

FCC RF Test Report

(U-NII)

Report No.: JYTSZ-R12-2501012

Applicant: CoreHW Semiconductor Oy

Address of Applicant: Visiokatu 1, 33720 Tampere, Finland

Equipment Under Test (EUT)

Product Name: CoreLocator

Model No.: CHW-LOC4000

Trade Mark: CoreHW

FCC ID: 2BPQS-LOC4000

Applicable Standards: FCC CFR Title 47 Part 15E (\$15.407)

Date of Sample Receipt: 22 May, 2025

Date of Test: 23 May, to 16 Jul., 2025

Date of Report Issued: 05 Aug., 2025

Test Result: PASS

Tested by:

James Wang
Project Engineer

Date:

05 Aug., 2025

Reviewed by:

James Wang
Senior Engineer

Date:

05 Aug., 2025

Approved by:

James Wang
Manager

Date:

05 Aug., 2025

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

1 Version

Version No.	Date	Description
00	16 Jul., 2025	Original
01	25 Jul., 2025	Add section 5.2
02	31 Jul., 2025	Update page12
03	05 Aug., 2025	Updated page 4

2 Contents

Page

Cover Page	1
1 Version	2
2 Contents.....	3
3 General Information.....	4
3.1 Client Information	4
3.2 General Description of E.U.T.	4
3.3 Test Mode and Environment	5
3.4 Description of Test Auxiliary Equipment	5
3.5 Measurement Uncertainty	5
3.6 Additions to, Deviations, or Exclusions from the Method	5
3.7 Laboratory Facility	6
3.8 Laboratory Location.....	6
3.9 Test Instruments List	6
4 Measurement Setup and Procedure	8
4.1 Test Channel	8
4.2 Test Setup	9
4.3 Test Procedure	11
5 Test Results.....	12
5.1 Summary	12
5.1.1 Clause and Data Summary.....	12
5.1.2 Test Limit.....	13
5.2 AC Power Line Conducted Emission	14
5.3 Unwanted Emissions	16

3 General Information

3.1 Client Information

Applicant:	CoreHW Semiconductor Oy
Address:	Visiokatu 1, 33720 Tampere, Finland
Manufacturer/Factory:	CoreHW Semiconductor Oy
Address:	Visiokatu 1, 33720 Tampere, Finland

3.2 General Description of E.U.T.

Product Name:	CoreLocator				
Model No.:	CHW-LOC4000				
Operation Frequency:	Band 1: 5150 MHz - 5250 MHz				
	Band 2: 5250 MHz - 5350 MHz				
	Band 3: 5470 MHz - 5725 MHz				
	Band 4: 5725 MHz - 5850 MHz				
Channel Numbers:	Band 1, 2: 4 , Band 3: 11, Band 4: 5 (802.11a, n-HT20)				
	Band 1, 2, 4: 2 , Band 3: 5 (802.11n-HT40)				
Modulation Technology: (IEEE 802.11a/802.11n)	OFDM-BPSK, QPSK, 16QAM, 64QAM				
Antenna Type:	Internal Antenna				
Antenna Gain: (declare by applicant)	ANT1	W52: 4.2 dBi	W53: 4.3 dBi	W56: 4.7 dBi	W58: 4.7 dBi
	ANT2	W52: 3.4 dBi	W53: 4.6 dBi	W56: 4.7 dBi	W58: 4.7 dBi
Antenna Transmit Mode:	SISO (1TX, 1RX)				
Power supply:	DC 5V by USB-C				
Test Sample Condition:	The test samples were provided in good working order with no visible defects.				

3.3 Test Mode and Environment

Test Mode:	
Transmitting mode:	Keep the EUT in continuous transmitting with modulation
Per-scan all kind of data rate, the follow list were the worst case:	
Mode	Data rate
802.11a	6.0 Mbps
802.11n-HT20	6.5 Mbps
802.11n-HT40	13.5 Mbps
Remark: For AC power line conducted emission and radiated spurious emission (below 1GHz), pre-scan 802.11a, n modulation mode, found 802.11a modulation mode was worse case mode. The report only reflects the test data of worst mode.	
Operating Environment:	
Temperature:	15°C ~ 35°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 5.0Vdc, Extreme: Low 4.5Vdc, High 5.5Vdc
Test Engineer:	Hopper Li(Conducted measurement) Robin Gu(Radiated measurement)

3.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 150kHz)	±3.0 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	±2.4 dB
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	±4.6 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	±5.8 dB
Radiated Emission (1GHz ~ 6GHz) (3m SAC)	±4.5 dB
Radiated Emission (6GHz ~ 18GHz) (3m SAC)	4.7 dB
Radiated Emission (18GHz ~ 40GHz) (3m SAC)	5.34 dB
Radiated Emission (30MHz ~ 1GHz) (3m FAR)	3.39 dB
Radiated Emission (1GHz ~ 18GHz) (3m FAR)	5.15 dB
Radiated Emission (18GHz ~ 40GHz) (3m FAR)	5.30 dB
Note: All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.	

3.6 Additions to, Deviations, or Exclusions from the Method

No

3.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

3.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

3.9 Test Instruments List

Radiated Emission(3m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2026
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	01-03-2025	01-02-2026
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	01-03-2025	01-02-2026
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	01-03-2025	01-02-2026
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-25-2024	12-24-2025
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	12-16-2024	12-15-2025
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	12-16-2024	12-15-2025
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-16-2024	12-15-2025
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	12-16-2024	12-15-2025
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-16-2024	12-15-2025
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	09-09-2024	09-08-2025
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-15-2025	01-14-2026
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-15-2025	01-14-2026
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG001-7	01-15-2025	01-14-2026
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Radiated Emission(3m FAR):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m FAR	YUNYI	9m*6m*6m	WXJ097	06-15-2023	06-14-2028
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ097-2	04-24-2025	04-23-2026
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-01-2024	06-30-2027
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	06-16-2024	06-15-2025
				05-23-2025	05-22-2026
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	12-25-2024	12-24-2025
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-25-2024	12-24-2025
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	12-25-2024	12-24-2025
Pre-amplifier (30MHz ~ 1GHz)	YUNYI	PAM-310N	WXJ097-5	04-24-2024	04-23-2025
Pre-amplifier (1GHz ~ 18GHz)	YUNYI	PAM-118N	WXJ097-6	04-24-2024	04-23-2025
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-16-2024	12-15-2025
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	12-16-2024	12-15-2025
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-16-2024	12-15-2025
Spectrum Analyzer	KEYSIGHT	N9020B	WXJ081-1	05-08-2025	05-07-2026
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	07-30-2024	07-29-2025
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	07-30-2024	07-29-2025
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	07-30-2024	07-29-2025
High Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Low Band Reject Filter Group	Tonscend	JS0806-F	WXJ097-4	N/A	
Test Software	Tonscend	TS+	Version: 5.0.0		

Conducted Emission:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	05-08-2025	05-07-2026
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	12-17-2024	12-16-2025
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	12-17-2024	12-16-2025
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	01-15-2025	01-14-2026
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

4 Measurement Setup and Procedure

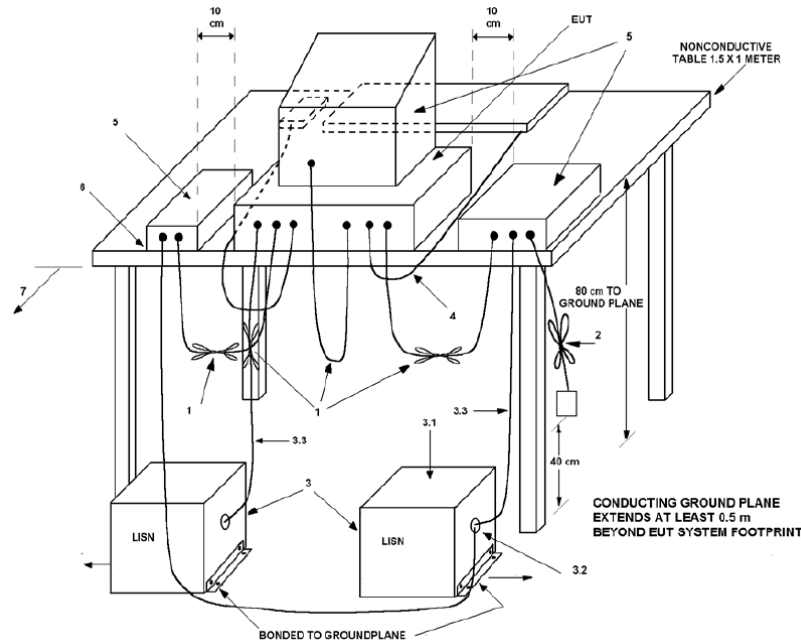
4.1 Test Channel

According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

Operation frequency: 5150 MHz – 5250 MHz						
Modulation mode	Lowest channel		Middle channel		Highest channel	
	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
802.11a, n-HT20	36	5180	40	5200	48	5240
802.11n-HT40	38	5190	/	/	46	5230
Operation frequency: 5250 MHz – 5350 MHz						
Modulation mode	Lowest channel		Middle channel		Highest channel	
	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
802.11a, n-HT20	52	5260	56	5280	64	5320
802.11n-HT40	54	5270	/	/	62	5310
Operation frequency: 5470 MHz – 5725 MHz						
Modulation mode	Lowest channel		Middle channel		Highest channel	
	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
802.11a, n-HT20	100	5500	112	5560	140	5700
802.11n-HT40	102	5510	118	5590	134	5670
Operation frequency: 5725 MHz – 5850 MHz						
Modulation mode	Lowest channel		Middle channel		Highest channel	
	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
802.11a, n-HT20	149	5745	157	5785	165	5825
802.11n-HT40	151	5755	/	/	159	5795

4.2 Test Setup

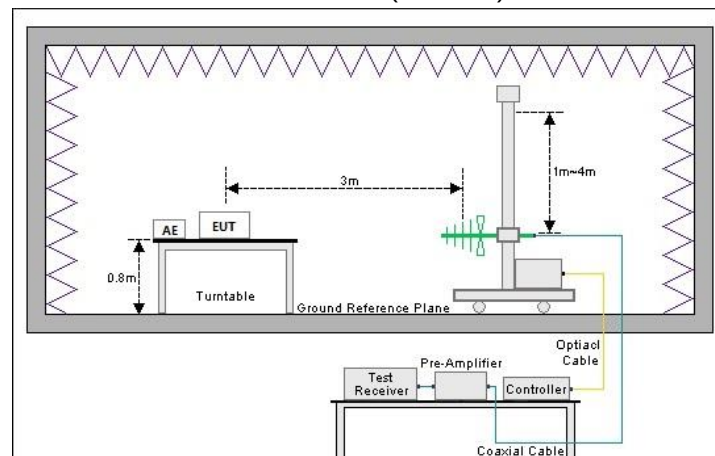
1) Conducted emission measurement:



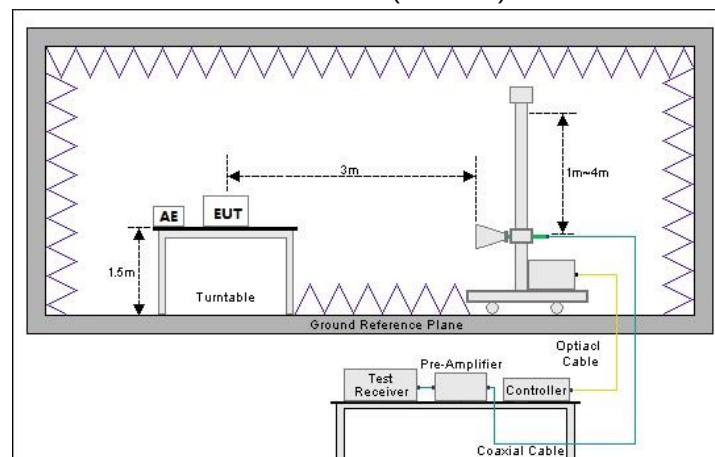
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

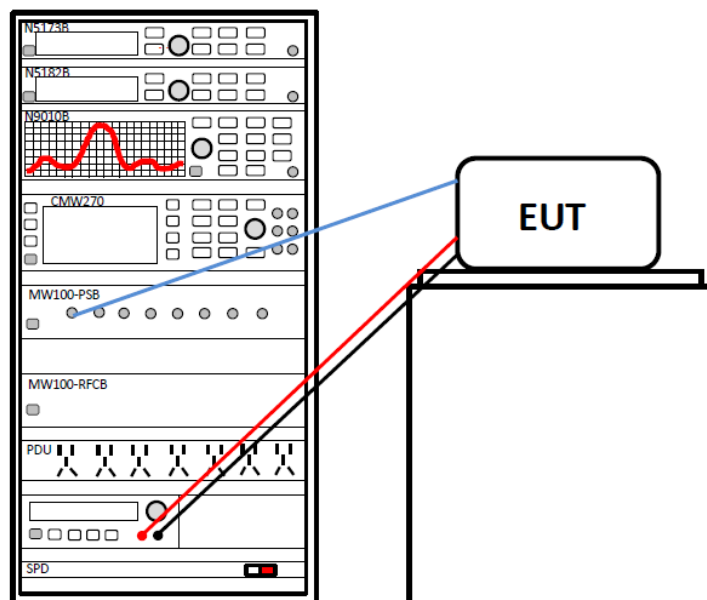
Below 1GHz (3m SAC)



Above 1GHz (3m FAR)



3) Conducted test method



4.3 Test Procedure

Test method	Test step
Conducted emission	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Radiated emission	For below 1GHz: 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m . 2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. For above 1GHz: 1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method	1. The Wi-Fi antenna port of EUT was connected to the test port of the test system through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.

5 Test Results

5.1 Summary

5.1.1 Clause and Data Summary

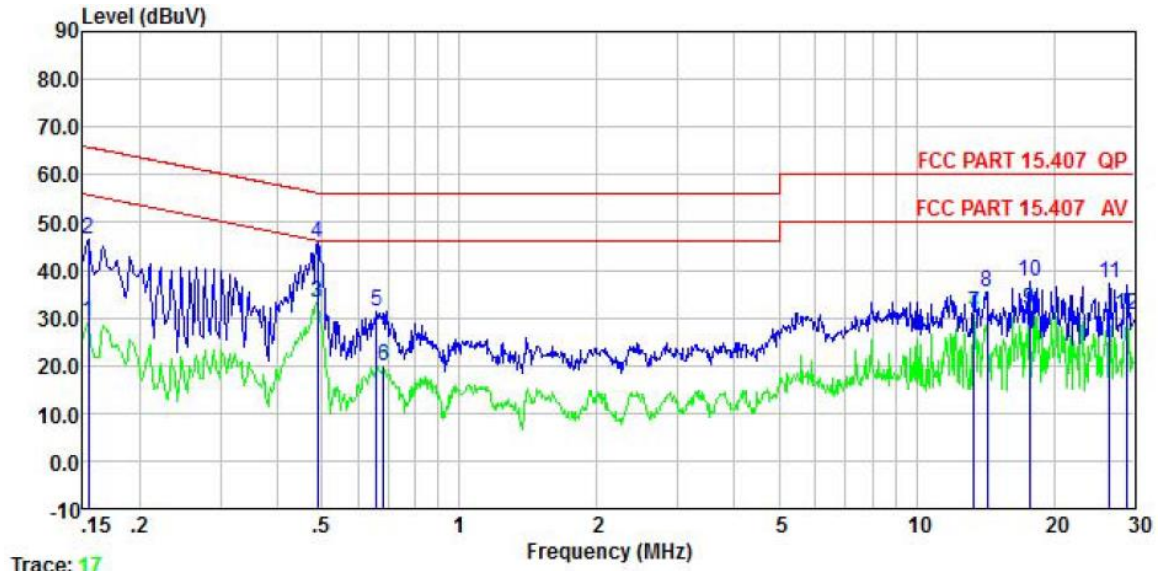
Test items	Standard clause	Test data	Result
Antenna Requirement	15.203	Please refer to report MDE_UBLOX_2110_FCC _02, FCC ID: XPYMAYAW161.	Please refer to report MDE_UBLOX_2110_F CC_02, FCC ID: XPYMAYAW161.
AC Power Line Conducted Emission	15.207 15.407 (b)(9)	See Section 5.2	Pass
Duty Cycle	ANSI C63.10-2013	Please refer to report MDE_UBLOX_2110_FCC _02, FCC ID: XPYMAYAW161.	Please refer to report MDE_UBLOX_2110_F CC_02, FCC ID: XPYMAYAW161.
Conducted Peak Output Power Power Spectral Density	15.407 (a)(1)(iv), (a)(2), (a)(3)(i)	Please refer to report MDE_UBLOX_2110_FCC _02, FCC ID: XPYMAYAW161.	Please refer to report MDE_UBLOX_2110_F CC_02, FCC ID: XPYMAYAW161.
26dB Emission Bandwidth 99% Occupied Bandwidth	15.407 (a)(12)	Please refer to report MDE_UBLOX_2110_FCC _02, FCC ID: XPYMAYAW161.	Please refer to report MDE_UBLOX_2110_F CC_02, FCC ID: XPYMAYAW161.
6dB Emission Bandwidth	15.407 (e)	Please refer to report MDE_UBLOX_2110_FCC _02, FCC ID: XPYMAYAW161.	Please refer to report MDE_UBLOX_2110_F CC_02, FCC ID: XPYMAYAW161.
Unwanted Emissions	15.205 15.209 15.407 (b)(1), (2), (3), (4), (9), (10)	See Section 5.3	Pass
Frequency Stability	15.407 (g)	Please refer to report MDE_UBLOX_2110_FCC _02, FCC ID: XPYMAYAW161.	Please refer to report MDE_UBLOX_2110_F CC_02, FCC ID: XPYMAYAW161.
Dynamic frequency selection	15.407 (h)(2)	See DFS Report: JYTSZ-R12-2501025	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable. 3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 1.0dB (provided by the customer). 4. Please refer to report MDE_UBLOX_2110_FCC_02, FCC ID: XPYMAYAW161 issue by 7layers GmbH Borsigstrasse 1140880 Ratingen Germany.			
Test Method:	ANSI C63.10-2013 KDB 789033 D02 General U-NII Test Procedures New Rules v02r01		

5.1.2 Test Limit

Test items	Limit																						
Unwanted Emissions	(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of ?27 dBm/MHz.																						
	(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of ?27 dBm/MHz.																						
	(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p.of ?27 dBm/MHz.																						
	(4) For transmitters operating solely in the 5.725-5.850 GHz band: All emissions shall be limited to a level of ?27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.																						
	(5) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. The provisions of § 15.205 apply to intentional radiators operating under this section:																						
	<table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV/m)</th><th rowspan="2">Detector</th></tr><tr><th>@ 3m</th><th>@ 10m</th></tr><tr><td>30 – 88</td><td>40.0</td><td>30.0</td><td>Quasi-peak</td></tr><tr><td>88 – 216</td><td>43.5</td><td>33.5</td><td>Quasi-peak</td></tr><tr><td>216 – 960</td><td>46.0</td><td>36.0</td><td>Quasi-peak</td></tr><tr><td>960 – 1000</td><td>54.0</td><td>44.0</td><td>Quasi-peak</td></tr></table>	Frequency (MHz)	Limit (dBµV/m)		Detector	@ 3m	@ 10m	30 – 88	40.0	30.0	Quasi-peak	88 – 216	43.5	33.5	Quasi-peak	216 – 960	46.0	36.0	Quasi-peak	960 – 1000	54.0	44.0	Quasi-peak
	Frequency (MHz)		Limit (dBµV/m)			Detector																	
		@ 3m	@ 10m																				
	30 – 88	40.0	30.0	Quasi-peak																			
	88 – 216	43.5	33.5	Quasi-peak																			
216 – 960	46.0	36.0	Quasi-peak																				
960 – 1000	54.0	44.0	Quasi-peak																				
Note: The more stringent limit applies at transition frequencies.																							
<table><tr><th rowspan="2">Frequency</th><th colspan="2">Limit (dBµV/m) @ 3m</th></tr><tr><th>Average</th><th>Peake</th></tr><tr><td>Above 1 GHz</td><td>54.0</td><td>74.0</td></tr></table>	Frequency	Limit (dBµV/m) @ 3m		Average	Peake	Above 1 GHz	54.0	74.0															
Frequency		Limit (dBµV/m) @ 3m																					
	Average	Peake																					
Above 1 GHz	54.0	74.0																					
Note: The measurement bandwidth shall be 1 MHz or greater.																							

5.2 AC Power Line Conducted Emission

Product name:	CoreLocator	Product model:	CHW-LOC4000
Test by:	Kiran Zeng	Test mode:	5G Wi-Fi mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		

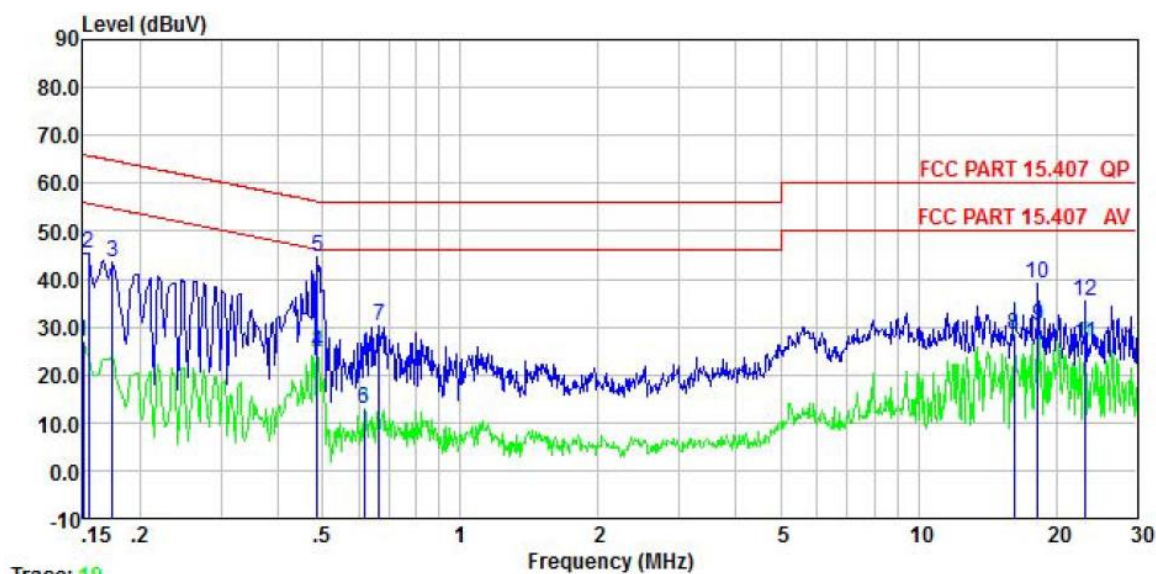


	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.154	8.87	10.19	0.00	9.88	0.01	28.95	55.78	-26.83	Average
2	0.154	26.41	10.19	0.00	9.88	0.01	46.49	65.78	-19.29	QP
3	0.489	13.14	10.15	0.00	9.88	0.03	33.20	46.19	-12.99	Average
4	0.489	25.54	10.15	0.00	9.88	0.03	45.60	56.19	-10.59	QP
5	0.658	11.23	10.17	0.00	9.88	0.03	31.31	56.00	-24.69	QP
6	0.683	-0.03	10.15	0.00	9.88	0.03	20.03	46.00	-25.97	Average
7	13.337	10.20	10.65	0.00	9.92	0.11	30.88	50.00	-19.12	Average
8	14.288	14.74	10.74	0.00	9.93	0.13	35.54	60.00	-24.46	QP
9	17.661	11.10	10.57	0.00	9.95	0.15	31.77	50.00	-18.23	Average
10	17.661	16.78	10.57	0.00	9.95	0.15	37.45	60.00	-22.55	QP
11	26.418	16.64	10.33	0.00	10.01	0.21	37.19	60.00	-22.81	QP
12	28.755	10.06	10.31	0.00	10.03	0.20	30.60	50.00	-19.40	Average

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

Product name:	CoreLocator	Product model:	CHW-LOC4000
Test by:	Kiran Zeng	Test mode:	5G Wi-Fi mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.150	6.79	10.20	0.00	9.88	0.01	26.88	56.00	-29.12	Average
2	0.154	25.22	10.20	0.00	9.88	0.01	45.31	65.78	-20.47	QP
3	0.174	23.37	10.20	0.00	9.88	0.01	43.46	64.77	-21.31	QP
4	0.486	4.70	10.20	0.00	9.88	0.03	24.81	46.23	-21.42	Average
5	0.486	24.41	10.20	0.00	9.88	0.03	44.52	56.23	-11.71	QP
6	0.617	-7.45	10.30	0.00	9.88	0.02	12.75	46.00	-33.25	Average
7	0.665	10.02	10.30	0.00	9.88	0.03	30.23	56.00	-25.77	QP
8	16.140	7.66	10.60	0.00	9.94	0.16	28.36	50.00	-21.64	Average
9	18.232	9.49	10.60	0.00	9.95	0.15	30.19	50.00	-19.81	Average
10	18.232	18.32	10.60	0.00	9.95	0.15	39.02	60.00	-20.98	QP
11	23.140	5.95	10.56	0.00	9.99	0.17	26.67	50.00	-23.33	Average
12	23.140	14.69	10.56	0.00	9.99	0.17	35.41	60.00	-24.59	QP

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

5.3 Unwanted Emissions

Above 1GHz

ANT 0:

Band 1: 5150 MHz - 5250 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	42.01	20.12	62.13	74.00	11.87	Vertical
10360.00	47.19	1.40	48.59	68.20	19.61	Vertical
5150.00	41.93	20.12	62.05	74.00	11.95	Horizontal
10360.00	48.18	1.40	49.58	68.20	18.62	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	30.44	20.12	50.56	54.00	3.44	Vertical
5150.00	30.08	20.12	50.20	54.00	3.80	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10400.00	47.68	2.45	50.13	68.20	18.07	Vertical
10400.00	47.88	2.45	50.33	68.20	17.87	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	41.08	19.93	61.01	74.00	12.99	Vertical
10480.00	46.96	2.74	49.70	68.20	18.50	Vertical
5350.00	39.90	19.93	59.83	74.00	14.17	Horizontal
10480.00	47.76	2.74	50.50	68.20	17.70	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	29.86	19.93	49.79	54.00	4.21	Vertical
5350.00	29.60	19.93	49.53	54.00	4.47	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 1: 5150 MHz - 5250 MHz, 802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	45.39	20.12	65.51	74.00	8.49	Vertical
10360.00	47.44	1.40	48.84	68.20	19.36	Vertical
5150.00	41.12	20.12	61.24	74.00	12.76	Horizontal
10360.00	48.35	1.40	49.75	68.20	18.45	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	32.51	20.12	52.63	54.00	1.37	Vertical
5150.00	30.21	20.12	50.33	54.00	3.67	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10400.00	47.89	2.45	50.34	68.20	17.86	Vertical
10400.00	47.98	2.45	50.43	68.20	17.77	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	40.39	19.93	60.32	74.00	13.68	Vertical
10480.00	46.63	2.74	49.37	68.20	18.83	Vertical
5350.00	40.84	19.93	60.77	74.00	13.23	Horizontal
10480.00	47.72	2.74	50.46	68.20	17.74	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	29.34	19.93	49.27	54.00	4.73	Vertical
5350.00	29.59	19.93	49.52	54.00	4.48	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 1: 5150 MHz - 5250 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	44.05	20.12	64.17	74.00	9.83	Vertical
10380.00	46.86	1.96	48.82	68.20	19.38	Vertical
5150.00	43.98	20.12	64.10	74.00	9.90	Horizontal
10380.00	48.52	1.96	50.48	68.20	17.72	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	30.88	20.12	51.00	54.00	3.00	Vertical
5150.00	30.61	20.12	50.73	54.00	3.27	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	43.27	19.93	63.20	74.00	10.80	Vertical
10460.00	46.84	1.64	48.48	68.20	19.72	Vertical
5350.00	39.97	19.93	59.90	74.00	14.10	Horizontal
10460.00	48.86	1.64	50.50	68.20	17.70	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	31.08	19.93	51.01	54.00	2.99	Vertical
5350.00	29.78	19.93	49.71	54.00	4.29	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

ANT1:

Band 1: 5150 MHz - 5250 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	42.81	20.12	62.93	74.00	11.07	Vertical
10360.00	47.21	1.40	48.61	68.20	19.59	Vertical
5150.00	42.29	20.12	62.41	74.00	11.59	Horizontal
10360.00	47.10	1.40	48.50	68.20	19.70	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	30.02	20.12	50.14	54.00	3.86	Vertical
5150.00	29.85	20.12	49.97	54.00	4.03	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10400.00	47.39	2.45	49.84	68.20	18.36	Vertical
10400.00	46.70	2.45	49.15	68.20	19.05	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	40.33	19.93	60.26	74.00	13.74	Vertical
10480.00	47.54	2.74	50.28	68.20	17.92	Vertical
5350.00	40.70	19.93	60.63	74.00	13.37	Horizontal
10480.00	47.11	2.74	49.85	68.20	18.35	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	29.65	19.93	49.58	54.00	4.42	Vertical
5350.00	29.45	19.93	49.38	54.00	4.62	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 1: 5150 MHz - 5250 MHz, 802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	43.45	20.12	63.57	74.00	10.43	Vertical
10360.00	47.18	1.40	48.58	68.20	19.62	Vertical
5150.00	39.76	20.12	59.88	74.00	14.12	Horizontal
10360.00	46.73	1.40	48.13	68.20	20.07	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	31.10	20.12	51.22	54.00	2.78	Vertical
5150.00	29.69	20.12	49.81	54.00	4.19	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10400.00	47.10	2.45	49.55	68.20	18.65	Vertical
10400.00	46.46	2.45	48.91	68.20	19.29	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	39.94	19.93	59.87	74.00	14.13	Vertical
10480.00	47.35	2.74	50.09	68.20	18.11	Vertical
5350.00	41.25	19.93	61.18	74.00	12.82	Horizontal
10480.00	47.02	2.74	49.76	68.20	18.44	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	30.17	19.93	50.10	54.00	3.90	Vertical
5350.00	29.37	19.93	49.30	54.00	4.70	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 1: 5150 MHz - 5250 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	44.81	20.12	64.93	74.00	9.07	Vertical
10380.00	46.80	1.96	48.76	68.20	19.44	Vertical
5150.00	44.36	20.12	64.48	74.00	9.52	Horizontal
10380.00	47.35	1.96	49.31	68.20	18.89	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	30.53	20.12	50.65	54.00	3.35	Vertical
5150.00	30.81	20.12	50.93	54.00	3.07	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	43.75	19.93	63.68	74.00	10.32	Vertical
10460.00	46.50	1.64	48.14	68.20	20.06	Vertical
5350.00	40.41	19.93	60.34	74.00	13.66	Horizontal
10460.00	48.71	1.64	50.35	68.20	17.85	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	31.05	19.93	50.98	54.00	3.02	Vertical
5350.00	29.57	19.93	49.50	54.00	4.50	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

ANT 0:

Band 2: 5250 MHz - 5350 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	41.32	20.12	61.44	74.00	12.56	Vertical
10520.00	47.48	2.93	50.41	68.20	17.79	Vertical
5150.00	40.58	20.12	60.70	74.00	13.30	Horizontal
10520.00	47.21	2.93	50.14	68.20	18.06	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	29.82	20.12	49.94	54.00	4.06	Vertical
5150.00	29.67	20.12	49.79	54.00	4.21	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10560.00	47.15	1.68	48.83	68.20	19.37	Vertical
10560.00	47.08	1.68	48.76	68.20	19.44	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	48.95	19.93	68.88	74.00	5.12	Vertical
10640.00	47.85	2.76	50.61	74.00	23.39	Vertical
5350.00	41.13	19.93	61.06	74.00	12.94	Horizontal
10640.00	47.27	2.76	50.03	74.00	23.97	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	32.49	19.93	52.42	54.00	1.58	Vertical
10640.00	25.42	2.76	28.18	54.00	25.82	Vertical
5350.00	29.88	19.93	49.81	54.00	4.19	Horizontal
10640.00	38.50	2.76	41.26	54.00	12.74	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 2: 5250 MHz - 5350 MHz, 802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	41.25	20.12	61.37	74.00	12.63	Vertical
10520.00	47.99	2.93	50.92	68.20	17.28	Vertical
5150.00	40.92	20.12	61.04	74.00	12.96	Horizontal
10520.00	46.88	2.93	49.81	68.20	18.39	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	29.81	20.12	49.93	54.00	4.07	Vertical
5150.00	29.68	20.12	49.80	54.00	4.20	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10560.00	47.19	1.68	48.87	68.20	19.33	Vertical
10560.00	47.32	1.68	49.00	68.20	19.20	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	48.48	19.93	68.41	74.00	5.59	Vertical
10640.00	47.84	2.76	50.60	74.00	23.40	Vertical
5350.00	41.73	19.93	61.66	74.00	12.34	Horizontal
10640.00	47.74	2.76	50.50	74.00	23.50	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	33.50	19.93	53.43	54.00	0.57	Vertical
10640.00	24.98	2.76	27.74	54.00	26.26	Vertical
5350.00	30.50	19.93	50.43	54.00	3.57	Horizontal
10640.00	38.99	2.76	41.75	54.00	12.25	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 2: 5250 MHz - 5350 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	41.47	20.12	61.59	74.00	12.41	Vertical
10540.00	47.63	2.06	49.69	68.20	18.51	Vertical
5150.00	41.43	20.12	61.55	74.00	12.45	Horizontal
10540.00	47.25	2.06	49.31	68.20	18.89	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	30.42	20.12	50.54	54.00	3.46	Vertical
5150.00	29.80	20.12	49.92	54.00	4.08	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	44.62	19.93	64.55	74.00	9.45	Vertical
10620.00	48.33	2.28	50.61	74.00	23.39	Vertical
5350.00	42.14	19.93	62.07	74.00	11.93	Horizontal
10620.00	46.94	2.28	49.22	74.00	24.78	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	32.87	19.93	52.80	54.00	1.20	Vertical
10620.00	25.21	2.28	27.49	54.00	26.51	Vertical
5350.00	30.41	19.93	50.34	54.00	3.66	Horizontal
10620.00	38.19	2.28	40.47	54.00	13.53	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

ANT 1:

Band 2: 5250 MHz - 5350 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	41.67	20.12	61.79	74.00	12.21	Vertical
10520.00	48.83	2.93	51.76	68.20	16.44	Vertical
5150.00	41.06	20.12	61.18	74.00	12.82	Horizontal
10520.00	47.05	2.93	49.98	68.20	18.22	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	30.06	20.12	50.18	54.00	3.82	Vertical
5150.00	29.66	20.12	49.78	54.00	4.22	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10560.00	48.85	1.68	50.53	68.20	17.67	Vertical
10560.00	47.07	1.68	48.75	68.20	19.45	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	43.54	19.93	63.47	74.00	10.53	Vertical
10640.00	48.49	2.76	51.25	74.00	22.75	Vertical
5350.00	40.92	19.93	60.85	74.00	13.15	Horizontal
10640.00	46.60	2.76	49.36	74.00	24.64	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	31.15	19.93	51.08	54.00	2.92	Vertical
10640.00	38.79	2.76	41.55	54.00	12.45	Vertical
5350.00	29.60	19.93	49.53	54.00	4.47	Horizontal
10640.00	37.46	2.76	40.22	54.00	13.78	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 2: 5250 MHz - 5350 MHz, 802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	41.07	20.12	61.19	74.00	12.81	Vertical
10520.00	49.21	2.93	52.14	68.20	16.06	Vertical
5150.00	40.63	20.12	60.75	74.00	13.25	Horizontal
10520.00	47.21	2.93	50.14	68.20	18.06	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	29.87	20.12	49.99	54.00	4.01	Vertical
5150.00	29.75	20.12	49.87	54.00	4.13	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
10560.00	48.95	1.68	50.63	68.20	17.57	Vertical
10560.00	46.77	1.68	48.45	68.20	19.75	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	44.84	19.93	64.77	74.00	9.23	Vertical
10640.00	48.18	2.76	50.94	74.00	23.06	Vertical
5350.00	41.15	19.93	61.08	74.00	12.92	Horizontal
10640.00	46.52	2.76	49.28	74.00	24.72	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	31.75	19.93	51.68	54.00	2.32	Vertical
10640.00	38.59	2.76	41.35	54.00	12.65	Vertical
5350.00	29.72	19.93	49.65	54.00	4.35	Horizontal
10640.00	37.89	2.76	40.65	54.00	13.35	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 2: 5250 MHz - 5350 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	41.21	20.12	61.33	74.00	12.67	Vertical
10540.00	49.29	2.06	51.35	68.20	16.85	Vertical
5150.00	40.79	20.12	60.91	74.00	13.09	Horizontal
10540.00	47.26	2.06	49.32	68.20	18.88	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5150.00	30.08	20.12	50.20	54.00	3.80	Vertical
5150.00	29.67	20.12	49.79	54.00	4.21	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	44.96	19.93	64.89	74.00	9.11	Vertical
10620.00	48.95	2.28	51.23	74.00	22.77	Vertical
5350.00	42.08	19.93	62.01	74.00	11.99	Horizontal
10620.00	46.85	2.28	49.13	74.00	24.87	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5350.00	31.83	19.93	51.76	54.00	2.24	Vertical
10620.00	38.48	2.28	40.76	54.00	13.24	Vertical
5350.00	29.84	19.93	49.77	54.00	4.23	Horizontal
10620.00	37.61	2.28	39.89	54.00	14.11	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

ANT 0:

Band 3: 5470 MHz - 5725 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	42.38	20.96	63.34	68.20	4.86	Vertical
11000.00	47.95	2.64	50.59	74.00	23.41	Vertical
5470.00	36.42	20.96	57.38	68.20	10.82	Horizontal
11000.00	47.38	2.64	50.02	74.00	23.98	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11000.00	38.21	2.64	40.85	54.00	13.15	Vertical
11000.00	37.99	2.64	40.63	54.00	13.37	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	48.19	1.72	49.91	74.00	24.09	Vertical
11120.00	47.44	1.72	49.16	74.00	24.84	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	38.47	1.72	40.19	54.00	13.81	Vertical
11120.00	37.71	1.72	39.43	54.00	14.57	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	39.72	21.29	61.01	68.20	7.19	Vertical
11400.00	47.50	1.96	49.46	74.00	24.54	Vertical
5725.00	36.06	21.29	57.35	68.20	10.85	Horizontal
11400.00	47.37	1.96	49.33	74.00	24.67	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11400.00	38.12	1.96	40.08	54.00	13.92	Vertical
11400.00	38.20	1.96	40.16	54.00	13.84	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 3: 5470 MHz - 5725 MHz, 802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	43.18	20.96	64.14	68.20	4.06	Vertical
11000.00	47.46	2.64	50.10	74.00	23.90	Vertical
5470.00	38.46	20.96	59.42	68.20	8.78	Horizontal
11000.00	47.74	2.64	50.38	74.00	23.62	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11000.00	38.36	2.64	41.00	54.00	13.00	Vertical
11000.00	37.54	2.64	40.18	54.00	13.82	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	48.50	1.72	50.22	74.00	23.78	Vertical
11120.00	47.74	1.72	49.46	74.00	24.54	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	38.54	1.72	40.26	54.00	13.74	Vertical
11120.00	37.45	1.72	39.17	54.00	14.83	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	44.53	21.29	65.82	68.20	2.38	Vertical
11400.00	47.74	1.96	49.70	74.00	24.30	Vertical
5725.00	38.04	21.29	59.33	68.20	8.87	Horizontal
11400.00	47.34	1.96	49.30	74.00	24.70	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11400.00	37.77	1.96	39.73	54.00	14.27	Vertical
11400.00	38.61	1.96	40.57	54.00	13.43	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 3: 5470 MHz - 5725 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	43.92	20.96	64.88	68.20	3.32	Vertical
11020.00	47.85	2.43	50.28	74.00	23.72	Vertical
5470.00	38.18	20.96	59.14	68.20	9.06	Horizontal
11020.00	47.82	2.43	50.25	74.00	23.75	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11020.00	38.52	2.43	40.95	54.00	13.05	Vertical
11020.00	37.63	2.43	40.06	54.00	13.94	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11180.00	48.44	2.19	50.63	74.00	23.37	Vertical
11180.00	47.53	2.19	49.72	74.00	24.28	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11180.00	38.13	2.19	40.32	54.00	13.68	Vertical
11180.00	37.38	2.19	39.57	54.00	14.43	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	43.52	21.29	64.81	68.20	3.39	Vertical
11340.00	47.39	3.58	50.97	74.00	23.03	Vertical
5725.00	39.84	21.29	61.13	68.20	7.07	Horizontal
11340.00	48.13	3.58	51.71	74.00	22.29	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11340.00	38.99	3.58	42.57	54.00	11.43	Vertical
11340.00	37.30	3.58	40.88	54.00	13.12	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

ANT 1:

Band 3: 5470 MHz - 5725 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	38.31	20.96	59.27	68.20	8.93	Vertical
11000.00	47.79	2.64	50.43	74.00	23.57	Vertical
5470.00	36.05	20.96	57.01	68.20	11.19	Horizontal
11000.00	47.03	2.64	49.67	74.00	24.33	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11000.00	38.22	2.64	40.86	54.00	13.14	Vertical
11000.00	37.64	2.64	40.28	54.00	13.72	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	47.70	1.72	49.42	74.00	24.58	Vertical
11120.00	46.86	1.72	48.58	74.00	25.42	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	37.84	1.72	39.56	54.00	14.44	Vertical
11120.00	37.34	1.72	39.06	54.00	14.94	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	39.43	21.29	60.72	68.20	7.48	Vertical
11400.00	47.33	1.96	49.29	74.00	24.71	Vertical
5725.00	35.85	21.29	57.14	68.20	11.06	Horizontal
11400.00	46.75	1.96	48.71	74.00	25.29	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11400.00	38.42	1.96	40.38	54.00	13.62	Vertical
11400.00	37.90	1.96	39.86	54.00	14.14	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 3: 5470 MHz - 5725 MHz, 802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	41.55	20.96	62.51	68.20	5.69	Vertical
11000.00	47.39	2.64	50.03	74.00	23.97	Vertical
5470.00	35.41	20.96	56.37	68.20	11.83	Horizontal
11000.00	46.87	2.64	49.51	74.00	24.49	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11000.00	37.89	2.64	40.53	54.00	13.47	Vertical
11000.00	37.63	2.64	40.27	54.00	13.73	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	47.39	1.72	49.11	74.00	24.89	Vertical
11120.00	46.56	1.72	48.28	74.00	25.72	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11120.00	38.18	1.72	39.90	54.00	14.10	Vertical
11120.00	37.43	1.72	39.15	54.00	14.85	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	45.48	21.29	66.77	68.20	1.43	Vertical
11400.00	47.02	1.96	48.98	74.00	25.02	Vertical
5725.00	37.65	21.29	58.94	68.20	9.26	Horizontal
11400.00	46.89	1.96	48.85	74.00	25.15	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11400.00	38.81	1.96	40.77	54.00	13.23	Vertical
11400.00	37.67	1.96	39.63	54.00	14.37	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 3: 5470 MHz - 5725 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5470.00	45.14	20.96	66.10	68.20	2.10	Vertical
11020.00	47.67	2.43	50.10	74.00	23.90	Vertical
5470.00	38.66	20.96	59.62	68.20	8.58	Horizontal
11020.00	46.53	2.43	48.96	74.00	25.04	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11020.00	38.11	2.43	40.54	54.00	13.46	Vertical
11020.00	38.04	2.43	40.47	54.00	13.53	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11180.00	47.22	2.19	49.41	74.00	24.59	Vertical
11180.00	46.90	2.19	49.09	74.00	24.91	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11180.00	37.87	2.19	40.06	54.00	13.94	Vertical
11180.00	38.06	2.19	40.25	54.00	13.75	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5725.00	44.63	21.29	65.92	68.20	2.28	Vertical
11340.00	47.38	3.58	50.96	74.00	23.04	Vertical
5725.00	38.64	21.29	59.93	68.20	8.27	Horizontal
11340.00	47.00	3.58	50.58	74.00	23.42	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11340.00	38.35	3.58	41.93	54.00	12.07	Vertical
11340.00	38.07	3.58	41.65	54.00	12.35	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

ANT 0:

Band 4: 5725 MHz - 5825 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	42.31	20.81	63.12	68.20	5.08	Vertical
5700.00	42.43	21.58	64.01	105.20	41.19	Vertical
5720.00	48.65	21.35	70.00	110.80	40.80	Vertical
5725.00	51.25	21.29	72.54	122.20	49.66	Vertical
11490.00	47.44	2.44	49.88	74.00	24.12	Vertical
5650.00	41.83	20.81	62.64	68.20	5.56	Horizontal
5700.00	41.33	21.58	62.91	105.20	42.29	Horizontal
5720.00	41.14	21.35	62.49	110.80	48.31	Horizontal
5725.00	43.55	21.29	64.84	122.20	57.36	Horizontal
11490.00	46.51	2.44	48.95	74.00	25.05	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11490.00	37.34	2.44	39.78	54.00	14.22	Vertical
11490.00	36.89	2.44	39.33	54.00	14.67	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	47.57	2.74	50.31	74.00	23.69	Vertical
11570.00	46.28	2.74	49.02	74.00	24.98	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	36.96	2.74	39.70	54.00	14.30	Vertical
11570.00	36.73	2.74	39.47	54.00	14.53	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	52.11	21.10	73.21	122.20	48.99	Vertical
5855.00	47.93	21.15	69.08	110.80	41.72	Vertical
5875.00	45.07	21.36	66.43	105.20	38.77	Vertical
5925.00	40.39	21.70	62.09	68.20	6.11	Vertical
11650.00	47.06	2.00	49.06	74.00	24.94	Vertical
5850.00	44.20	21.10	65.30	122.20	56.90	Horizontal
5855.00	42.47	21.15	63.62	110.80	47.18	Horizontal
5875.00	40.26	21.36	61.62	105.20	43.58	Horizontal
5925.00	39.88	21.70	61.58	68.20	6.62	Horizontal
11650.00	46.61	2.00	48.61	74.00	25.39	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11650.00	37.66	2.00	39.66	54.00	14.34	Vertical
11650.00	36.91	2.00	38.91	54.00	15.09	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 4: 5725 MHz - 5825 MHz, 802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	41.47	20.81	62.28	68.20	5.92	Vertical
5700.00	43.42	21.58	65.00	105.20	40.20	Vertical
5720.00	45.22	21.35	66.57	110.80	44.23	Vertical
5725.00	56.49	21.29	77.78	122.20	44.42	Vertical
11490.00	47.17	2.44	49.61	74.00	24.39	Vertical
5650.00	40.75	20.81	61.56	68.20	6.64	Horizontal
5700.00	41.32	21.58	62.90	105.20	42.30	Horizontal
5720.00	41.15	21.35	62.50	110.80	48.30	Horizontal
5725.00	49.92	21.29	71.21	122.20	50.99	Horizontal
11490.00	46.55	2.44	48.99	74.00	25.01	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11490.00	37.76	2.44	40.20	54.00	13.80	Vertical
11490.00	36.55	2.44	38.99	54.00	15.01	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	47.68	2.74	50.42	74.00	23.58	Vertical
11570.00	46.52	2.74	49.26	74.00	24.74	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	37.06	2.74	39.80	54.00	14.20	Vertical
11570.00	36.58	2.74	39.32	54.00	14.68	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	49.39	21.10	70.49	122.20	51.71	Vertical
5855.00	47.79	21.15	68.94	110.80	41.86	Vertical
5875.00	45.05	21.36	66.41	105.20	38.79	Vertical
5925.00	40.59	21.70	62.29	68.20	5.91	Vertical
11650.00	47.11	2.00	49.11	74.00	24.89	Vertical
5850.00	43.68	21.10	64.78	122.20	57.42	Horizontal
5855.00	42.35	21.15	63.50	110.80	47.30	Horizontal
5875.00	40.23	21.36	61.59	105.20	43.61	Horizontal
5925.00	39.96	21.70	61.66	68.20	6.54	Horizontal
11650.00	46.60	2.00	48.60	74.00	25.40	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11650.00	37.63	2.00	39.63	54.00	14.37	Vertical
11650.00	37.26	2.00	39.26	54.00	14.74	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 4: 5725 MHz - 5825 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	41.99	20.81	62.80	68.20	5.40	Vertical
5700.00	47.44	21.58	69.02	105.20	36.18	Vertical
5720.00	60.55	21.35	81.90	110.80	28.90	Vertical
5725.00	60.78	21.29	82.07	122.20	40.13	Vertical
11510.00	46.73	2.60	49.33	74.00	24.67	Vertical
5650.00	40.70	20.81	61.51	68.20	6.69	Horizontal
5700.00	42.17	21.58	63.75	105.20	41.45	Horizontal
5720.00	54.53	21.35	75.88	110.80	34.92	Horizontal
5725.00	54.78	21.29	76.07	122.20	46.13	Horizontal
11510.00	46.86	2.60	49.46	74.00	24.54	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11510.00	37.55	2.60	40.15	54.00	13.85	Vertical
11510.00	37.13	2.60	39.73	54.00	14.27	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	48.05	21.10	69.15	122.20	53.05	Vertical
5855.00	48.68	21.15	69.83	110.80	40.97	Vertical
5875.00	47.09	21.36	68.45	105.20	36.75	Vertical
5925.00	42.36	21.70	64.06	68.20	4.14	Vertical
11590.00	46.46	2.73	49.19	74.00	24.81	Vertical
5850.00	44.02	21.10	65.12	122.20	57.08	Horizontal
5855.00	44.57	21.15	65.72	110.80	45.08	Horizontal
5875.00	43.43	21.36	64.79	105.20	40.41	Horizontal
5925.00	40.55	21.70	62.25	68.20	5.95	Horizontal
11590.00	46.67	2.73	49.40	74.00	24.60	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11590.00	37.19	2.73	39.92	54.00	14.08	Vertical
11590.00	37.44	2.73	40.17	54.00	13.83	Horizontal
Remark: 1. Level = Reading + Factor. 2. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

ANT 1:

Band 4: 5725 MHz - 5825 MHz, 802.11a						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	41.59	20.81	62.40	68.20	5.80	Vertical
5700.00	41.81	21.58	63.39	105.20	41.81	Vertical
5720.00	49.82	21.35	71.17	110.80	39.63	Vertical
5725.00	51.74	21.29	73.03	122.20	49.17	Vertical
11490.00	47.81	2.44	50.25	74.00	23.75	Vertical
5650.00	41.58	20.81	62.39	68.20	5.81	Horizontal
5700.00	41.43	21.58	63.01	105.20	42.19	Horizontal
5720.00	41.12	21.35	62.47	110.80	48.33	Horizontal
5725.00	43.34	21.29	64.63	122.20	57.57	Horizontal
11490.00	47.30	2.44	49.74	74.00	24.26	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11490.00	37.24	2.44	39.68	54.00	14.32	Vertical
11490.00	37.61	2.44	40.05	54.00	13.95	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	47.81	2.74	50.55	74.00	23.45	Vertical
11570.00	47.30	2.74	50.04	74.00	23.96	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	37.24	2.74	39.98	54.00	14.02	Vertical
11570.00	37.61	2.74	40.35	54.00	13.65	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	44.39	21.10	65.49	122.20	56.71	Vertical
5855.00	43.16	21.15	64.31	110.80	46.49	Vertical
5875.00	40.79	21.36	62.15	105.20	43.05	Vertical
5925.00	40.49	21.70	62.19	68.20	6.01	Vertical
11650.00	48.08	2.00	50.08	74.00	23.92	Vertical
5850.00	40.29	21.10	61.39	122.20	60.81	Horizontal
5855.00	39.94	21.15	61.09	110.80	49.71	Horizontal
5875.00	40.49	21.36	61.85	105.20	43.35	Horizontal
5925.00	41.14	21.70	62.84	68.20	5.36	Horizontal
11650.00	47.19	2.00	49.19	74.00	24.81	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11650.00	37.46	2.00	39.46	54.00	14.54	Vertical
11650.00	37.23	2.00	39.23	54.00	14.77	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 4: 5725 MHz - 5825 MHz, 802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	41.79	20.81	62.60	68.20	5.60	Vertical
5700.00	41.70	21.58	63.28	105.20	41.92	Vertical
5720.00	43.81	21.35	65.16	110.80	45.64	Vertical
5725.00	54.04	21.29	75.33	122.20	46.87	Vertical
11490.00	47.33	2.44	49.77	74.00	24.23	Vertical
5650.00	42.43	20.81	63.24	68.20	4.96	Horizontal
5700.00	41.78	21.58	63.36	105.20	41.84	Horizontal
5720.00	40.97	21.35	62.32	110.80	48.48	Horizontal
5725.00	45.81	21.29	67.10	122.20	55.10	Horizontal
11490.00	47.76	2.44	50.20	74.00	23.80	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11490.00	37.54	2.44	39.98	54.00	14.02	Vertical
11490.00	37.25	2.44	39.69	54.00	14.31	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	48.02	2.74	50.76	74.00	23.24	Vertical
11570.00	46.91	2.74	49.65	74.00	24.35	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11570.00	37.61	2.74	40.35	54.00	13.65	Vertical
11570.00	37.58	2.74	40.32	54.00	13.68	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	47.77	21.10	68.87	122.20	53.33	Vertical
5855.00	45.63	21.15	66.78	110.80	44.02	Vertical
5875.00	41.17	21.36	62.53	105.20	42.67	Vertical
5925.00	39.97	21.70	61.67	68.20	6.53	Vertical
11650.00	47.82	2.00	49.82	74.00	24.18	Vertical
5850.00	42.49	21.10	63.59	122.20	58.61	Horizontal
5855.00	40.89	21.15	62.04	110.80	48.76	Horizontal
5875.00	40.38	21.36	61.74	105.20	43.46	Horizontal
5925.00	40.31	21.70	62.01	68.20	6.19	Horizontal
11650.00	46.71	2.00	48.71	74.00	25.29	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11650.00	37.33	2.00	39.33	54.00	14.67	Vertical
11650.00	37.04	2.00	39.04	54.00	14.96	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

Band 4: 5725 MHz - 5825 MHz, 802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5650.00	41.85	20.81	62.66	68.20	5.54	Vertical
5700.00	45.49	21.58	67.07	105.20	38.13	Vertical
5720.00	58.34	21.35	79.69	110.80	31.11	Vertical
5725.00	59.61	21.29	80.90	122.20	41.30	Vertical
11510.00	47.41	2.60	50.01	74.00	23.99	Vertical
5650.00	40.76	20.81	61.57	68.20	6.63	Horizontal
5700.00	41.01	21.58	62.59	105.20	42.61	Horizontal
5720.00	50.47	21.35	71.82	110.80	38.98	Horizontal
5725.00	50.49	21.29	71.78	122.20	50.42	Horizontal
11510.00	46.99	2.60	49.59	74.00	24.41	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11510.00	36.89	2.60	39.49	54.00	14.51	Vertical
11510.00	36.54	2.60	39.14	54.00	14.86	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
5850.00	48.38	21.10	69.48	122.20	52.72	Vertical
5855.00	49.42	21.15	70.57	110.80	40.23	Vertical
5875.00	44.36	21.36	65.72	105.20	39.48	Vertical
5925.00	41.11	21.70	62.81	68.20	5.39	Vertical
11590.00	47.01	2.73	49.74	74.00	24.26	Vertical
5850.00	42.57	21.10	63.67	122.20	58.53	Horizontal
5855.00	43.03	21.15	64.18	110.80	46.62	Horizontal
5875.00	39.80	21.36	61.16	105.20	44.04	Horizontal
5925.00	40.07	21.70	61.77	68.20	6.43	Horizontal
11590.00	47.28	2.73	50.01	74.00	23.99	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
11590.00	36.82	2.73	39.55	54.00	14.45	Vertical
11590.00	37.01	2.73	39.74	54.00	14.26	Horizontal
Remark: 3. Level = Reading + Factor. 4. Test Frequency up to 40GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.						

-----End of report-----