

FCC REPORT

(WIFI)

Applicant: Shenzhen AlldoCube Technology and Science Co.,Ltd

Address of Applicant: Building No.1, Suwang Industrial Park, Xiahenglang, Dalang,
Longhua District, Shenzhen, China

Equipment Under Test (EUT)

Product Name: Tablet PC

Model No.: i1101, KNOTE

Trade mark: ALLDOCUBE

FCC ID: 2AKO6ADC03

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 02 Nov., 2017

Date of Test: 02 Nov., to 21 Nov., 2017

Date of report issued: 22 Nov., 2017

Test Result: PASS*

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

| Version No. | Date | Description |
|-------------|---------------|-------------|
| 00 | 22 Nov., 2017 | Original |
| | | |
| | | |
| | | |
| | | |

Tested by:


Test Engineer

Date:

22 Nov., 2017

Reviewed by:


Project Engineer

Date:

22 Nov., 2017

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4 Test Summary

| Test Items | Section in CFR 47 | Result |
|---|-------------------|--------|
| Antenna requirement | 15.203/15.247 (c) | Pass |
| AC Power Line Conducted Emission | 15.207 | Pass |
| Conducted Peak Output Power | 15.247 (b)(3) | Pass |
| 6dB Emission Bandwidth | 15.247 (a)(2) | Pass |
| Power Spectral Density | 15.247 (e) | Pass |
| Band Edge | 15.247(d) | Pass |
| Conducted and Radiated Spurious Emission | 15.205/15.209 | Pass |
| Pass: The EUT complies with the essential requirements in the standard. | | |

5 General Information

5.1 Client Information

| | |
|------------------------|--|
| Applicant: | Shenzhen AlldoCube Technology and Science Co.,Ltd |
| Address: | Building No.1,Suwang Industrial Park, Xiahenglang,Dalang,Longhua District,Shenzhen,China |
| Manufacturer/ Factory: | Shenzhen Alldocube Technology and science Co., LTD |
| Address: | Building No.1,Suwang Industrial Park, Xiahenglang,Dalang,Longhua District,Shenzhen,China |

5.2 General Description of E.U.T.

| | |
|--|---|
| Product Name: | Tablet PC |
| Model No.: | i1101, KNOTE |
| Operation Frequency: | 2412MHz~2462MHz (802.11b/802.11g/802.11n(H20)) 2422MHz~2452MHz (802.11n(H40)) |
| Channel numbers: | 11 for 802.11b/802.11g/802.11(H20) 7 for 802.11n(H40) |
| Channel separation: | 5MHz |
| Modulation technology: (IEEE 802.11b) | Direct Sequence Spread Spectrum (DSSS) |
| Modulation technology: (IEEE 802.11g/802.11n) | Orthogonal Frequency Division Multiplexing(OFDM) |
| Data speed (IEEE 802.11b): | 1Mbps, 2Mbps, 5.5Mbps, 11Mbps |
| Data speed (IEEE 802.11g): | 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps,54Mbps |
| Data speed (IEEE 802.11n): | Up to 300Mbps |
| Antenna Type: | Internal Antenna |
| Antenna gain: | -2.81dBi |
| Power supply: | Rechargeable Li-ion Battery DC7.6V/4000mAh |
| AC adapter: | Model:AK36WG-120025U Input: AC100-240V, 50/60Hz, 0.8A Output: DC12V, 2.5A |
| Remark: | Model No.: i1101, KNOTE were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name. |

| Operation Frequency each of channel for 802.11b/g/n(H20) | | | | | | | |
|---|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1 | 2412MHz | 4 | 2427MHz | 7 | 2442MHz | 10 | 2457MHz |
| 2 | 2417MHz | 5 | 2432MHz | 8 | 2447MHz | 11 | 2462MHz |
| 3 | 2422MHz | 6 | 2437MHz | 9 | 2452MHz | | |
| Note: | | | | | | | |
| 1. For 802.11n-HT40 mode, the channel number is from 3 to 9; | | | | | | | |
| 2. Channel 1, 6 & 11 selected for 802.11b/g/n-HT20 as Lowest, Middle and Highest channel, Channel; 3, 6 & 9 selected for 802.11n-HT40 as Lowest, Middle and Highest channel, Channel. | | | | | | | |

5.3 Test environment and test mode

| Operating Environment: | |
|---|---|
| Temperature: | 24.0 °C |
| Humidity: | 54 % RH |
| Atmospheric Pressure: | 1010 mbar |
| Test mode: | |
| Transmitting mode | Keep the EUT in continuous transmitting with modulation |
| <p>The sample was placed 0.8m (below 1GHz)/1.5m (above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.</p> <p>We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:</p> | |
| Per-scan all kind of data rate, the follow list were the worst case. | |
| Mode | Data rate |
| 802.11b | 1Mbps |
| 802.11g | 6Mbps |
| 802.11n(H20) | 6.5Mbps |
| 802.11n(H40) | 13.5Mbps |

5.4 Description of Support Units

The EUT has been tested as an independent unit.

5.5 Measurement Uncertainty

| Parameters | Expanded Uncertainty |
|-------------------------------------|----------------------|
| Conducted Emission (9kHz ~ 30MHz) | 2.14 dB (k=2) |
| Radiated Emission (9kHz ~ 30MHz) | 4.24 dB (k=2) |
| Radiated Emission (30MHz ~ 1000MHz) | 4.35 dB (k=2) |
| Radiated Emission (1GHz ~ 18GHz) | 4.44 dB (k=2) |
| Radiated Emission (18GHz ~ 26.5GHz) | 4.56 dB (k=2) |

5.6 Laboratory Facility

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

- **FCC - Registration No.: 727551**

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

- **IC - Registration No.: 10106A-1**

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing 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 L6048**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

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

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 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>

5.7 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China

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

Email: info@ccis-cb.com, Website: <http://www.ccis-cb.com>

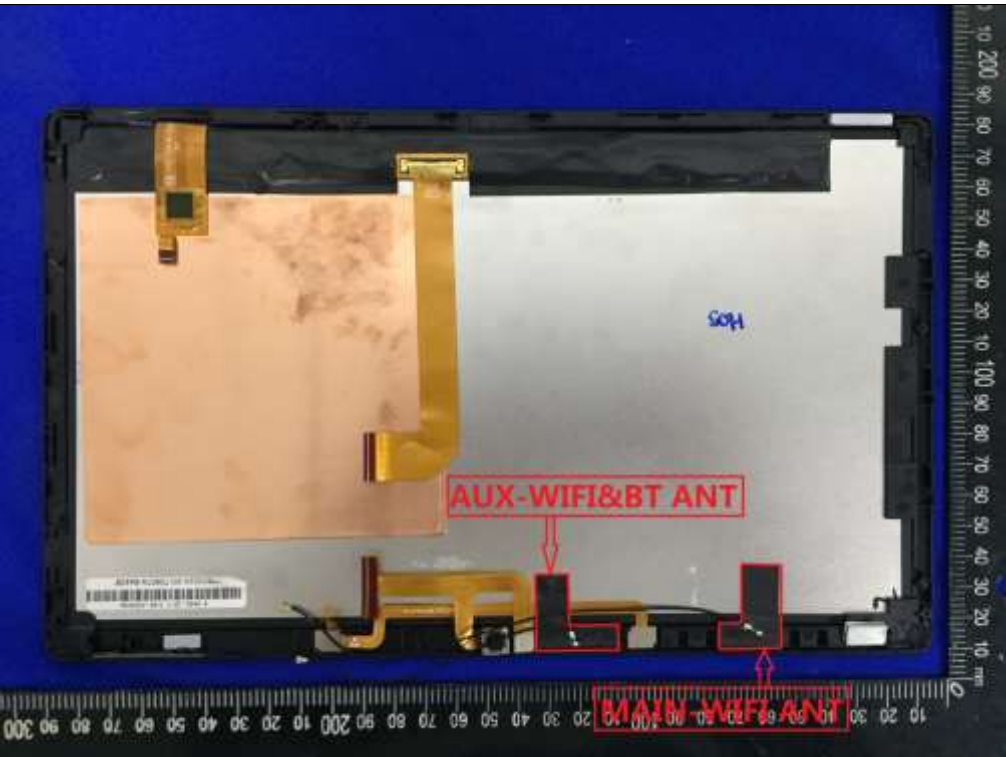
5.8 Test Instruments list

| Radiated Emission: | | | | | |
|--------------------|-----------------|---------------|------------|----------------------|--------------------------|
| Test Equipment | Manufacturer | Model No. | Serial No. | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| 3m SAC | SAEMC | 9m*6m*6m | 966 | 07-22-2017 | 07-21-2020 |
| Loop Antenna | SCHWARZBECK | FMZB1519B | 00044 | 02-25-2017 | 02-24-2018 |
| BiConiLog Antenna | SCHWARZBECK | VULB9163 | 497 | 02-25-2017 | 02-24-2018 |
| Horn Antenna | SCHWARZBECK | BBHA9120D | 916 | 02-25-2017 | 02-24-2018 |
| EMI Test Software | AUDIX | E3 | 6.110919b | N/A | N/A |
| Pre-amplifier | HP | 8447D | 2944A09358 | 02-25-2017 | 02-24-2018 |
| Pre-amplifier | CD | PAP-1G18 | 11804 | 02-25-2017 | 02-24-2018 |
| Spectrum analyzer | Rohde & Schwarz | FSP30 | 101454 | 02-25-2017 | 02-24-2018 |
| EMI Test Receiver | Rohde & Schwarz | ESRP7 | 101070 | 02-25-2017 | 02-24-2018 |
| Cable | ZDECL | Z108-NJ-NJ-81 | 1608458 | 02-25-2017 | 02-24-2018 |
| Cable | MICRO-COAX | MFR64639 | K10742-5 | 02-25-2017 | 02-24-2018 |
| Cable | SUHNER | SUCOFLEX100 | 58193/4PE | 02-25-2017 | 02-24-2018 |

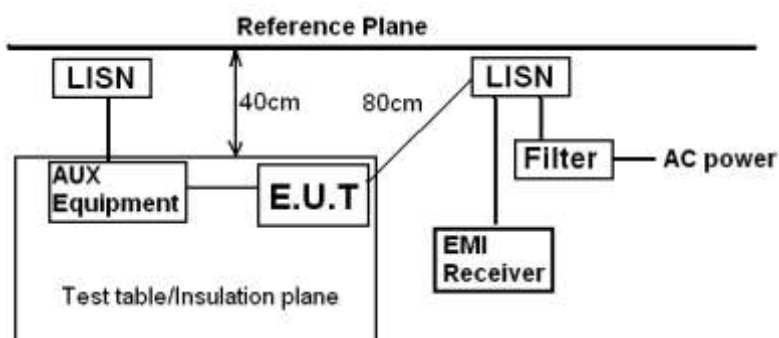
| Conducted Emission: | | | | | |
|---------------------|-----------------|------------|-------------|----------------------|--------------------------|
| Test Equipment | Manufacturer | Model No. | Serial No. | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| EMI Test Receiver | Rohde & Schwarz | ESCI | 101189 | 02-25-2017 | 02-24-2018 |
| Pulse Limiter | SCHWARZBECK | OSRAM 2306 | 9731 | 02-25-2017 | 02-24-2018 |
| LISN | CHASE | MN2050D | 1447 | 02-25-2017 | 02-24-2018 |
| LISN | Rohde & Schwarz | ESH3-Z5 | 8438621/010 | 07-21-2017 | 07-20-2018 |
| Cable | HP | 10503A | N/A | 02-25-2017 | 02-24-2018 |
| EMI Test Software | AUDIX | E3 | 6.110919b | N/A | N/A |

6 Test results and Measurement Data

6.1 Antenna requirement

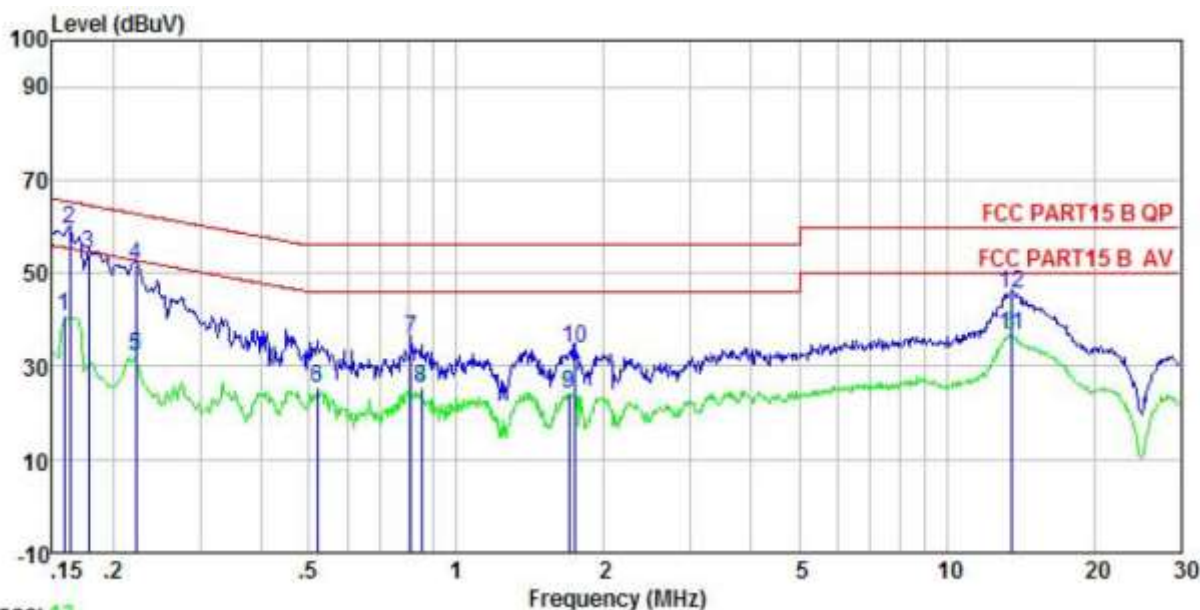
| | |
|--|--------------------------------------|
| Standard requirement: | FCC Part 15 C Section 15.203 /247(c) |
| <p>15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of 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.</p> <p>15.247(c) (1)(i) requirement: (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 6dBi 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 6dBi.</p> | |
| E.U.T Antenna: | |
| The WiFi antenna is an Internal Antenna which cannot replace by end-user, the best case gain of the antenna is -2.81 dBi. | |
|  | |

6.2 Conducted Emission

| | | | |
|--|---|--------------|-----------|
| Test Requirement: | FCC Part 15 C Section 15.207 | | |
| Test Method: | ANSI C63.10: 2013 | | |
| Test Frequency Range: | 150 kHz to 30 MHz | | |
| Class / Severity: | Class B | | |
| Receiver setup: | RBW=9 kHz, VBW=30 kHz | | |
| Limit: | Frequency range (MHz) | Limit (dBuV) | |
| | | 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 procedure | <ol style="list-style-type: none"> 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which 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 C63.4: 2014 on conducted measurement. | | |
| Test setup: |  <p>Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p> | | |
| Test Instruments: | Refer to section 5.8 for details | | |
| Test mode: | Refer to section 5.3 for details | | |
| Test results: | Passed | | |

Measurement Data:

Neutral:



Trace: 13

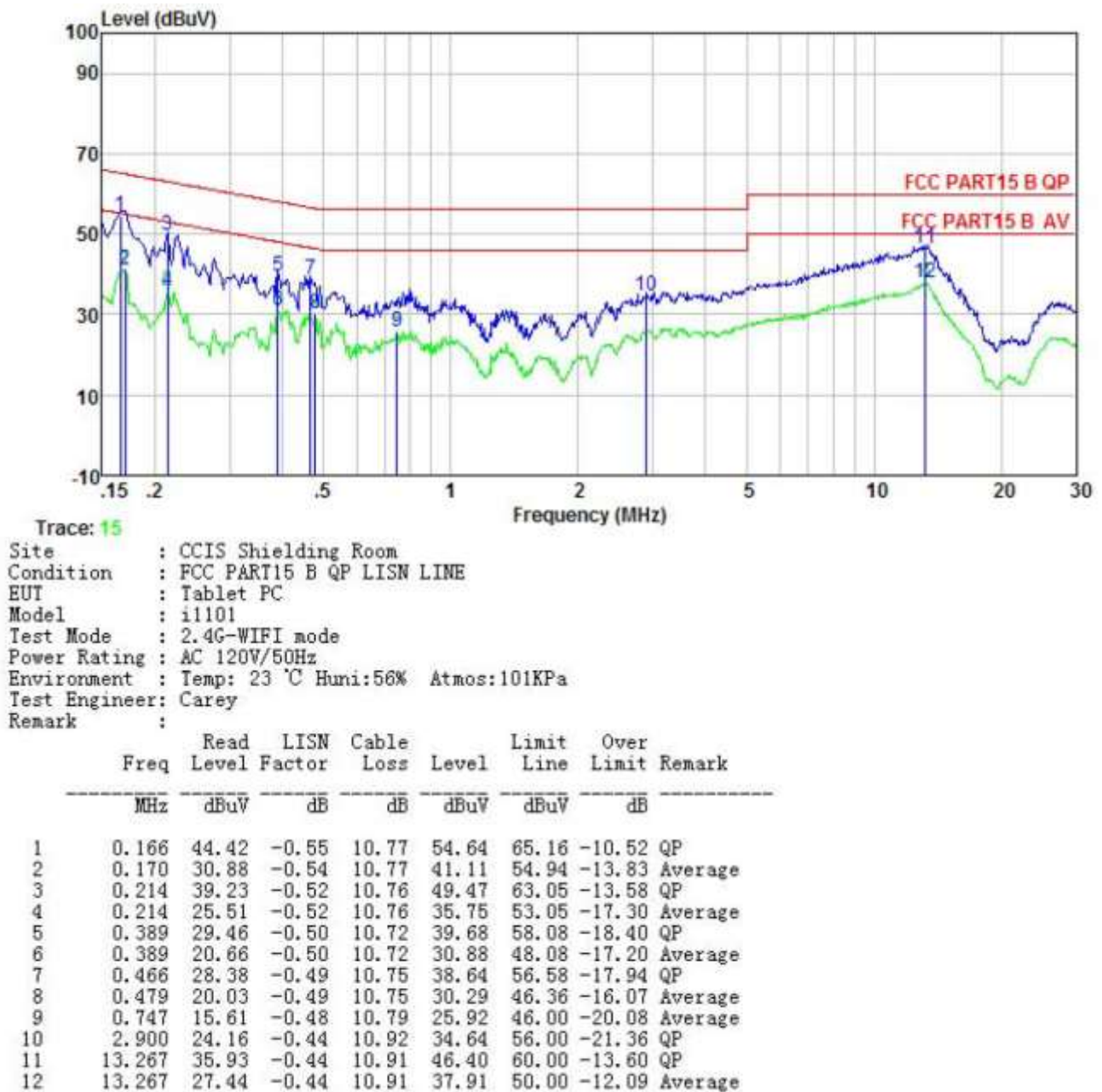
Site : CCIS Shielding Room
 Condition : FCC PART15 B QP LISN NEUTRAL
 EUT : Tablet PC
 Model : i1101
 Test Mode : 2.4G-WIFI mode
 Power Rating : AC 120V/50Hz
 Environment : Temp: 23 °C Humi:56% Atmos:101KPa
 Test Engineer: Carey
 Remark :

| | Freq | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.158 | 30.23 | -0.37 | 10.77 | 40.63 | 55.56 | -14.93 | Average |
| 2 | 0.162 | 48.93 | -0.37 | 10.77 | 59.33 | 65.34 | -6.01 | QP |
| 3 | 0.178 | 43.76 | -0.36 | 10.77 | 54.17 | 64.59 | -10.42 | QP |
| 4 | 0.222 | 41.27 | -0.33 | 10.76 | 51.70 | 62.74 | -11.04 | QP |
| 5 | 0.222 | 21.68 | -0.33 | 10.76 | 32.11 | 52.74 | -20.63 | Average |
| 6 | 0.521 | 14.72 | -0.30 | 10.76 | 25.18 | 46.00 | -20.82 | Average |
| 7 | 0.809 | 25.22 | -0.30 | 10.81 | 35.73 | 56.00 | -20.27 | QP |
| 8 | 0.848 | 14.83 | -0.29 | 10.82 | 25.36 | 46.00 | -20.64 | Average |
| 9 | 1.698 | 13.58 | -0.27 | 10.94 | 24.25 | 46.00 | -21.75 | Average |
| 10 | 1.744 | 23.33 | -0.27 | 10.94 | 34.00 | 56.00 | -22.00 | QP |
| 11 | 13.551 | 26.05 | -0.15 | 10.91 | 36.81 | 50.00 | -13.19 | Average |
| 12 | 13.623 | 34.69 | -0.16 | 10.91 | 45.44 | 60.00 | -14.56 | QP |

Notes:

1. An initial pre-scan was performed on the live and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss.

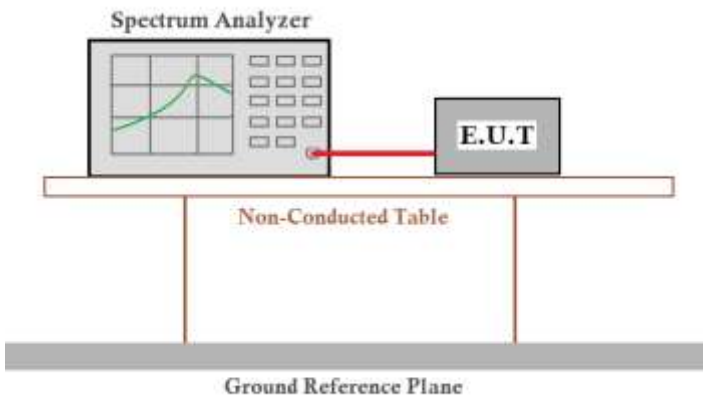
Line:



Notes:

1. An initial pre-scan was performed on the live and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss.

6.3 Conducted Output Power

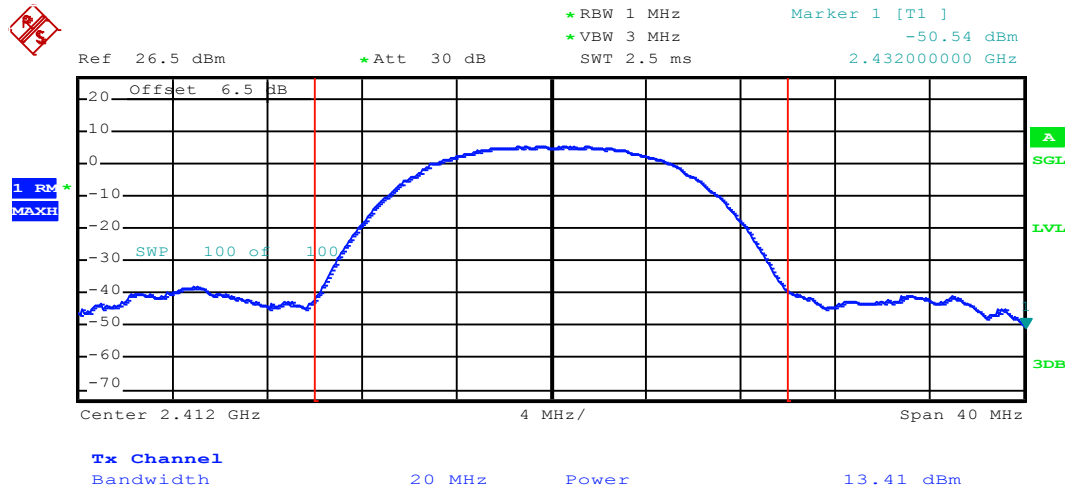
| | |
|-------------------|---|
| Test Requirement: | FCC Part 15 C Section 15.247 (b)(3) |
| Test Method: | ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 9.2.2.2 |
| Limit: | 30dBm |
| Test setup: |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by two vertical legs and is positioned above a Ground Reference Plane, which is represented by a thick grey bar at the bottom of the diagram.</p> |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

Measurement Data:

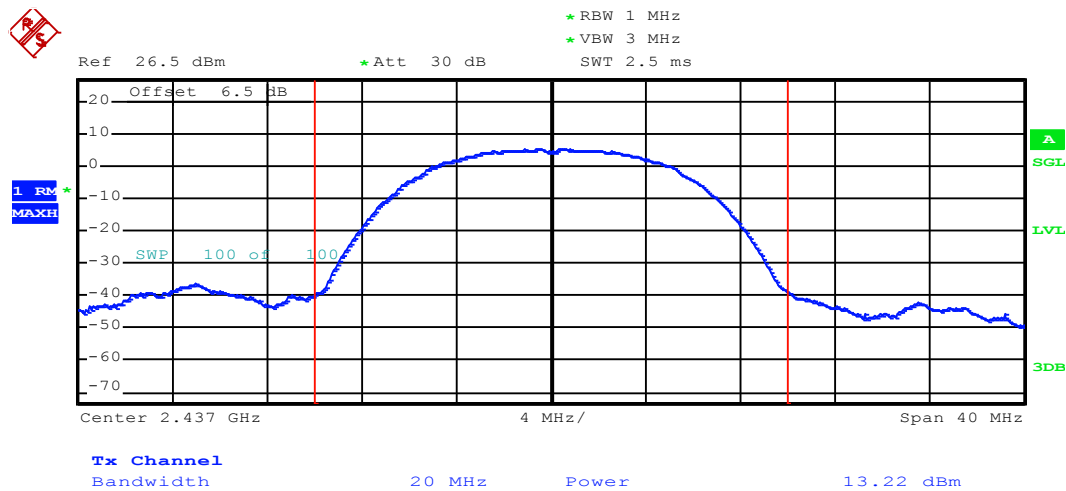
| Mode | Test CH | Ant. Port | Conducted Output power (dBm) | Total power (dBm) | Limit (dBm) | Result |
|-----------|---------|-----------|------------------------------------|----------------------|----------------|--------|
| 802.11b | Lowest | AUX | 13.41 | / | 30.00 | Pass |
| | | MAIN | 13.45 | | | |
| | Middle | AUX | 13.22 | / | | |
| | | MAIN | 12.47 | | | |
| | Highest | AUX | 13.59 | / | | |
| | | MAIN | 13.87 | | | |
| 802.11g | Lowest | AUX | 13.48 | / | 30.00 | Pass |
| | | MAIN | 11.70 | | | |
| | Middle | AUX | 11.11 | / | | |
| | | MAIN | 11.26 | | | |
| | Highest | AUX | 11.42 | / | | |
| | | MAIN | 11.23 | | | |
| 802.11n20 | Lowest | AUX | 7.41 | 10.50 | 30.00 | Pass |
| | | MAIN | 7.57 | | | |
| | Middle | AUX | 7.69 | 10.84 | | |
| | | MAIN | 7.97 | | | |
| | Highest | AUX | 7.95 | 10.88 | | |
| | | MAIN | 7.79 | | | |
| 802.11n40 | Lowest | AUX | 7.16 | 10.19 | 30.00 | Pass |
| | | MAIN | 7.20 | | | |
| | Middle | AUX | 6.99 | 10.20 | | |
| | | MAIN | 7.39 | | | |
| | Highest | AUX | 6.87 | 10.10 | | |
| | | MAIN | 7.29 | | | |

Test plot as follows:
AUX Antenna Port:

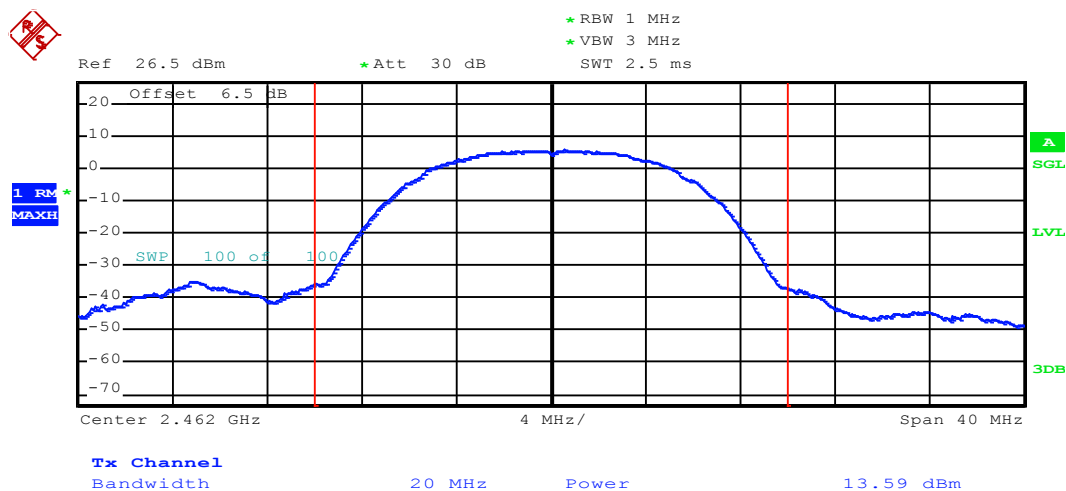
Test mode: 802.11b



Lowest channel

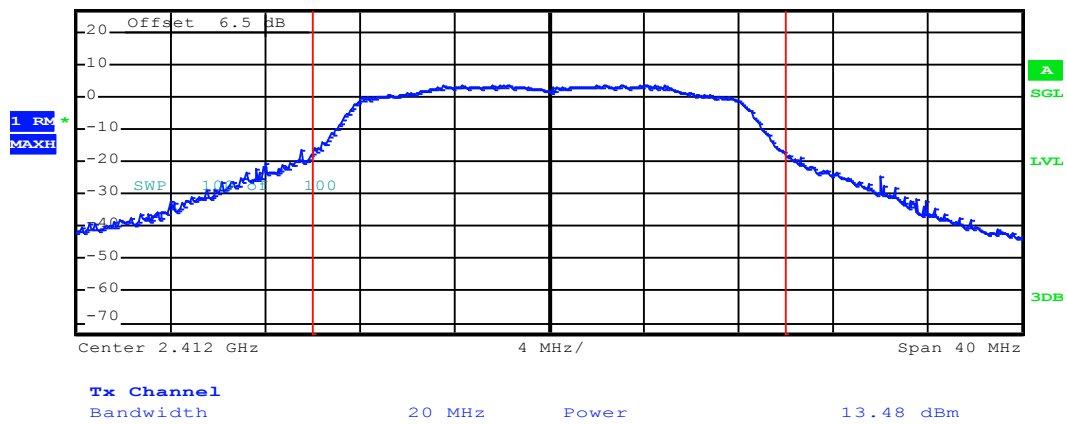


Middle channel

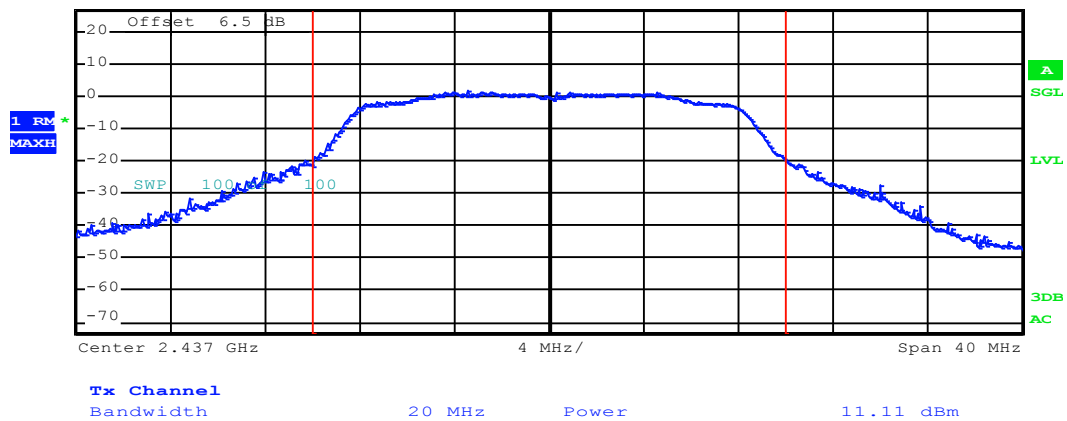


Highest channel

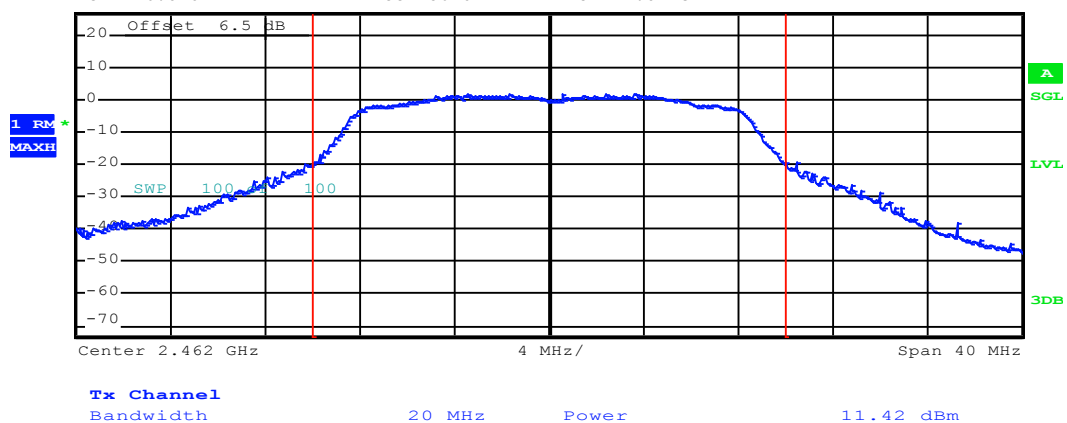
Test mode: 802.11g



Lowest channel



Middle channel

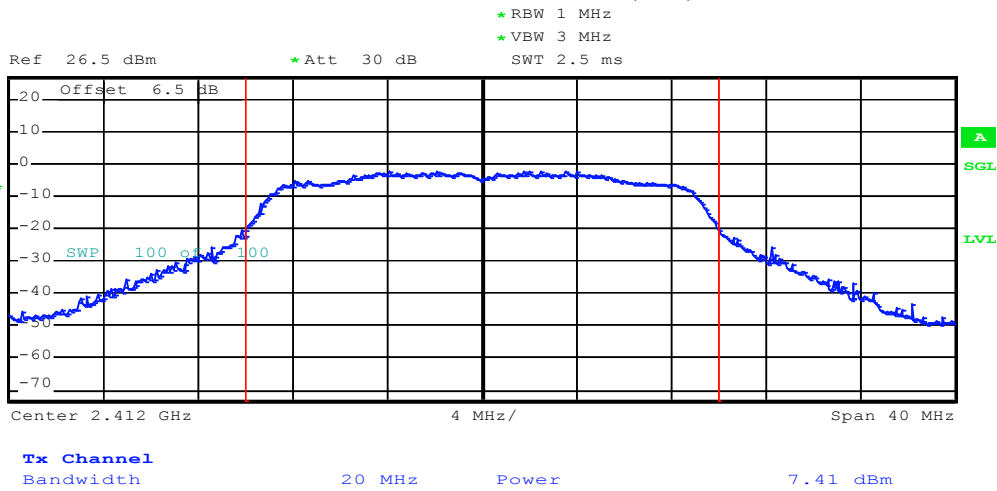


Highest channel

Test mode: 802.11n(H20)



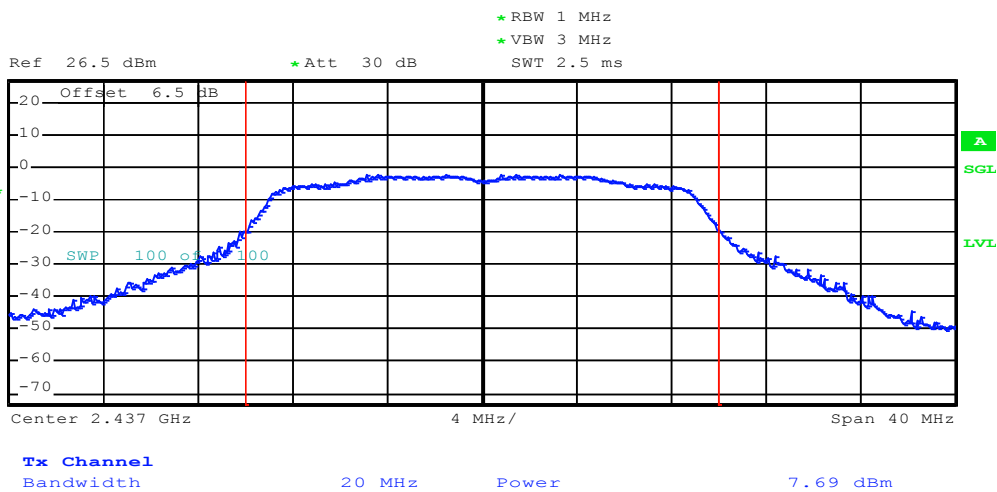
1 RM
MAXH



Lowest channel



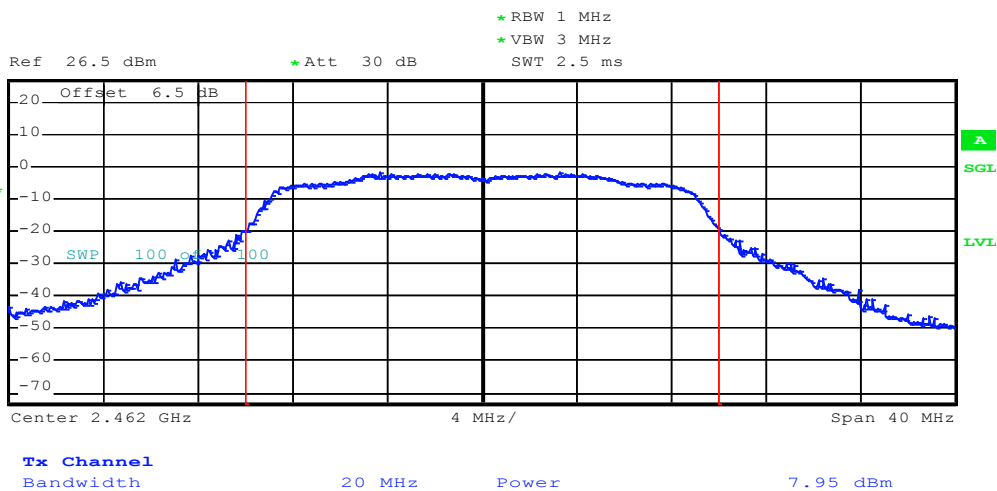
1 RM
MAXH



Middle channel

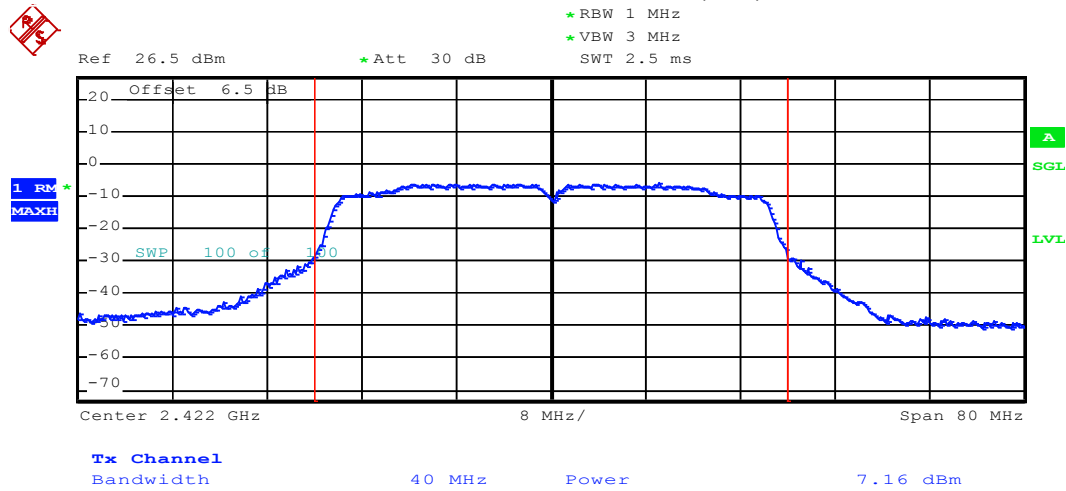


1 RM
MAXH

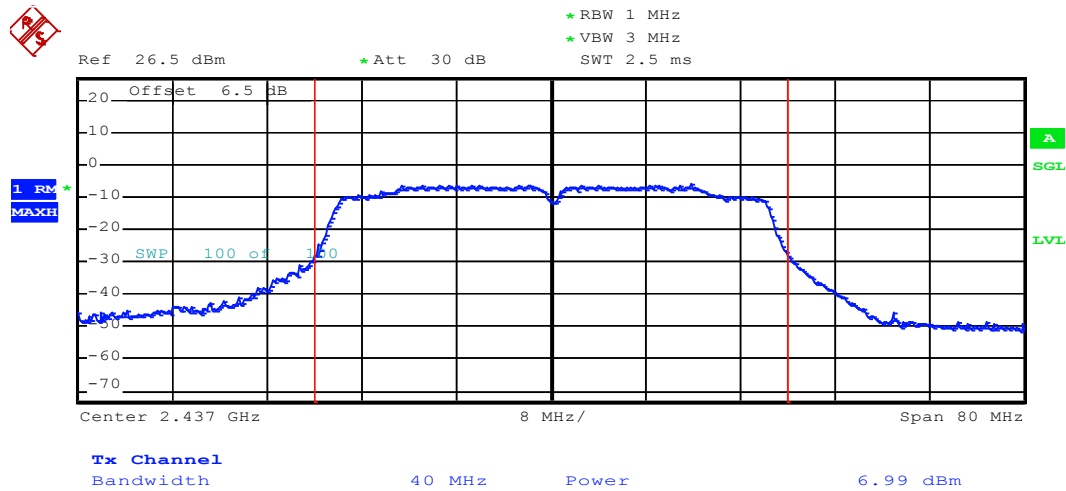


Highest channel

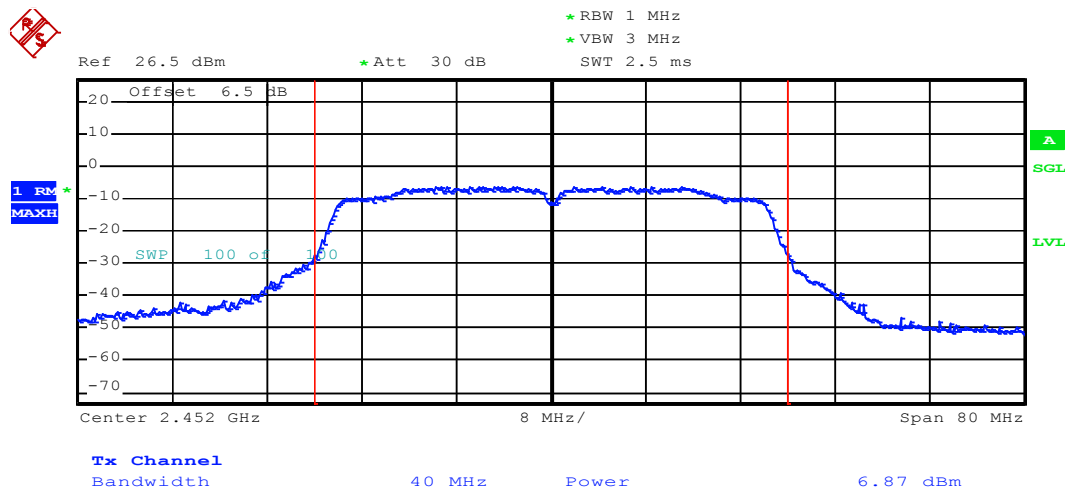
Test mode: 802.11n(H40)



Lowest channel



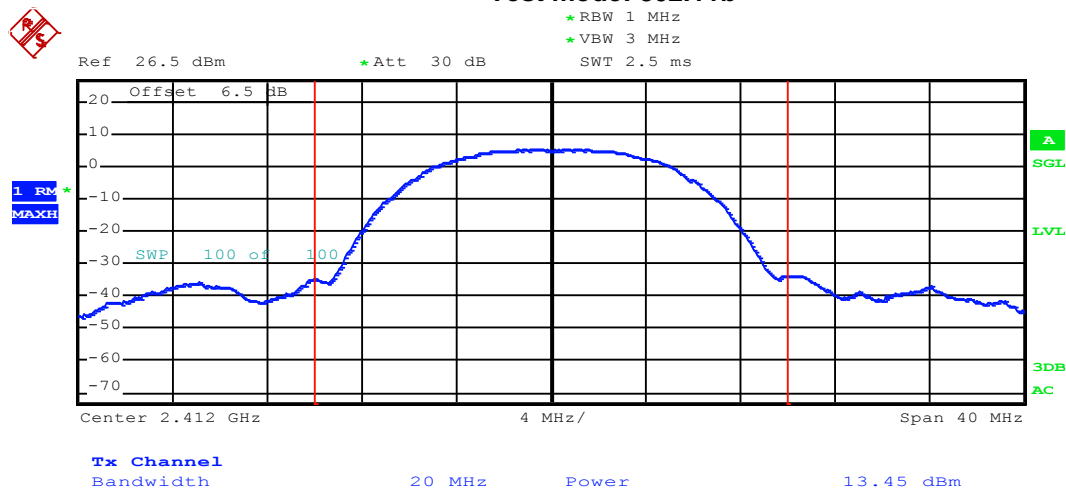
Middle channel



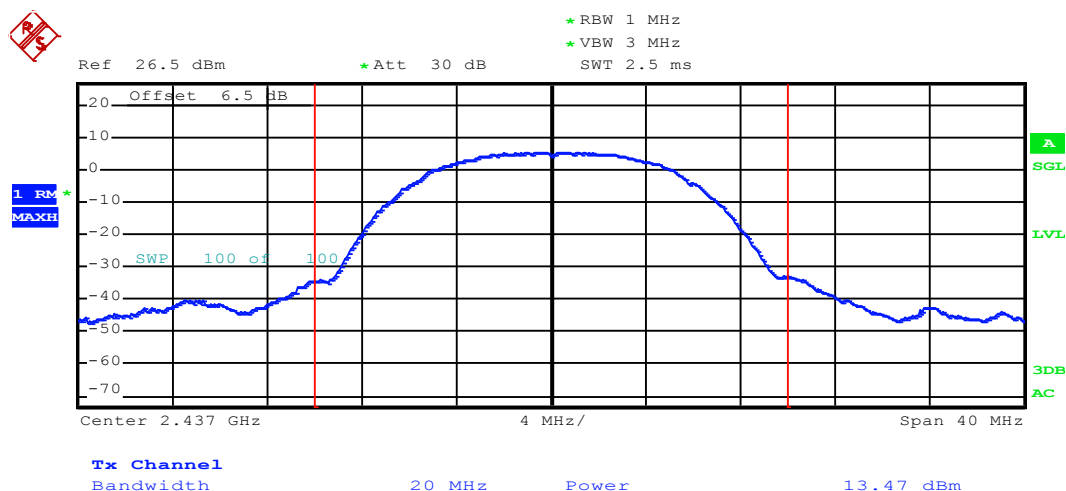
Highest channel

MAIN Antenna Port:

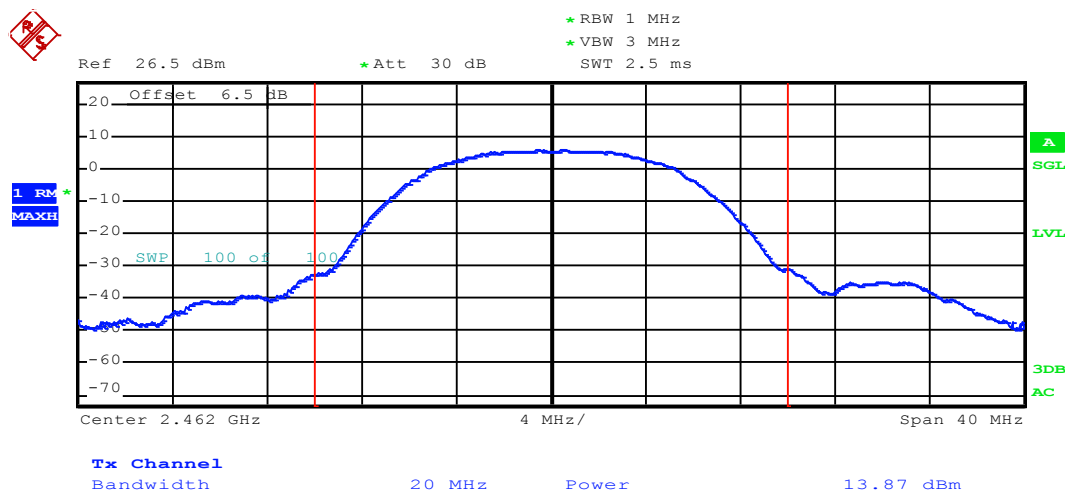
Test mode: 802.11b



Lowest channel

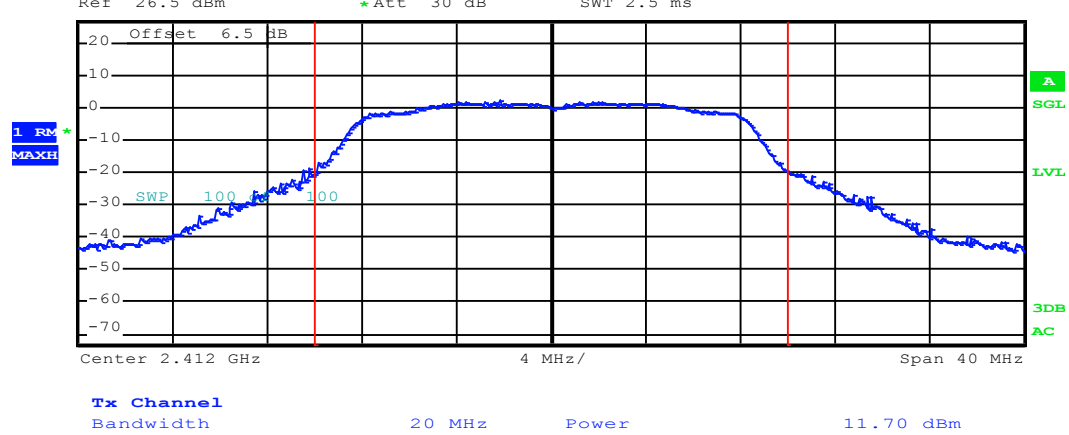


Middle channel

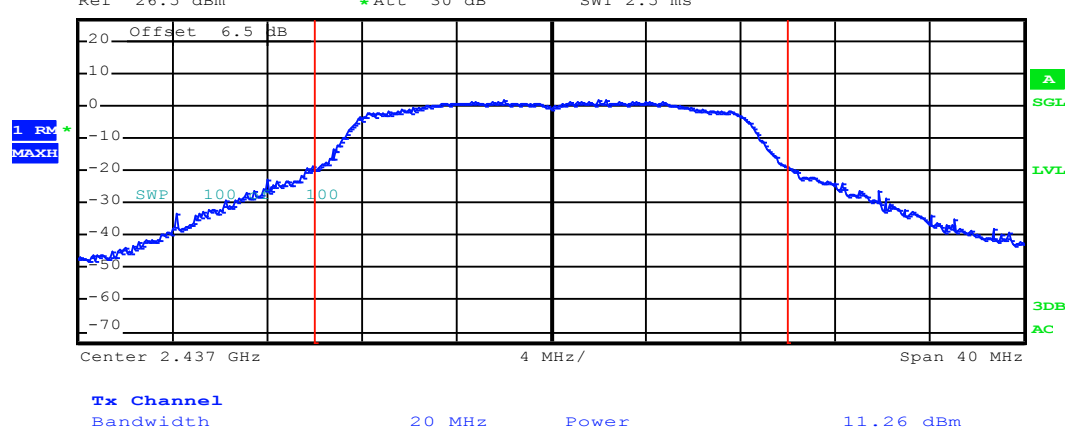


Highest channel

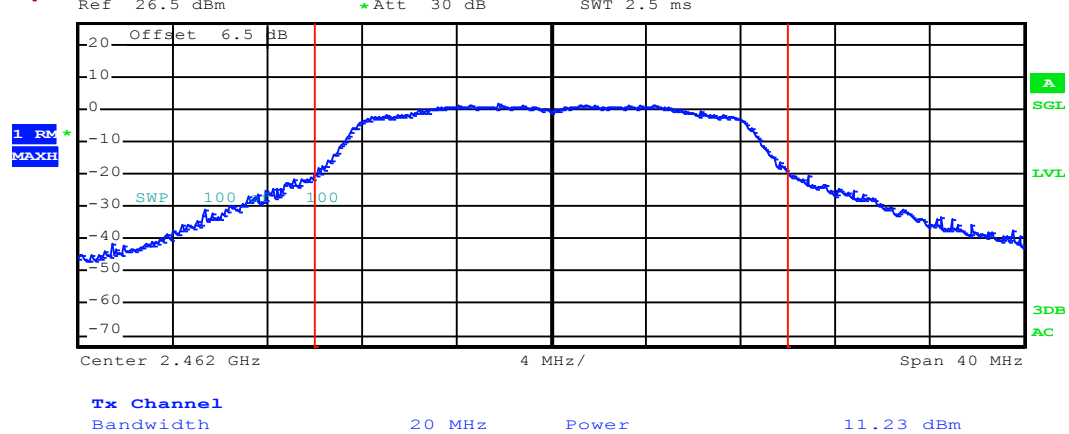
Test mode: 802.11g



Lowest channel

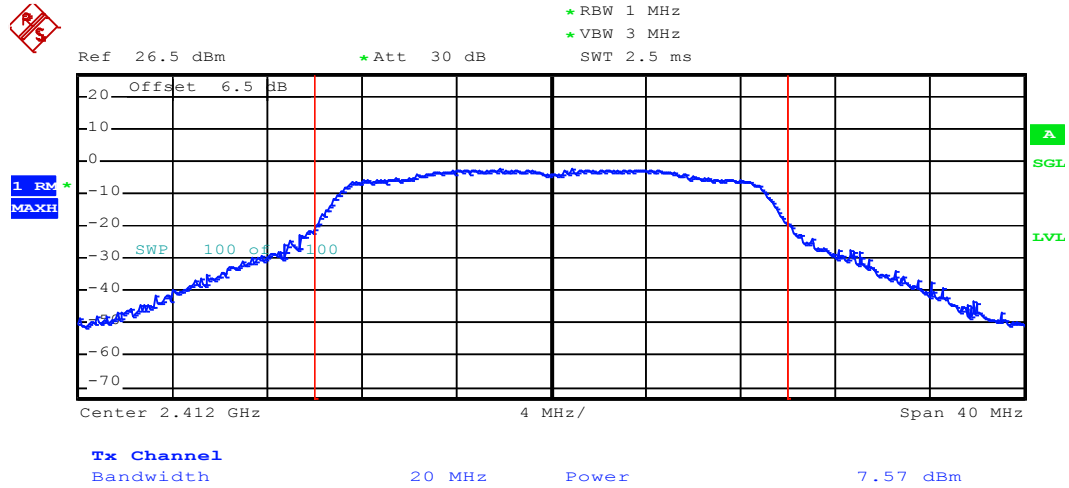


Middle channel

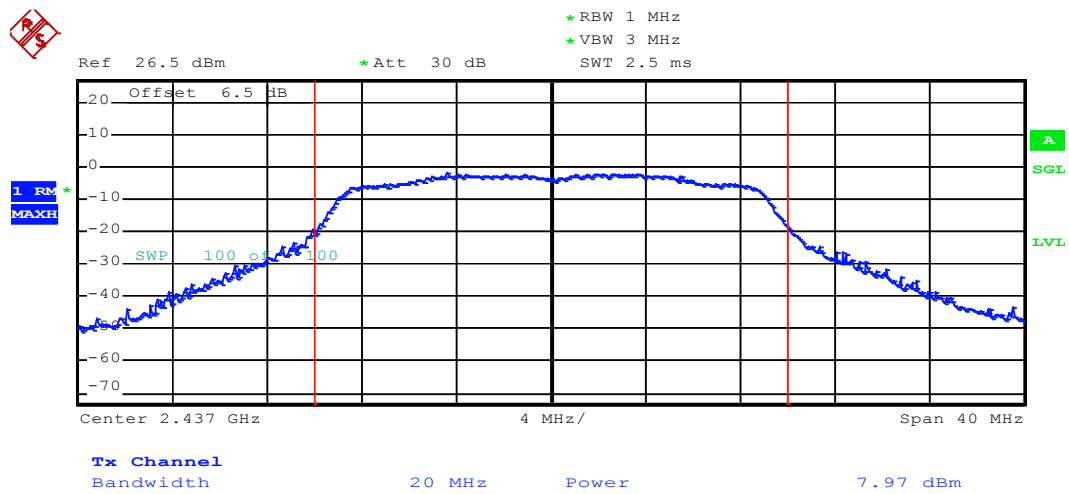


Highest channel

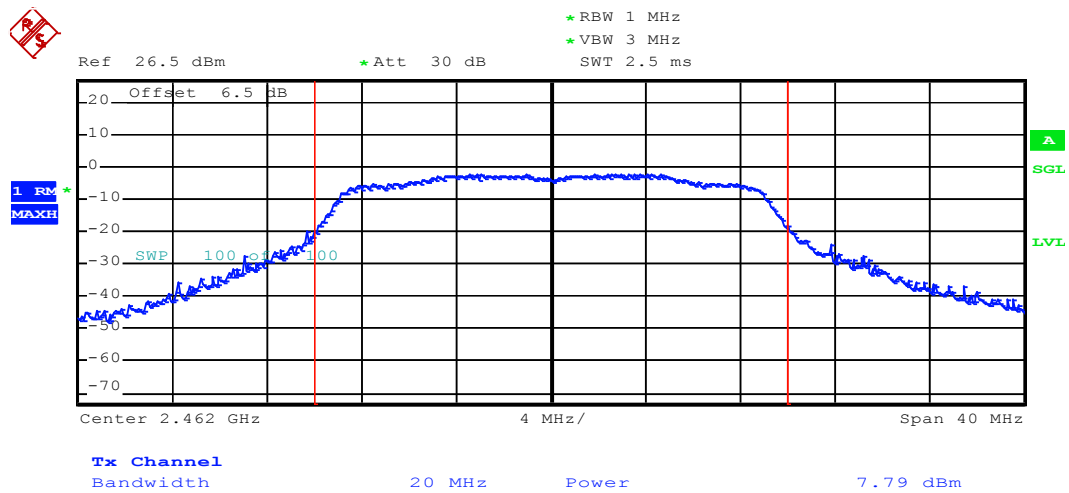
Test mode: 802.11n(H20)



Lowest channel

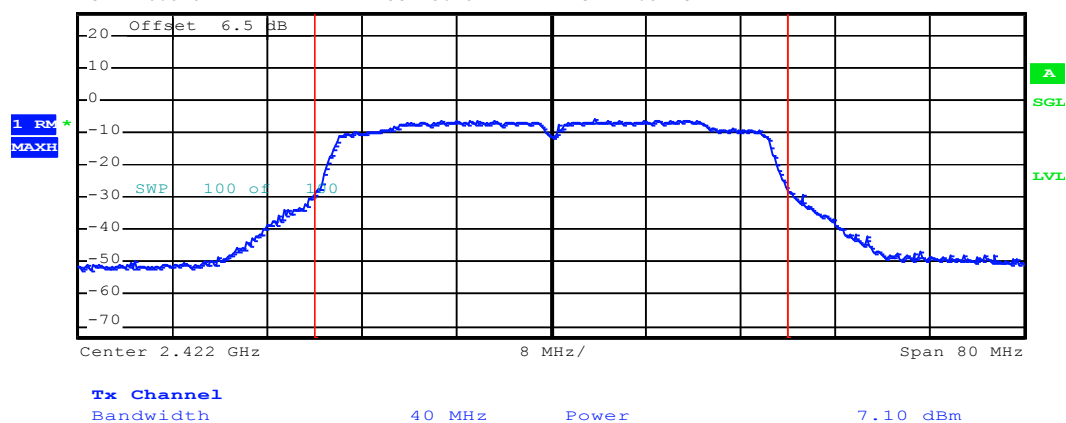


Middle channel

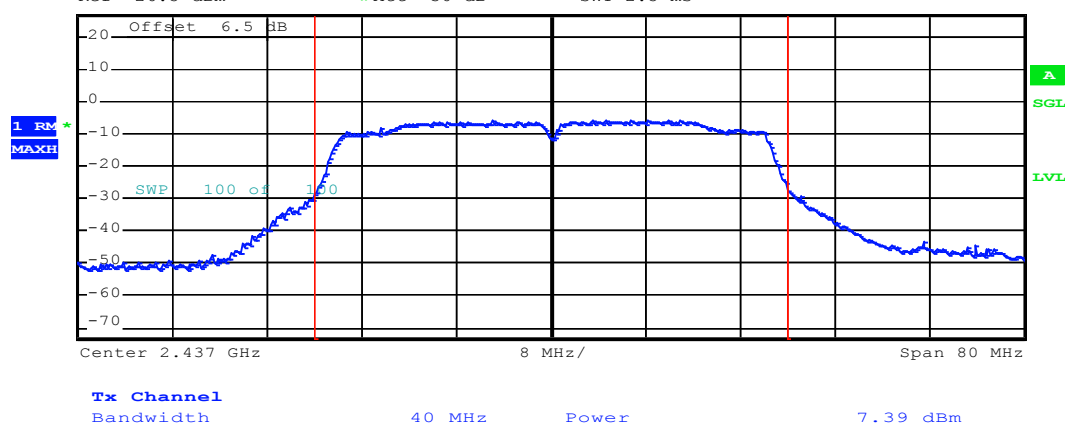


Highest channel

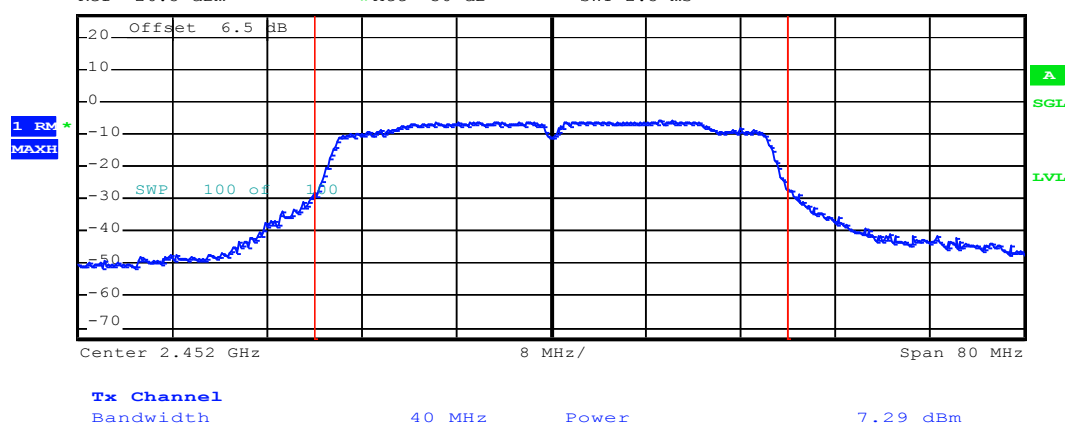
Test mode: 802.11n(H40)



Lowest channel

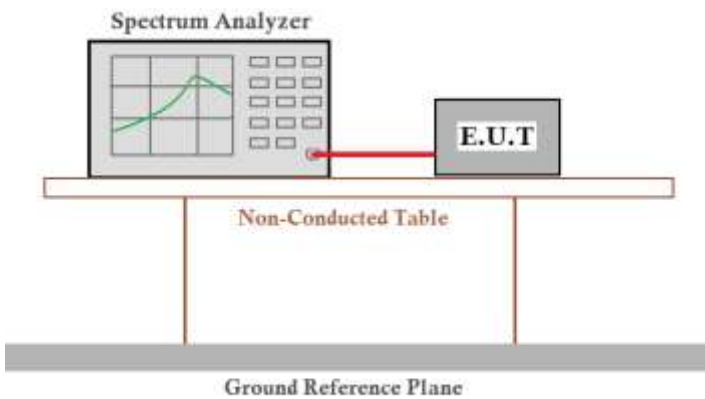


Middle channel



Highest channel

6.4 Occupy Bandwidth

| | |
|-------------------|--|
| Test Requirement: | FCC Part 15 C Section 15.247 (a)(2) |
| Test Method: | ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 8.1 |
| Limit: | >500kHz |
| Test setup: |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by two vertical legs. Below the table is a Ground Reference Plane.</p> |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

Measurement Data:
AUX Antenna Port:

| Test CH | 6dB Emission Bandwidth (MHz) | | | | Limit(kHz) | Result |
|---------|------------------------------|---------|--------------|--------------|------------|--------|
| | 802.11b | 802.11g | 802.11n(H20) | 802.11n(H40) | | |
| Lowest | 9.92 | 15.36 | 15.44 | 35.52 | >500 | Pass |
| Middle | 10.08 | 15.68 | 15.36 | 35.52 | | |
| Highest | 9.84 | 15.28 | 15.60 | 35.52 | | |
| Test CH | 99% Occupy Bandwidth (MHz) | | | | Limit(kHz) | Result |
| | 802.11b | 802.11g | 802.11n(H20) | 802.11n(H40) | | |
| Lowest | 12.72 | 16.48 | 17.60 | 36.00 | N/A | N/A |
| Middle | 12.64 | 16.48 | 17.60 | 36.16 | | |
| Highest | 12.64 | 16.48 | 17.68 | 36.16 | | |

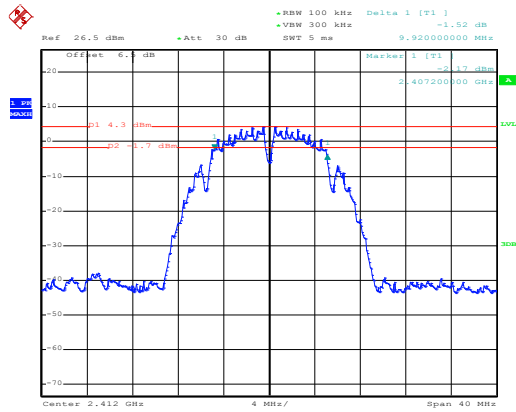
MAIN Antenna Port:

| Test CH | 6dB Emission Bandwidth (MHz) | | | | Limit(kHz) | Result |
|---------|------------------------------|---------|--------------|--------------|------------|--------|
| | 802.11b | 802.11g | 802.11n(H20) | 802.11n(H40) | | |
| Lowest | 10.16 | 15.20 | 15.28 | 35.52 | >500 | Pass |
| Middle | 9.44 | 15.36 | 15.36 | 35.52 | | |
| Highest | 10.16 | 15.28 | 15.76 | 35.44 | | |
| Test CH | 99% Occupy Bandwidth (MHz) | | | | Limit(kHz) | Result |
| | 802.11b | 802.11g | 802.11n(H20) | 802.11n(H40) | | |
| Lowest | 12.56 | 16.48 | 17.60 | 36.00 | N/A | N/A |
| Middle | 12.56 | 16.48 | 17.60 | 36.00 | | |
| Highest | 12.72 | 16.48 | 17.68 | 36.00 | | |

Test plot as follows:
AUX Antenna Port

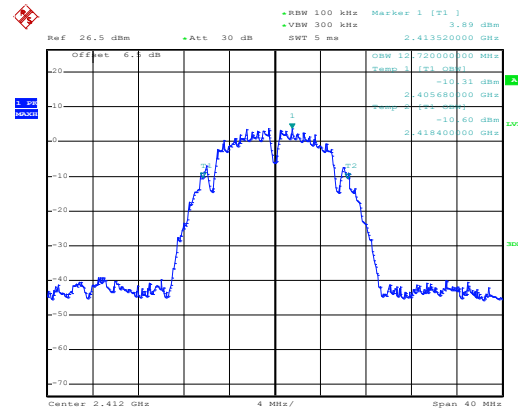
802.11b

6dB EBW



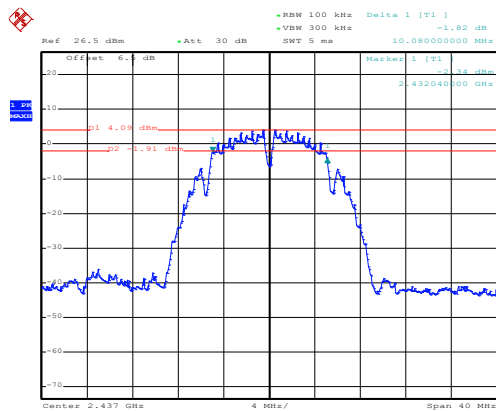
Date: 9.NOV.2017 19:50:56

99% OBW



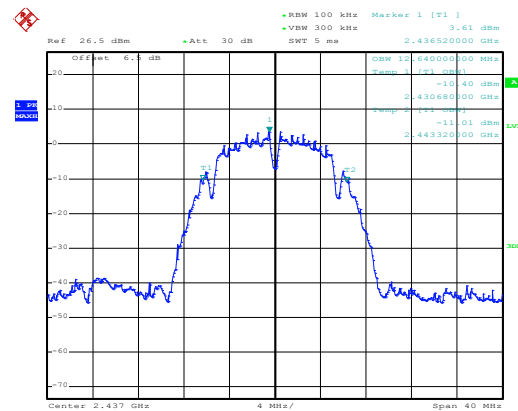
Date: 9.NOV.2017 19:51:07

Lowest channel



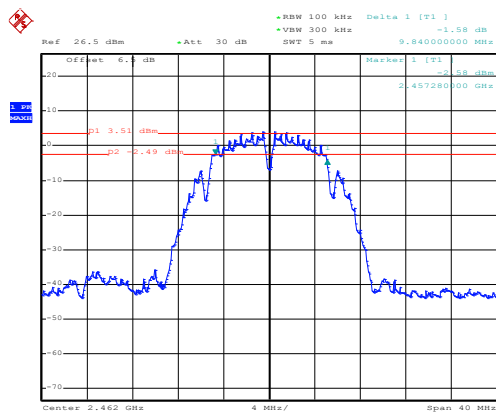
Date: 9.NOV.2017 19:49:00

Lowest channel



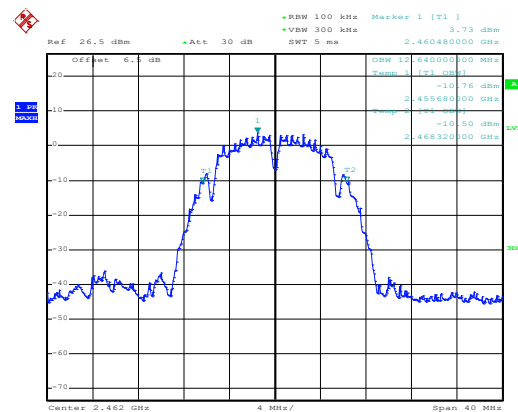
Date: 9.NOV.2017 19:52:29

Middle channel



Date: 9.NOV.2017 19:46:20

Middle channel

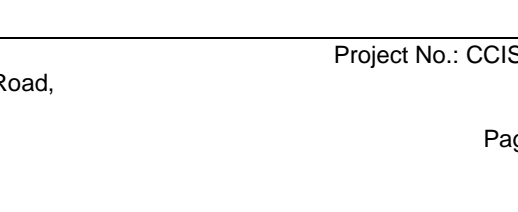


Date: 9.NOV.2017 19:52:46

Highest channel

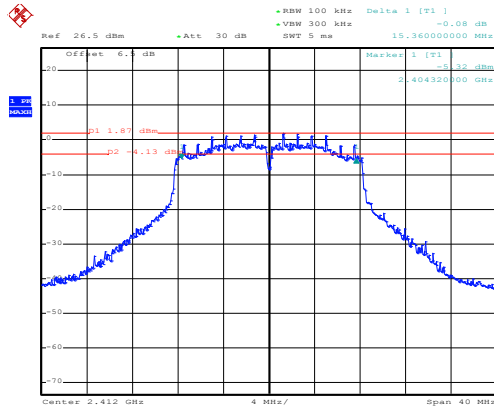


Highest channel



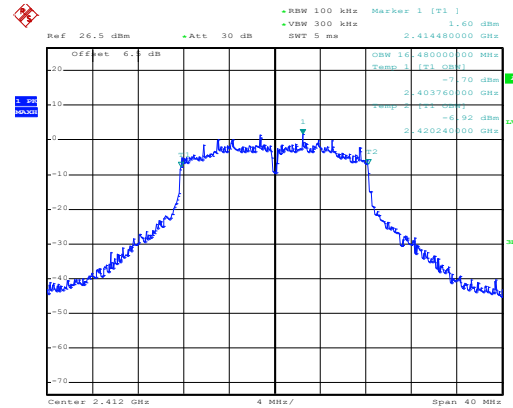
802.11g

6dB EBW



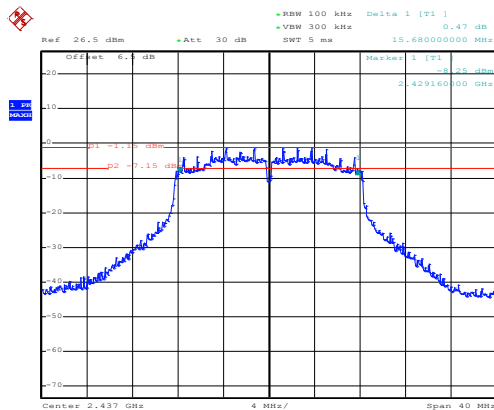
Date: 9.NOV.2017 19:44:42

99% OBW



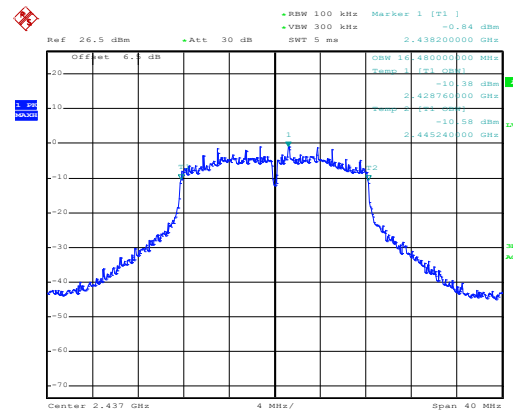
Date: 9.NOV.2017 19:51:21

Lowest channel



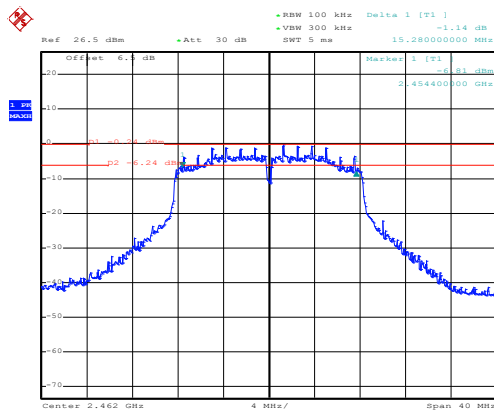
Date: 14.NOV.2017 17:48:05

Lowest channel



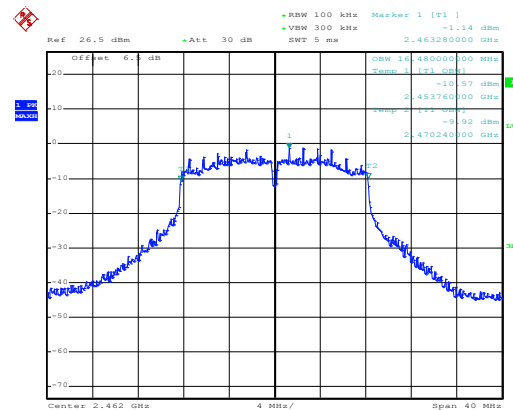
Date: 14.NOV.2017 17:43:12

Middle channel



Date: 9.NOV.2017 19:45:35

Middle channel

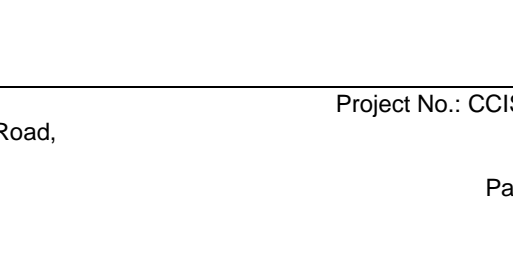


Date: 9.NOV.2017 19:53:06

Highest channel

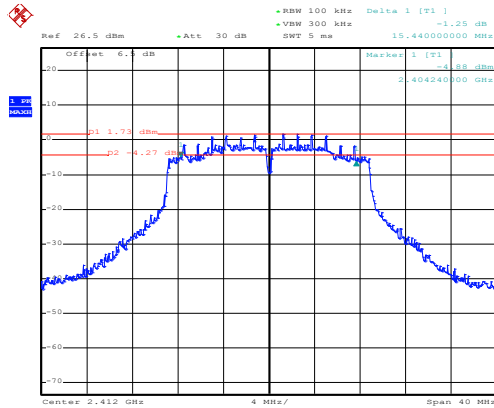


Highest channel



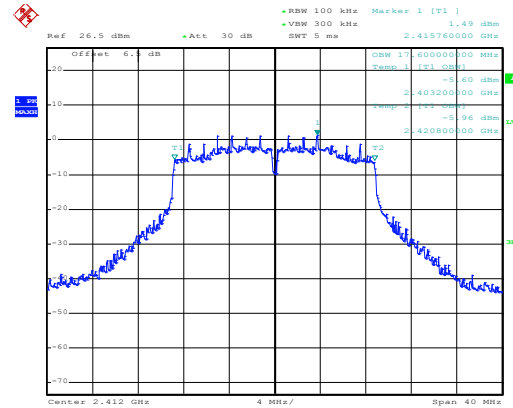
802.11n(H20)

6dB EBW



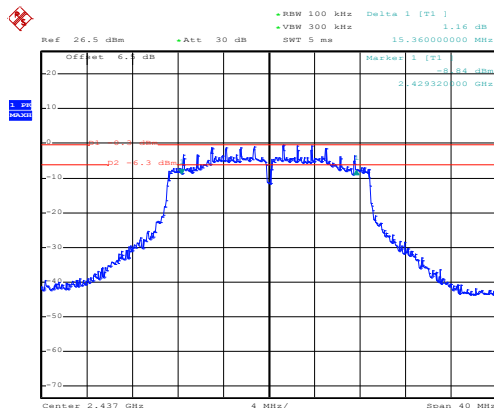
Date: 9.NOV.2017 19:39:49

99% OBW



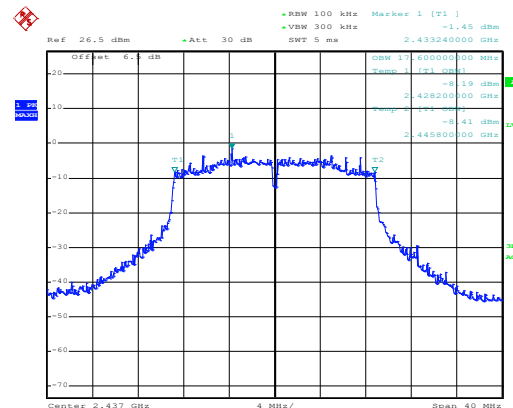
Date: 9.NOV.2017 19:51:44

Lowest channel



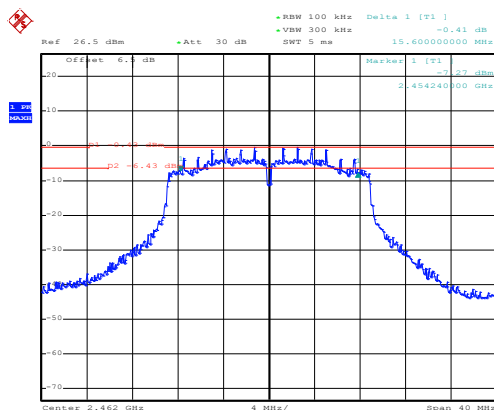
Date: 14.NOV.2017 17:47:25

Lowest channel



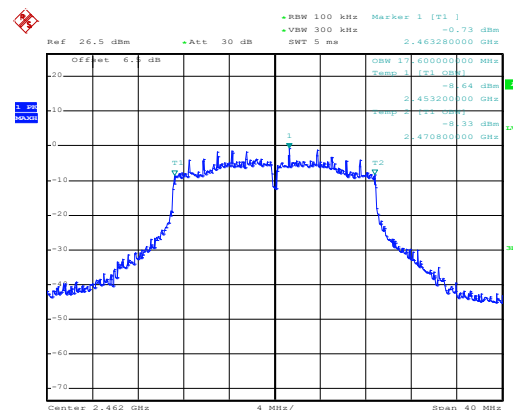
Date: 14.NOV.2017 17:43:23

Middle channel



Date: 9.NOV.2017 19:41:25

Middle channel

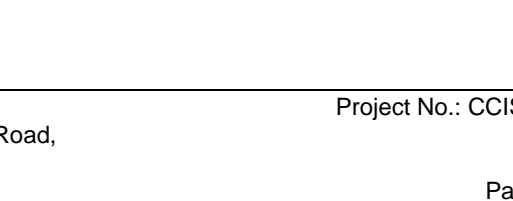


Date: 9.NOV.2017 19:53:22

Highest channel

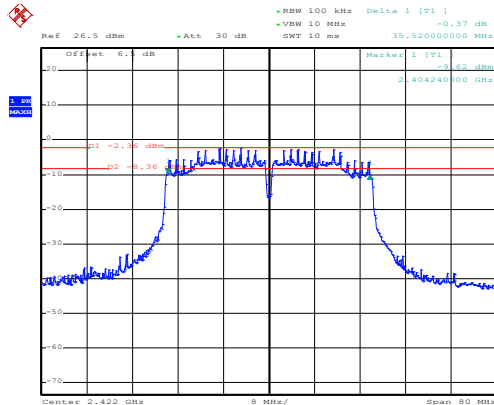


Highest channel



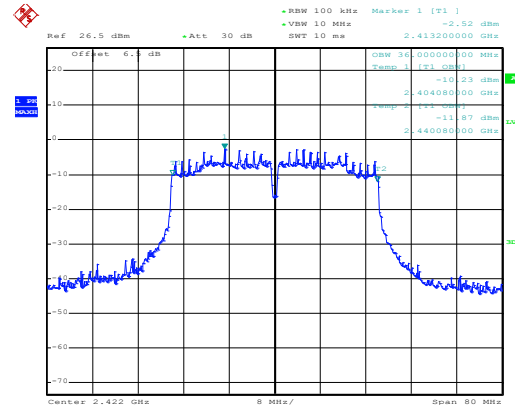
802.11n(H40)

6dB EBW



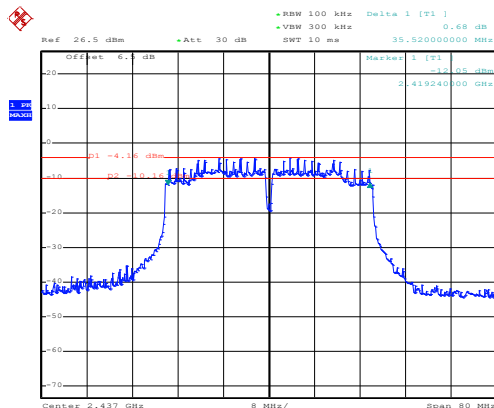
Date: 9.NOV.2017 19:34:12

99% OBW



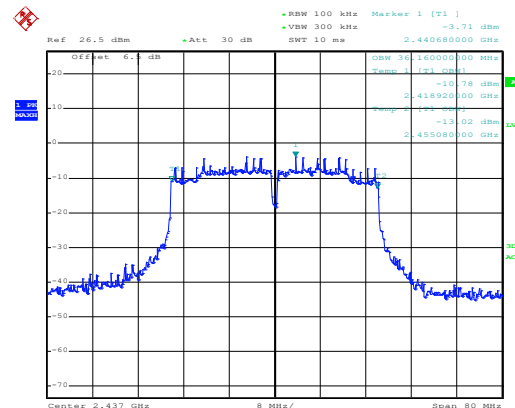
Date: 9.NOV.2017 19:33:24

Lowest channel



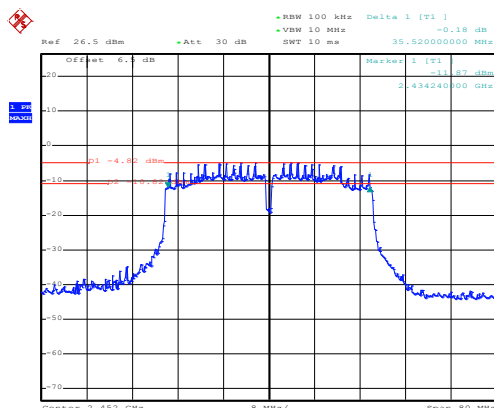
Date: 14.NOV.2017 17:44:25

Lowest channel



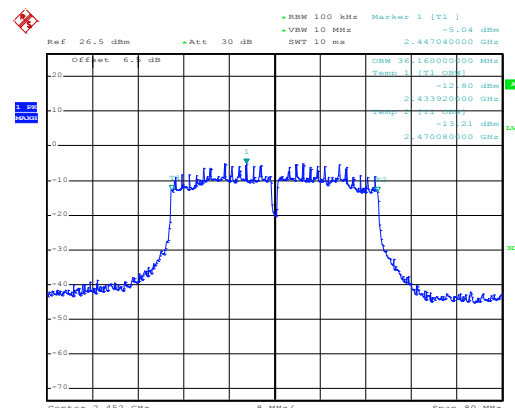
Date: 14.NOV.2017 17:43:39

Middle channel



Date: 9.NOV.2017 19:32:25

Middle channel



Date: 9.NOV.2017 19:31:36

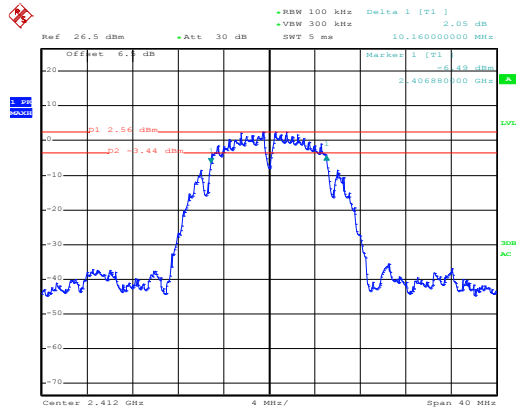
Highest channel

Highest channel

MAIN Antenna Port:

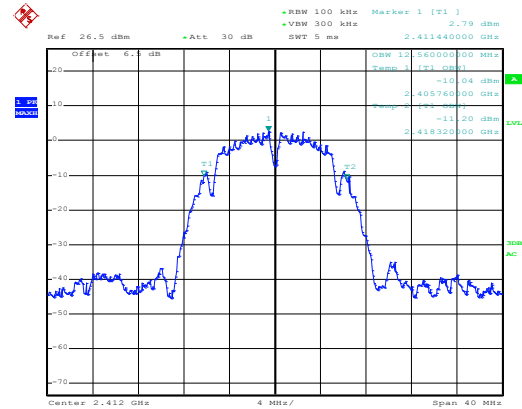
802.11b

6dB EBW



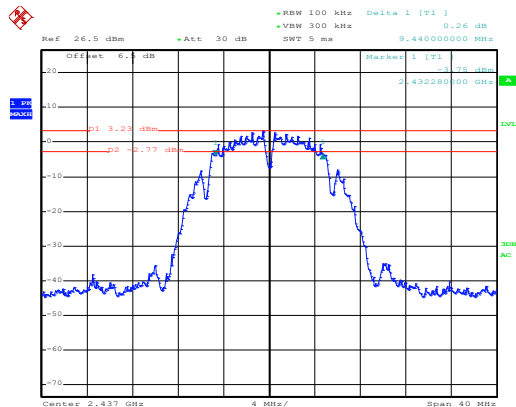
Date: 3.NOV.2017 17:59:57

99% OBW



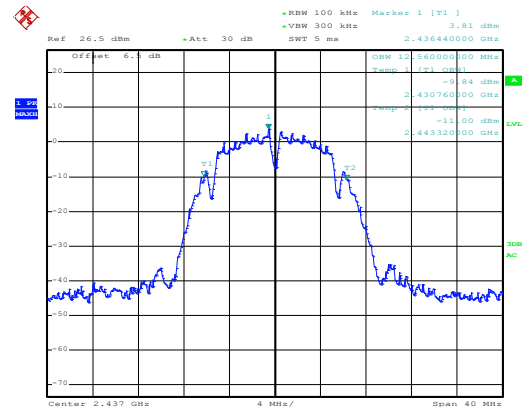
Date: 3.NOV.2017 17:57:25

Lowest channel



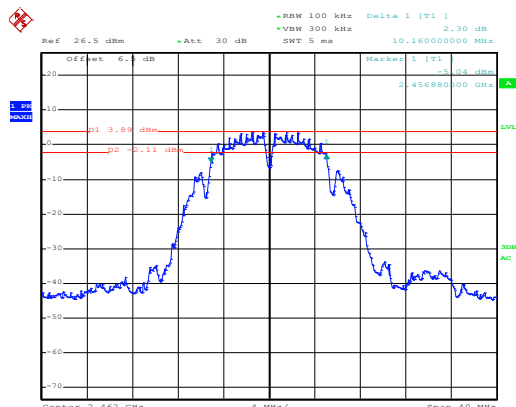
Date: 3.NOV.2017 17:59:19

Lowest channel



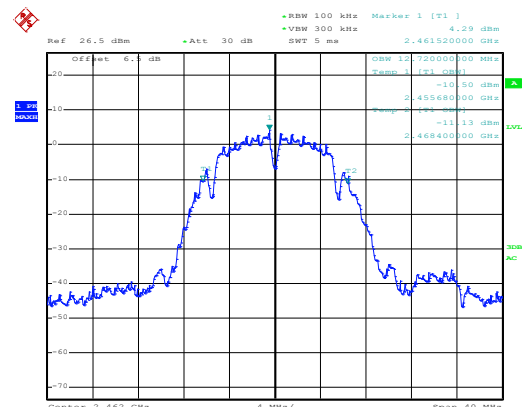
Date: 3.NOV.2017 17:57:43

Middle channel



Date: 3.NOV.2017 17:58:38

Middle channel

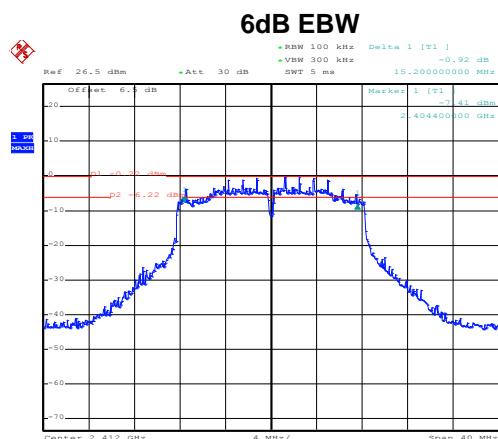


Date: 3.NOV.2017 17:57:59

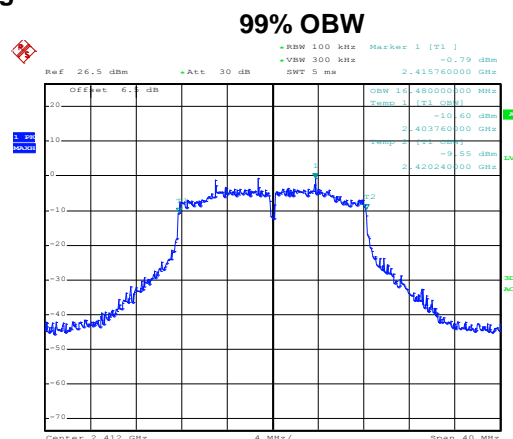
Highest channel

Highest channel

802.11g



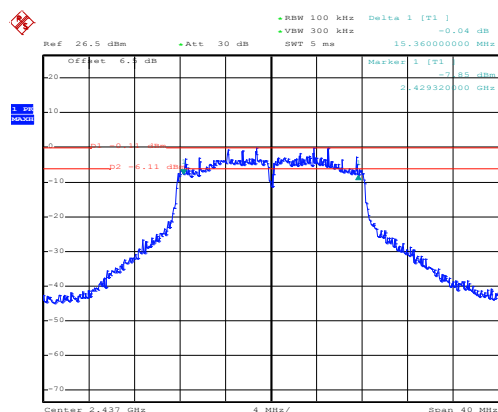
Date: 3.NOV.2017 18:00:32



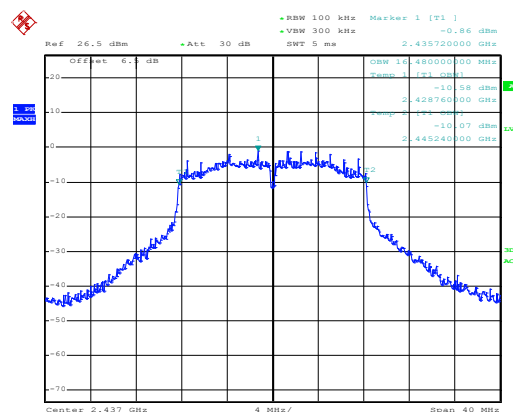
Date: 3.NOV.2017 17:57:13

Lowest channel

Lowest channel



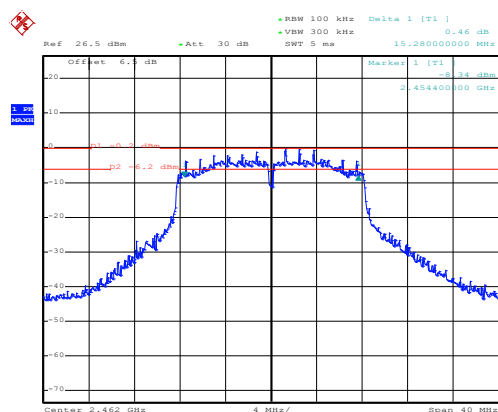
Date: 14.NOV.2017 17:28:34



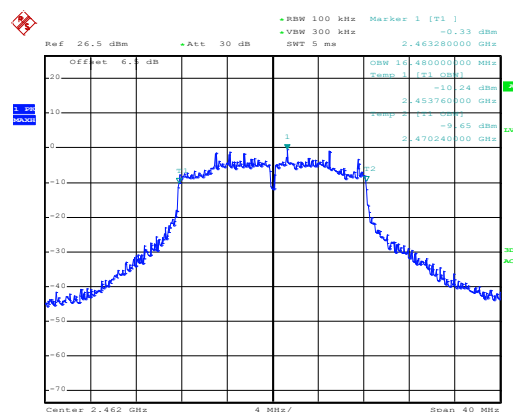
Date: 14.NOV.2017 17:28:48

Middle channel

Middle channel



Date: 3.NOV.2017 18:01:46



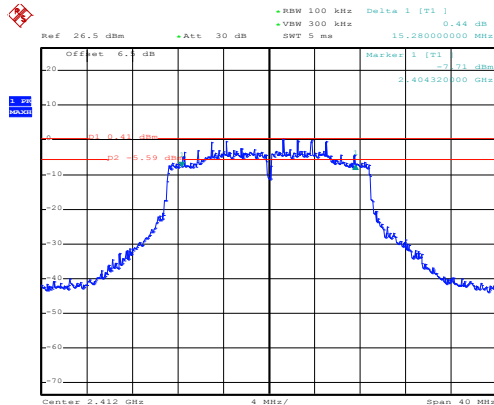
Date: 3.NOV.2017 17:56:49

Highest channel

Highest channel

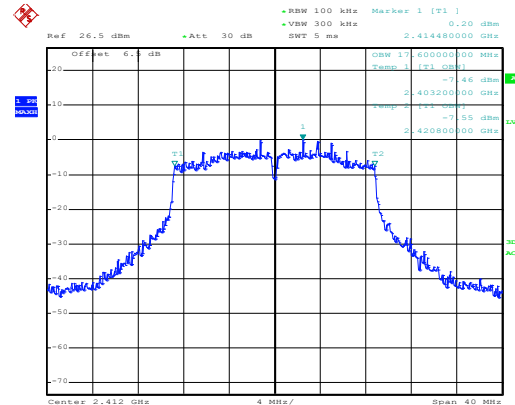
802.11n(H20)

6dB EBW



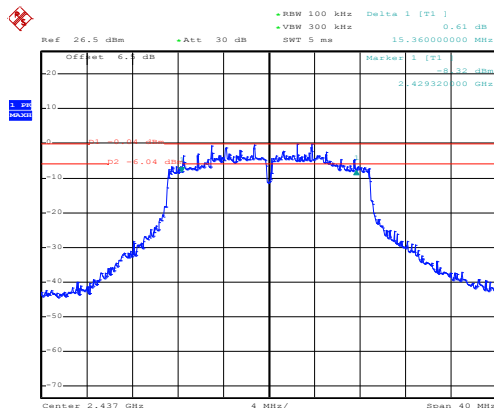
Date: 3.NOV.2017 18:03:41

99% OBW



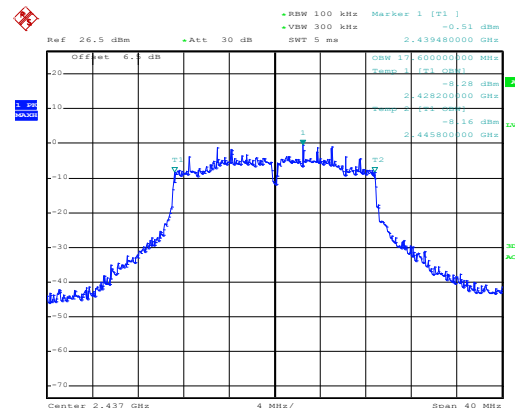
Date: 3.NOV.2017 17:56:08

Lowest channel



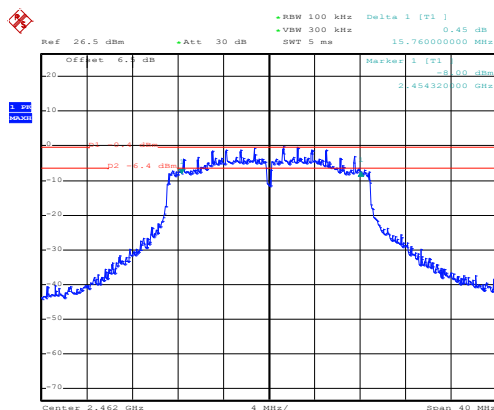
Date: 14.NOV.2017 17:27:56

Lowest channel



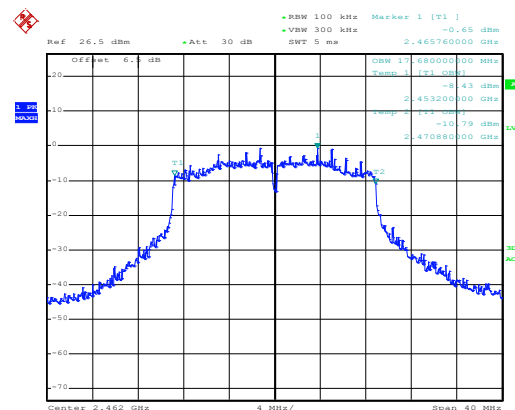
Date: 14.NOV.2017 17:29:00

Middle channel



Date: 3.NOV.2017 18:02:22

Middle channel



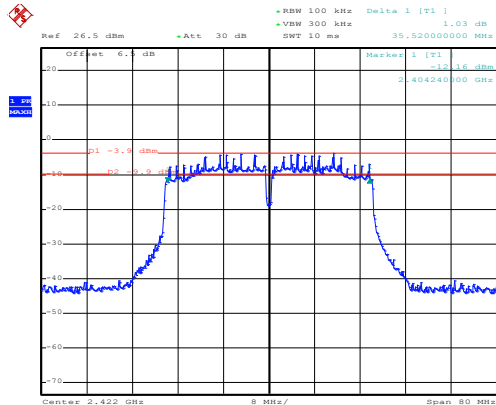
Date: 3.NOV.2017 17:56:33

Highest channel

Highest channel

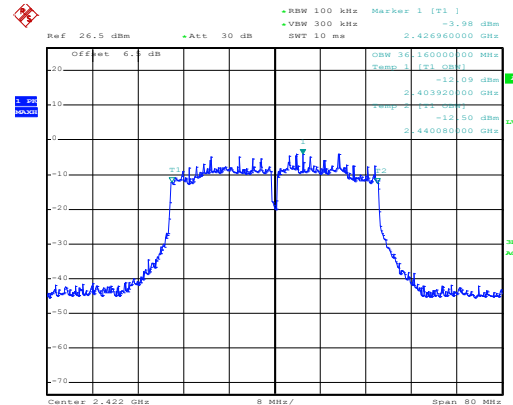
802.11n(H40)

6dB EBW



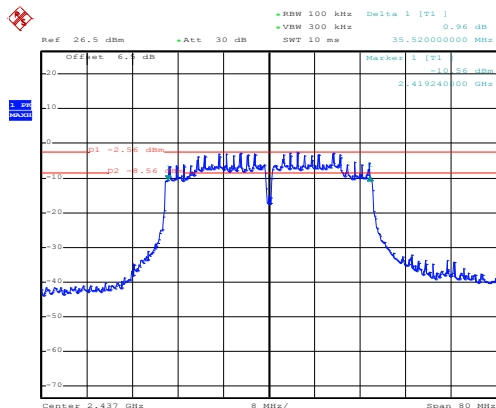
Date: 3.NOV.2017 18:04:56

99% OBW



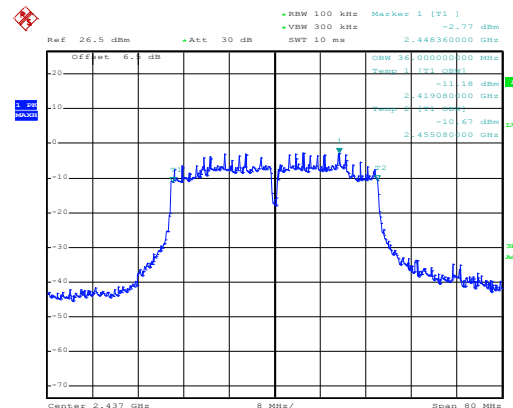
Date: 3.NOV.2017 17:55:54

Lowest channel



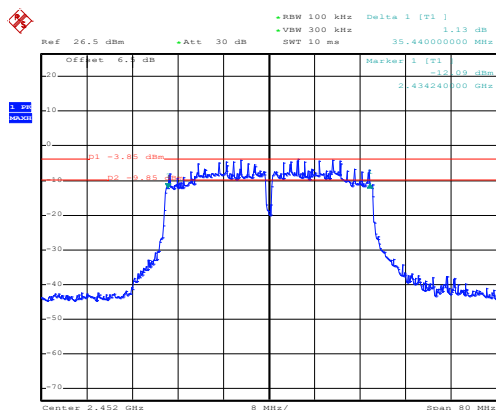
Date: 14.NOV.2017 17:27:20

Lowest channel



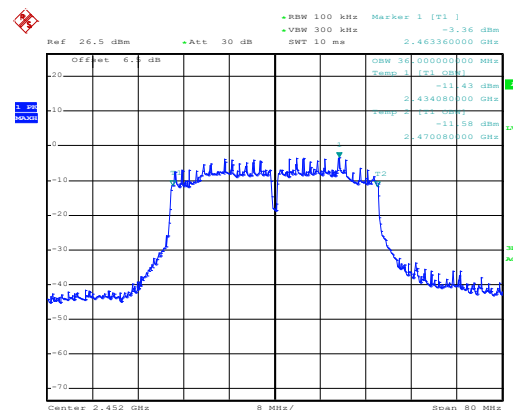
Date: 14.NOV.2017 17:26:13

Middle channel



Date: 3.NOV.2017 18:06:03

Middle channel

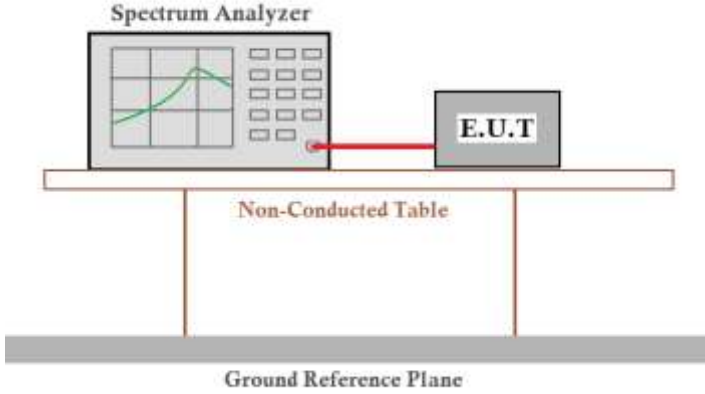


Date: 3.NOV.2017 17:55:27

Highest channel

Highest channel

6.5 Power Spectral Density

| | |
|-------------------|--|
| Test Requirement: | FCC Part 15 C Section 15.247 (e) |
| Test Method: | ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 10.2 |
| Limit: | 8dBm |
| Test setup: |  |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

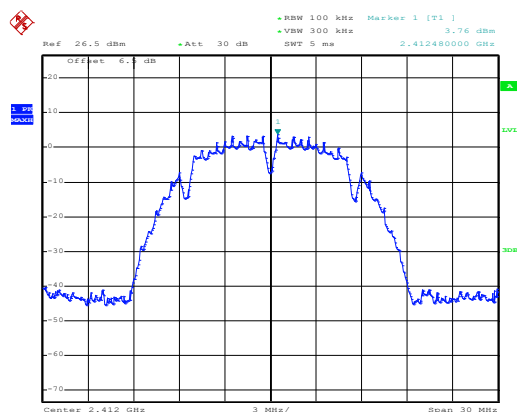
Measurement Data:

Measurement Data:

| Mode | Test CH | Ant. Port | PSD (dBm) | Total PSD (dBm) | Limit (dBm) | Result |
|-----------|---------|-----------|-----------|-----------------|-------------|--------|
| 802.11b | Lowest | AUX | 3.76 | / | 8.00 | Pass |
| | | MAIN | 2.78 | | | |
| | Middle | AUX | 3.62 | / | | |
| | | MAIN | 2.86 | | | |
| | Highest | AUX | 3.58 | / | | |
| | | MAIN | 3.71 | | | |
| 802.11g | Lowest | AUX | 0.87 | / | 8.00 | Pass |
| | | MAIN | 0.21 | | | |
| | Middle | AUX | -0.66 | / | | |
| | | MAIN | -0.16 | | | |
| | Highest | AUX | -0.94 | / | | |
| | | MAIN | -0.59 | | | |
| 802.11n20 | Lowest | AUX | 1.14 | 3.75 | 8.00 | Pass |
| | | MAIN | 0.29 | | | |
| | Middle | AUX | -0.36 | 2.47 | | |
| | | MAIN | -0.72 | | | |
| | Highest | AUX | -0.28 | 2.47 | | |
| | | MAIN | -0.81 | | | |
| 802.11n40 | Lowest | AUX | -2.87 | -0.15 | 8.00 | Pass |
| | | MAIN | -3.48 | | | |
| | Middle | AUX | -3.72 | -0.37 | | |
| | | MAIN | -3.06 | | | |
| | Highest | AUX | -4.82 | -1.40 | | |
| | | MAIN | -4.04 | | | |

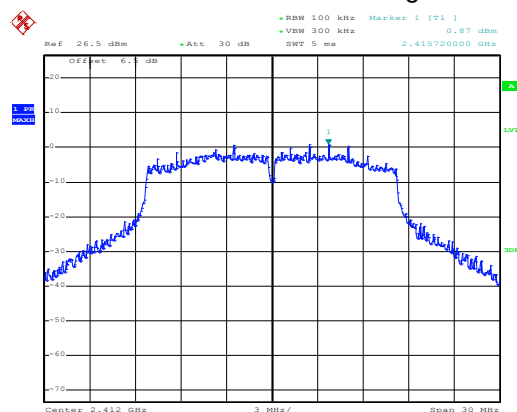
Test plot as follows:
AUX Antenna Port:

Test mode: 802.11b



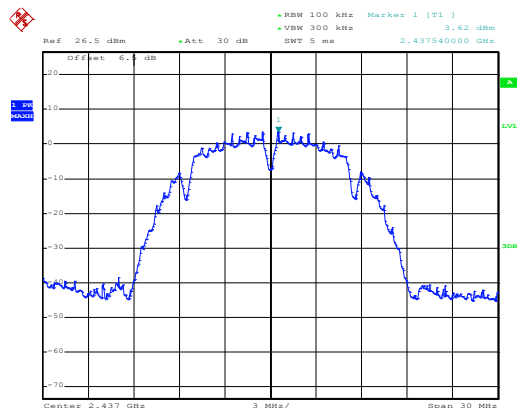
Date: 9.NOV.2017 20:04:45

Test mode: 802.11g



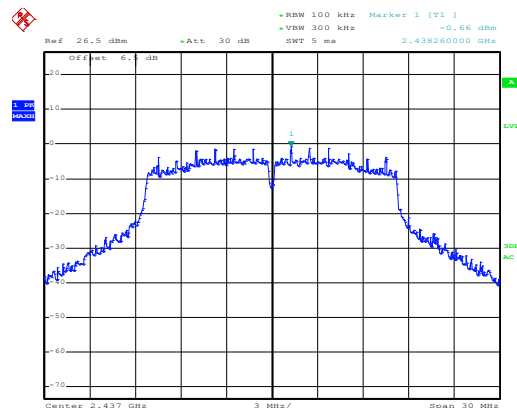
Date: 9.NOV.2017 20:04:29

Lowest channel



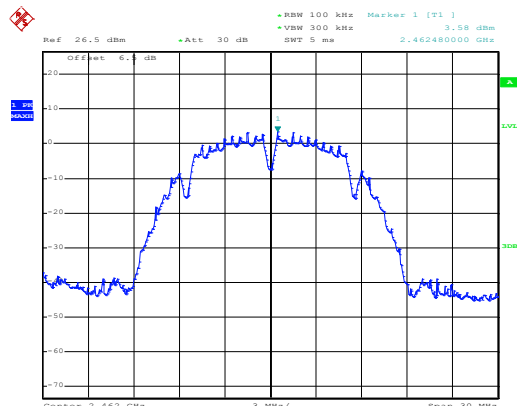
Date: 9.NOV.2017 20:02:55

Lowest channel



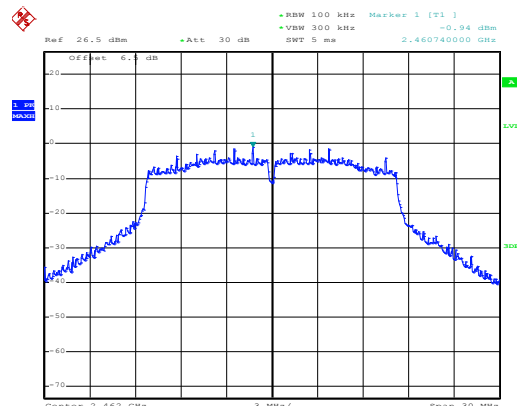
Date: 14.NOV.2017 17:42:59

Middle channel



Date: 9.NOV.2017 20:02:34

Middle channel

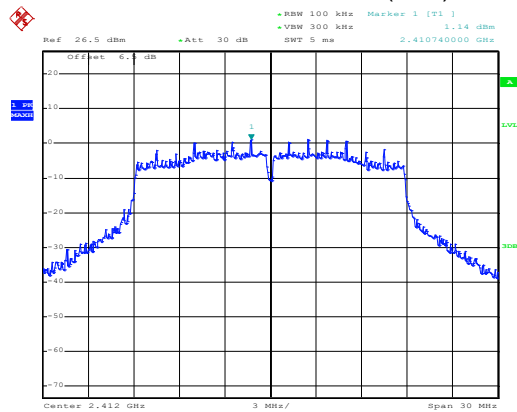


Date: 9.NOV.2017 20:02:10

Highest channel

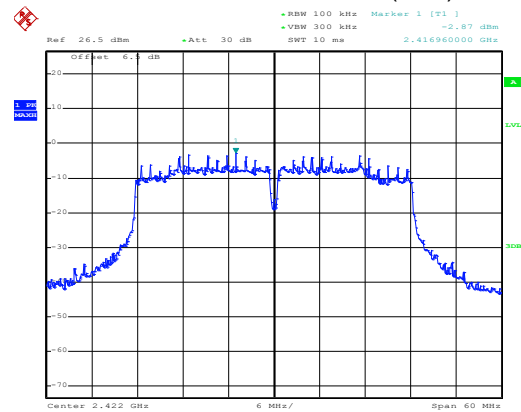
Highest channel

Test mode: 802.11n(H20)



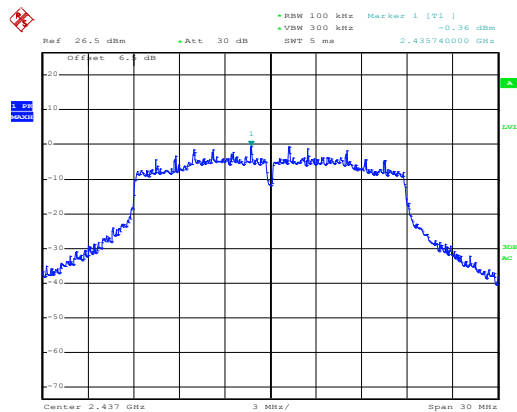
Date: 9.NOV.2017 20:04:07

Test mode: 802.11n(H40)



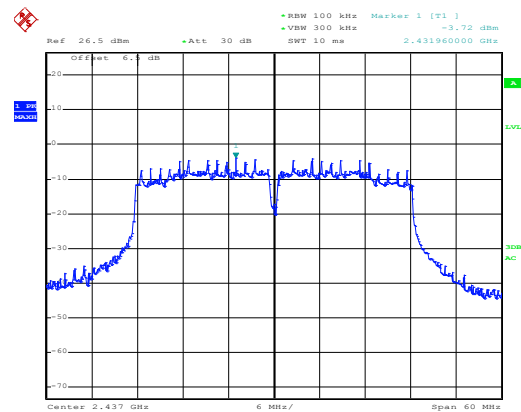
Date: 9.NOV.2017 20:05:24

Lowest channel



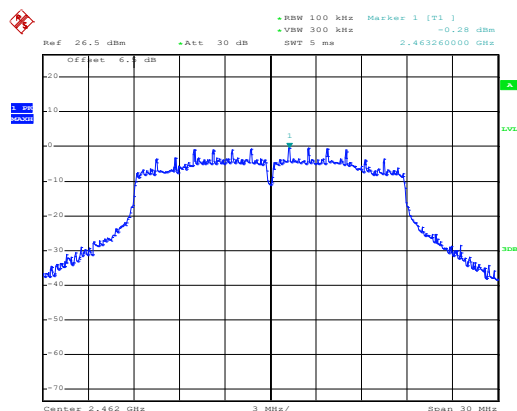
Date: 14.NOV.2017 17:42:40

Lowest channel



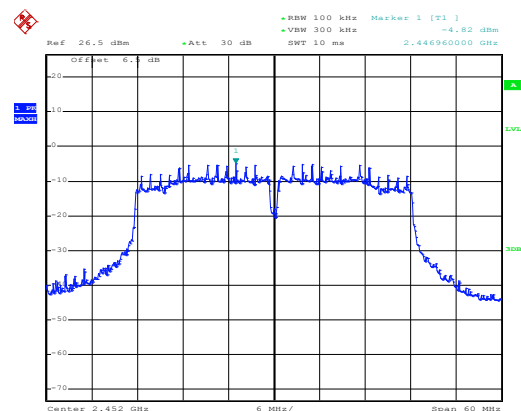
Date: 14.NOV.2017 17:42:17

Middle channel



Date: 9.NOV.2017 20:01:38

Middle channel



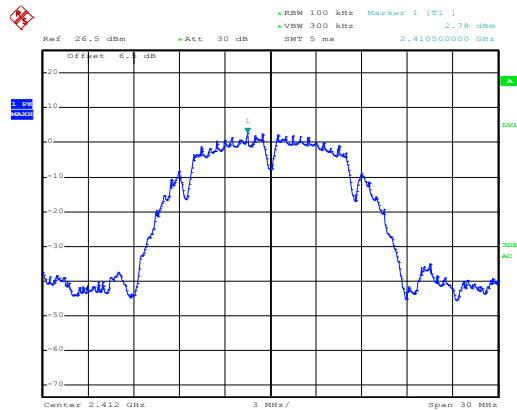
Date: 9.NOV.2017 20:06:10

Highest channel

Highest channel

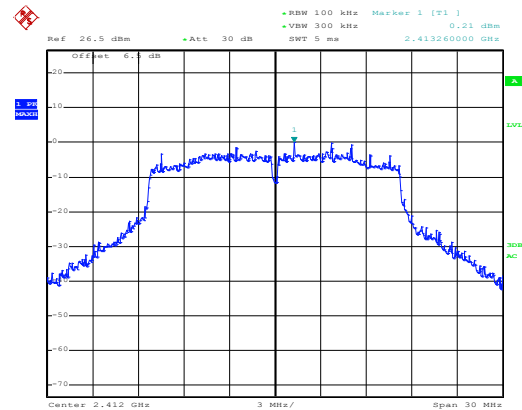
MAIN Antenna Port:

Test mode: 802.11b



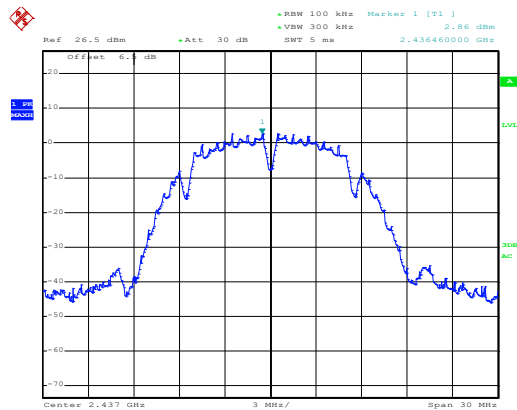
Date: 3.NOV.2017 18:09:21

Test mode: 802.11g



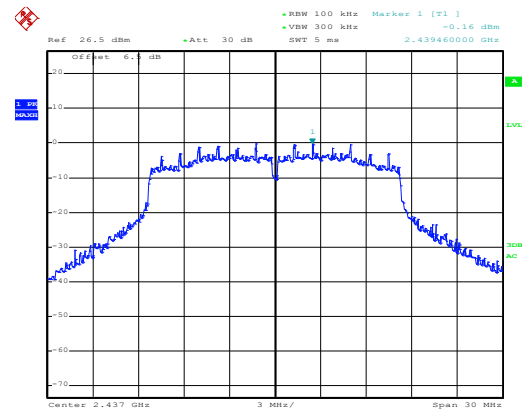
Date: 3.NOV.2017 18:09:08

Lowest channel



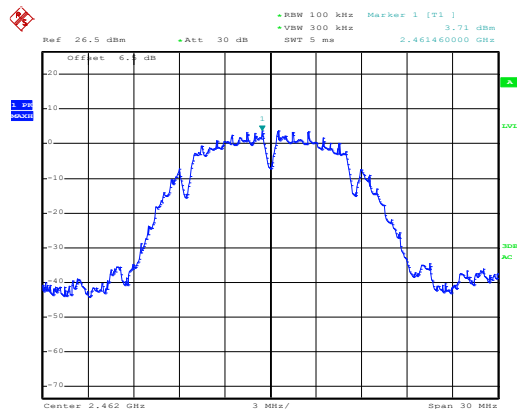
Date: 3.NOV.2017 18:09:32

Lowest channel



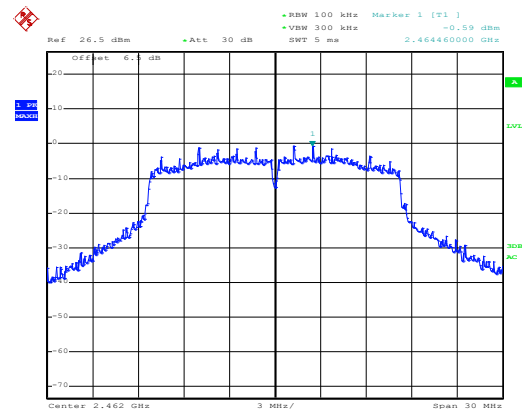
Date: 14.NOV.2017 17:29:41

Middle channel



Date: 3.NOV.2017 18:09:44

Middle channel

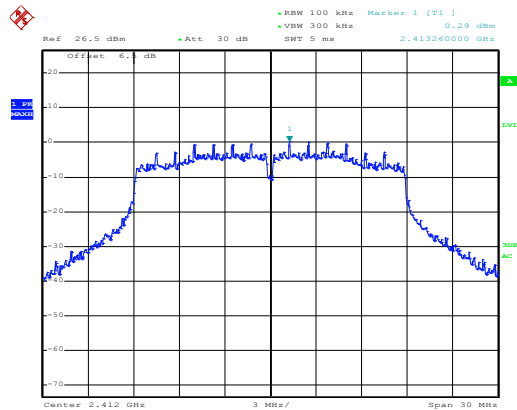


Date: 3.NOV.2017 18:08:42

Highest channel

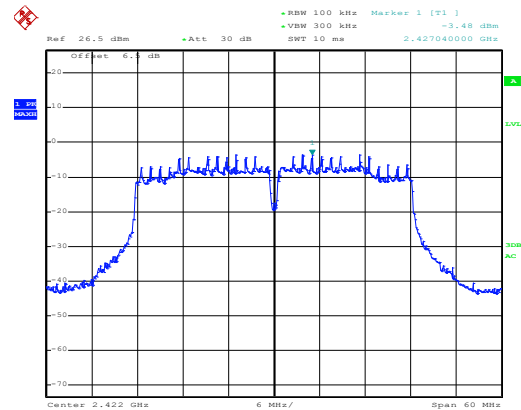
Highest channel

Test mode: 802.11n(H20)



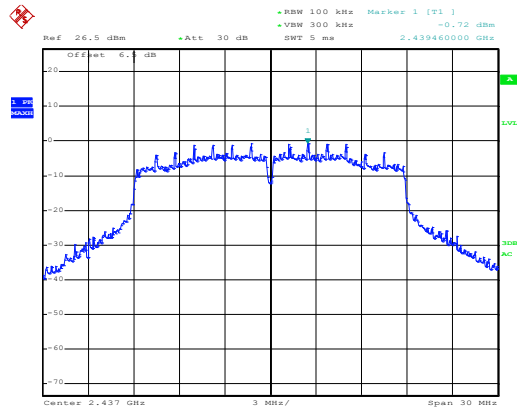
Date: 3.NOV.2017 18:08:01

Test mode: 802.11n(H40)



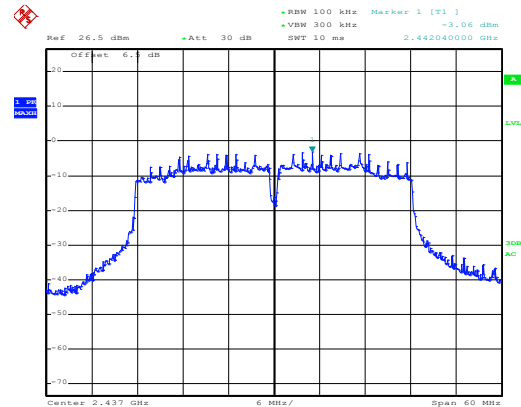
Date: 3.NOV.2017 18:06:59

Lowest channel



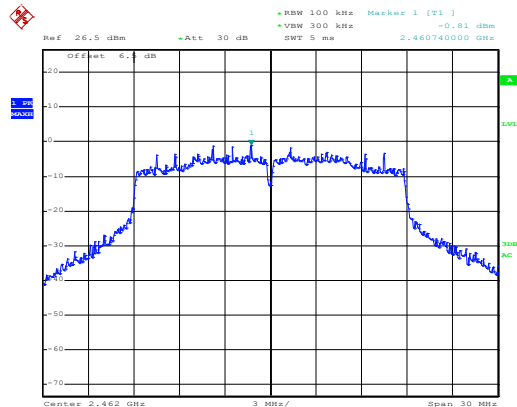
Date: 14.NOV.2017 17:29:25

Lowest channel



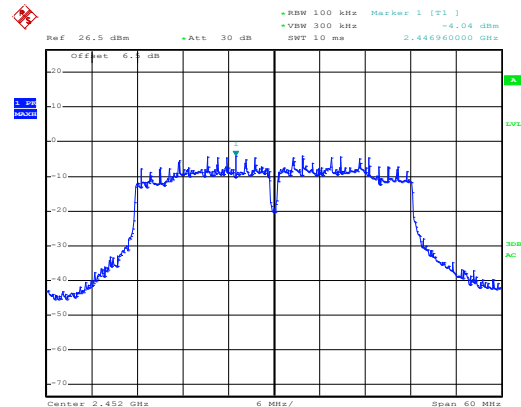
Date: 14.NOV.2017 17:29:58

Middle channel



Date: 3.NOV.2017 18:08:27

Middle channel



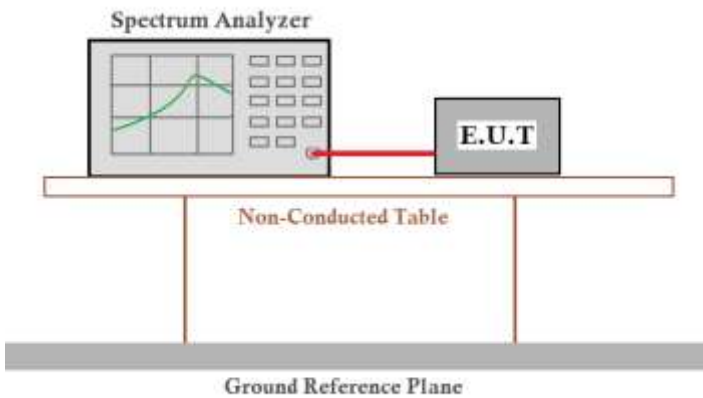
Date: 3.NOV.2017 18:07:32

Highest channel

Highest channel

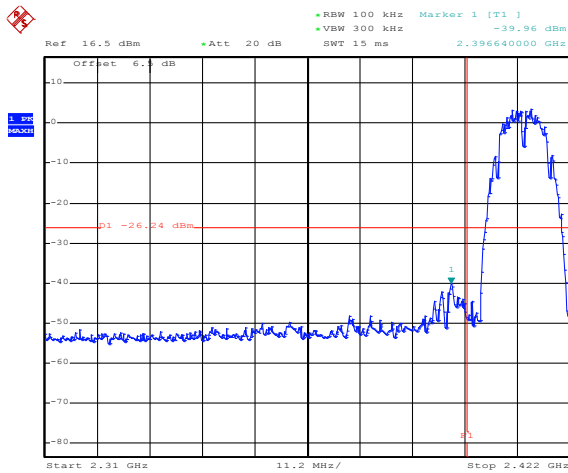
6.6 Band Edge

6.6.1 Conducted Emission Method

| | |
|-------------------|---|
| Test Requirement: | FCC Part 15 C Section 15.247 (d) |
| Test Method: | ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 13 |
| Limit: | 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 30 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 setup: |  <p>The diagram illustrates the test setup for conducted emission measurement. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table, which is supported by two vertical legs. Below the table is a Ground Reference Plane.</p> |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

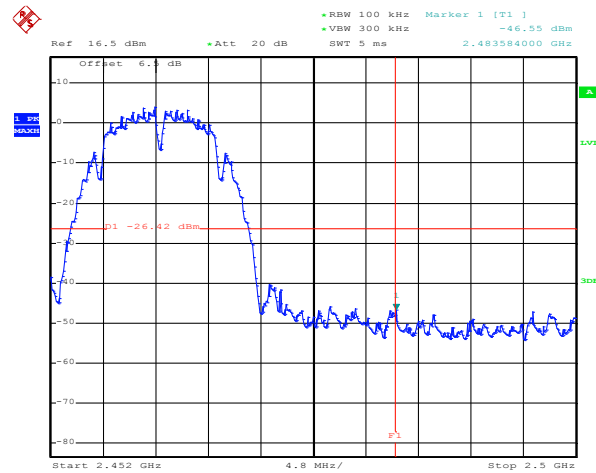
Test plot as follows:
AUX Antenna Port:

802.11b



Date: 9.NOV.2017 20:16:50

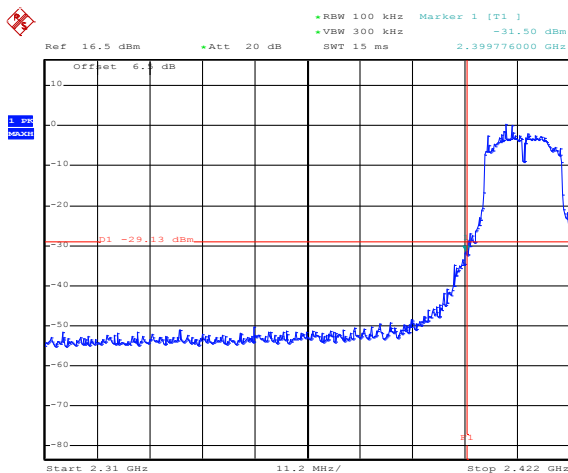
Lowest channel



Date: 9.NOV.2017 20:17:39

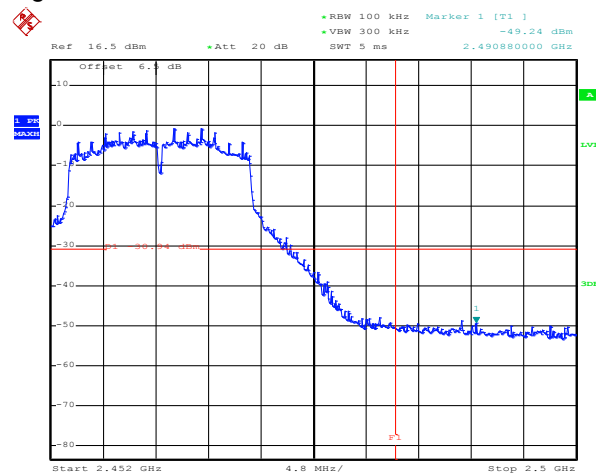
Highest channel

802.11g



Date: 9.NOV.2017 20:16:30

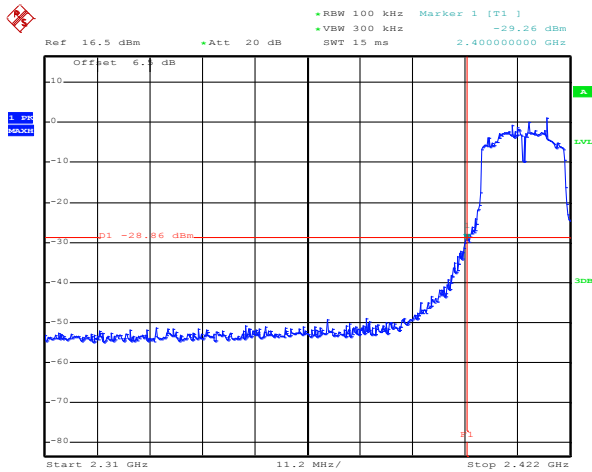
Lowest channel



Date: 9.NOV.2017 20:18:10

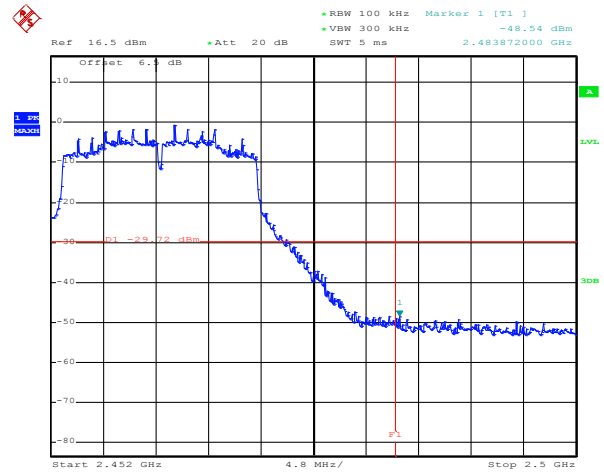
Highest channel

802.11n(H20)



Date: 9.NOV.2017 20:16:02

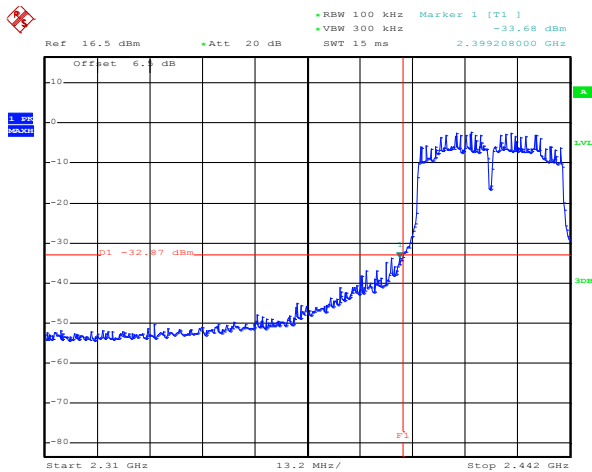
Lowest channel



Date: 9.NOV.2017 20:18:31

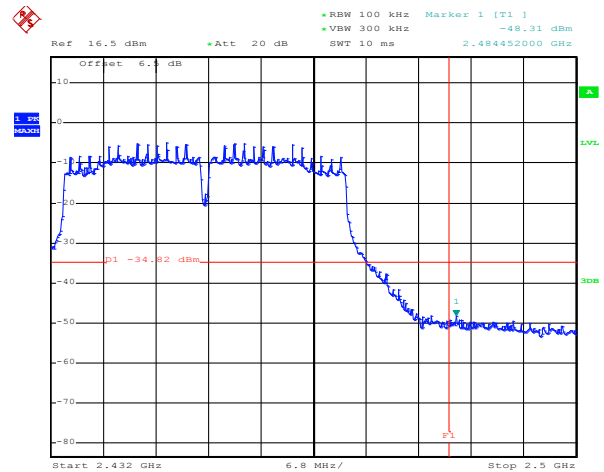
Highest channel

802.11n(H40)



Date: 9.NOV.2017 20:15:21

Lowest channel

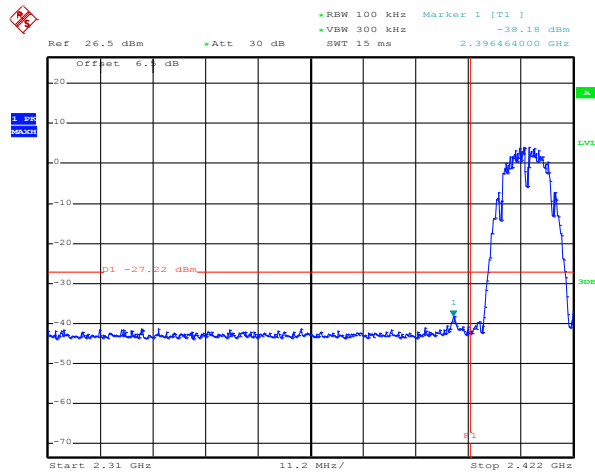


Date: 9.NOV.2017 20:14:48

Highest channel

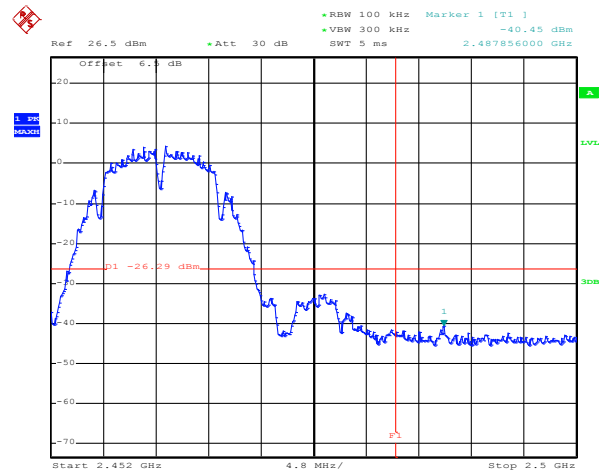
MAIN Antenna Port:

802.11b



Date: 9.NOV.2017 17:56:25

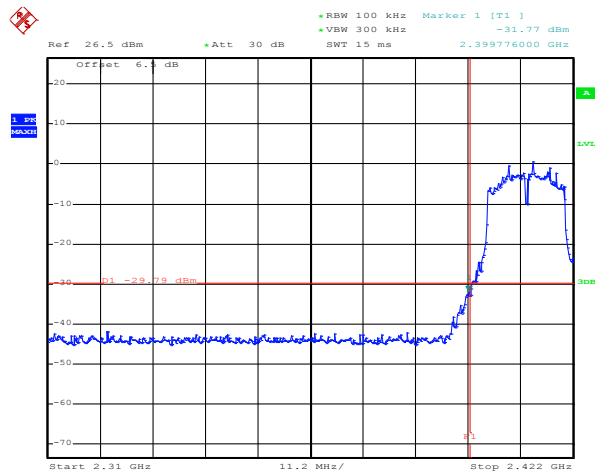
Lowest channel



Date: 9.NOV.2017 18:00:12

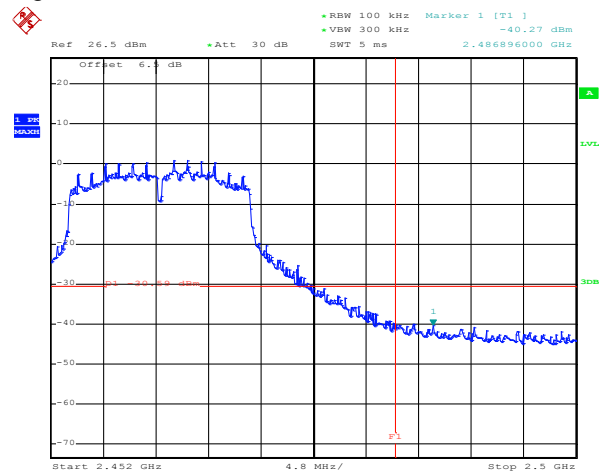
Highest channel

802.11g



Date: 9.NOV.2017 17:57:08

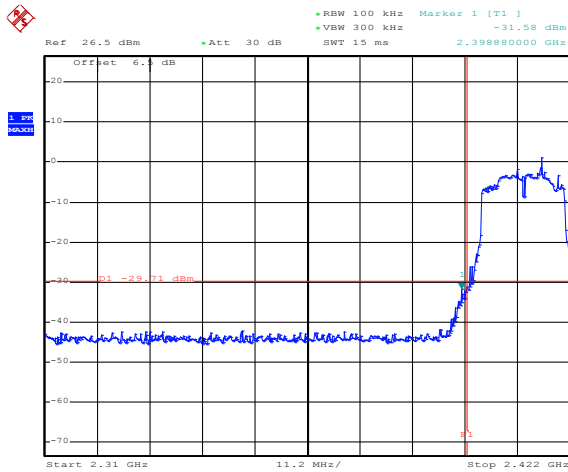
Lowest channel



Date: 9.NOV.2017 17:59:49

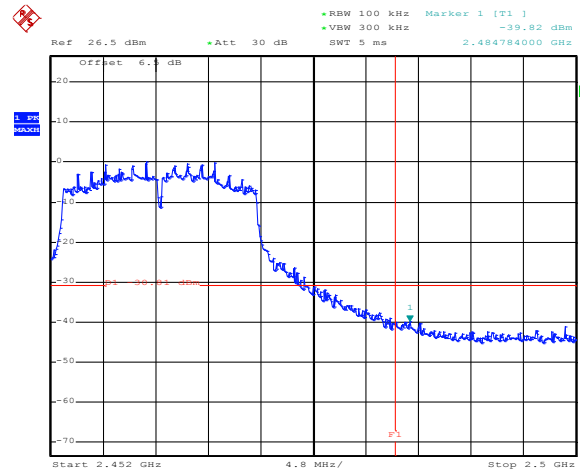
Highest channel

802.11n(H20)



Date: 9.NOV.2017 17:57:44

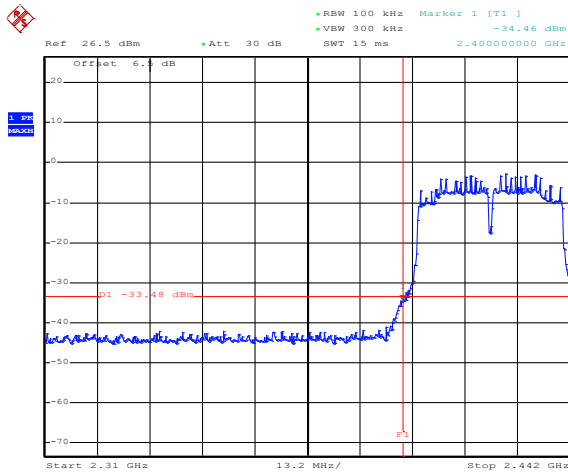
Lowest channel



Date: 9.NOV.2017 17:59:21

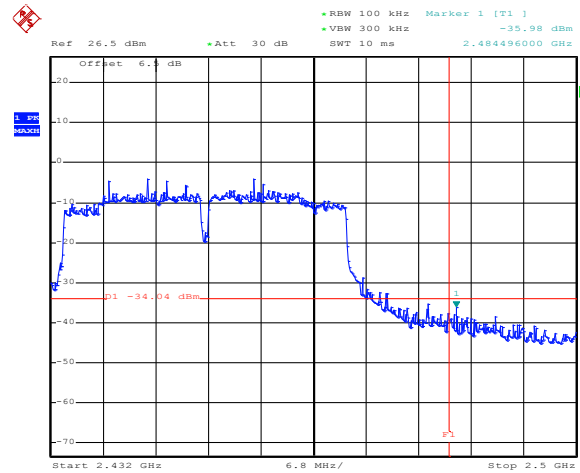
Highest channel

802.11n(H40)



Date: 9.NOV.2017 17:58:19

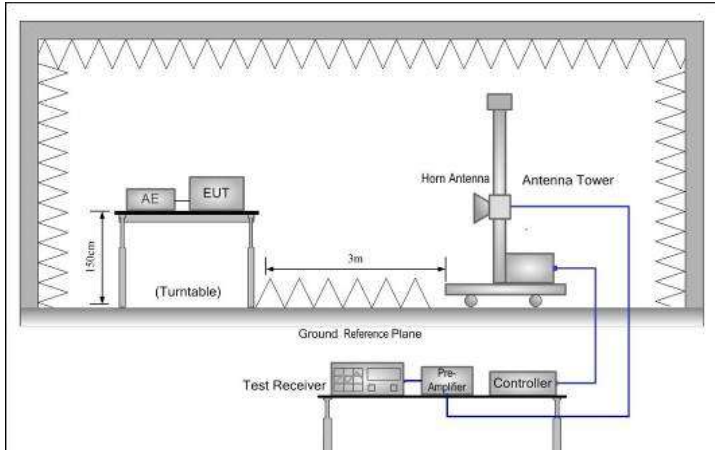
Lowest channel



Date: 9.NOV.2017 17:58:57

Highest channel

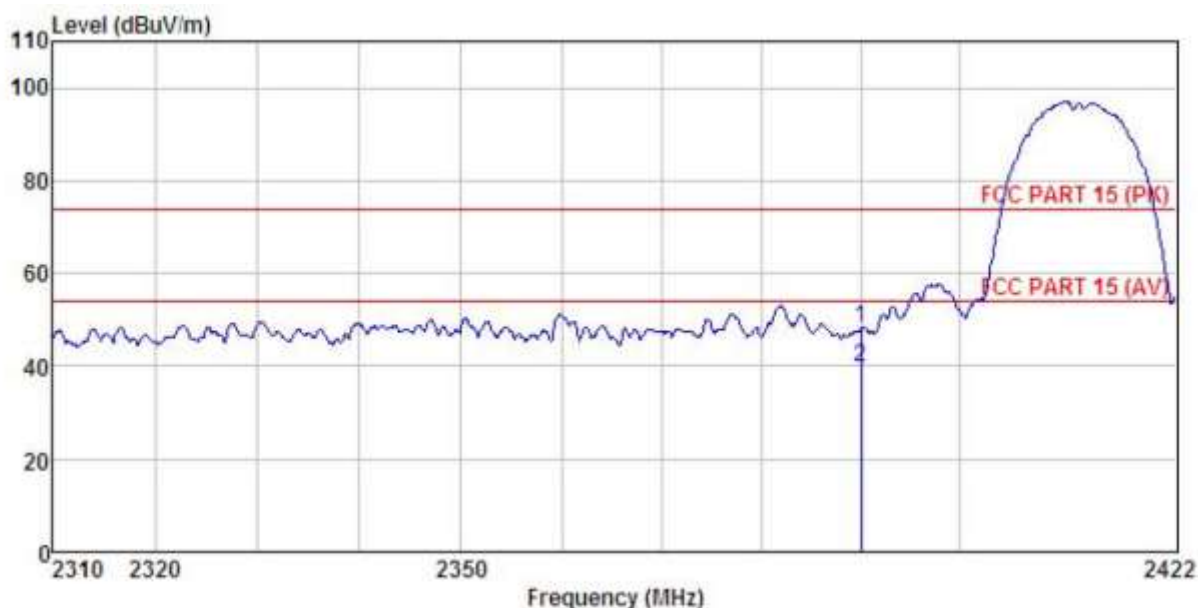
6.6.2 Radiated Emission Method

| | | | | | |
|-----------------------|--|--------------------|--------------|-----------------------------|-----------------------------|
| Test Requirement: | FCC Part 15 C Section 15.209 and 15.205 | | | | |
| Test Method: | ANSI C63.10: 2013 and KDB558074 D01 DTS Meas Guidance v04 section 12.1 | | | | |
| Test Frequency Range: | 2.3GHz to 2.5GHz | | | | |
| Test Distance: | 3m | | | | |
| Receiver setup: | Frequency | Detector | RBW | VBW | Remark |
| | Above 1GHz | Peak RMS | 1MHz 1MHz | 3MHz 3MHz | Peak Value Average Value |
| Limit: | Frequency | Limit (dBuV/m @3m) | | Remark | |
| | Above 1GHz | 54.00 74.00 | | Average Value Peak Value | |
| Test Procedure: | <div>1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</div> <div>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</div> <div>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</div> <div>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</div> <div>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</div> <div>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</div> | | | | |
| Test setup: | <div></div> | | | | |
| Test Instruments: | Refer to section 5.8 for details | | | | |
| Test mode: | Refer to section 5.3 for details | | | | |
| Test results: | Passed | | | | |

AUX Antenna of 802.11b

Test channel: Lowest

Horizontal:



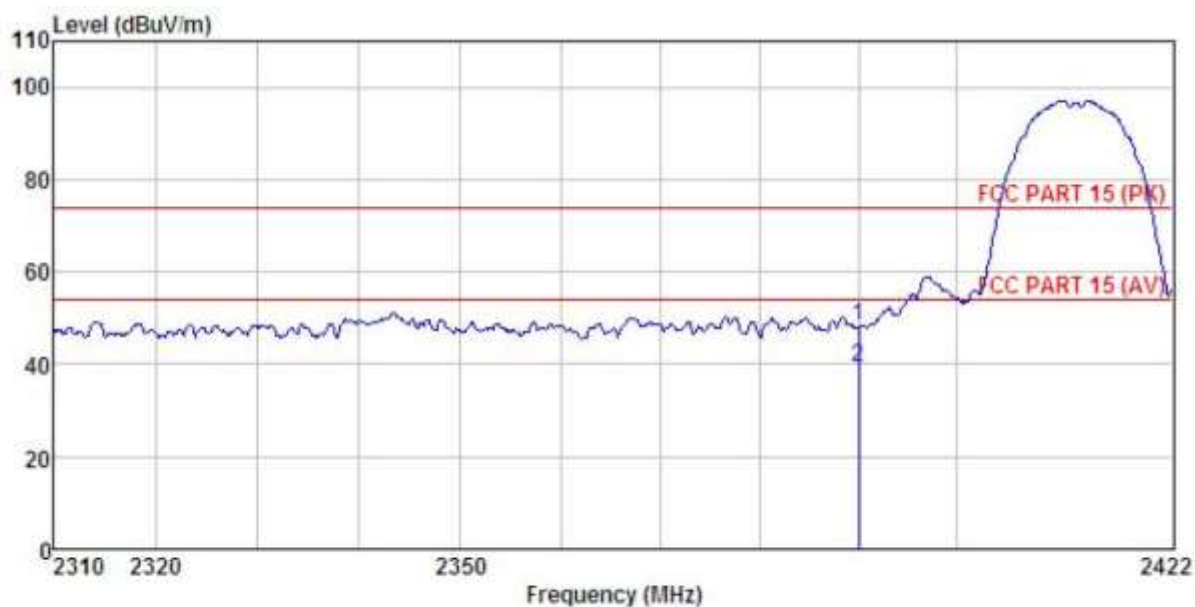
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11B-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Freq | Read | Antenna | Cable | Preamp | Limit | Over | |
|---|----------|-------|---------|-------|--------|--------|--------|----------------|
| | MHz | Level | Factor | Loss | Factor | Line | Limit | Remark |
| | | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 | 2390.000 | 17.99 | 25.45 | 4.69 | 0.00 | 48.13 | 74.00 | -25.87 Peak |
| 2 | 2390.000 | 9.74 | 25.45 | 4.69 | 0.00 | 39.88 | 54.00 | -14.12 Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11B-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

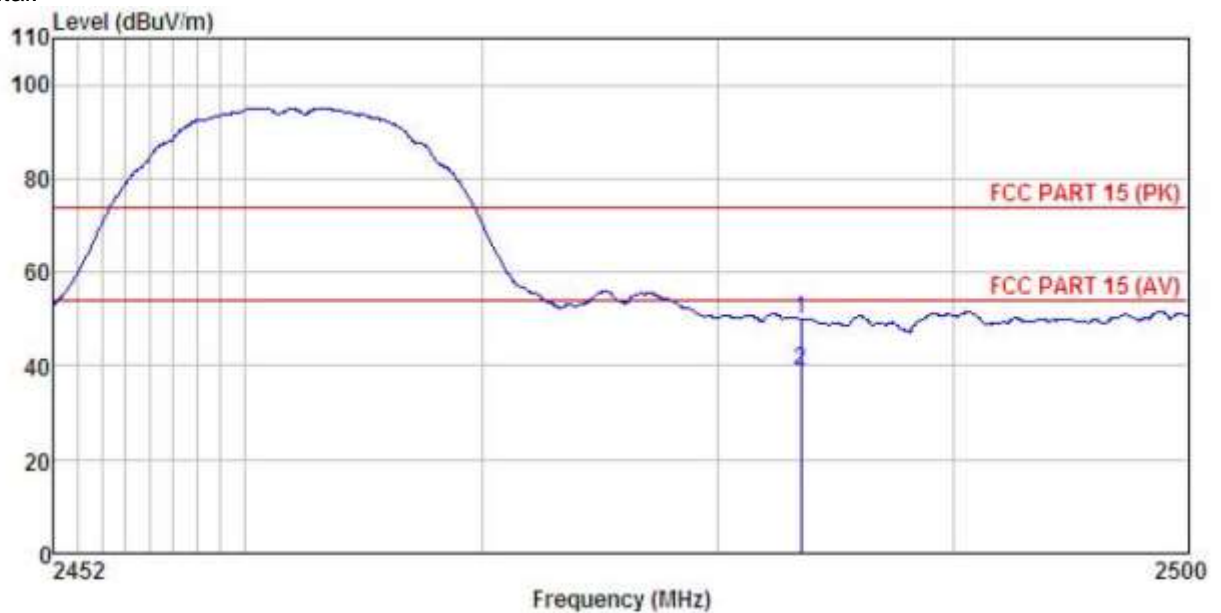
| | Freq | Read Level | Antenna Factor | Cable Loss | Preamplifier Factor | Level | Limit | Over Limit | Remark |
|---|----------|------------|----------------|------------|---------------------|--------|--------|------------|---------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2390.000 | 18.07 | 25.45 | 4.69 | 0.00 | 48.21 | 74.00 | -25.79 | Peak |
| 2 | 2390.000 | 9.26 | 25.45 | 4.69 | 0.00 | 39.40 | 54.00 | -14.60 | Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest

Horizontal:



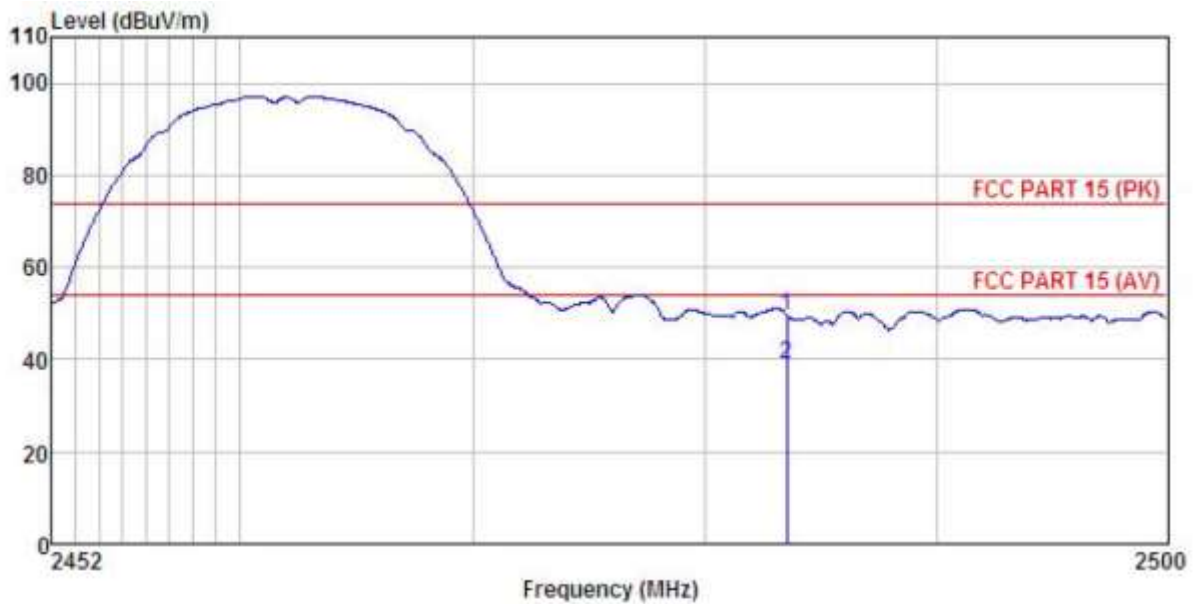
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11B-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Read | Antenna | Cable | Preamp | | Limit | Over | |
|------|----------|---------|-------|--------|--------|--------|-------|----------------|
| Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2483.500 | 19.31 | 25.66 | 4.81 | 0.00 | 49.78 | 74.00 | -24.22 Peak |
| 2 | 2483.500 | 8.66 | 25.66 | 4.81 | 0.00 | 39.13 | 54.00 | -14.87 Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11B-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Read | Antenna | Cable | Preamp | Limit | Over | |
|------------|-------|---------|-------|--------|--------|--------|----------------|
| Freq | Level | Factor | Loss | Factor | Level | Line | Limit Remark |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 2483.500 | 19.09 | 25.66 | 4.81 | 0.00 | 49.56 | 74.00 | -24.44 Peak |
| 2 2483.500 | 8.62 | 25.66 | 4.81 | 0.00 | 39.09 | 54.00 | -14.91 Average |

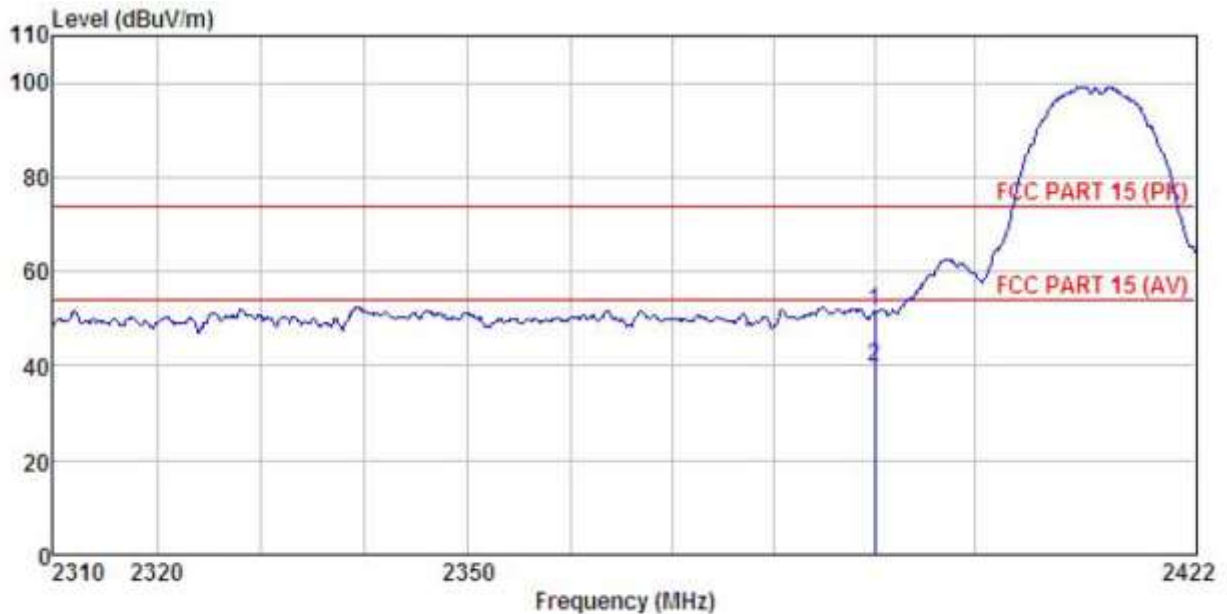
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

MAIN Antenna of 802.11b

Test channel: Lowest

Horizontal:



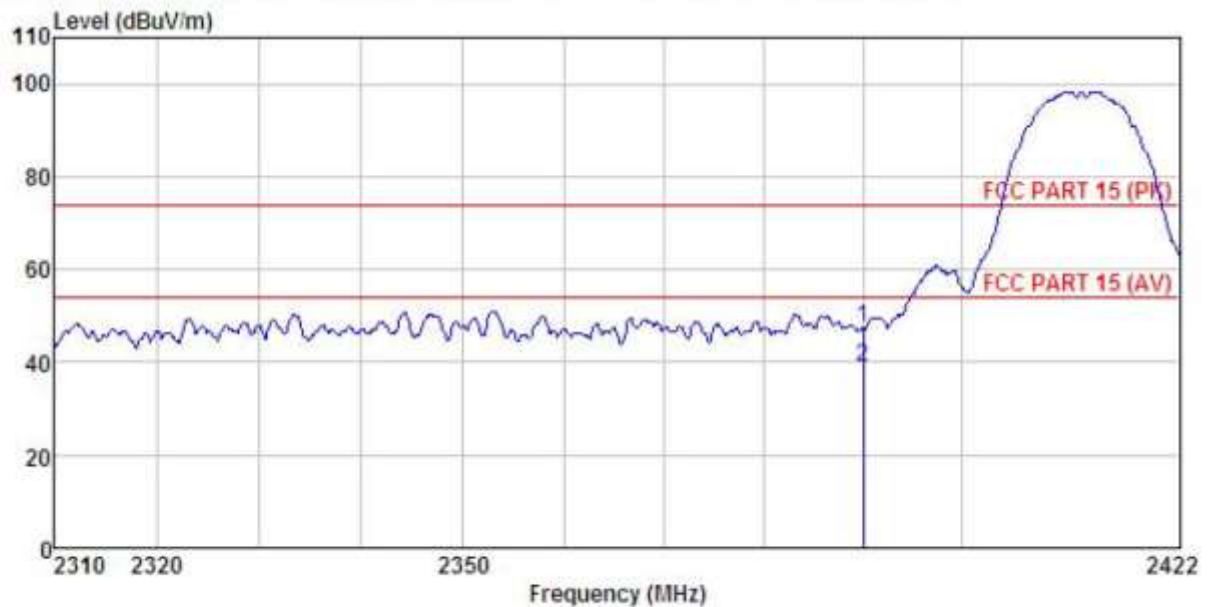
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11B-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : MAIN ANT

| | Freq | Read | Antenna | Cable | Preamp | Limit | Over | |
|---|----------|-------|---------|-------|--------|--------|--------|----------------|
| | MHz | Level | Factor | Loss | Factor | Level | Line | Limit Remark |
| | | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 | 2390.000 | 21.43 | 25.45 | 4.69 | 0.00 | 51.57 | 74.00 | -22.43 Peak |
| 2 | 2390.000 | 9.84 | 25.45 | 4.69 | 0.00 | 39.98 | 54.00 | -14.02 Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11B-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : MAIN ANT

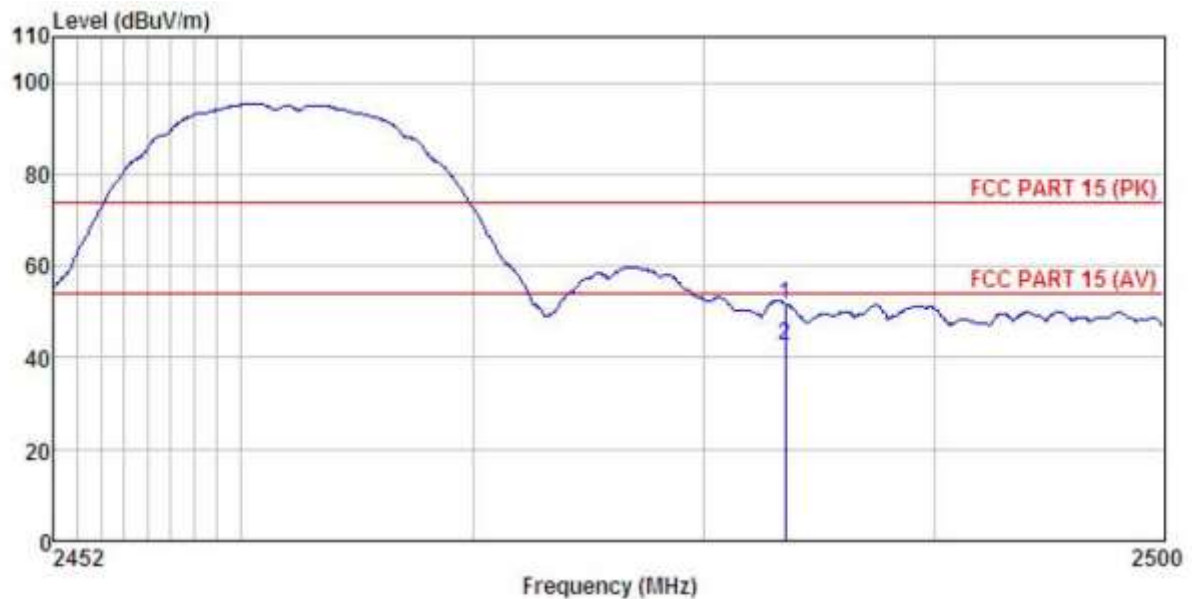
| | Freq | ReadAntenna | Cable Preamp | Limit | Over | |
|---|----------|--------------|--------------|-------|-------|--------|
| | | Level Factor | Loss Factor | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m |
| 1 | 2390.000 | 17.54 | 25.45 | 4.69 | 0.00 | 47.68 |
| 2 | 2390.000 | 8.87 | 25.45 | 4.69 | 0.00 | 39.01 |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest

Horizontal:



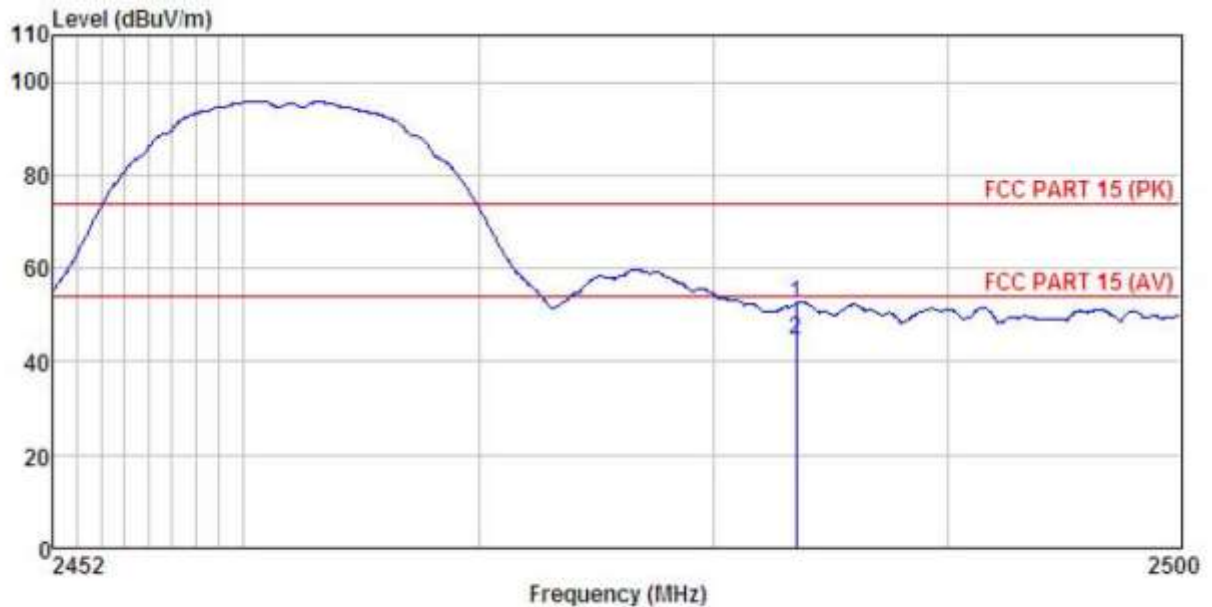
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11B-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : MAIN ANT

| | Freq | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Remark |
|---|----------|------------|----------------|------------|---------------|--------|------------|------------|---------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2483.500 | 21.23 | 25.66 | 4.81 | 0.00 | 51.70 | 74.00 | -22.30 | Peak |
| 2 | 2483.500 | 12.01 | 25.66 | 4.81 | 0.00 | 42.48 | 54.00 | -11.52 | Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11B-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : MAIN ANT

| | | ReadAntenna | Cable | Preamp | | Limit | Over | |
|------|----------|-------------|-------|--------|--------|--------|-------|---------------|
| Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2483.500 | 22.02 | 25.66 | 4.81 | 0.00 | 52.49 | 74.00 | -21.51 Peak |
| 2 | 2483.500 | 14.18 | 25.66 | 4.81 | 0.00 | 44.65 | 54.00 | -9.35 Average |

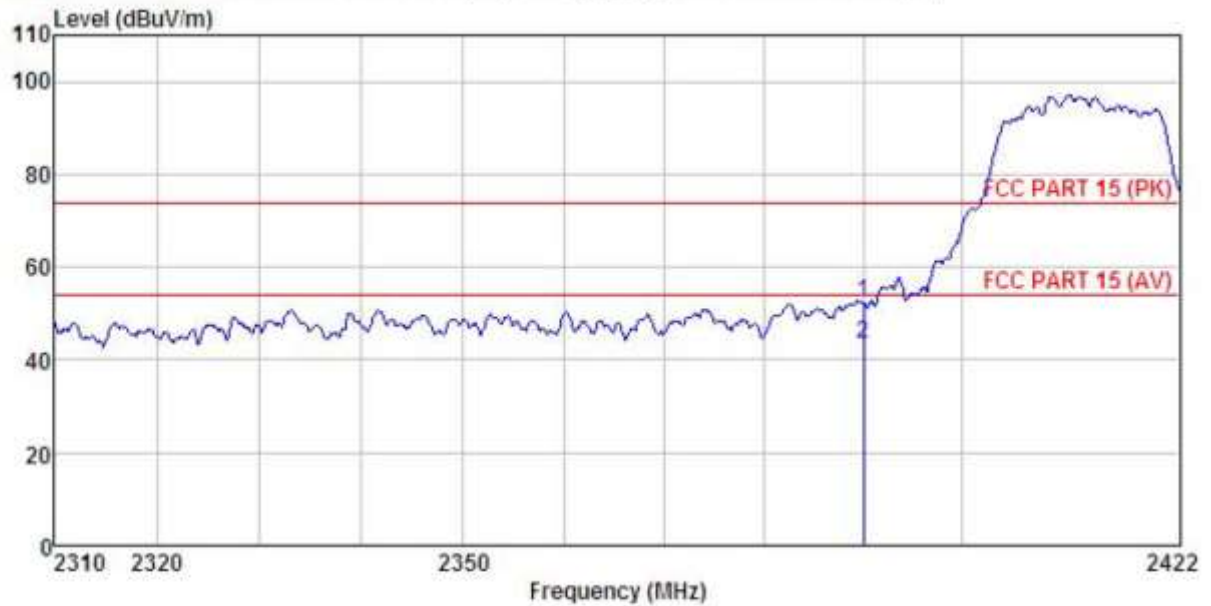
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

AUX Antenna of 802.11g

Test channel: Lowest

Horizontal:



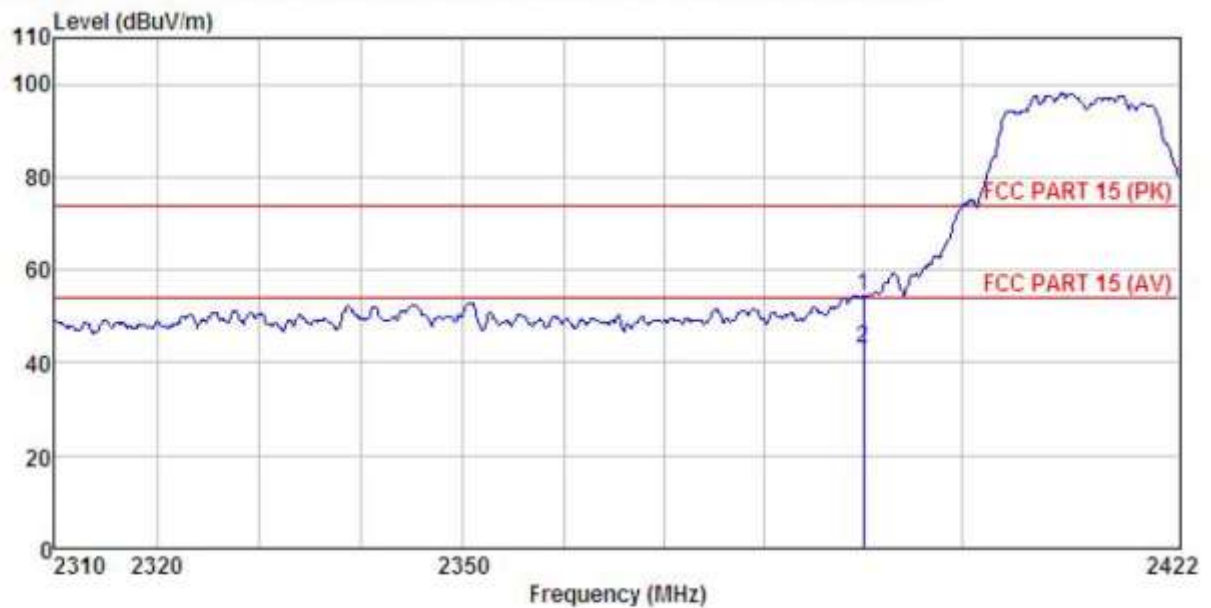
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11G-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Freq | ReadAntenna | Cable Preamp | | Limit | Over | |
|---|--------------|-------------|--------------|------|--------|--------|----------------------|
| | Level Factor | Loss Factor | Level | Line | Limit | Remark | |
| | MHz | dBuV | dB/m | dB | dBuV/m | dBuV/m | dB |
| 1 | 2390.000 | 22.17 | 25.45 | 4.69 | 0.00 | 52.31 | 74.00 -21.69 Peak |
| 2 | 2390.000 | 13.21 | 25.45 | 4.69 | 0.00 | 43.35 | 54.00 -10.65 Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11G-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

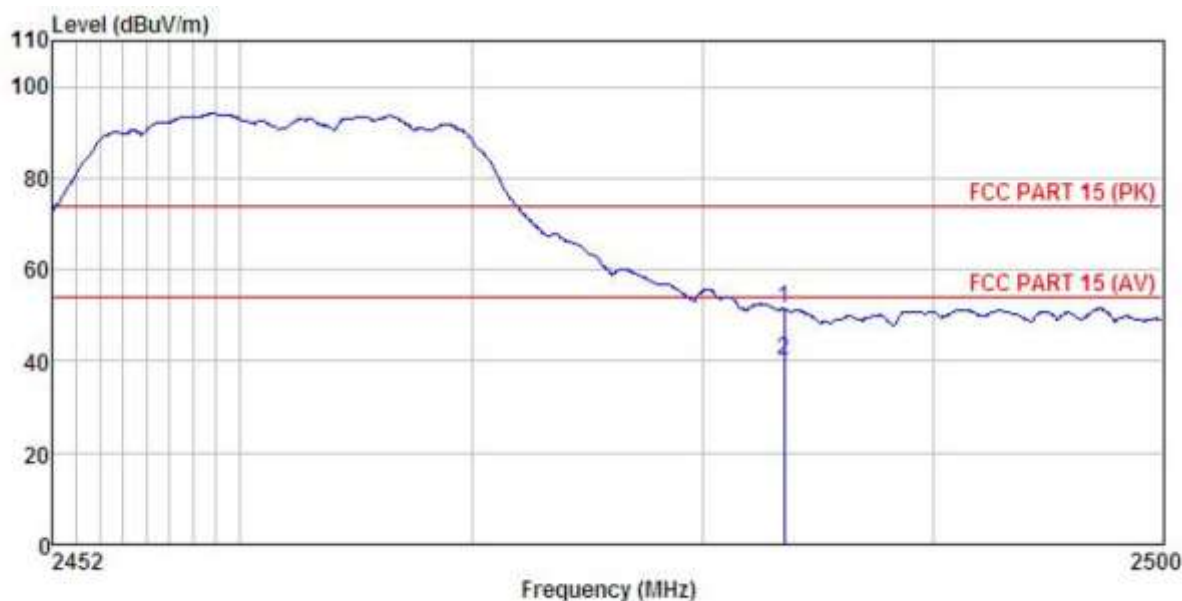
| | Freq | ReadAntenna | Cable Preamp | | Limit | Over | |
|---|----------|--------------|--------------|-------|--------|--------|----------------------|
| | | Level Factor | Loss Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dBuV/m | dBuV/m | dB |
| 1 | 2390.000 | 24.36 | 25.45 | 4.69 | 0.00 | 54.50 | 74.00 -19.50 Peak |
| 2 | 2390.000 | 12.74 | 25.45 | 4.69 | 0.00 | 42.88 | 54.00 -11.12 Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest

Horizontal:



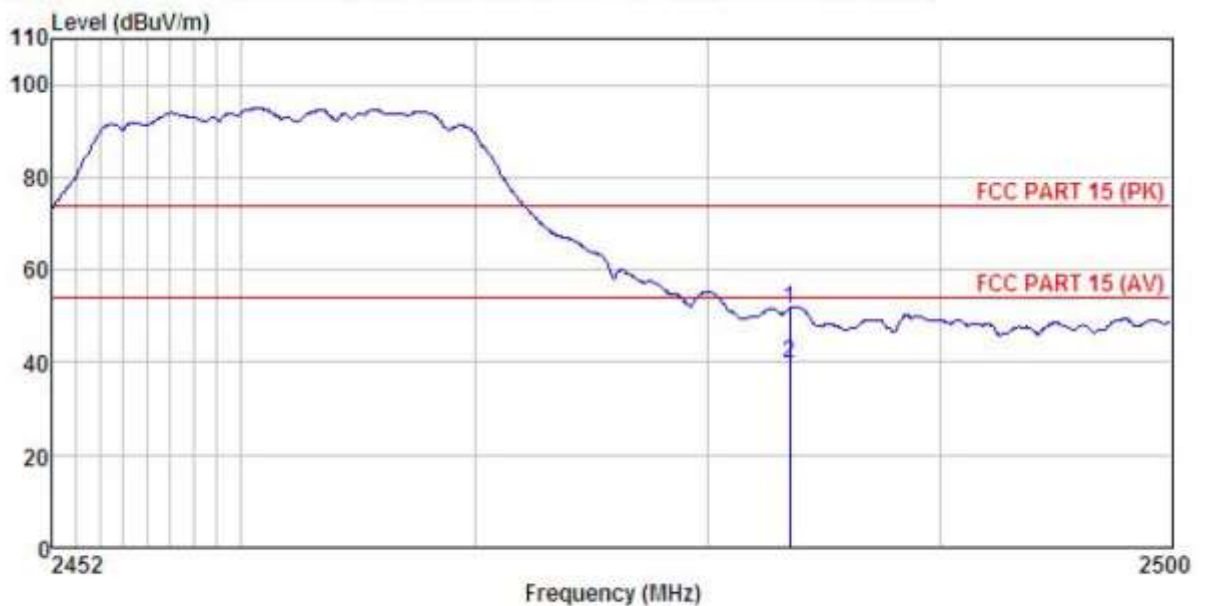
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11G-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Freq | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Level | Limit | Over Limit | Remark |
|---|----------|------------|----------------|------------|---------------|--------|--------|------------|---------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2483.500 | 20.90 | 25.66 | 4.81 | 0.00 | 51.37 | 74.00 | -22.63 | Peak |
| 2 | 2483.500 | 9.69 | 25.66 | 4.81 | 0.00 | 40.16 | 54.00 | -13.84 | Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11G-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Read | Antenna | Cable | Preamp | | Limit | Over | |
|------|----------|---------|-------|--------|--------|--------|-------|----------------|
| Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2483.500 | 21.21 | 25.66 | 4.81 | 0.00 | 51.68 | 74.00 | -22.32 Peak |
| 2 | 2483.500 | 9.27 | 25.66 | 4.81 | 0.00 | 39.74 | 54.00 | -14.26 Average |

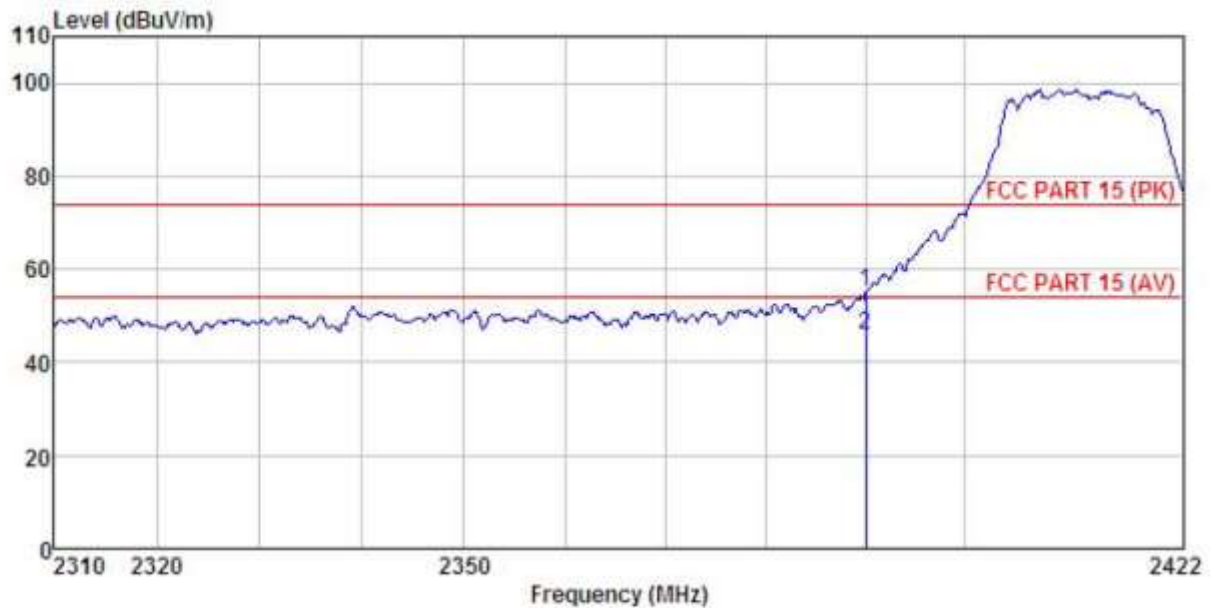
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

MIAN Antenna of 802.11g

Test channel: Lowest

Horizontal:



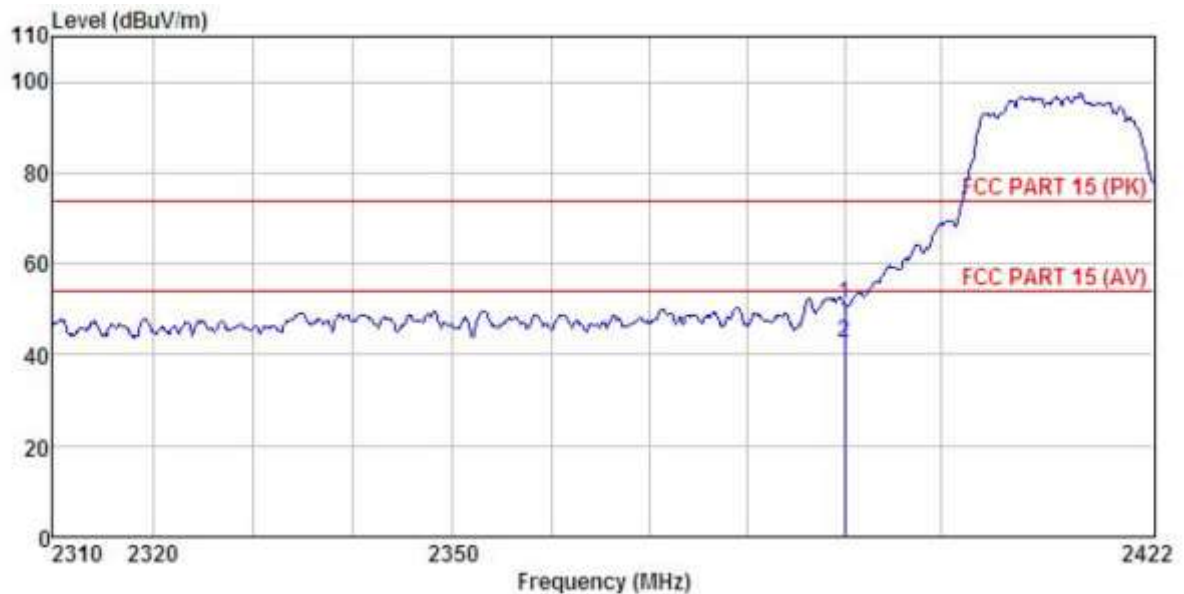
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11G-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : MAIN ANT

| | Freq | ReadAntenna | Cable | Preamp | | Limit | Over | |
|---|----------|-------------|--------|--------|--------|--------|--------|---------------|
| | | Level | Factor | Loss | Factor | Level | Line | Limit |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 | 2390.000 | 25.11 | 25.45 | 4.69 | 0.00 | 55.25 | 74.00 | -18.75 Peak |
| 2 | 2390.000 | 15.54 | 25.45 | 4.69 | 0.00 | 45.68 | 54.00 | -8.32 Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11G-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : MAIN ANT

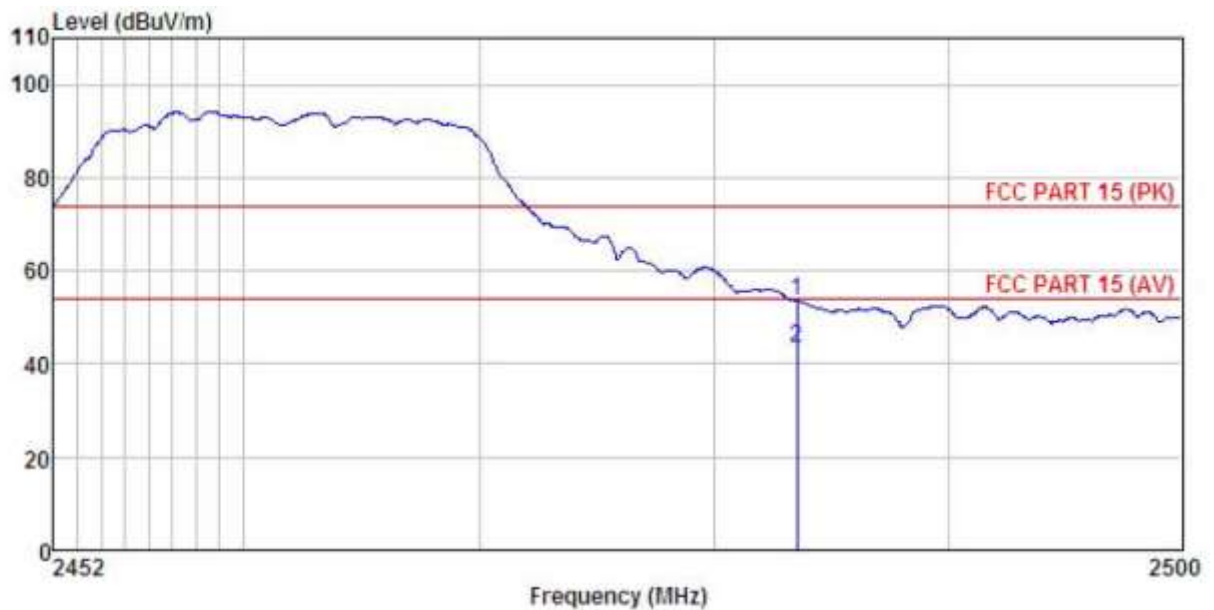
| | Freq | Read Level | Antenna Factor | Cable Loss | Preamplifier Factor | Level | Limit Line | Over Limit | Remark |
|---|----------|------------|----------------|------------|---------------------|--------|------------|------------|---------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2390.000 | 20.91 | 25.45 | 4.69 | 0.00 | 51.05 | 74.00 | -22.95 | Peak |
| 2 | 2390.000 | 12.61 | 25.45 | 4.69 | 0.00 | 42.75 | 54.00 | -11.25 | Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest

Horizontal:



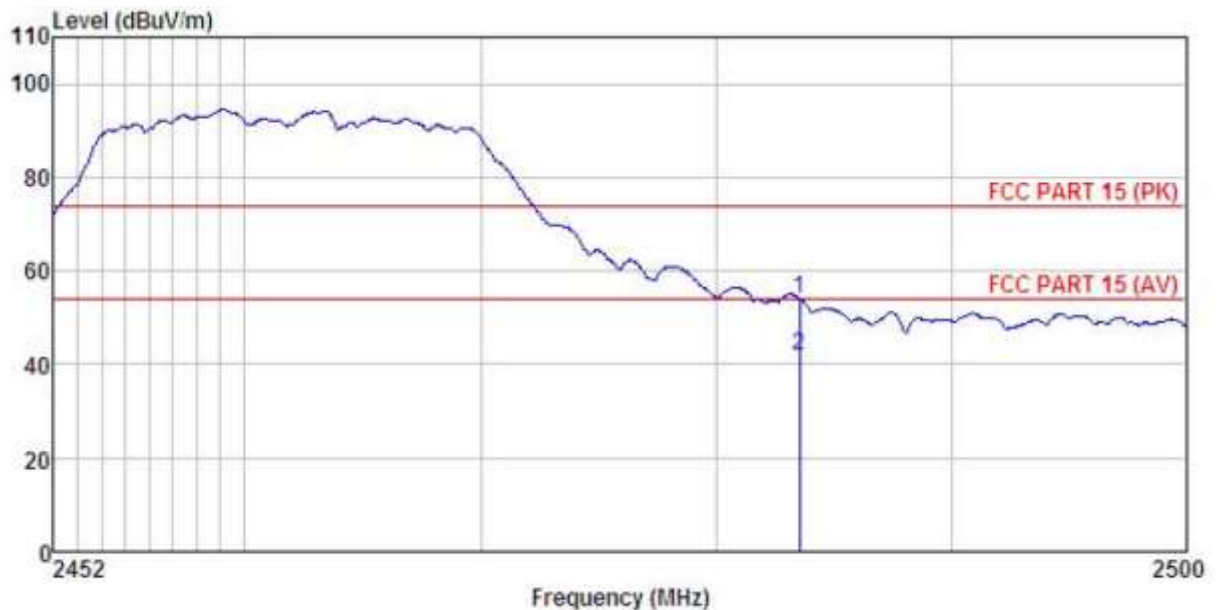
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11G-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : MAIN ANT

| | Freq | Read | Antenna | Cable | Preamp | Level | Limit | Over | |
|---|----------|-------|---------|-------|--------|--------|--------|--------|---------|
| | MHz | Level | Factor | Loss | Factor | dB | Line | Limit | Remark |
| | | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2483.500 | 23.12 | 25.66 | 4.81 | 0.00 | 53.59 | 74.00 | -20.41 | Peak |
| 2 | 2483.500 | 13.08 | 25.66 | 4.81 | 0.00 | 43.55 | 54.00 | -10.45 | Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11G-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : MAIN ANT

| | ReadAntenna | Cable Preamp | Limit | Over | |
|------------|--------------|--------------|-------|------|----------------------------|
| Freq | Level Factor | Loss Factor | Level | Line | Limit Remark |
| MHz | dBuV | dB/m | dB | dB | dBuV/m dBuV/m dB |
| 1 2483.500 | 23.40 | 25.66 | 4.81 | 0.00 | 53.87 74.00 -20.13 Peak |
| 2 2483.500 | 11.26 | 25.66 | 4.81 | 0.00 | 41.73 54.00 -12.27 Average |

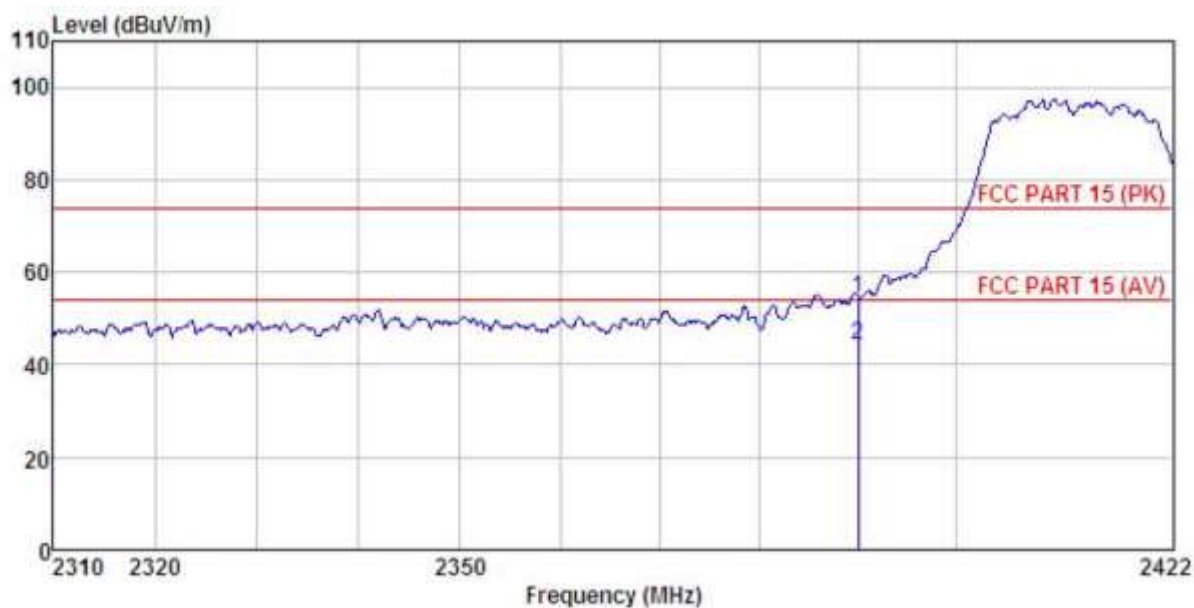
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n (H20)-MIMO Mode

Test channel: Lowest

Horizontal:



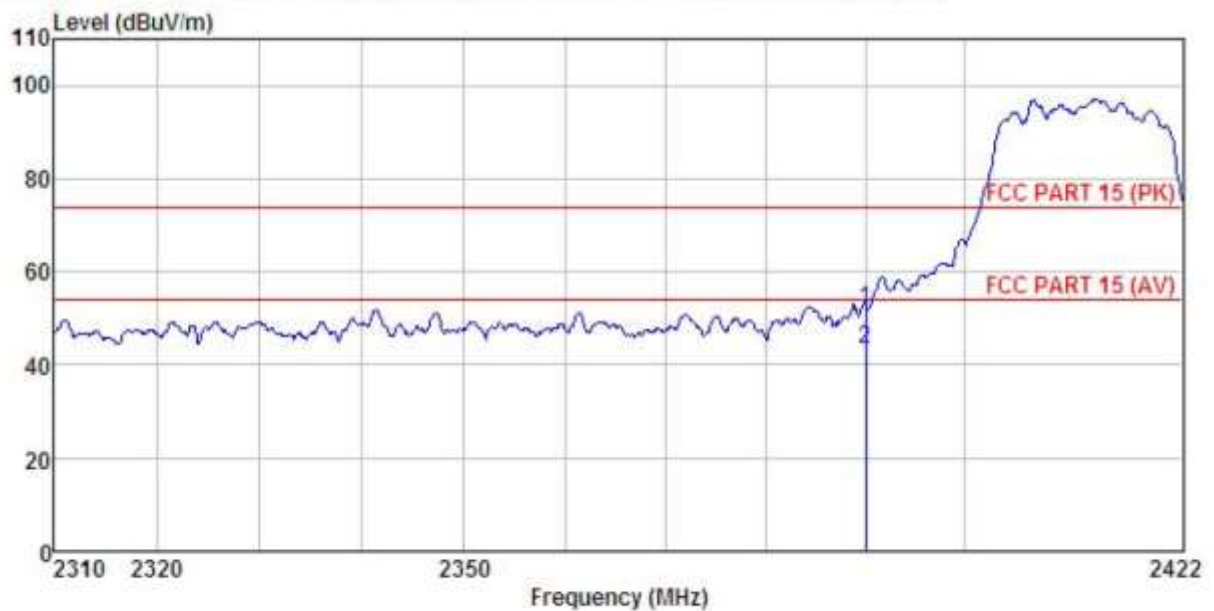
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11N20-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Read | Antenna | Cable | Preamp | Limit | Over | |
|------|----------|---------|-------|--------|--------|--------|---------------------|
| Freq | Level | Factor | Loss | Factor | Line | Limit | Remark |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 | 2390.000 | 24.35 | 25.45 | 4.69 | 0.00 | 54.49 | 74.00 -19.51 Peak |
| 2 | 2390.000 | 13.99 | 25.45 | 4.69 | 0.00 | 44.13 | 54.00 -9.87 Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11N20-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

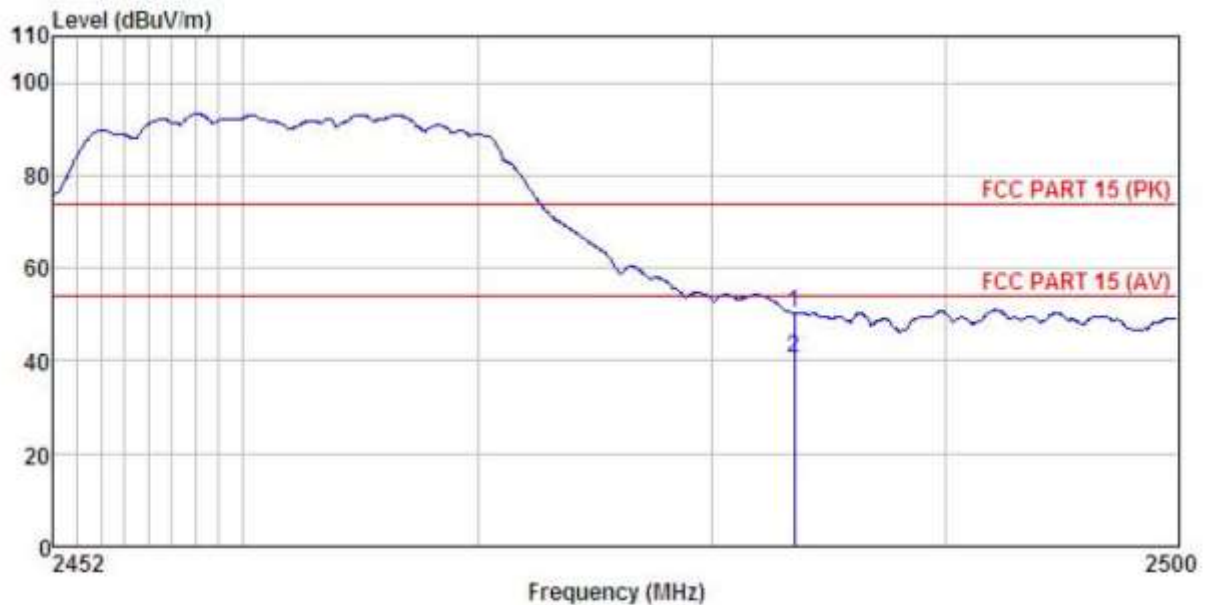
| | | ReadAntenna | Cable | Preamp | | Limit | Over | |
|------|----------|-------------|-------|--------|--------|--------|-------|----------------|
| Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2390.000 | 22.00 | 25.45 | 4.69 | 0.00 | 52.14 | 74.00 | -21.86 Peak |
| 2 | 2390.000 | 13.48 | 25.45 | 4.69 | 0.00 | 43.62 | 54.00 | -10.38 Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest

Horizontal:



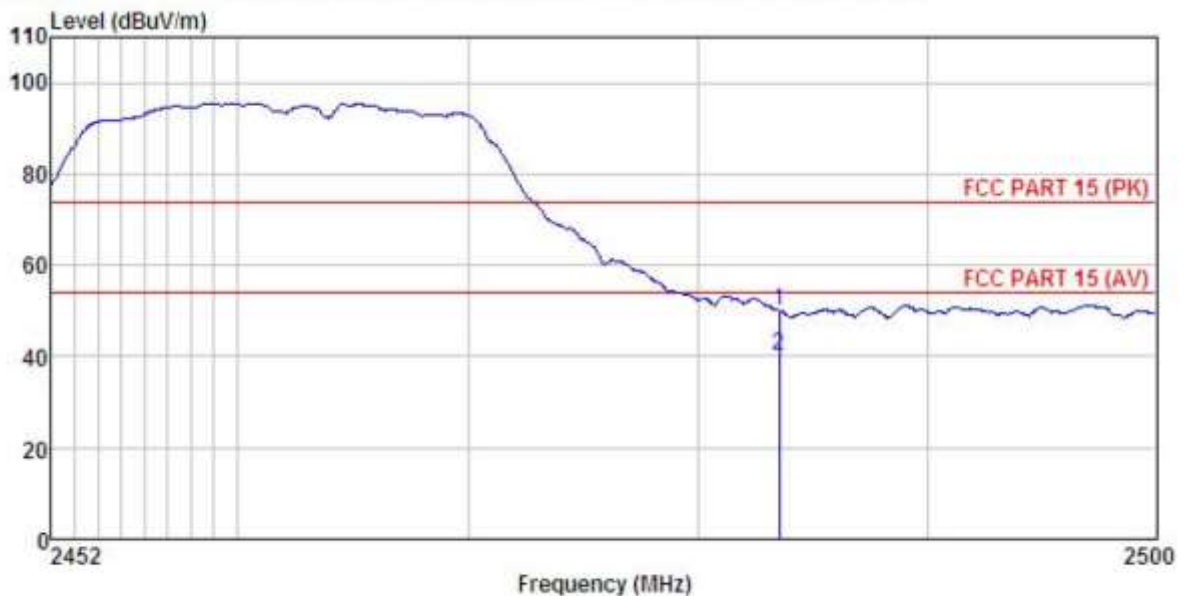
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11N20-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Freq | Read | Antenna | Cable | Preamp | Level | Limit | Over | |
|---|----------|-------|---------|-------|--------|--------|--------|--------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2483.500 | 19.70 | 25.66 | 4.81 | 0.00 | 50.17 | 74.00 | -23.83 | Peak |
| 2 | 2483.500 | 10.30 | 25.66 | 4.81 | 0.00 | 40.77 | 54.00 | -13.23 | Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11N20-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Freq | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Level | Limit | Over Limit | Remark |
|---|----------|------------|----------------|------------|---------------|--------|--------|------------|---------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2483.500 | 19.52 | 25.66 | 4.81 | 0.00 | 49.99 | 74.00 | -24.01 | Peak |
| 2 | 2483.500 | 9.54 | 25.66 | 4.81 | 0.00 | 40.01 | 54.00 | -13.99 | Average |

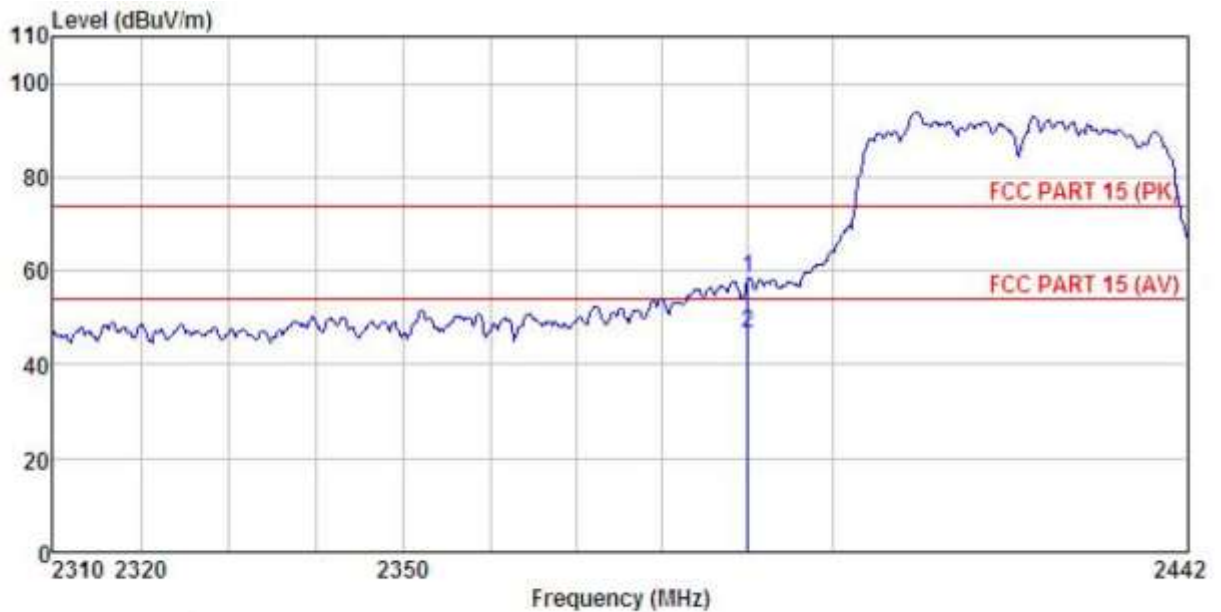
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

802.11n (H40)-MIMO Mode

Test channel: Lowest

Horizontal:



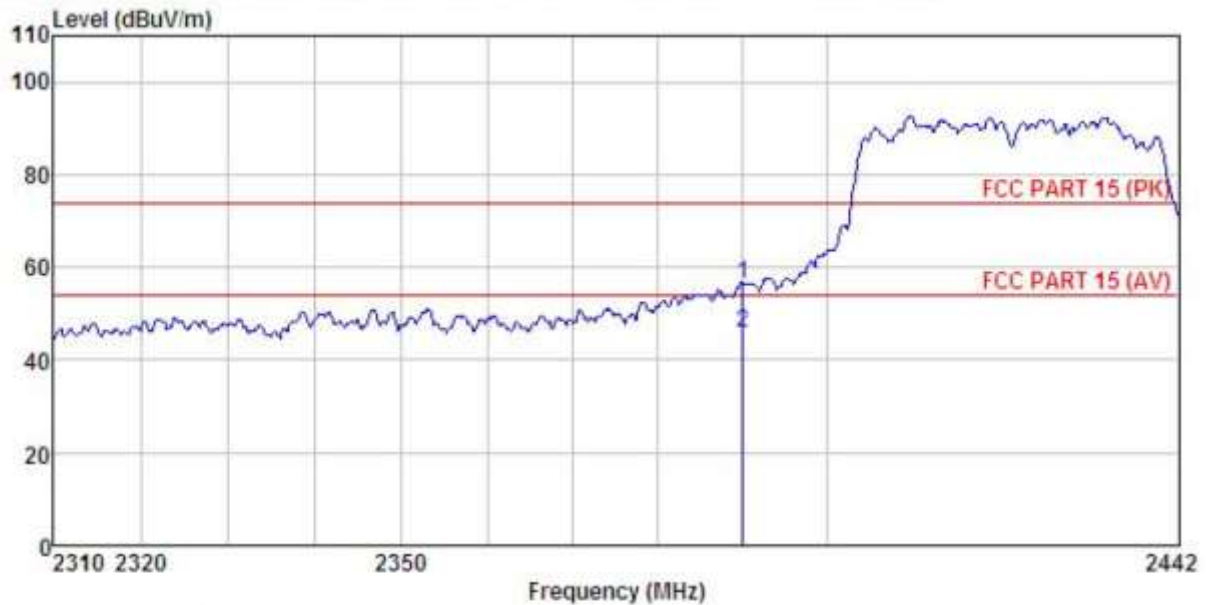
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11N40-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Freq | Read | Antenna | Cable | Preamp | Level | Limit | Over | |
|---|----------|-------|---------|-------|--------|--------|--------|--------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2390.000 | 28.27 | 25.45 | 4.69 | 0.00 | 58.41 | 74.00 | -15.59 | Peak |
| 2 | 2390.000 | 16.39 | 25.45 | 4.69 | 0.00 | 46.53 | 54.00 | -7.47 | Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11N40-L mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

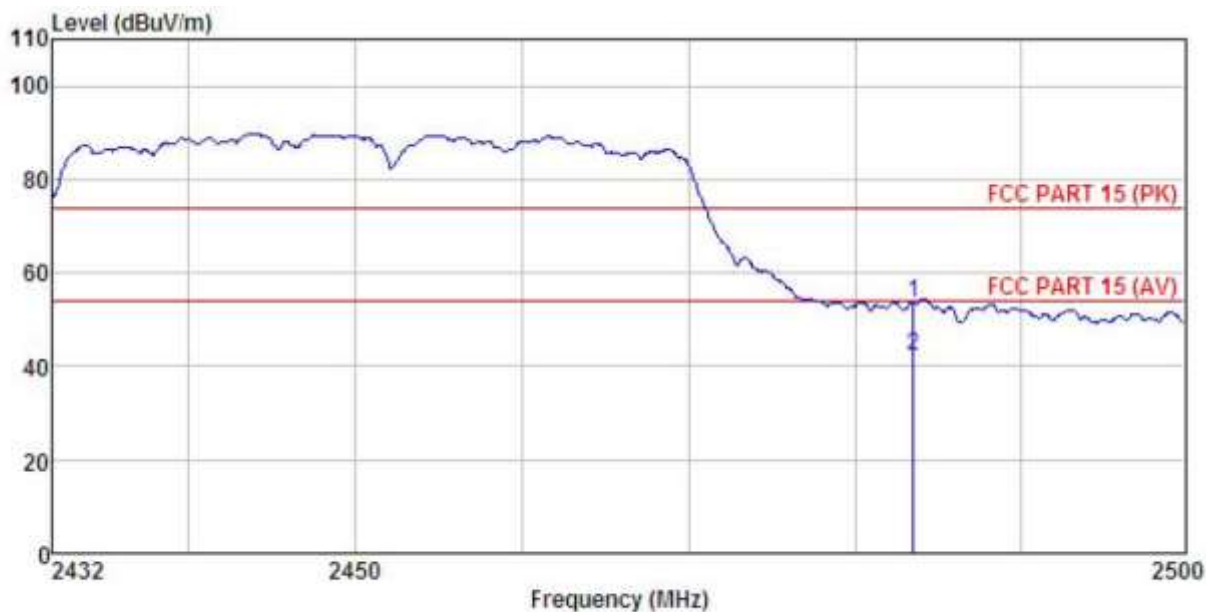
| | Freq | Read | Antenna | Cable | Preamp | Level | Limit | Over | |
|---|----------|-------|---------|-------|--------|--------|--------|--------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2390.000 | 26.19 | 25.45 | 4.69 | 0.00 | 56.33 | 74.00 | -17.67 | Peak |
| 2 | 2390.000 | 15.85 | 25.45 | 4.69 | 0.00 | 45.99 | 54.00 | -8.01 | Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test channel: Highest

Horizontal:



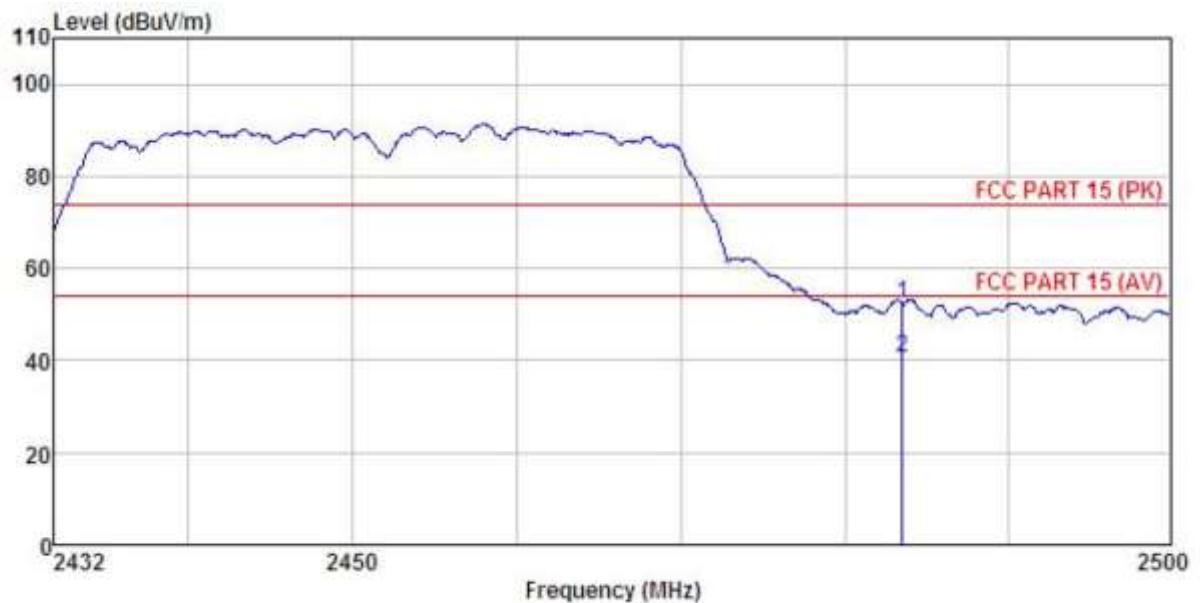
Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11N40-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

| | Freq | Read | Antenna | Cable | Preamp | Limit | Over | |
|---|----------|-------|---------|-------|--------|--------|--------|----------------|
| | MHz | Level | Factor | Loss | Factor | Line | Limit | Remark |
| | | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 | 2483.500 | 23.15 | 25.66 | 4.81 | 0.00 | 53.62 | 74.00 | -20.38 Peak |
| 2 | 2483.500 | 11.55 | 25.66 | 4.81 | 0.00 | 42.02 | 54.00 | -11.98 Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 802.11N40-H mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK : AUX ANT

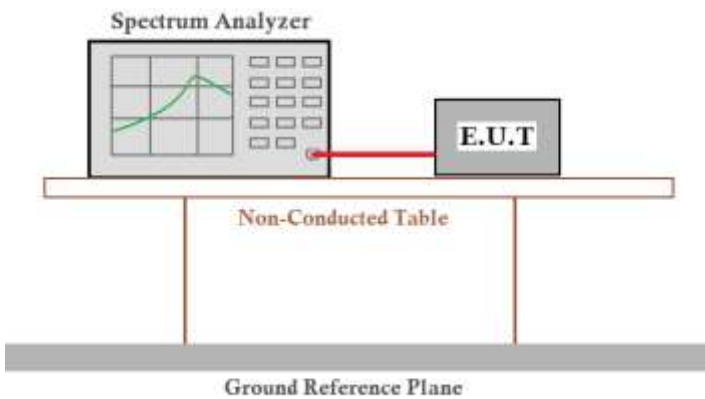
| | Freq | Read | Antenna | Cable | Preamp | Level | Limit | Over | |
|---|----------|-------|---------|-------|--------|--------|--------|--------|---------|
| | MHz | Level | Factor | Loss | Factor | dBuV/m | Line | Limit | Remark |
| | | dBuV | dB/m | dB | dB | | dBuV/m | dB | |
| 1 | 2483.500 | 22.07 | 25.66 | 4.81 | 0.00 | 52.54 | 74.00 | -21.46 | Peak |
| 2 | 2483.500 | 10.29 | 25.66 | 4.81 | 0.00 | 40.76 | 54.00 | -13.24 | Average |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

6.7 Spurious Emission

6.7.1 Conducted Emission Method

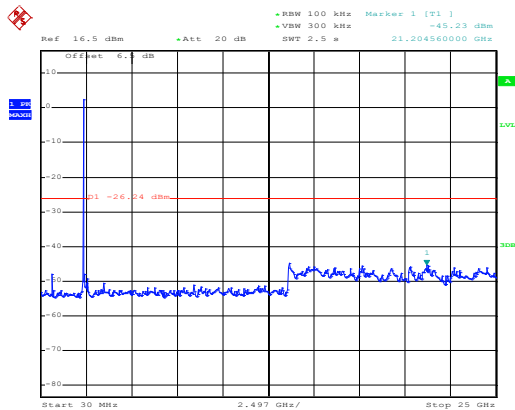
| | |
|-------------------|--|
| Test Requirement: | FCC Part 15 C Section 15.247 (d) |
| Test Method: | ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 11 |
| Limit: | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, 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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. |
| Test setup: |  <p>The diagram illustrates the test setup for conducted emissions. A Spectrum Analyzer is connected to an Equipment Under Test (E.U.T.) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table, which is supported by two vertical legs. Below the table is a Ground Reference Plane.</p> |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

Test plot as follows:

AUX Antenna Port:

Test mode: 802.11b

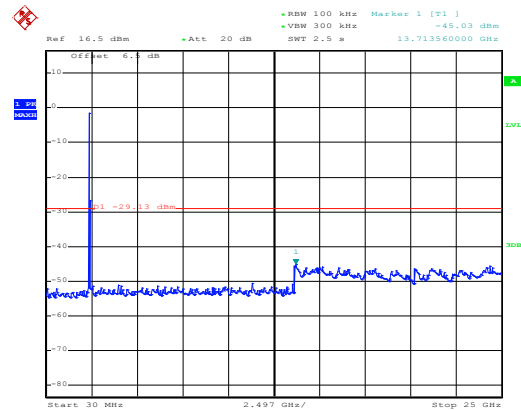
Lowest channel



Date: 9.NOV.2017 20:22:25

Test mode: 802.11g

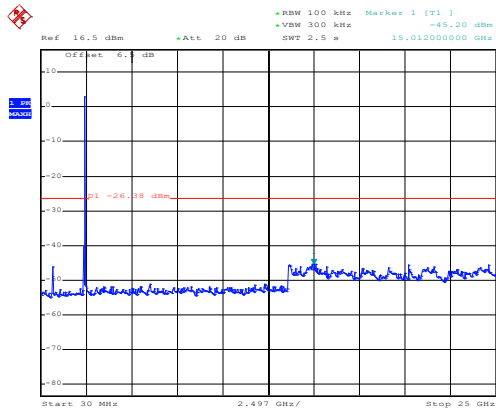
Lowest channel



Date: 9.NOV.2017 20:20:35

30MHz~25GHz

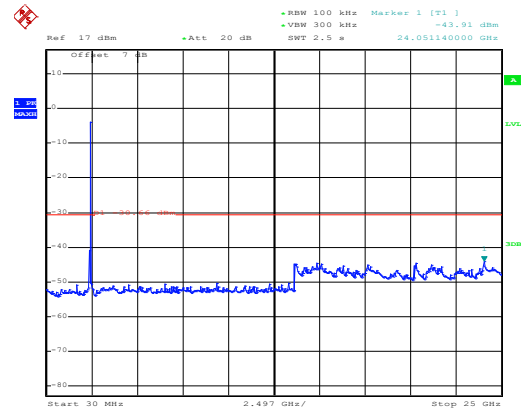
Middle channel



Date: 9.NOV.2017 20:22:05

30MHz~25GHz

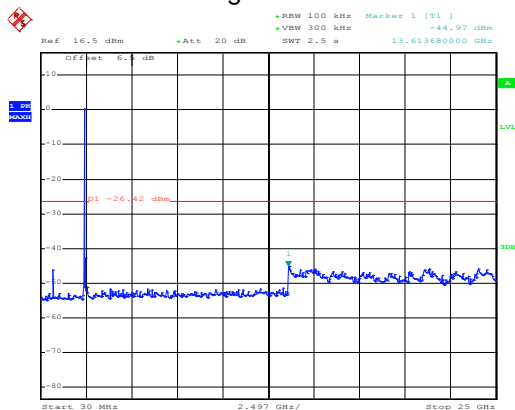
Middle channel



Date: 14.NOV.2017 05:56:24

30MHz~25GHz

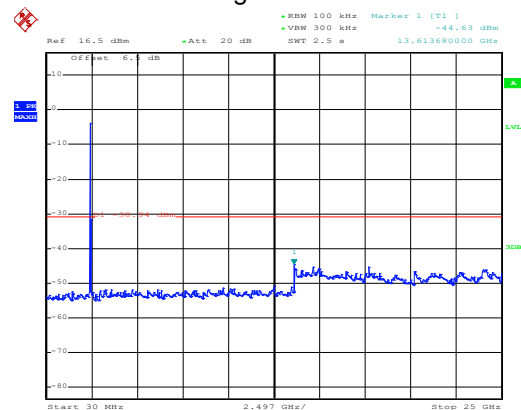
Highest channel



Date: 9.NOV.2017 20:21:40

30MHz~25GHz

Highest channel

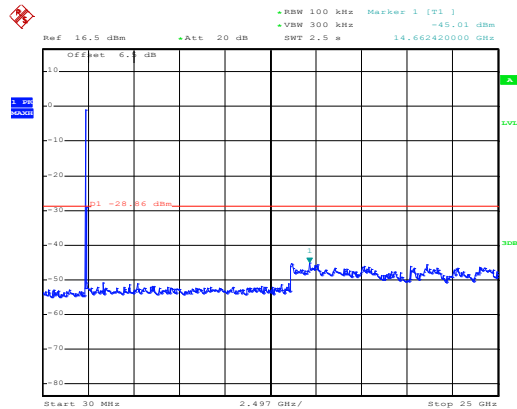


Date: 9.NOV.2017 20:21:19

30MHz~25GHz

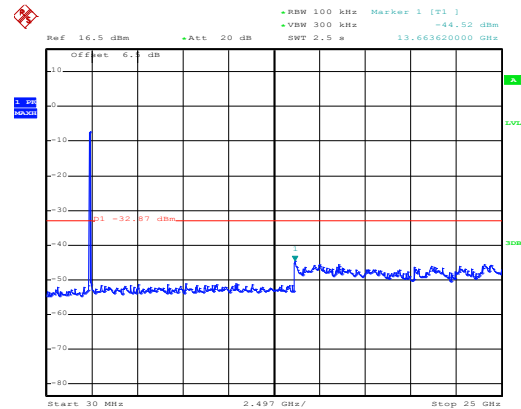
30MHz~25GHz

Test mode: 802.11n(H20)
Lowest channel



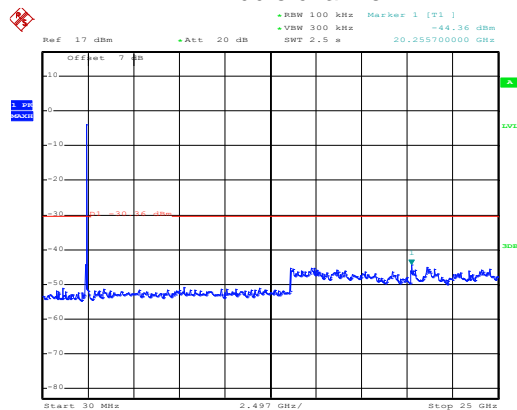
Date: 9.NOV.2017 20:20:07

Test mode: 802.11n(H40)
Lowest channel



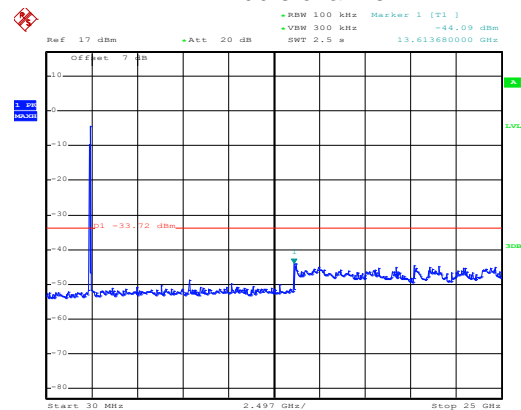
Date: 9.NOV.2017 20:22:58

30MHz~25GHz
Middle channel



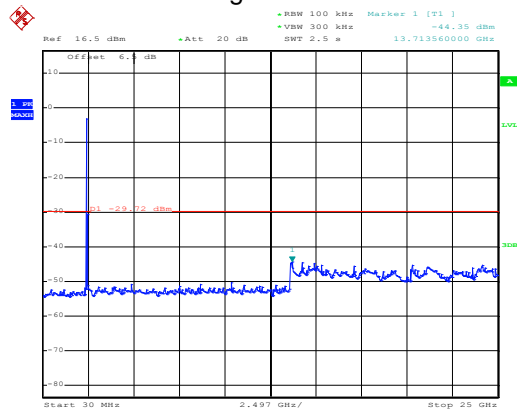
Date: 14.NOV.2017 05:55:50

30MHz~25GHz
Middle channel



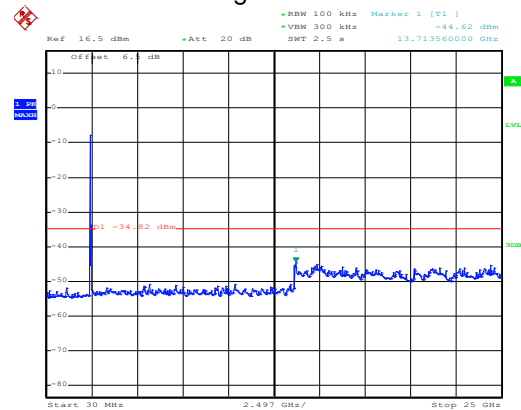
Date: 14.NOV.2017 05:55:28

30MHz~25GHz
Highest channel



Date: 9.NOV.2017 20:19:21

30MHz~25GHz
Highest channel



Date: 9.NOV.2017 20:23:49

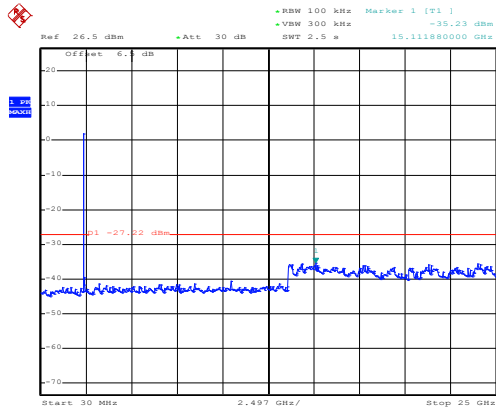
30MHz~25GHz

30MHz~25GHz

MAIN Antenna Port:

Test mode: 802.11b

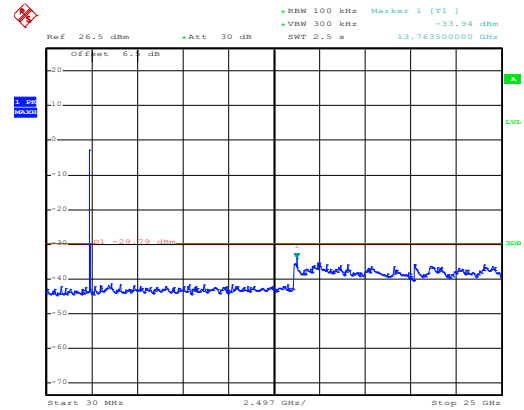
Lowest channel



Date: 9.NOV.2017 18:01:37

Test mode: 802.11g

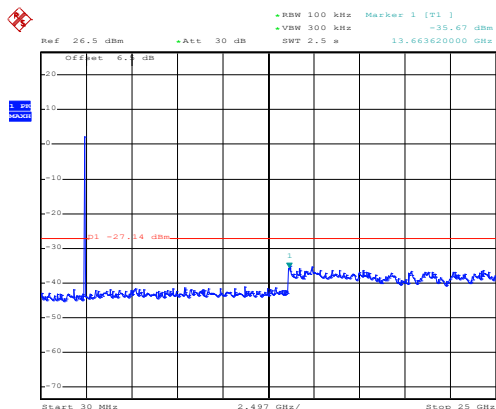
Lowest channel



Date: 9.NOV.2017 18:02:01

30MHz~25GHz

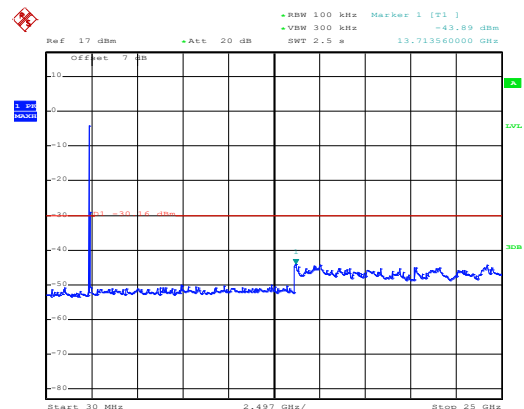
Middle channel



Date: 9.NOV.2017 18:01:12

30MHz~25GHz

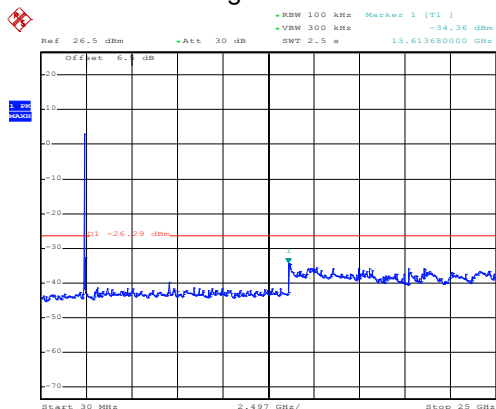
Middle channel



Date: 14.NOV.2017 05:58:39

30MHz~25GHz

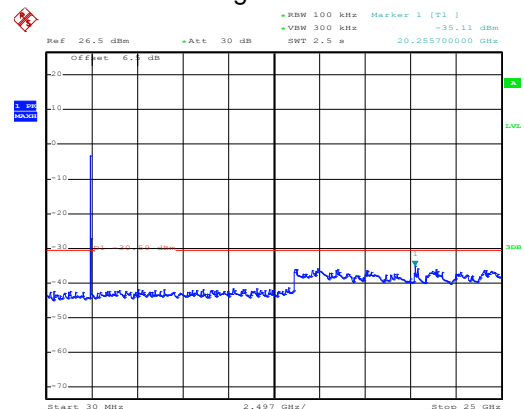
Highest channel



Date: 9.NOV.2017 18:00:49

30MHz~25GHz

Highest channel



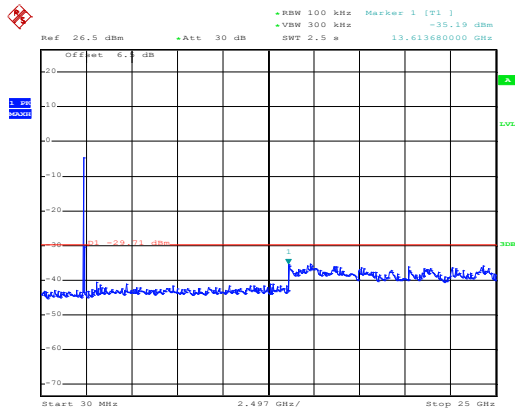
Date: 9.NOV.2017 18:02:55

30MHz~25GHz

30MHz~25GHz

Test mode: 802.11n(H20)

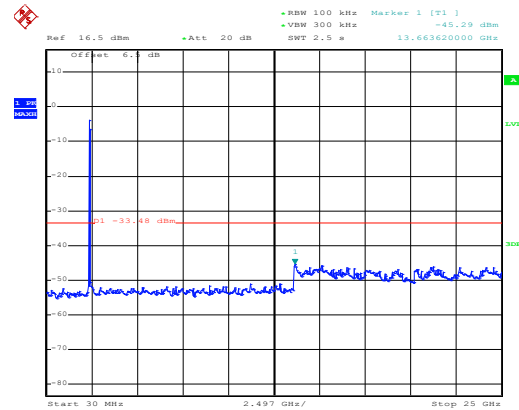
Lowest channel



Date: 9.NOV.2017 18:03:54

Test mode: 802.11n(H40)

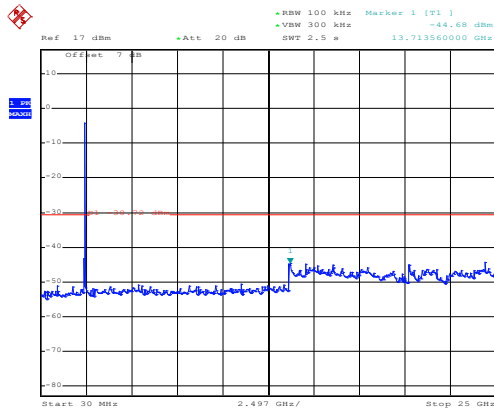
Lowest channel



Date: 9.NOV.2017 18:04:20

30MHz~25GHz

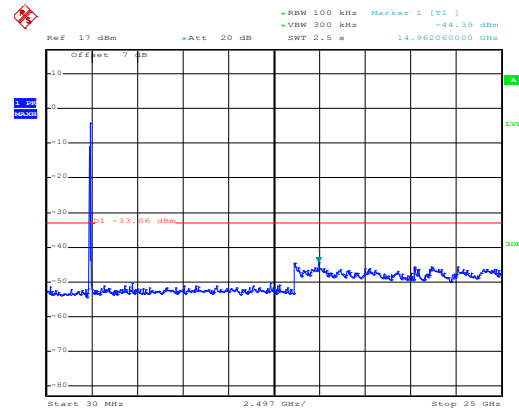
Middle channel



Date: 14.NOV.2017 05:59:03

30MHz~25GHz

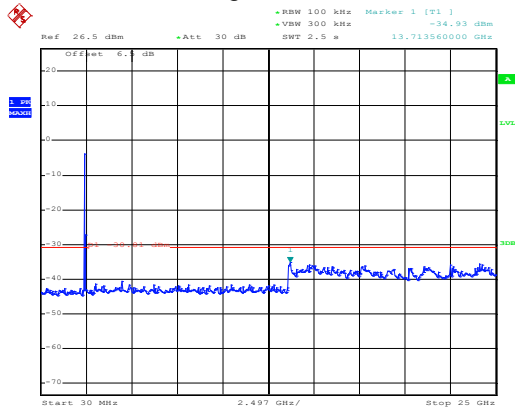
Middle channel



Date: 14.NOV.2017 05:59:27

30MHz~25GHz

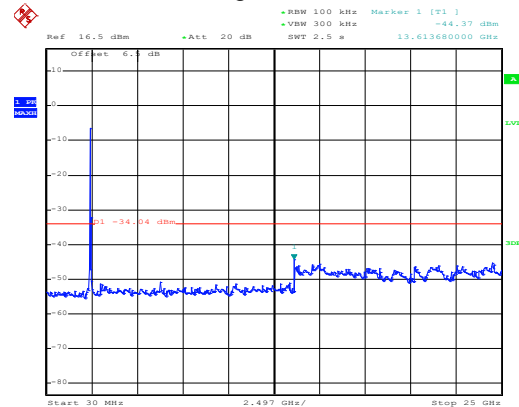
Highest channel



Date: 9.NOV.2017 18:03:16

30MHz~25GHz

Highest channel

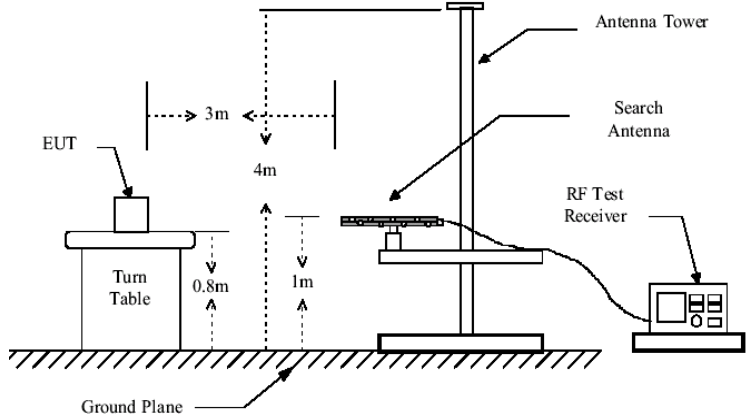


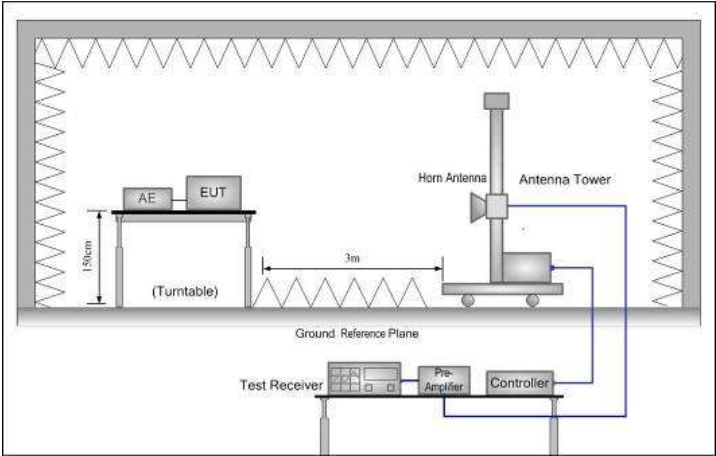
Date: 9.NOV.2017 18:04:54

30MHz~25GHz

30MHz~25GHz

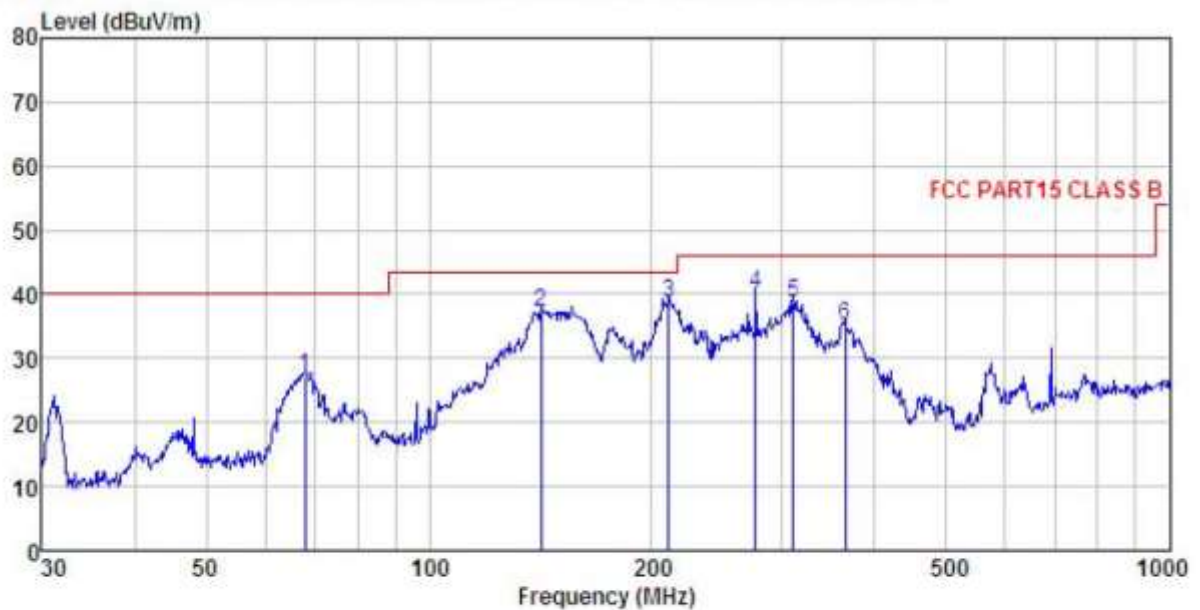
6.7.2 Radiated Emission Method

| | | | | | |
|-----------------------|--|--------------------|--------|------------------|------------------|
| Test Requirement: | FCC Part 15 C Section 15.209 and 15.205 | | | | |
| Test Method: | ANSI C63.10:2013 | | | | |
| Test Frequency Range: | 9kHz to 25GHz | | | | |
| Test Distance: | 3m | | | | |
| Receiver setup: | Frequency | Detector | RBW | VBW | Remark |
| | 30MHz-1GHz | Quasi-peak | 120KHz | 300KHz | Quasi-peak Value |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak Value |
| RMS | | 1MHz | 3MHz | Average Value | |
| Limit: | Frequency | Limit (dBuV/m @3m) | | Remark | |
| | 30MHz-88MHz | 40.0 | | Quasi-peak Value | |
| | 88MHz-216MHz | 43.5 | | Quasi-peak Value | |
| | 216MHz-960MHz | 46.0 | | Quasi-peak Value | |
| | 960MHz-1GHz | 54.0 | | Quasi-peak Value | |
| | Above 1GHz | 54.0 | | Average Value | |
| 74.0 | | Peak Value | | | |
| Test Procedure: | <div>1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</div> <div>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</div> <div>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</div> <div>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</div> <div>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</div> <div>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</div> | | | | |
| Test setup: | <div>Below 1GHz</div> <div></div> | | | | |

| | |
|-------------------|---|
| | <p>Above 1GHz</p>  |
| Test Instruments: | Refer to section 5.8 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |
| Remark: | <ol style="list-style-type: none"> 1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 2. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report. |

Below 1GHz

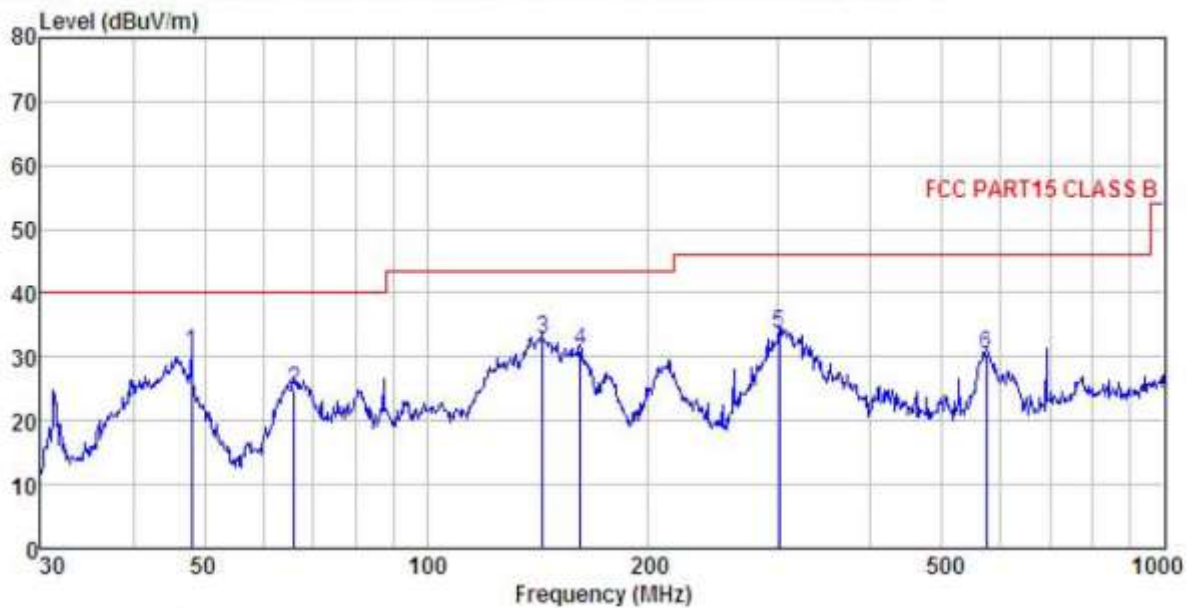
Horizontal:



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(30M2G) HORIZONTAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 2.4G-WIFI mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK :

| | Freq | Read Level | Antenna Factor | Cable Loss | Preamplifier | Level | Limit | Over Limit | Remark |
|---|---------|------------|----------------|------------|--------------|--------|--------|------------|--------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 67.913 | 44.85 | 10.72 | 1.46 | 29.74 | 27.29 | 40.00 | -12.71 | QP |
| 2 | 141.826 | 55.69 | 8.34 | 2.42 | 29.26 | 37.19 | 43.50 | -6.31 | QP |
| 3 | 210.786 | 53.20 | 11.30 | 2.86 | 28.76 | 38.60 | 43.50 | -4.90 | QP |
| 4 | 276.124 | 53.05 | 12.66 | 2.88 | 28.49 | 40.10 | 46.00 | -5.90 | QP |
| 5 | 309.998 | 50.82 | 13.48 | 2.97 | 28.47 | 38.80 | 46.00 | -7.20 | QP |
| 6 | 364.260 | 46.05 | 14.58 | 3.09 | 28.62 | 35.10 | 46.00 | -10.90 | QP |

Vertical:



Site : 3m chamber
 Condition : FCC PART15 CLASS B 3m VULB9163(30M2G) VERTICAL
 EUT : Tablet PC
 Model : 11101
 Test mode : 2.4G-WIFI mode
 Power Rating : AC 120V/60Hz
 Environment : Temp:25.5°C Humi:55%
 Test Engineer: Carey
 REMARK :

| | Freq | Level | Antenna Factor | Cable Loss | Preamp Factor | Level | Limit | Over Limit | Remark |
|---|---------|-------|----------------|------------|---------------|--------|--------|------------|--------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 47.994 | 44.86 | 14.40 | 1.27 | 29.84 | 30.69 | 40.00 | -9.31 | QP |
| 2 | 66.266 | 41.93 | 11.24 | 1.41 | 29.75 | 24.83 | 40.00 | -15.17 | QP |
| 3 | 143.830 | 51.10 | 8.38 | 2.44 | 29.25 | 32.67 | 43.50 | -10.83 | QP |
| 4 | 161.474 | 48.86 | 8.68 | 2.60 | 29.12 | 31.02 | 43.50 | -12.48 | QP |
| 5 | 300.367 | 45.71 | 13.40 | 2.94 | 28.45 | 33.60 | 46.00 | -12.40 | QP |
| 6 | 572.614 | 37.81 | 17.86 | 3.91 | 29.03 | 30.55 | 46.00 | -15.45 | QP |

Above 1GHz

AUX Antenna:

| Test mode: 802.11b | | | Test channel: Lowest | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4824.00 | 46.64 | 36.06 | 6.81 | 41.82 | 47.69 | 74.00 | -26.31 | Vertical |
| 4824.00 | 47.72 | 36.06 | 6.81 | 41.82 | 48.77 | 74.00 | -25.23 | Horizontal |
| Test mode: 802.11b | | | Test channel: Lowest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4824.00 | 36.58 | 36.06 | 6.81 | 41.82 | 37.63 | 54.00 | -16.37 | Vertical |
| 4824.00 | 37.25 | 36.06 | 6.81 | 41.82 | 38.30 | 54.00 | -15.70 | Horizontal |

| Test mode: 802.11b | | | Test channel: Middle | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 45.88 | 36.32 | 6.85 | 41.84 | 47.21 | 74.00 | -26.79 | Vertical |
| 4874.00 | 47.33 | 36.32 | 6.85 | 41.84 | 48.66 | 74.00 | -25.34 | Horizontal |
| Test mode: 802.11b | | | Test channel: Middle | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 35.29 | 36.32 | 6.85 | 41.84 | 36.62 | 54.00 | -17.38 | Vertical |
| 4874.00 | 36.52 | 36.32 | 6.85 | 41.84 | 37.85 | 54.00 | -16.15 | Horizontal |

| Test mode: 802.11b | | | Test channel: Highest | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|-----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4924.00 | 46.91 | 36.58 | 6.89 | 41.86 | 48.52 | 74.00 | -25.48 | Vertical |
| 4924.00 | 46.86 | 36.58 | 6.89 | 41.86 | 48.47 | 74.00 | -25.53 | Horizontal |
| Test mode: 802.11b | | | Test channel: Highest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4924.00 | 36.87 | 36.58 | 6.89 | 41.86 | 38.48 | 54.00 | -15.52 | Vertical |
| 4924.00 | 36.57 | 36.58 | 6.89 | 41.86 | 38.18 | 54.00 | -15.82 | Horizontal |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

| Test mode: 802.11g | | | Test channel: Lowest | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|----------------------|--------------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4824.00 | 46.80 | 36.06 | 6.81 | 41.82 | 47.85 | 74.00 | -26.15 | Vertical |
| 4824.00 | 47.30 | 36.06 | 6.81 | 41.82 | 48.35 | 74.00 | -25.65 | Horizontal |
| Test mode: 802.11g | | | Test channel: Lowest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4824.00 | 36.75 | 36.06 | 6.81 | 41.82 | 37.80 | 54.00 | -16.20 | Vertical |
| 4824.00 | 37.56 | 36.06 | 6.81 | 41.82 | 38.61 | 54.00 | -15.39 | Horizontal |

| Test mode: 802.11g | | | Test channel: Middle | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|----------------------|--------------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 47.29 | 36.32 | 6.85 | 41.84 | 48.62 | 74.00 | -25.38 | Vertical |
| 4874.00 | 46.23 | 36.32 | 6.85 | 41.84 | 47.56 | 74.00 | -26.44 | Horizontal |
| Test mode: 802.11g | | | Test channel: Middle | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 37.25 | 36.32 | 6.85 | 41.84 | 38.58 | 54.00 | -15.42 | Vertical |
| 4874.00 | 36.55 | 36.32 | 6.85 | 41.84 | 37.88 | 54.00 | -16.12 | Horizontal |

| Test mode: 802.11g | | | Test channel: Highest | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|-----------------------|--------------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4924.00 | 46.92 | 36.58 | 6.89 | 41.86 | 48.53 | 74.00 | -25.47 | Vertical |
| 4924.00 | 47.83 | 36.58 | 6.89 | 41.86 | 49.44 | 74.00 | -24.56 | Horizontal |
| Test mode: 802.11g | | | Test channel: Highest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4924.00 | 36.54 | 36.58 | 6.89 | 41.86 | 38.15 | 54.00 | -15.85 | Vertical |
| 4924.00 | 37.58 | 36.58 | 6.89 | 41.86 | 39.19 | 54.00 | -14.81 | Horizontal |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

MAIN Antenna:

| Test mode: 802.11b | | | Test channel: Lowest | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4824.00 | 47.35 | 36.06 | 6.81 | 41.82 | 48.40 | 74.00 | -25.60 | Vertical |
| 4824.00 | 46.37 | 36.06 | 6.81 | 41.82 | 47.42 | 74.00 | -26.58 | Horizontal |
| Test mode: 802.11b | | | Test channel: Lowest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4824.00 | 36.52 | 36.06 | 6.81 | 41.82 | 37.57 | 54.00 | -16.43 | Vertical |
| 4824.00 | 36.22 | 36.06 | 6.81 | 41.82 | 37.27 | 54.00 | -16.73 | Horizontal |

| Test mode: 802.11b | | | Test channel: Middle | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 46.44 | 36.32 | 6.85 | 41.84 | 47.77 | 74.00 | -26.23 | Vertical |
| 4874.00 | 46.28 | 36.32 | 6.85 | 41.84 | 47.61 | 74.00 | -26.39 | Horizontal |
| Test mode: 802.11b | | | Test channel: Middle | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 36.42 | 36.32 | 6.85 | 41.84 | 37.75 | 54.00 | -16.25 | Vertical |
| 4874.00 | 36.57 | 36.32 | 6.85 | 41.84 | 37.90 | 54.00 | -16.10 | Horizontal |

| Test mode: 802.11b | | | Test channel: Highest | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|-----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4924.00 | 46.30 | 36.58 | 6.89 | 41.86 | 47.91 | 74.00 | -26.09 | Vertical |
| 4924.00 | 46.38 | 36.58 | 6.89 | 41.86 | 47.99 | 74.00 | -26.01 | Horizontal |
| Test mode: 802.11b | | | Test channel: Highest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4924.00 | 36.87 | 36.58 | 6.89 | 41.86 | 38.48 | 54.00 | -15.52 | Vertical |
| 4924.00 | 36.58 | 36.58 | 6.89 | 41.86 | 38.19 | 54.00 | -15.81 | Horizontal |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

| Test mode: 802.11g | | | Test channel: Lowest | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|----------------------|--------------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4824.00 | 46.61 | 36.06 | 6.81 | 41.82 | 47.66 | 74.00 | -26.34 | Vertical |
| 4824.00 | 48.00 | 36.06 | 6.81 | 41.82 | 49.05 | 74.00 | -24.95 | Horizontal |
| Test mode: 802.11g | | | Test channel: Lowest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4824.00 | 36.60 | 36.06 | 6.81 | 41.82 | 37.65 | 54.00 | -16.35 | Vertical |
| 4824.00 | 38.06 | 36.06 | 6.81 | 41.82 | 39.11 | 54.00 | -14.89 | Horizontal |

| Test mode: 802.11g | | | Test channel: Middle | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|----------------------|--------------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 46.80 | 36.32 | 6.85 | 41.84 | 48.13 | 74.00 | -25.87 | Vertical |
| 4874.00 | 46.17 | 36.32 | 6.85 | 41.84 | 47.50 | 74.00 | -26.50 | Horizontal |
| Test mode: 802.11g | | | Test channel: Middle | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 36.20 | 36.32 | 6.85 | 41.84 | 37.53 | 54.00 | -16.47 | Vertical |
| 4874.00 | 36.52 | 36.32 | 6.85 | 41.84 | 37.85 | 54.00 | -16.15 | Horizontal |

| Test mode: 802.11g | | | Test channel: Highest | | | Remark: Peak | | |
|--------------------|-------------------|-----------------------|-----------------------|--------------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4924.00 | 46.90 | 36.58 | 6.89 | 41.86 | 48.51 | 74.00 | -25.49 | Vertical |
| 4924.00 | 46.35 | 36.58 | 6.89 | 41.86 | 47.96 | 74.00 | -26.04 | Horizontal |
| Test mode: 802.11g | | | Test channel: Highest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4924.00 | 36.85 | 36.58 | 6.89 | 41.86 | 38.46 | 54.00 | -15.54 | Vertical |
| 4924.00 | 36.15 | 36.58 | 6.89 | 41.86 | 37.76 | 54.00 | -16.24 | Horizontal |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

MIMO Antenna:

| Test mode: 802.11n(H20) | | | Test channel: Lowest | | | Remark: Peak | | |
|-------------------------|-------------------|-----------------------|----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4824.00 | 46.68 | 36.06 | 6.81 | 41.82 | 47.73 | 74.00 | -26.27 | Vertical |
| 4824.00 | 47.11 | 36.06 | 6.81 | 41.82 | 48.16 | 74.00 | -25.84 | Horizontal |
| Test mode: 802.11n(H20) | | | Test channel: Lowest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4824.00 | 36.47 | 36.06 | 6.81 | 41.82 | 37.52 | 54.00 | -16.48 | Vertical |
| 4824.00 | 37.13 | 36.06 | 6.81 | 41.82 | 38.18 | 54.00 | -15.82 | Horizontal |

| Test mode: 802.11n(H20) | | | Test channel: Middle | | | Remark: Peak | | |
|-------------------------|-------------------|-----------------------|----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 46.47 | 36.32 | 6.85 | 41.84 | 47.80 | 74.00 | -26.20 | Vertical |
| 4874.00 | 46.21 | 36.32 | 6.85 | 41.84 | 47.54 | 74.00 | -26.46 | Horizontal |
| Test mode: 802.11n(H20) | | | Test channel: Middle | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 36.49 | 36.32 | 6.85 | 41.84 | 37.82 | 54.00 | -16.18 | Vertical |
| 4874.00 | 36.54 | 36.32 | 6.85 | 41.84 | 37.87 | 54.00 | -16.13 | Horizontal |

| Test mode: 802.11n(H20) | | | Test channel: Highest | | | Remark: Peak | | |
|-------------------------|-------------------|-----------------------|-----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4924.00 | 47.46 | 36.58 | 6.89 | 41.86 | 49.07 | 74.00 | -24.93 | Vertical |
| 4924.00 | 46.85 | 36.58 | 6.89 | 41.86 | 48.46 | 74.00 | -25.54 | Horizontal |
| Test mode: 802.11n(H20) | | | Test channel: Highest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4924.00 | 37.03 | 36.58 | 6.89 | 41.86 | 38.64 | 54.00 | -15.36 | Vertical |
| 4924.00 | 36.15 | 36.58 | 6.89 | 41.86 | 37.76 | 54.00 | -16.24 | Horizontal |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamp Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

| Test mode: 802.11n(H40) | | | Test channel: Lowest | | | Remark: Peak | | |
|-------------------------|-------------------|-----------------------|----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4844.00 | 46.68 | 36.06 | 6.81 | 41.82 | 47.73 | 74.00 | -26.27 | Vertical |
| 4844.00 | 46.46 | 36.06 | 6.81 | 41.82 | 47.51 | 74.00 | -26.49 | Horizontal |
| Test mode: 802.11n(H40) | | | Test channel: Lowest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4844.00 | 36.33 | 36.06 | 6.81 | 41.82 | 37.38 | 54.00 | -16.62 | Vertical |
| 4844.00 | 36.59 | 36.06 | 6.81 | 41.82 | 37.64 | 54.00 | -16.37 | Horizontal |

| Test mode: 802.11n(H40) | | | Test channel: Middle | | | Remark: Peak | | |
|-------------------------|-------------------|-----------------------|----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 46.92 | 36.32 | 6.85 | 41.84 | 48.25 | 74.00 | -25.75 | Vertical |
| 4874.00 | 46.58 | 36.32 | 6.85 | 41.84 | 47.91 | 74.00 | -26.09 | Horizontal |
| Test mode: 802.11n(H40) | | | Test channel: Middle | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4874.00 | 36.47 | 36.32 | 6.85 | 41.84 | 37.80 | 54.00 | -16.20 | Vertical |
| 4874.00 | 36.14 | 36.32 | 6.85 | 41.84 | 37.47 | 54.00 | -16.53 | Horizontal |

| Test mode: 802.11n(H40) | | | Test channel: Highest | | | Remark: Peak | | |
|-------------------------|-------------------|-----------------------|-----------------------|--------------------|----------------|---------------------|-----------------|------------|
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4904.00 | 46.31 | 36.45 | 6.87 | 41.85 | 47.78 | 74.00 | -26.22 | Vertical |
| 4904.00 | 46.15 | 36.45 | 6.87 | 41.85 | 47.62 | 74.00 | -26.38 | Horizontal |
| Test mode: 802.11n(H40) | | | Test channel: Highest | | | Remark: Average | | |
| Frequency (MHz) | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polar. |
| 4904.00 | 36.12 | 36.45 | 6.87 | 41.85 | 37.59 | 54.00 | -16.41 | Vertical |
| 4904.00 | 36.29 | 36.45 | 6.87 | 41.85 | 37.76 | 54.00 | -16.24 | Horizontal |

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamp Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report