit	0ve	r Remark	
		MHz	dBuV,	/m dB	dB	dB	dBuV/	m dBuV/m	limi	t	
	1	4871.10	45.09	31.40	9.0	8 35.16	50.41	74.00	-23.5	9 Peak	
	2	4996.69	41.35	31.87	9.3	2 35.24	47.30	74.00	-26.7	9 Peak	
	3	7394.88	34.26	36.59	11.4	7 34.02	48.30	74.00	-25.7	9 Peak	
	4	8725.48	32.25	37.70	13.90	0 34.75	49.10	74.00	-24.9	9 Peak	
Туре		802.11b		Test channe	l	CH11		Polarity		Horizontal	
	Mark	Frequency	Readi		Cab]				0ver		
		MHz	dBuV,	/m dB	dB	dB	dBuV/	m dBuV/m	limit		
	1	3376.24	41.87	28.51	7.33		40.79	74.00	-33.21		
	2	4933.50	36.25	31.47	9.20		41.72	74.00	-32.28		
	3	6764.54	33.84		10.86		44.73	74.00	-29.27		
	4	8022.46	32.66	37.14	12.21	33.31	48.70	74.00	-25.30	Peak	
Туре		802.11b		Test channe		CH11		Polarity		Vertical	
	Mark	Frequency	Readin	_	Cabl		Leve.		0ver		
		MHz	dBuV/		dB	dB	dBuV/r		limit		
	1	4920.96	42.59	31.44	9.17		47.99	74.00	-26.01		
	2	4983.99	40.93	31.77	9.30		46.78	74.00	-27.22		
	3	7489.60	33.60	36.60	11.47		47.73	74.00	-26.27		
	4	8593.22	33.42	37.36	14.09	35.38	49.49	74.00	-24.51	Peak	

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Туре		802.11g		Test channe	el	CH01		Polarity		Horizontal	
71											
	Mark	Frequency	Readi	•					0ver		
	_	MHz	dBuV		dB	dB	dBuV/				
	1	3120.06	42.95		7.03		41.65	74.00	-32.35		
	2	4821.76	42.36		9.01		47.53	74.00	-26.47		
	3	7209.02	32.48		11.28		46.23	74.00	-27.77		
	4	9275.16	32.13	39.10	13.92	36.22	48.93	74.00	-25.07	7 Peak	
Туре		802.11g		Test channe	el	CH01		Polarity		Vertical	
	Mark	Frequency	Read						Ove		
		MHz	dBu\		dB	dB	dBuV,				
	1	4834.05	45.0		9.02		50.22	74.00	-23.7		
	2	5762.24	37.8		9.95		44.82	74.00	-29.1		
	3	8063.40	33.2		12.19		49.27	74.00	-24.7		
	4	9275.16	33.5	7 39.10	13.92	36.22	50.37	74.00	-23.6	3 Peak	
Туре		802.11g		Test channe	el	CH06		Polarity		Horizontal	
	Mark	Frequency	Readi	•					0ver		
		MHz	dBuV	//m dB	dB	dB	dBuV/	m dBuV/m	limit	:	
	1	3241.50	46.43	28.73	7.12	36.87	45.41	74.00	-28.59	Peak	
	2	4871.10	41.80	31.40	9.08	35.16	47.12	74.00	-26.88	8 Peak	
	3	8083.96	32.85	37.20	12.19	33.32	48.92	74.00	-25.08	B Peak	
	4	9111.35	33.72		14.14		50.24	74.00	-23.76		
Туре		802.11g		Test channe	el	CH06		Polarity		Vertical	
				•							
	MI-		D42	^_	C-1-1	D		1 12-24	0	DI-	
	Mark	Frequency	Readi						0ver		
		MHz	dBuV		dB	dB	dBuV/		limit		
	1	4871.00	46.46		9.08	35.15	51.		-2.21		
	2	4871.10	48.15		9.08	35.16	53.47	74.00	-20.53		
	3	4996.69	40.55		9.32	35.24	46.50	74.00	-27.50		
	4 5	8083.96 10374.42	32.17 33.25		12.19 14.30	33.32 37.29	48.24 50.11	74.00 74.00	-25.76 -23.89		
		10374.42	33.23	33.03			50.11	74.00	23.03	reuk	
Туре		802.11g		Test channe	el	CH11		Polarity		Horizontal	
	Mark	Frequency	Readi						0ver	Remark	
		MHz	dBu∖	•	dB	dB	dBuV/ı		limit		
	1	4920.96	47.74		9.17	35.21	53.14	74.00	-20.86	Peak	
	2	4921.00	40.24		9.17	35.21	45.		-8.36	Average	
	3	4996.69	40.07		9.32	35.24	46.02	74.00	-27.98	Peak	
	4	5762.24	36.79		9.95	34.86	43.80	74.00	-30.20	Peak	
	5	8042.90	33.02	37.19	12.20	33.31	49.10	74.00	-24.90	Peak	
Туре		802.11g		Test channe	el	CH11		Polarity		Vertical	
			Readi	ing Antenna	Cable	Preamp	Leve	l Limit	0ver	Remark	
	Mark	rrequency			dB	dB	dBuV/r		limit		
	Mark	Frequency MHz		//m ab							
		MHz	dBuV			35.21	53.63	74.00	-20.37	Peak	
	1	MHz 4920.96	dBuV 48.23	31.44	9.17	35.21 35.21	53.63 51.3	74.00 26 54.00	-20.37 -2.74	Peak Average	
	1 2	MHz 4920.96 4921.00	dBuV 48.23 45.86	31.44 31.44	9.17 9.17	35.21	51.2	26 54.00	-2.74	Average	
	1 2 3	MHz 4920.96 4921.00 4996.69	dBuV 48.23 45.86 39.96	31.44 31.44 31.87	9.17 9.17 9.32	35.21 35.24	51.2 45.91	26 54.00 74.00	-2.74 -28.09	Average Peak	
	1 2	MHz 4920.96 4921.00	dBuV 48.23 45.86	31.44 31.44 31.87 37.14	9.17 9.17	35.21	51.2	26 54.00	-2.74	Average	

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Mark	Type		802.11n(H	T20)	Test channe	el	CH01		Polarity		Horizontal	
1 3288.66 43.21 28.87 7.86 36.94 42.20 74.80 -31.80 Peak 2.86 736.19 33.38 34.30 18.83 34.41 44.10 74.80 -25.66 Peak 4.911.35 33.46 38.45 14.14 36.67 49.98 74.80 -24.92 Peak 4.911.35 33.36 38.45 14.14 36.67 49.98 74.80 -24.92 Peak 4.911.35 33.46 38.45 14.14 36.67 49.98 74.80 -24.92 Peak 4.911.35 33.46 38.45 14.14 36.67 49.98 74.80 -24.92 Peak 4.911.35 34.94 49.42 49.42 49.42 33.140 9.62 35.20 48.31 74.80 -25.69 Peak 4.942.94 33.14 38.98 31.87 9.92 35.24 46.83 74.80 -27.97 Peak 4.942.94 33.14 38.98 14.13 36.17 49.18 74.80 -27.81 Peak 4.942.94 33.14 38.98 41.13 36.17 49.18 74.80 -27.81 Peak 4.942.94 33.14 38.98 41.13 36.17 49.18 74.80 -27.81 Peak 4.82 74.80 -27.42 Peak 4.82 74.80 -27.42 Peak 4.82 74.80 -27.42 Peak 4.82 74.80 -28.25 Peak 4.8	,	Mark	Frequency	Readin	ng Antenna	Cabl	e Preamp	Leve	l Limit	0ver	Remark	
2			MHz	dBuV,	/m dB	dB	dB	dBuV/r	m dBuV/m	limit		
3		1	3208.66	43.21	28.87	7.06	36.94	42.20	74.00	-31.80	Peak	
Type		2	4821.76	40.17	31.40	9.01	35.24	45.34	74.00	-28.66	Peak	
Type		3	6730.19	33.38	34.30	10.83	34.41	44.10	74.00	-29.90	Peak	
Mark		4										
Mark	Туре		802.11n(H	T20)	Test channe	el l	CH01		Polarity		Vertical	
Mark												
1		Mark			•							
2		1										
3												
Type												
Mark												
Mark	Туре		802.11n(H	T20)	Test channe	el	CH06		Polarity		Horizontal	
Mile												
1 3266.35 42.50 28.63 7.17 36.85 41.45 74.00 -32.55 Peak 2 4736.60 35.66 31.40 9.27 35.58 40.75 74.00 -33.25 Peak 3 7604.87 31.71 36.39 31.67 33.19 46.58 74.00 -27.42 Peak 4 8703.29 31.90 37.70 13.95 34.71 48.84 74.00 -25.16 Peak Type		Mark			_							
2 4736.60 35.66 31.40 9.27 35.58 40.75 74.00 -33.25 Peak 3 7604.87 31.71 36.39 11.67 33.19 46.58 74.00 -27.42 Peak 4 8703.29 31.90 37.70 13.95 34.71 48.84 74.00 -25.16 Peak Type 802.11n(HT20) Test channel CH06 Polarity Vertical Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark 1 4871.10 42.30 31.40 9.08 35.16 47.62 74.00 -26.38 Peak 2 4996.69 40.58 31.87 9.32 35.24 46.53 74.00 -27.47 Peak 3 6645.07 33.60 34.30 10.74 34.54 44.10 74.00 -29.90 Peak 4 9275.16 32.68 39.10 13.92 36.22 49.48 74.00 -24.52 Peak Type 802.11n(HT20) Test channel CH11 Polarity Horizontal Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark 4 9275.16 32.68 39.10 13.92 36.22 49.48 74.00 -30.37 Peak 2 4996.69 37.29 31.87 9.32 35.24 43.24 74.00 -30.37 Peak 3 7432.62 33.34 36.60 11.48 33.98 47.44 74.00 -30.76 Peak 4 9088.19 32.03 38.33 14.15 36.10 48.41 74.00 -25.59 Peak Type 802.11n(HT20) Test channel CH11 Polarity Vertical		1										
3												
Type 802.11n(HT20) Test channel CH06 Polarity Vertical Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark dBuV/m dBu												
Type 802.11n(HT20) Test channel CH06 Polarity Vertical Mark												
Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark		4	8/03.29	31.90	37.70	13.95	34./1	48.84	74.66	-25.1	ь Реак	
MHz												
MHz	Туре		802.11n(H	T20)	Test channe	el	CH06		Polarity		Vertical	
1	Туре		802.11n(H									
2 4996.69 40.58 31.87 9.32 35.24 46.53 74.00 -27.47 Peak 3 6645.07 33.60 34.30 10.74 34.54 44.10 74.00 -29.90 Peak 4 9275.16 32.68 39.10 13.92 36.22 49.48 74.00 -24.52 Peak Type 802.11n(HT20) Test channel CH11 Polarity Horizontal Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark 1 3184.25 44.71 28.93 7.04 37.05 43.63 74.00 -30.37 Peak 2 4996.69 37.29 31.87 9.32 35.24 43.24 74.00 -30.76 Peak 3 7432.62 33.34 36.60 11.48 33.98 47.44 74.00 -26.56 Peak 4 9088.19 32.03 38.33 14.15 36.10 48.41 74.00 -25.59 Peak Type 802.11n(HT20) Test channel CH11 Polarity Vertical Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark MHz dBuV/m dB dB dB dB dB dBuV/m dBuV/m limit 1 3249.76 46.50 28.70 7.14 36.87 45.47 74.00 -28.53 Peak 2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -28.53 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak	Туре	Mark							l Limit	Over		
Type 802.11n(HT20) Test channel CH11 Polarity Horizontal	Type	Mark	Frequency	Readi	ng Antenna	Cabl	e Preamp		l Limit		Remark	
Type 802.11n(HT20) Test channel CH11 Polarity Horizontal Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark	Туре		Frequency MHz	Readi dBuV	ng Antenna //m dB	Cab]	e Preamp	dBuV/	l Limit m dBuV/m	limit	Remark	
Type 802.11n(HT20) Test channel CH11 Polarity Horizontal Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark	Type	1	Frequency MHz 4871.10	Readi dBuV 42.30	ng Antenna //m dB 31.40	Cab] dB 9.08	e Preamp dB 35.16	dBuV/ 47.62	l Limit m dBuV/m 74.00	limit -26.38	Remark B Peak	
Mark	Type	1 2	Frequency MHz 4871.10 4996.69	Readi dBuV 42.30 40.58	ng Antenna /m dB 31.40 31.87	Cabl dB 9.08	e Preamp dB 35.16	dBuV/ 47.62 46.53	l Limit m dBuV/m 74.00 74.00	limit -26.38 -27.47	Remark t 3 Peak 7 Peak	
MHz	Type	1 2 3	Frequency MHz 4871.10 4996.69 6645.07	Readi dBuV 42.30 40.58 33.60	ng Antenna /m dB 31.40 31.87 34.30	Cabl dB 9.08 9.32	dB 35.16 35.24 34.54	dBuV/ 47.62 46.53 44.10	l Limit m dBuV/m 74.00 74.00 74.00	limit -26.38 -27.47 -29.90	Remark t 3 Peak 7 Peak 9 Peak	
MHz		1 2 3	Frequency MHz 4871.10 4996.69 6645.07 9275.16	Readi dBuV 42.30 40.58 33.60 32.68	ng Antenna //m dB 31.40 31.87 34.30 39.10	Cabl dB 9.08 9.32 10.74 13.92	dB 35.16 35.24 34.54 36.22	dBuV/ 47.62 46.53 44.10	l Limit m dBuV/m 74.00 74.00 74.00 74.00	limit -26.38 -27.47 -29.90	Remark B Peak 7 Peak D Peak D Peak	
MHz		1 2 3	Frequency MHz 4871.10 4996.69 6645.07 9275.16	Readi dBuV 42.30 40.58 33.60 32.68	ng Antenna //m dB 31.40 31.87 34.30 39.10	Cabl dB 9.08 9.32 10.74 13.92	dB 35.16 35.24 34.54 36.22	dBuV/ 47.62 46.53 44.10	l Limit m dBuV/m 74.00 74.00 74.00 74.00	limit -26.38 -27.47 -29.90	Remark B Peak 7 Peak D Peak D Peak	
1 3184.25 44.71 28.93 7.04 37.05 43.63 74.00 -30.37 Peak 2 4996.69 37.29 31.87 9.32 35.24 43.24 74.00 -30.76 Peak 3 7432.62 33.34 36.60 11.48 33.98 47.44 74.00 -26.56 Peak 4 9088.19 32.03 38.33 14.15 36.10 48.41 74.00 -25.59 Peak Type 802.11n(HT20) Test channel CH11 Polarity Vertical Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark MHz dBuV/m dB dB dB dBuV/m dBuV/m limit 1 3249.76 46.50 28.70 7.14 36.87 45.47 74.00 -28.53 Peak 2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -31.39 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak		1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H	Readi dBuV 42.30 40.58 33.60 32.68	ng Antenna //m dB 31.40 31.87 34.30 39.10 Test channe	Cabl dB 9.08 9.32 10.74 13.92	e Preamp dB 35.16 35.24 34.54 36.22	dBuV/ 47.62 46.53 44.10 49.48	l Limit m dBuV/m 74.00 74.00 74.00 74.00	limit -26.38 -27.47 -29.96 -24.52	Remark Reak Peak Peak Peak Peak Peak Horizontal	
2 4996.69 37.29 31.87 9.32 35.24 43.24 74.00 -30.76 Peak 3 7432.62 33.34 36.60 11.48 33.98 47.44 74.00 -26.56 Peak 4 9088.19 32.03 38.33 14.15 36.10 48.41 74.00 -25.59 Peak Type 802.11n(HT20) Test channel CH11 Polarity Vertical Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark MHz dBuV/m dB dB dB dBuV/m dBuV/m limit 1 3249.76 46.50 28.70 7.14 36.87 45.47 74.00 -28.53 Peak 2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -31.39 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak		1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H	Readi dBuV 42.30 40.58 33.60 32.68 T20)	ng Antenna //m dB 31.40 31.87 34.30 39.10 Test channe	Cabl dB 9.08 9.32 10.74 13.92	Preamp	dBuV/ 47.62 46.53 44.10 49.48	l Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity	limit -26.38 -27.47 -29.96 -24.52	Remark Reak Peak Peak Peak Peak Peak Horizontal	
3 7432.62 33.34 36.60 11.48 33.98 47.44 74.00 -26.56 Peak 9088.19 32.03 38.33 14.15 36.10 48.41 74.00 -25.59 Peak Type 802.11n(HT20) Test channel CH11 Polarity Vertical Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark dBuV/m dBuV/m dB dB dB dBuV/m dBuV/m limit 1 3249.76 46.50 28.70 7.14 36.87 45.47 74.00 -28.53 Peak 2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -31.39 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak		1 2 3 4 Mark	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H	Readin dBuV 42.30 40.58 33.60 32.68 T20)	ng Antenna //m dB 31.40 31.87 34.30 39.10 Test channe	Cabl dB 9.08 9.32 10.74 13.92	Preamp dB 35.16 35.24 34.54 36.22 CH11	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m	l Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m	limit -26.38 -27.47 -29.90 -24.52 Over limit	Remark Peak Peak Peak Peak Peak Horizontal	
A 9088.19 32.03 38.33 14.15 36.10 48.41 74.00 -25.59 Peak Type 802.11n(HT20) Test channel CH11 Polarity Vertical Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark dBuV/m dBuV/m limit 1 3249.76 46.50 28.70 7.14 36.87 45.47 74.00 -28.53 Peak 2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -31.39 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak		1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H	Readin dBuV 42.30 40.58 33.60 32.68 T20)	ng Antenna //m dB 31.40 31.87 34.30 39.10 Test channe g Antenna m dB 28.93	Cabl dB 9.08 9.32 10.74 13.92	Preamp dB 35.16 35.24 34.54 36.22 CH11 Preamp dB 37.05	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63	l Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00	limit -26.38 -27.47 -29.90 -24.52 Over limit -30.37	Remark Peak Peak Peak Peak Horizontal Remark	
Type 802.11n(HT20) Test channel CH11 Polarity Vertical Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark MHz dBuV/m dB dB dB dB dBuV/m dBuV/m limit 1 3249.76 46.50 28.70 7.14 36.87 45.47 74.00 -28.53 Peak 2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -31.39 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak		1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H	Readin dBuV 42.30 40.58 33.60 32.68 T20) 	ng Antenna //m dB 31.40 31.87 34.30 39.10 Test channe g Antenna dB 28.93 31.87	Cabl dB 9.08 9.32 10.74 13.92 Cable dB 7.04 9.32	Preamp dB 35.16 35.24 34.54 36.22 CH11 Preamp dB 37.05 35.24	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63 43.24	l Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00	limit -26.38 -27.47 -29.96 -24.52 Over limit -30.37 -30.76	Remark Peak Peak Peak Horizontal Remark Peak Peak	
Mark Frequency Reading Antenna Cable Preamp Level Limit Over Remark MHz dBuV/m dB dB dB dBuV/m dBuV/m limit 1 3249.76 46.50 28.70 7.14 36.87 45.47 74.00 -28.53 Peak 2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -31.39 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak		1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H Frequency MHz 3184.25 4996.69 7432.62	Readin dBuV/ 40.58 33.60 32.68 T20) Readin dBuV/ 44.71 37.29 33.34	ng Antenna //m dB 31.40 31.87 34.30 39.10 Test channe g Antenna dB 28.93 31.87 36.60	Cable 9.08 9.32 10.74 13.92 Cable dB 7.04 9.32 11.48	Preamp dB 35.16 35.24 34.54 36.22 CH11 Preamp dB 37.05 35.24 33.98	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63 43.24 47.44	l Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 74.00 74.00	limit -26.38 -27.47 -29.96 -24.52 Over limit -30.37 -30.76 -26.56	Remark Peak Peak Horizontal Remark Peak Peak	
MHz dBuV/m dB dB dB dBuV/m dBuV/m limit 1 3249.76 46.50 28.70 7.14 36.87 45.47 74.00 -28.53 Peak 2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -31.39 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak	Туре	1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H Frequency MHz 3184.25 4996.69 7432.62 9088.19	Readi dBuV 42.38 33.68 32.68 T20) Readin dBuV/ 44.71 37.29 33.34 32.03	ng Antenna /m dB 31.40 31.87 34.30 39.10 Test channe g Antenna m dB 28.93 31.87 36.60 38.33	Cable dB 7.04 9.32 11.48 14.15	Preamp dB 37.05 35.24 33.98 36.10	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63 43.24 47.44	l Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 74.00 74.00	limit -26.38 -27.47 -29.96 -24.52 Over limit -30.37 -30.76 -26.56	Remark Peak Peak Horizontal Remark Peak Peak Peak Peak	
MHz dBuV/m dB dB dB dBuV/m dBuV/m limit 1 3249.76 46.50 28.70 7.14 36.87 45.47 74.00 -28.53 Peak 2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -31.39 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak	Туре	1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H Frequency MHz 3184.25 4996.69 7432.62 9088.19	Readi dBuV 42.38 33.68 32.68 T20) Readin dBuV/ 44.71 37.29 33.34 32.03	ng Antenna /m dB 31.40 31.87 34.30 39.10 Test channe g Antenna m dB 28.93 31.87 36.60 38.33	Cable dB 7.04 9.32 11.48 14.15	Preamp dB 37.05 35.24 33.98 36.10	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63 43.24 47.44	l Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 74.00 74.00	limit -26.38 -27.47 -29.96 -24.52 Over limit -30.37 -30.76 -26.56	Remark Peak Peak Horizontal Remark Peak Peak Peak Peak	
1 3249.76 46.50 28.70 7.14 36.87 45.47 74.00 -28.53 Peak 2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -31.39 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak	Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H Frequency MHz 3184.25 4996.69 7432.62 9088.19	Readin dBuV 42.30 32.68 T20) Readin dBuV/44.71 37.29 33.34 32.03 T20)	ng Antenna /m dB 31.40 31.87 34.30 39.10 Test channe g Antenna dB 28.93 31.87 36.60 38.33 Test channe	Cable dB 7.04 9.32 11.48 14.15	Preamp dB 37.05 35.24 33.98 36.10 CH11	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63 43.24 47.44 48.41	l Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 74.00 74.00 Polarity	limit -26.38 -27.47 -29.96 -24.52 Over limit -30.37 -30.76 -26.56 -25.59	Remark Peak Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak	
2 4933.50 37.14 31.47 9.20 35.20 42.61 74.00 -31.39 Peak 3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak	Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H Frequency MHz 3184.25 4996.69 7432.62 9088.19 802.11n(H	Readin dBuV/ 42.30 40.58 33.60 32.68 T20) Readin dBuV/ 44.71 37.29 33.34 32.03 T20)	mg Antenna //m dB 31.40 31.87 34.30 39.10 Test channe g Antenna m dB 28.93 31.87 36.60 38.33 Test channe	Cable dB 7.04 9.32 11.48 14.15 Cable	Preamp dB 37.05 35.24 33.98 36.10 CH11	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63 43.24 47.44 48.41	Polarity Polarity Polarity Limit dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 Polarity Limit dBuV/m 74.00 Polarity Limit dBuV/m 74.00 Polarity	limit -26.38 -27.47 -29.96 -24.52 Over limit -30.37 -30.76 -26.56 -25.59	Remark Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak Peak Pea	
3 5762.24 37.99 31.92 9.95 34.86 45.00 74.00 -29.00 Peak	Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H Frequency MHz 3184.25 4996.69 7432.62 9088.19 802.11n(H	Readin dBuV/ 42.30 40.58 33.60 32.68 T20) Readin dBuV/ 44.71 37.29 33.34 32.03 T20)	mg Antenna //m dB 31.40 31.87 34.30 39.10 Test channe g Antenna m dB 28.93 31.87 36.60 38.33 Test channe	Cable dB 7.04 9.32 11.48 14.15 Cable dB	Preamp dB 37.05 35.24 33.98 36.10 CH11	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63 43.24 47.44 48.41	Polarity Polarity Polarity Limit dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 Polarity Limit dBuV/m 74.00 Polarity	limit -26.38 -27.47 -29.96 -24.52 Over limit -30.37 -30.76 -26.56 -25.59	Remark Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak Peak Pea	
	Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H Frequency MHz 3184.25 4996.69 7432.62 9088.19 802.11n(H Frequency MHz 3249.76	Readin dBuV 42.30 40.58 33.60 32.68 T20) Readin dBuV/44.71 37.29 33.34 32.03 T20)	mg Antenna //m dB 31.40 31.87 34.30 39.10 Test channe g Antenna m dB 28.93 31.87 36.60 38.33 Test channe	Cable dB 7.04 9.32 11.48 14.15 Cable dB 7.14	Preamp dB 37.05 35.24 33.98 36.10 CH11	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63 43.24 47.44 48.41 Level dBuV/m 43.63	l Limit m dBuV/m 74.00 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 74.00 Third continue the second	limit -26.38 -27.47 -29.96 -24.52 Over limit -30.37 -30.76 -26.56 -25.59	Remark Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak Peak Pea	
л 9062 ла 27 ба 27 70 17 10 23 31 ЛО 67 7Л 00 16 33 ПI.	Туре	1 2 3 4 Mark 1 2 3 4 Mark 1 2 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H Frequency MHz 3184.25 4996.69 7432.62 9088.19 802.11n(H Frequency MHz 3249.76 4933.50	Readin dBuV/42.30 32.68 T20) Readin dBuV/44.71 37.29 33.34 32.03 T20) Readin dBuV/46.50 37.14	mg Antenna //m dB 31.40 31.87 34.30 39.10 Test channe g Antenna m dB 28.93 31.87 36.60 38.33 Test channe	Cable dB 7.04 9.32 11.48 14.15 Cable dB 7.14 9.26	Preamp dB 37.05 35.24 33.98 36.10 CH11	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63 43.24 47.44 48.41 Level dBuV/ 45.47 42.61	l Limit m dBuV/m 74.00 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limit -26.38 -27.47 -29.96 -24.52 Over limit -30.37 -26.56 -25.59 Over limit -28.53 -31.39	Remark Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak Peak Pea	
4 8063.40 32.60 37.20 12.19 33.32 48.67 74.00 -25.33 Peak	Туре	1 2 3 4 Mark 1 2 3 4 Mark 1 2 3 3 4	Frequency MHz 4871.10 4996.69 6645.07 9275.16 802.11n(H Frequency MHz 3184.25 4996.69 7432.62 9088.19 802.11n(H Frequency MHz 3249.76 4933.50 5762.24	Readin dBuV/42.30 40.58 33.60 32.68 T20) Readin dBuV/44.71 37.29 33.34 32.03 T20) Readin dBuV/46.50 37.14 37.99	mg Antenna //m dB 31.40 31.87 34.30 39.10 Test channe g Antenna m dB 28.93 31.87 36.60 38.33 Test channe	Cable dB 7.04 9.32 11.48 14.15 Cable dB 7.14 9.32 9.95	Preamp dB 37.05 35.24 33.98 36.10 CH11 Preamp dB 37.05 35.24 33.98 36.10 CH11	dBuV/ 47.62 46.53 44.10 49.48 Level dBuV/m 43.63 43.24 47.44 48.41 Level dBuV/m 45.47 42.61 45.00	l Limit m dBuV/m 74.00 74.00 74.00 74.00 74.00 Polarity Limit dBuV/m 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00 74.00	limit -26.38 -27.47 -29.96 -24.52 Over limit -30.37 -26.56 -25.59 Over limit -28.53 -31.39 -29.06	Remark Peak Peak Horizontal Remark Peak Peak Peak Peak Peak Peak Peak Pea	

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Туре		802.11n(H	T40)	Test channe	ı	CH03		Polarity		Horizontal	
	Mark	Frequency MHz	Readi dBuV		Cabl		p Leve		Ove		
	1	3249.76	46.36	•	7.14		45.33	74.00	-28.6		
	2	4996.69	37.96		9.32		43.91	74.00	-30.0		
	3	7027.82	34.36		11.14		47.06	74.00	-26.9		
	4	8042.90	33.19		12.20		49.27	74.00	-24.7	3 Peak	
Туре		802.11n(H	T40)	Test channe	I	CH03		Polarity		Vertical	
ſ											
	Mark	Frequency			Cab1	75 1			Over	Remark	
		MHz	dBuV		dB	dB	dBuV/i		limit	- 1	
	1	4846.37	41.22		9.04		46.49	74.00	-27.51	Peak	
	2	4996.69	41.83		9.32		47.78	74.00	-26.22	Peak	
	3	7319.96 9275.16	34.06		11.40		47.80	74.00	-26.20 -24.63	Peak	
	4	92/5.10	32.37	39.10	15.92	30.22	49.57	74.00	-24.65	Peak	
Туре		802.11n(H	T40)	Test channe	l	CH06		Polarity		Horizontal	
	Mark	Frequency	Readin		Cable				0ver	Remark	
		MHz	dBuV/		dB	dB	dBuV/n		limit		
	1	3128.01	44.02	29.00	7.03	37.29	42.76	74.00	-31.24		
	2	4996.69	36.84	31.87	9.32	35.24	42.79	74.00	-31.21		
	3	6299.18	34.81		10.45	34.56	43.70	74.00	-30.30		
	4	7880.77	32.71	36.72	11.87	33.31	47.99	74.00	-26.01	Peak	
Type		802.11n(H	T40)	Test channe	I	CH06		Polarity		Vertical	
	Mark	Frequency MHz	Readir dBuV/		Cable dB	e Preamp dB	Leve dBuV/i		Over limit		
	1	3135.99	42.48	29.00	7.03	37.25	41.26	74.00	-32.74	Peak	
	2	4983.99	34.90	31.77	9.30		40.75	74.00	-33.25		
	3	7585.53	32.49	36.43	11.65		47.27	74.00	-26.73	Peak	
	4	10348.05	31.67	39.80	14.29	37.34	48.42	74.00	-25.58	Peak	
Туре		802.11n(H	T40)	Test channe	l	CH09		Polarity		Horizontal	
	Mark	Frequency	Readin		Cable		Level		Over	Remark	
		MHz	dBuV/		dB	dB	dBuV/m		limit	DI-	
	1	3176.16	42.03	28.95	7.04	37.09	40.93	74.00	-33.07	Peak	
	2	4996.69	35.84	31.87	9.32	35.24	41.79	74.00	-32.21	Peak	
	3	7547.01 9809.40	32.26	36.51 39.58	11.61	33.58	46.80	74.00	-27.20 -23.56	Peak Peak	
			100000000000000000000000000000000000000	33.30	N. B. C. Connection	THE LAND	30.44	74.00	25.50	*C1.0880.94.1	
		802.11n(H	T40)	Test channe	l	CH09		Polarity		Vertical	
Туре		002(1								
Туре											
Туре	Mark	Frequency	Readin		Cable				0ver		
Туре		Frequency MHz	dBuV/	m dB	dB	dB .	dBuV/r	m dBuV/m	limit		
Туре	1	Frequency MHz 3200.50	dBuV/ 43.91	m dB 28.90	dB 7.04	dB 36.98	dBuV/r 42.87	m dBuV/m 74.00	limit -31.13	Peak	
Type	1 2	Frequency MHz 3200.50 4996.69	dBuV/ 43.91 40.94	m dB 28.90 31.87	dB 7.04 9.32	dB 36.98 35.24	dBuV/r 42.87 46.89	n dBuV/m 74.00 74.00	limit -31.13 -27.11	Peak Peak	
Type	1 2 3	Frequency MHz 3200.50	dBuV/ 43.91	m dB 28.90	dB 7.04	dB 36.98 35.24 33.31	dBuV/r 42.87	m dBuV/m 74.00	limit -31.13	Peak Peak Peak	

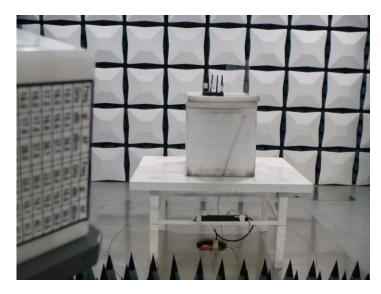
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6. TEST SETUP PHOTOS

Radiated Emission







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7. EXTERNAL AND INTERNAL PHOTOS

Reference to the test report No.: CHTEW22080156

8. APPENDIX REPORT