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TEST REPORT

Report No.:: CHTEW20050009 Report Verification:

Project No..... SHT2001035304EW

FCC ID.....:: Q5EDSJ-K9

Applicant's name: Kirisun Communication Co.,Ltd.

Address....: 3rd Floor, Building A, Tongfang Information Habour, No.11

Langshan Road, Nanshan District, Shenzhen 518057,

P.R.China

Manufacturer....: Kirisun Communication Co.,Ltd.

Address.....: 3rd Floor, Building A, Tongfang Information Habour, No.11

Langshan Road, Nanshan District, Shenzhen 518057,

P.R.China

Test item description: **Smart Device**

Trade Mark: **KIRISUN**

Model/Type reference.....: DSJ-K9

Listed Model(s):

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

Jan. 19, 2020 Date of receipt of test sample.....

Jan. 20, 2020- May. 08, 2020 Date of testing.....

Date of issue....: May. 09, 2020

Result.....: **PASS**

Compiled by

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

Supervised by

(Position+Printed name+Signature): Project Engineer Aaron Fang Silvia Li Aaron.Fang

Approved by

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

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

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

Tianliao, Gongming, Shenzhen, China

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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

1.2. Report version

Revision No.	Date of issue	Description
N/A	2020-05-09	Original

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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.

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3. **SUMMARY**

3.1. Client Information

Applicant:	Kirisun Communication Co.,Ltd.		
Address: 3rd Floor, Building A, Tongfang Information Habour, No.11 Lang Road, Nanshan District, Shenzhen 518057, P.R.China			
Manufacturer:	Kirisun Communication Co.,Ltd.		
Address:	3rd Floor, Building A, Tongfang Information Habour, No.11 Langshan Road, Nanshan District, Shenzhen 518057, P.R.China		

3.2. Product Description

Name of EUT:	Smart Device
Trade Mark:	KIRISUN
Model No.:	DSJ-K9
Listed Model(s):	-
Power supply:	DC 3.8V
Hardware version:	V2.0
Software version:	K9_V19

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:	FPC Antenna
Antenna gain:	-4.0dBi

Note:

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

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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		
	Туре	Accreditation Number	
	CNAS	L1225	
Qualifications	A2LA	3902.01	
	FCC	762235	
	Canada	5377A	

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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)		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. 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.

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4.7. Equipment Used during the Test

•	Conducted Emission									
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	2018/04/04	2021/04/03
•	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	2020/04/01	2023/03/31
•	Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	25841	2018/10/11	2021/10/10
•	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

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•	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				

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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

□ Passed	☐ Not Applicable
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The antenna type is a PCB antenna, the directional gain of the antenna less than 6 dBi, please refer to the below antenna photo.



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5.2. AC Conducted Emission

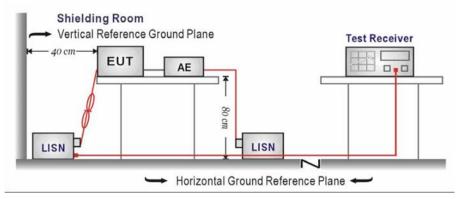
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Fraguenov rango (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

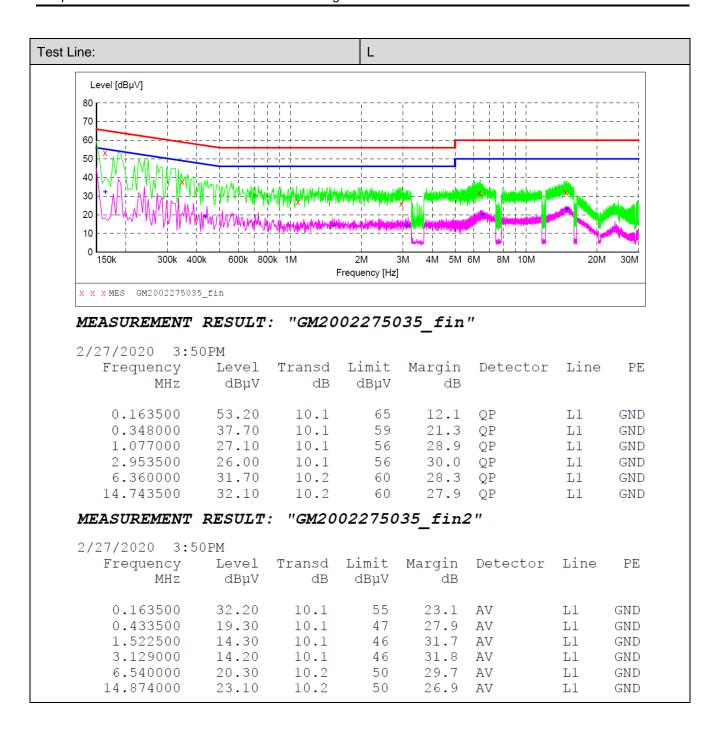
- 1. The EUT was setup according to ANSI C63.10 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- 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:

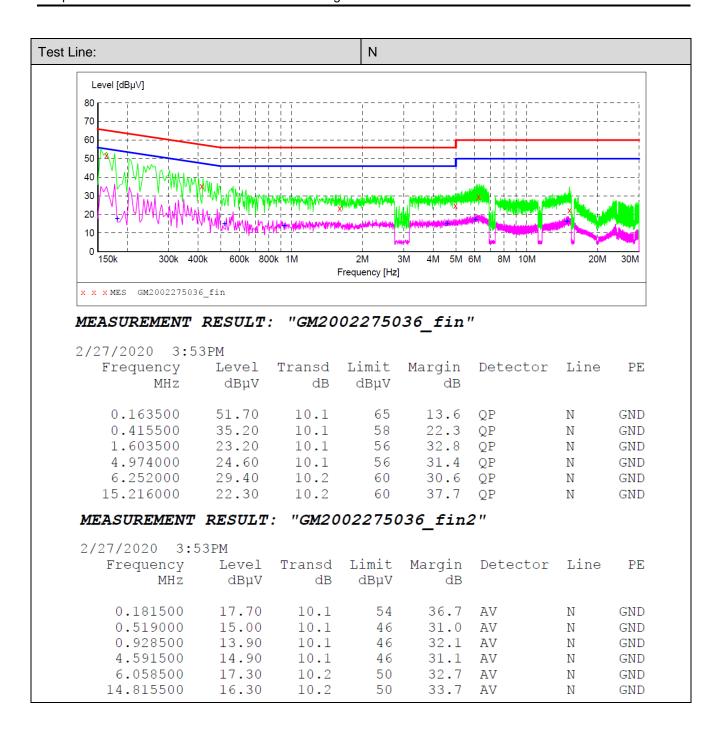
Please refer to the clause 4.2

TEST RESULT

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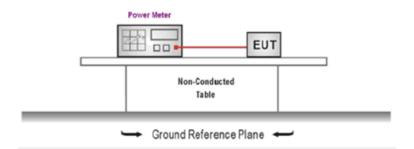
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5.3. Peak Output Power

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.
- 4. 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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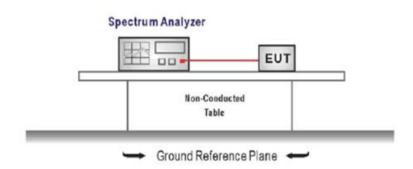
5.4. Power Spectral Density

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,
- Configure the spectrum analyzer as shown below:

Center frequency=DTS channel center frequency

Span =1.5 times the DTS bandwidth

RBW = $3 \text{ kHz} \le \text{RBW} \le 100 \text{ kHz}$, VBW $\ge 3 \times \text{RBW}$

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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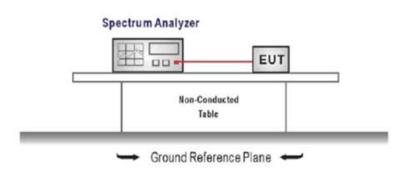
5.5. 6dB bandwidth

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

□ Passed □ Not Applicable

TEST Data

Please refer to appendix C on the appendix report

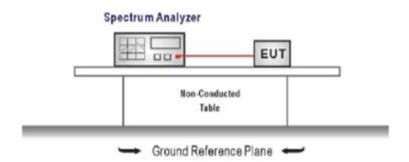
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5.6. 99% Occupied Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

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

Center Frequency =channel center frequency

Span≥1.5 x OBW

RBW = 1%~5%OBW

VBW ≥ 3 × RBW

Sweep time= auto couple

Detector = Peak

Trace mode = max hold

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

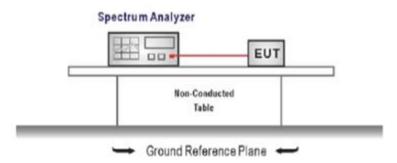
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5.7. Duty Cycle

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

- 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 \geq 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

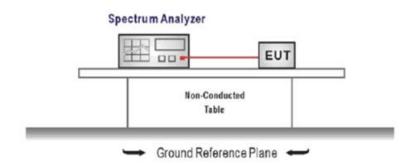
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5.8. Conducted Band edge and Spurious Emission

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	RESULT
-------------	---------------

 $oxed{oxed}$ Passed $oxed{oxed}$ Not Applicable

TEST Data

Please refer to appendix F on the appendix report

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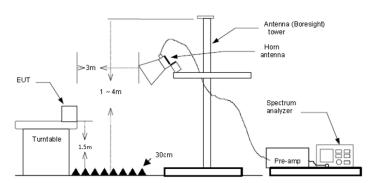
5.9. Radiated Band edge Emission

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

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. Thisis repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10 on radiated measurement.
- 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

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Туре	802.11b	Те	st channel	CH01	Polar	ity	Horizontal
Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
2310.000	30.98	17.66	48.64	74.00	25.36	Horizontal	I PK
2310.000	27.78	17.66	45.44	54.00	8.56	Horizontal	I AV
2390.000	32.07	17.59	49.66	74.00	24.34	Horizontal	I PK
2390.000	27.64	17.59	45.23	54.00	8.77	Horizontal	I AV
Туре	802.11b	Te	st channel	CH01	Polar	ity	Vertical
Freq.	Reading	Factor	Level	Limit	Margin		
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
2310.000	32.06	17.66	49.72	74.00	24.28	Vertical	PK
2310.000	29.24	17.66	46.90	54.00	7.10	Vertical	AV
2390.000	31.56	17.59	49.15	74.00	24.85	Vertical	PK
2390.000	28.70	17.59	46.29	54.00	7.71	Vertical	AV

Гуре	802.11b	Te	st channel	CH11	Pola	arity	Horizontal
Freq.	Reading	Factor	Level	Limit	Margin	5	5
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
2483.500	30.95	17.85	48.80	74.00	25.20	Horizonta	I PK
2483.500	28.00	17.85	45.85	54.00	8.15	Horizonta	I AV
2500.000	31.70	17.90	49.60	74.00	24.40	Horizonta	I PK
2500.000	28.76	17.90	46.66	54.00	7.34	Horizonta	I AV
Гуре	000 441						
ypc	802.11b	Te	st channel	CH11	Pola	arity	Vertical
Freq.	Reading	Factor	st channel Level	CH11 Limit	Pola		
	1 3 3 2 1 1 1 2	13				Polarity	
Freq.	Reading	Factor	Level	Limit	Margin		Detector
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
Freq. [MHz] 2483.500	Reading [dBµV/m] 31.62	Factor [dB]	Level [dBµV/m] 49.47	Limit [dBµV/m] 74.00	Margin [dB] 24.53	Polarity	Detector PK AV

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Туре	802.11g	Tes	t channel	CH01 Polarit		ЗУ	Horizontal	
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Mar [dE	Polarity		Detector
2310.000	31.61	17.66	49.27	74.00	24.73		Horizonta	I PK
2310.000	27.14	17.66	44.80	54.00	9.2	20	Horizonta	I AV
2390.000	31.14	17.59	48.73	74.00	25.	27	Horizonta	I PK
2390.000	27.48	17.59	45.07	54.00	8.9	93	Horizonta	I AV
Туре	802.11g	Tes	t channel	CH01		Polarit	ЗУ	Vertical
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Marq [dE		Polarity	Detector
2310.000	31.64	17.66	49.30	74.00	24.7	70	Vertical	PK
2310.000	27.84	17.66	45.50	54.00	8.5	0	Vertical	AV
2390.000	31.18	17.59	48.77	74.00	25.2	23	Vertical	PK
2390.000	29.63	17.59	47.22	54.00	6.7	'8	Vertical	AV

Туре	802.11g	Tes	st channel	CH11	Polar	ity	Horizontal
Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	,	
2483.500	32.01	17.85	49.86	74.00	24.14	Horizontal	PK
2483.500	27.31	17.85	45.16	54.00	8.84	Horizontal	I AV
2500.000	31.48	17.90	49.38	74.00	24.62	Horizontal	PK
2500.000	26.54	17.90	44.44	54.00	9.56	Horizontal	AV
Туре	802.11g	Tes	st channel	CH11	Polar	ity	Vertical
Freq.	Reading	Footor	Level	Limit	Morgin		
	rteauling	Factor	Level	Limit	Margin	Delevite	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
	Ŭ					Polarity Vertical	Detector PK
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
[MHz] 2483.500	[dBµV/m] 35.79	[dB] 17.85	[dBµV/m] 53.64	[dBµV/m] 74.00	[dB]	Vertical	PK

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Туре	802.11n	(HT20)	Tes	t channel	CH01	Polarit		ty	Horizontal
Freq.	Reading [dBµV/m]	Factor	r	Level	Limit [dBµV/m]		rgin IB]	Polarity	Detector
2310.000	30.48	17.66		48.14	74.00	_	.86	Horizonta	I PK
2310.000	27.39	17.66	i	45.05	54.00	8.	95	Horizonta	I AV
2390.000	30.93	17.59)	48.52	74.00	25	.48	Horizonta	I PK
2390.000	28.43	17.59)	46.02	54.00	7.	98	Horizonta	I AV
Туре	802.11n	(HT20)	Tes	t channel	CH01		Polari	ty	Vertical
Freq. [MHz]	Reading [dBµV/m]	Factor	r	Level [dBµV/m]	Limit [dBµV/m]		irgin IB]	Polarity	Detector
2310.000	32.02	17.66		49.68	74.00	24	.32	Vertical	PK
2310.000	29.06	17.66	i	46.72	54.00	7.	.28	Vertical	AV
2390.000	33.01	17.59		50.60	74.00	23	3.40	Vertical	PK
2390.000	28.60	17.59		46.19	54.00	7.	.81	Vertical	AV

Туре	802.11n	(HT20)	Tes	t channel	CH11		Polarit	:y	Horizontal
Freq.	Reading	Facto	r	Level	Limit	Ma	ırgin	Delevite	Datastan
[MHz]	[dBµV/m]	[dB]		[dBµV/m]	[dBµV/m]	[0	IB]	Polarity	Detector
2483.500	38.27	17.85	5	56.12	74.00	17	'.88	Horizonta	I PK
2483.500	32.08	17.85	5	49.93	54.00	4	.07	Horizonta	I AV
2500.000	31.21	17.90)	49.11	74.00	24	.89	Horizonta	l PK
2500.000	28.27	17.90)	46.17	54.00	7.	.83	Horizonta	I AV
Туре	802.11n	(HT20)	Tes	t channel	CH11		Polarit	У	Vertical
Freq.	Reading	Facto	r	Level	Limit	Ma	ırgin		
[MHz]	[dBµV/m]	[dB]		[dBµV/m]	[dBµV/m]	[0	B]	Polarity	Detector
2483.500	39.68	17.85		57.53	74.00	16	5.47	Vertical	PK
2483.500	32.94	17.85		50.79	54.00	3	.21	Vertical	AV
2500.000	32.14	17.90		50.04	74.00	23	3.96	Vertical	PK
2500.000	28.74	17.90		46.64	54.00	7	.36	Vertical	AV

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Туре	802.11n	(HT40)	Tes	t channel	CH03		Polari	ty	Horizontal
Freq. [MHz]	Reading [dBµV/m]	Facto [dB]	r	Level [dBµV/m]	Limit [dBµV/m]		irgin IB]	Polarity	Detector
2310.000	31.07	17.66	5	48.73	74.00	25	5.27	Horizonta	I PK
2310.000	28.00	17.66	6	45.66	54.00	8	.34	Horizonta	I AV
2390.000	36.16	17.59)	53.75	74.00	20	.25	Horizonta	I PK
2390.000	31.01	17.59)	48.60	54.00	5	.40	Horizonta	I AV
Туре	802.11n	(HT40)	Tes	t channel	CH03		Polari	ty	Vertical
Freq. [MHz]	Reading [dBµV/m]	Facto [dB]	r	Level [dBµV/m]	Limit [dBµV/m]		rgin IB]	Polarity	Detector
2310.000	28.31	17.66	;	45.97	54.00	8.	.03	Vertical	AV
2310.000	31.21	17.66	;	48.87	74.00	25	.13	Vertical	PK
2390.000	31.39	17.59)	48.98	54.00	5.	.02	Vertical	AV
2390.000	36.06	17.59		53.65	74.00	20	.35	Vertical	PK

Туре	802.11n	(HT40)	Tes	t channel	CH09		Polari	ty	Horizontal
Freq. [MHz]	Reading [dBμV/m]	Facto [dB]		Level [dBµV/m]	Limit [dBµV/m]		rgin B]	Polarity	Detector
2483.500	37.19	17.85	5	55.04	74.00	18	.96	Horizonta	I PK
2483.500	31.27	17.85	5	49.12	54.00	4.	88	Horizonta	I AV
2500.000	30.97	17.90)	48.87	74.00	25	.13	Horizonta	I PK
2500.000	28.09	17.90)	45.99	54.00	8.	01	Horizonta	I AV
Туре	802.11n	(HT40)	Tes	t channel	CH09		Polari	ty	Vertical
Freq. [MHz]	Reading [dBµV/m]	Facto [dB]	r	Level [dBµV/m]	Limit [dBµV/m]		rgin IB]	Polarity	Detector
2483.500	47.73	17.85	5	65.58	74.00	8.	42	Vertical	PK
2483.500	32.46	17.85	5	50.31	54.00	3.0	69	Vertical	AV
2500.000	31.02	17.90)	48.92	74.00	25	.08	Vertical	PK
2500.000	28.36	17.90)	46.26	54.00	7.	74	Vertical	AV

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5.10. Radiated Spurious Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

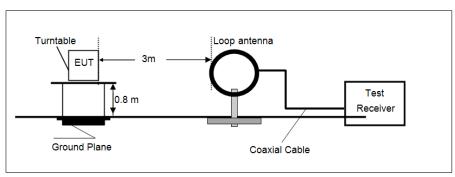
Frequency	Limit (dBuV/m)	Value
0.009 MHz ~0.49 MHz	2400/F(kHz) @300m	Quasi-peak
0.49 MHz ~ 1.705 MHz	24000/F(kHz) @30m	Quasi-peak
1.705 MHz ~30 MHz	30 @30m	Quasi-peak

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

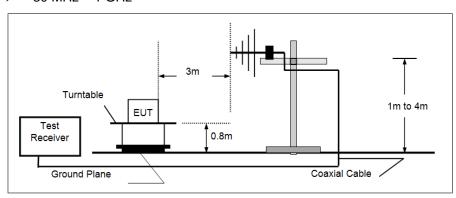
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above IGHZ	74.00	Peak

TEST CONFIGURATION

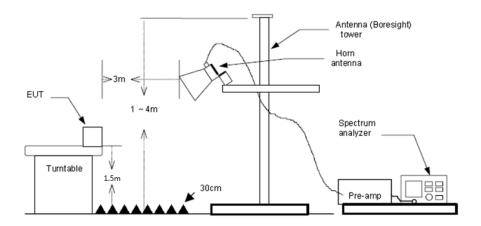
→ 9 kHz ~ 30 MHz



> 30 MHz ~ 1 GHz



Above 1 GHz



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.
 - 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

Note:

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

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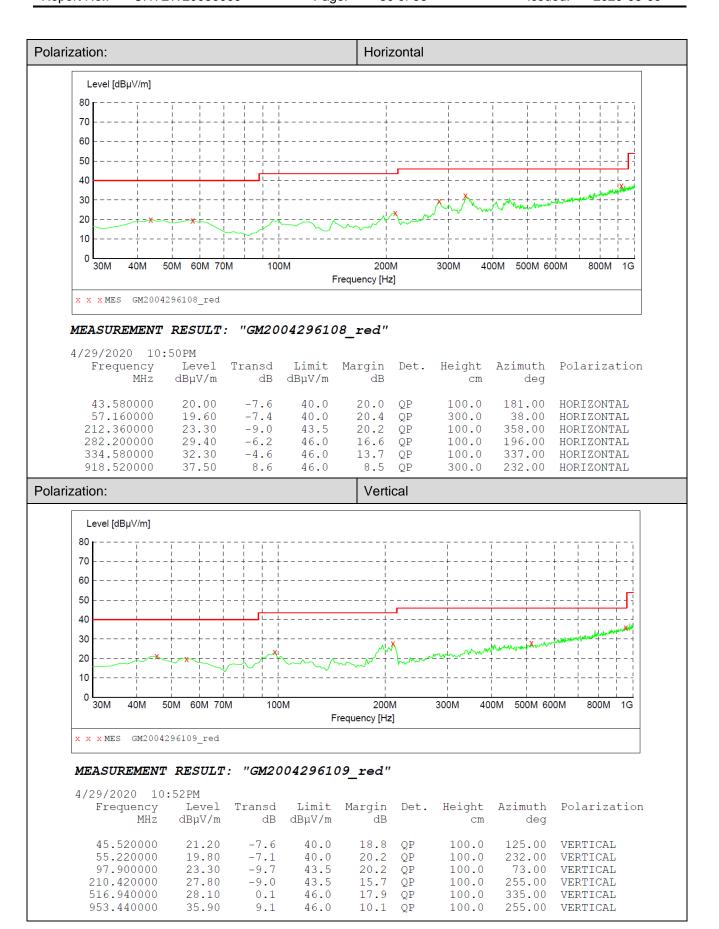
TEST DATA FOR 9 kHz ~ 30 MHz

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

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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TEST DATA FOR 1 GHz ~ 25 GHz

Туре		802.11b		Test chann	el	CH01	
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1465.593	33.96	-5.61	28.35	74.00	45.65	Horizontal	PK
4207.750	32.44	3.82	36.26	74.00	37.74	Horizontal	PK
7980.968	31.35	16.21	47.56	74.00	26.44	Horizontal	PK
9345.437	30.80	17.66	48.46	74.00	25.54	Horizontal	PK
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1646.250	36.04	-6.20	29.84	74.00	44.16	Vertical	PK
3643.750	33.76	1.51	35.27	74.00	38.73	Vertical	PK
4621.937	32.50	5.90	38.40	74.00	35.60	Vertical	PK
6009.906	30.63	10.49	41.12	74.00	32.88	Vertical	PK

Туре		802.11b		Test chann	Test channel		
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1517.000	32.19	-5.74	26.45	74.00	47.55	Horizontal	PK
6027.531	29.38	10.53	39.91	74.00	34.09	Horizontal	PK
7080.625	29.59	14.38	43.97	74.00	30.03	Horizontal	PK
8542.031	29.84	15.64	45.48	74.00	28.52	Horizontal	PK
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1678.562	34.10	-6.14	27.96	74.00	46.04	Vertical	PK
4573.468	31.03	5.66	36.69	74.00	37.31	Vertical	PK
7386.125	30.16	15.33	45.49	74.00	28.51	Vertical	PK
8647.781	30.24	15.99	46.23	74.00	27.77	Vertical	PK

Туре		802.11b		Test channe	el	CH11		
Freq.	Reading	Factor	Level	Limit	Margin	Delevit	Detector	
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector	
2079.531	31.70	-4.15	27.55	74.00	46.45	Horizontal	PK	
3241.312	33.19	0.35	33.54	74.00	40.46	Horizontal	PK	
5116.906	31.11	8.83	39.94	74.00	34.06	Horizontal	PK	
7923.687	29.78	16.28	46.06	74.00	27.94	Horizontal	PK	
Freq.	Reading	Factor	Level	Limit	Margin	5.1.11		
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector	
1825.437	33.00	-5.81	27.19	74.00	46.81	Vertical	PK	
4514.718	31.51	5.41	36.92	74.00	37.08	Vertical	PK	
5244.687	30.66	8.74	39.40	74.00	34.60	Vertical	PK	
9272.000	30.00	17.58	47.58	74.00	26.42	Vertical	PK	

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Туре		802.11g		Test channe	el	CH01	
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
2132.406	31.77	-3.67	28.10	74.00	45.90	Horizontal	PK
3463.093	31.62	0.61	32.23	74.00	41.77	Horizontal	PK
4530.875	30.53	5.48	36.01	74.00	37.99	Horizontal	PK
6628.250	29.82	13.24	43.06	74.00	30.94	Horizontal	PK
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1580.156	33.35	-6.15	27.20	74.00	46.80	Vertical	PK
3595.281	33.80	1.43	35.23	74.00	38.77	Vertical	PK
6247.843	29.48	10.94	40.42	74.00	33.58	Vertical	PK
7590.281	29.18	15.83	45.01	74.00	28.99	Vertical	PK

Туре		802.11g		Test chann	el	CH06	
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1164.500	34.29	-6.21	28.08	74.00	45.92	Horizontal	PK
4138.718	32.01	3.47	35.48	74.00	38.52	Horizontal	PK
6501.937	29.37	12.53	41.90	74.00	32.10	Horizontal	PK
7538.875	30.84	15.59	46.43	74.00	27.57	Horizontal	PK
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1828.375	33.29	-5.81	27.48	74.00	46.52	Vertical	PK
3831.750	32.48	2.21	34.69	74.00	39.31	Vertical	PK
5122.781	30.51	8.84	39.35	74.00	34.65	Vertical	PK
9063.437	29.81	16.70	46.51	74.00	27.49	Vertical	PK

Туре		802.11g		Test channel		CH11	
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1439.156	31.63	-5.60	26.03	74.00	47.97	Horizontal	PK
3837.625	33.27	2.25	35.52	74.00	38.48	Horizontal	PK
5742.593	29.44	9.13	38.57	74.00	35.43	Horizontal	PK
8186.593	29.68	16.05	45.73	74.00	28.27	Horizontal	PK
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1681.500	34.38	-6.13	28.25	74.00	45.75	Vertical	PK
4646.906	30.58	6.06	36.64	74.00	37.36	Vertical	PK
7004.250	29.09	14.18	43.27	74.00	30.73	Vertical	PK
7600.562	29.44	15.87	45.31	74.00	28.69	Vertical	PK

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Туре	Туре		802.11n(HT20)		nnel	CH01	
Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
1533.156	32.66	-5.85	26.81	74.00	47.19	Horizontal	PK
4025.625	32.13	3.08	35.21	74.00	38.79	Horizontal	PK
5939.406	29.42	10.17	39.59	74.00	34.41	Horizontal	PK
7969.218	29.34	16.23	45.57	74.00	28.43	Horizontal	PK
Freq.	Reading	Factor	Level	Limit	Margin	5.1."	
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
1508.187	32.60	-5.68	26.92	74.00	47.08	Vertical	PK
4172.500	32.04	3.66	35.70	74.00	38.30	Vertical	PK
5171.250	30.27	8.93	39.20	74.00	34.80	Vertical	PK
7594.687	29.16	15.85	45.01	74.00	28.99	Vertical	PK

Туре		802.11n(HT20)		Test cha	annel	CH06	
Freq.	Reading	Factor	Level	Limit	Margin	Delevite	Datastan
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
1960.562	31.37	-5.15	26.22	74.00	47.78	Horizontal	PK
3921.343	31.91	2.74	34.65	74.00	39.35	Horizontal	PK
5137.468	30.31	8.87	39.18	74.00	34.82	Horizontal	PK
6070.125	29.07	10.64	39.71	74.00	34.29	Horizontal	PK
Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
2003.156	31.79	-4.68	27.11	74.00	46.89	Vertical	PK
4069.687	33.30	3.18	36.48	74.00	37.52	Vertical	PK
6462.281	28.84	12.05	40.89	74.00	33.11	Vertical	PK
8730.031	29.55	16.10	45.65	74.00	28.35	Vertical	PK

Type 8		802.11n(HT20)		Test cha	Test channel		
Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
1635.968	33.38	-6.22	27.16	74.00	46.84	Horizontal	PK
3564.437	32.28	1.31	33.59	74.00	40.41	Horizontal	PK
5566.343	30.44	8.94	39.38	74.00	34.62	Horizontal	PK
7986.843	29.97	16.21	46.18	74.00	27.82	Horizontal	PK
Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
1951.750	32.38	-5.25	27.13	74.00	46.87	Vertical	PK
3889.031	32.19	2.60	34.79	74.00	39.21	Vertical	PK
5882.125	29.33	9.90	39.23	74.00	34.77	Vertical	PK
7944.250	29.28	16.26	45.54	74.00	28.46	Vertical	PK

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Туре		802.11n(HT40)		Test cha	Test channel		CH03	
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector	
1455.312	32.53	-5.61	26.92	74.00	47.08	Horizontal	PK	
3464.562	33.24	0.62	33.86	74.00	40.14	Horizontal	PK	
5473.812	30.31	9.01	39.32	74.00	34.68	Horizontal	PK	
6839.750	29.79	13.56	43.35	74.00	30.65	Horizontal	PK	
Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector	
1696.187	34.34	-6.11	28.23	74.00	45.77	Vertical	PK	
4206.281	31.88	3.82	35.70	74.00	38.30	Vertical	PK	
5680.906	31.35	8.82	40.17	74.00	33.83	Vertical	PK	
8005.937	30.52	16.20	46.72	74.00	27.28	Vertical	PK	

Туре	8	302.11n(HT40)		Test cha	annel	CH06	
Freq.	Reading	Factor	Level	Limit	Margin	Dolovity	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
1428.875	32.28	-5.59	26.69	74.00	47.31	Horizontal	PK
3727.468	31.97	1.70	33.67	74.00	40.33	Horizontal	PK
5196.218	31.00	8.97	39.97	74.00	34.03	Horizontal	PK
7628.468	29.28	15.75	45.03	74.00	28.97	Horizontal	PK
Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
1663.875	33.87	-6.17	27.70	74.00	46.30	Vertical	PK
3714.250	34.02	1.65	35.67	74.00	38.33	Vertical	PK
5801.343	31.62	9.56	41.18	74.00	32.82	Vertical	PK
7929.562	29.50	16.27	45.77	74.00	28.23	Vertical	PK

Туре		802.11n(HT40)		Test cha	annel	CH09	
Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	Polarity	Detector
1684.437	32.70	-6.13	26.57	74.00	47.43	Horizontal	PK
3780.343	32.35	1.91	34.26	74.00	39.74	Horizontal	PK
5663.281	31.14	8.83	39.97	74.00	34.03	Horizontal	PK
7359.687	30.50	15.24	45.74	74.00	28.26	Horizontal	PK
Freq.	Reading	Factor	Level	Limit	Margin	Polarity	Detector
[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]		
1252.625	34.13	-5.69	28.44	74.00	45.56	Vertical	PK
3188.437	33.84	0.78	34.62	74.00	39.38	Vertical	PK
5153.625	29.86	8.90	38.76	74.00	35.24	Vertical	PK
7533.000	29.97	15.56	45.53	74.00	28.47	Vertical	PK

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6. TEST SETUP PHOTOS

Radiated Emission







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AC Conducted Emission



7. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No.: CHTEW20050004

8. APPENDIX REPORT