

# FCC AND ISCED CERTIFICATION TEST REPORT

## FOR

|                      |   |                                                                                                               |
|----------------------|---|---------------------------------------------------------------------------------------------------------------|
| Applicant            | : | Ruijie Networks Co., Ltd.                                                                                     |
| Address              | : | Building 19, Juyuanzhou Industrial Park, No. 618<br>Jinshan Road, Cangshan District, Fuzhou, Fujian,<br>China |
| Equipment under Test | : | Wireless Access Point                                                                                         |
| Model No.            | : | RG-RAP73HD                                                                                                    |
| Trade Mark           | : |                           |
| FCC ID               | : | 2AX5J-RAP73HD                                                                                                 |
| IC                   | : | 27676-RAP73HD                                                                                                 |
| Manufacturer         | : | Ruijie Networks Co., Ltd.                                                                                     |
| Address              | : | Building 19, Juyuanzhou Industrial Park, No. 618<br>Jinshan Road, Cangshan District, Fuzhou, Fujian,<br>China |

**Issued By: Dongguan Dongdian Testing Service Co., Ltd.**

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# REPORT

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## Test Report Declare

|                             |   |                                                                                                         |
|-----------------------------|---|---------------------------------------------------------------------------------------------------------|
| <b>Applicant</b>            | : | Ruijie Networks Co., Ltd.                                                                               |
| <b>Address</b>              | : | Building 19, Juyuanzhou Industrial Park, No. 618 Jinshan Road, Cangshan District, Fuzhou, Fujian, China |
| <b>Equipment under Test</b> | : | Wireless Access Point                                                                                   |
| <b>Model No</b>             | : | RG-RAP73HD                                                                                              |
| <b>Trade Mark</b>           | : |                       |
| <b>Manufacturer</b>         | : | Ruijie Networks Co., Ltd.                                                                               |
| <b>Address</b>              | : | Building 19, Juyuanzhou Industrial Park, No. 618 Jinshan Road, Cangshan District, Fuzhou, Fujian, China |

### Test Standard Used:

FCC Rules and Regulations Part 15 Subpart E, RSS-247 Issue 2 February 2017.

**Test procedure used:** ANSI C63.10:2013, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01, RSS-Gen Issue 5 April 2018

### We Declare:

The equipment described above is tested by Dongguan Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

**After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC&ISED standards.**

|                         |                     |                      |                               |
|-------------------------|---------------------|----------------------|-------------------------------|
| <b>Report No:</b>       | DDT-RE23032214-2E02 |                      |                               |
| <b>Date of Receipt:</b> | Mar. 07, 2023       | <b>Date of Test:</b> | Mar. 07, 2023 ~ Jul. 05, 2023 |

**Prepared By:**

*Ella Gong*

**Ella Gong /Engineer**

**Approved By:**



**Damon Hu/EMC Manager**

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

## Revision History

| Rev. | Revisions     | Issue Date    | Revised By |
|------|---------------|---------------|------------|
| ---  | Initial issue | Jul. 05, 2023 |            |
|      |               |               |            |

## 1. Summary of Test Results

| The EUT have been tested according to the applicable standards as referenced below. |                                                                                                               |                                                        |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Description of Test Item                                                            | Standard                                                                                                      | Results                                                |
| 6/26db Bandwidth and 99% Bandwidth                                                  | FCC 15.407 (e)<br>RSS-247 Clause 6.2<br>RSS-GEN Clause 6.7                                                    | PASS                                                   |
| Maximum Conducted Output Power                                                      | FCC 15.407 (a)<br>RSS-247 Clause 6.2                                                                          | PASS                                                   |
| Power Spectral Density                                                              | FCC 15.407 (a)<br>RSS-247 Clause 6.2                                                                          | PASS                                                   |
| Frequency Stability Measurement                                                     | FCC 15.407 (g)<br>RSS-247 Clause 6.2<br>RSS-GEN Clause 8.9                                                    | PASS                                                   |
| Emissions in restricted frequency bands                                             | FCC 15.407 (b)<br>FCC 15.209<br>FCC 15.205<br>RSS-247 Clause 6.2<br>RSS-GEN Clause 8.9<br>RSS-GEN Clause 8.10 | PASS                                                   |
| Band Edge Compliance                                                                | FCC 15.407 (b)<br>FCC 15.209<br>FCC 15.205<br>RSS-247 Clause 6.2<br>RSS-GEN Clause 8.9<br>RSS-GEN Clause 8.10 | PASS                                                   |
| Power Line Conducted Emission                                                       | FCC 15.207<br>RSS-GEN Clause 8.8                                                                              | PASS                                                   |
| Antenna requirement                                                                 | FCC 15.203<br>RSS-GEN Clause 6.8                                                                              | PASS                                                   |
| Dynamic Frequency Selection                                                         | FCC 15.407 (h)<br>RSS-247 Clause 6.8                                                                          | PASS<br>Refer to report<br>DDT-<br>RE23032214-<br>2E03 |

## 2. General Test Information

### 2.1. Description of EUT

|                          |                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT* Name                | : Wireless Access Point                                                                                                                                                                                                                                                                                                 |
| Model Number             | : RG-RAP73HD                                                                                                                                                                                                                                                                                                            |
| EUT function description | : Please reference user manual of this device                                                                                                                                                                                                                                                                           |
| Power Supply             | : DC 48V from external adapter /POE                                                                                                                                                                                                                                                                                     |
| Radio Technology         | : IEEE 802.11a/n/ac/ax/be                                                                                                                                                                                                                                                                                               |
| Operation frequency      | : U-NII-1: 5150 MHz ~ 5250 MHz<br>U-NI-2A: 5250 MHz ~ 5350 MHz<br>U-NI-2C: 5470 MHz ~ 5725 MHz<br>U-NII-3: 5725 MHz ~ 5850 MHz                                                                                                                                                                                          |
| Modulation               | : IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11ax: OFDM, OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11be: OFDM, OFDMA (4096QAM, 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK) |
| Sample Number            | : S23032214-02 for conductive test,<br>S23032214-03 for radiation test                                                                                                                                                                                                                                                  |

Note 1: EUT is the ab. of equipment under test.

Note 2: Band 5600-5650MHz will be disabled when shipped to Canada.

| Antenna information           |           |           |           |           |                                    |                            |       |
|-------------------------------|-----------|-----------|-----------|-----------|------------------------------------|----------------------------|-------|
| /                             | Antenna 1 | Antenna 2 | Antenna 3 | Antenna 4 | Beamforming Directional Gain (dBi) | CDD Directional Gain (dBi) |       |
| Antenna Type                  | PIFA      | PIFA      | PIFA      | PIFA      |                                    | Power                      | PSD   |
| U-NII-1 Maximum PK gain(dBi)  | 4.81      | 7.46      | 4.40      | 5.75      | 13.48                              | 7.46                       | 13.48 |
| U-NII-2A Maximum PK gain(dBi) | 4.54      | 7.35      | 4.40      | 6.58      | 13.37                              | 7.35                       | 13.37 |
| U-NII-2C Maximum PK gain(dBi) | 4.28      | 8.20      | 5.06      | 8.46      | 14.48                              | 8.20                       | 14.48 |
| U-NII-3 Maximum PK gain(dBi)  | 3.71      | 8.45      | 4.55      | 7.30      | 14.47                              | 8.45                       | 14.47 |

Note:

The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

Directional gain =  $G_{ANT} + \text{Array Gain}$ , where Array Gain is as follows:

1) For power spectral density (PSD) measurements on all devices.

Array Gain =  $10 \log (N_{ANT} / N_{SS})$  dB;

2) For power measurements on IEEE 802.11 devices.

Array Gain = 0 dB for  $N_{ANT} < 4$ ;

The EUT also supports beamforming mode, and the beamforming support 802.11n/ac/ax/be

only, not include 802.11a/b/g. BF Directional Gain = Max. Gain + 10 log ( $N_{ANT} / N_{SS}$ ).

For beamforming operation, manufacturer automatically backs power down based on a 10log ( $N_{ANT}$ ) factor based on CDD power, Therefore, only the CDD mode was evaluated in this report.

| Channel information                                                                                          |                 |                                                                                               |                 |                                                                        |                 |                                                                           |                 |
|--------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------|-----------------|
| IEEE 802.11a<br>IEEE 802.11n (HT20)<br>IEEE 802.11ac (VHT20)<br>IEEE 802.11ax (HE20)<br>IEEE 802.11be(EHT20) |                 | IEEE 802.11n (HT40)<br>IEEE 802.11ac (VHT40)<br>IEEE 802.11ax (HE40)<br>IEEE 802.11be (EHT40) |                 | IEEE 802.11ac (VHT80)<br>IEEE 802.11ax (HE80)<br>IEEE 802.11be (EHT80) |                 | IEEE 802.11ac (VHT160)<br>IEEE 802.11ax (HE160)<br>IEEE 802.11be (EHT160) |                 |
| UNII-1                                                                                                       |                 |                                                                                               |                 |                                                                        |                 |                                                                           |                 |
| CH                                                                                                           | Frequency (MHz) | CH                                                                                            | Frequency (MHz) | CH                                                                     | Frequency (MHz) | CH                                                                        | Frequency (MHz) |
| 36                                                                                                           | 5180            | 38                                                                                            | 5190            | 42                                                                     | 5210            | 50                                                                        | 5250 (Straddle) |
| 40                                                                                                           | 5200            | 46                                                                                            | 5230            | /                                                                      | /               | /                                                                         | /               |
| 44                                                                                                           | 5220            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| 48                                                                                                           | 5240            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| UNII-2A                                                                                                      |                 |                                                                                               |                 |                                                                        |                 |                                                                           |                 |
| 52                                                                                                           | 5260            | 54                                                                                            | 5270            | 58                                                                     | 5290            | 114                                                                       | 5570            |
| 56                                                                                                           | 5280            | 62                                                                                            | 5310            | /                                                                      | /               | /                                                                         | /               |
| 60                                                                                                           | 5300            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| 64                                                                                                           | 5320            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| UNII-2C                                                                                                      |                 |                                                                                               |                 |                                                                        |                 |                                                                           |                 |
| 100                                                                                                          | 5500            | 102                                                                                           | 5510            | 106                                                                    | 5530            | /                                                                         | /               |
| 104                                                                                                          | 5520            | 110                                                                                           | 5550            | 122                                                                    | 5610            | /                                                                         | /               |
| 108                                                                                                          | 5540            | 118                                                                                           | 5590            | 138                                                                    | 5690 (Straddle) | /                                                                         | /               |
| 112                                                                                                          | 5560            | 126                                                                                           | 5630            | /                                                                      | /               | /                                                                         | /               |
| 116                                                                                                          | 5580            | 134                                                                                           | 5670            | /                                                                      | /               | /                                                                         | /               |
| 120                                                                                                          | 5600            | 142                                                                                           | 5710 (Straddle) | /                                                                      | /               | /                                                                         | /               |
| 124                                                                                                          | 5620            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| 128                                                                                                          | 5640            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| 132                                                                                                          | 5660            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| 136                                                                                                          | 5680            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| 140                                                                                                          | 5700            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| 144                                                                                                          | 5720 (Straddle) |                                                                                               |                 |                                                                        |                 |                                                                           |                 |
| UNII-3                                                                                                       |                 |                                                                                               |                 |                                                                        |                 |                                                                           |                 |
| 149                                                                                                          | 5745            | 151                                                                                           | 5755            | 155                                                                    | 5725            | /                                                                         | /               |
| 153                                                                                                          | 5765            | 159                                                                                           | 5795            | /                                                                      | /               | /                                                                         | /               |
| 157                                                                                                          | 5785            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| 161                                                                                                          | 5805            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |
| 165                                                                                                          | 5825            | /                                                                                             | /               | /                                                                      | /               | /                                                                         | /               |

Note:

1. For 802.11ax/be 20/40/80/160MHz and 802.11be EHT20/EHT40/ EHT80/ EHT160MHz mode, the whole testing has assessed only the worst case refer to output power.
2. For WLAN SISO & MMO mode, the whole testing has assessed only MIMO mode by referring to the higher normal conducted power.

3. 802.11 ax only support full RU mode
4. 802.11be support full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH), small size RU, Large size RU and Puncturing modes are tested for conducted power/PSD, the Channel Mask/RSE/ Bandwidth Emission test for full RU only.
5. 802.11be support small size RU, Large size RU and Puncturing modes as below:



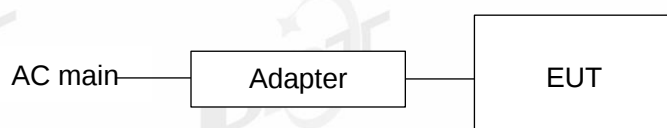
## 2.2. Accessories of EUT

| Description of Accessories | Manufacturer                           | Model number    | Other                                                              |
|----------------------------|----------------------------------------|-----------------|--------------------------------------------------------------------|
| POE Power Supply           | RISUNIC Technology (ShenZhen) Co., Ltd | RP026-5601080YX | Input: 100-240~50/60Hz, 1.5A Max<br>Output: DC 56.0V/1.08A, 60.48W |

## 2.3. Assistant equipment used for test

| Assistant equipment | Manufacturer | Model number | EMC Compliance | SN  |
|---------------------|--------------|--------------|----------------|-----|
| N/A                 | N/A          | N/A          | N/A            | N/A |

## 2.4. Block diagram of EUT configuration for test



Test software: MT7990 QA 0.0.2.94

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

The pathloss of external cable: 2 dB (According to the manufacturer's claims)

| Tested mode, channel, and data rate information |                  |                                |                 |                    |
|-------------------------------------------------|------------------|--------------------------------|-----------------|--------------------|
| Mode                                            | Setting Tx Power | data rate (Mbps)<br>(see Note) | Channel         | Frequency<br>(MHz) |
| IEEE 802.11a                                    | 0                | 6                              | Low: CH36       | 5180               |
|                                                 | 0                | 6                              | Middle: CH40    | 5200               |
|                                                 | 0                | 6                              | High: CH48      | 5240               |
|                                                 | 6                | 6                              | Low: CH52       | 5260               |
|                                                 | 6                | 6                              | Middle: CH56    | 5280               |
|                                                 | 6                | 6                              | High: CH64      | 5320               |
|                                                 | 6                | 6                              | Low: CH100      | 5500               |
|                                                 | 6                | 6                              | Middle: CH116   | 5580               |
|                                                 | 6                | 6                              | High: CH140     | 5700               |
|                                                 | 6                | 6                              | Straddle: CH144 | 5720               |
|                                                 | 13               | 6                              | Low: CH149      | 5745               |
|                                                 | 13               | 6                              | Middle: CH157   | 5785               |
|                                                 | 13               | 6                              | High: CH165     | 5825               |
| IEEE 802.11n HT20                               | 0                | MCS 24                         | Low: CH36       | 5180               |
|                                                 | 0                | MCS 24                         | Middle: CH40    | 5200               |
|                                                 | 0                | MCS 24                         | High: CH48      | 5240               |
|                                                 | 6                | MCS 24                         | Low: CH52       | 5260               |
|                                                 | 6                | MCS 24                         | Middle: CH56    | 5280               |
|                                                 | 6                | MCS 24                         | High: CH64      | 5320               |
|                                                 | 6                | MCS 24                         | Low: CH100      | 5500               |
|                                                 | 6                | MCS 24                         | Middle: CH116   | 5580               |
|                                                 | 6                | MCS 24                         | High: CH140     | 5700               |
|                                                 | 6                | MCS 24                         | Straddle: CH144 | 5720               |
|                                                 | 13               | MCS 24                         | Low: CH149      | 5745               |
|                                                 | 13               | MCS 24                         | Middle: CH157   | 5785               |
|                                                 | 13               | MCS 24                         | High: CH165     | 5825               |
| IEEE 802.11n HT40                               | 1                | MCS 24                         | Low: CH38       | 5190               |
|                                                 | 1                | MCS 24                         | Middle: CH46    | 5230               |
|                                                 | 6                | MCS 24                         | High: CH54      | 5270               |
|                                                 | 6                | MCS 24                         | Low: CH62       | 5310               |
|                                                 | 6                | MCS 24                         | Middle: CH102   | 5510               |
|                                                 | 6                | MCS 24                         | High: CH110     | 5550               |
|                                                 | 6                | MCS 24                         | Low: CH134      | 5670               |
|                                                 | 6                | MCS 24                         | Straddle: CH142 | 5710               |
|                                                 | 15               | MCS 24                         | Middle: CH151   | 5755               |
|                                                 | 15               | MCS 24                         | High: CH159     | 5795               |
| IEEE 802.11 ac VHT20                            | 0                | MCS 0                          | Low: CH36       | 5180               |
|                                                 | 0                | MCS 0                          | Middle: CH40    | 5200               |
|                                                 | 0                | MCS 0                          | High: CH48      | 5240               |
|                                                 | 6                | MCS 0                          | Low: CH52       | 5260               |
|                                                 | 6                | MCS 0                          | Middle: CH56    | 5280               |
|                                                 | 6                | MCS 0                          | High: CH64      | 5320               |
|                                                 | 6                | MCS 0                          | Low: CH100      | 5500               |
|                                                 | 6                | MCS 0                          | Middle: CH116   | 5580               |
|                                                 | 6                | MCS 0                          | High: CH140     | 5700               |
|                                                 | 6                | MCS 0                          | Straddle: CH144 | 5720               |
|                                                 | 13               | MCS 0                          | Low: CH149      | 5745               |

|                            |    |       |                 |      |
|----------------------------|----|-------|-----------------|------|
|                            | 13 | MCS 0 | Middle: CH157   | 5785 |
|                            | 13 | MCS 0 | High: CH165     | 5825 |
| IEEE<br>802.11ac<br>VHT40  | 1  | MCS 0 | Low: CH38       | 5190 |
|                            | 1  | MCS 0 | Middle: CH46    | 5230 |
|                            | 6  | MCS 0 | High: CH54      | 5270 |
|                            | 6  | MCS 0 | Low: CH62       | 5310 |
|                            | 6  | MCS 0 | Middle: CH102   | 5510 |
|                            | 6  | MCS 0 | High: CH110     | 5550 |
|                            | 6  | MCS 0 | Low: CH134      | 5670 |
|                            | 6  | MCS 0 | Straddle: CH142 | 5710 |
|                            | 12 | MCS 0 | Middle: CH151   | 5755 |
|                            | 12 | MCS 0 | High: CH159     | 5795 |
|                            |    |       |                 |      |
| IEEE<br>802.11ac<br>VHT80  | 4  | MCS 0 | CH42            | 5210 |
|                            | 10 | MCS 0 | CH58            | 5290 |
|                            | 10 | MCS 0 | CH106           | 5530 |
|                            | 10 | MCS 0 | CH122           | 5610 |
|                            | 10 | MCS 0 | Straddle: CH138 | 5690 |
|                            | 10 | MCS 0 | CH155           | 5775 |
| IEEE<br>802.11ac<br>VHT160 | 1  | MCS 0 | Straddle: CH50  | 5250 |
|                            | 6  | MCS 0 | CH114           | 5570 |
| IEEE<br>802.11ax<br>HE20   | 0  | MCS 0 | Low: CH36       | 5180 |
|                            | 0  | MCS 0 | Middle: CH40    | 5200 |
|                            | 0  | MCS 0 | High: CH48      | 5240 |
|                            | 6  | MCS 0 | Low: CH52       | 5260 |
|                            | 6  | MCS 0 | Middle: CH56    | 5280 |
|                            | 6  | MCS 0 | High: CH64      | 5320 |
|                            | 6  | MCS 0 | Low: CH100      | 5500 |
|                            | 6  | MCS 0 | Middle: CH116   | 5580 |
|                            | 6  | MCS 0 | High: CH140     | 5700 |
|                            | 6  | MCS 0 | Straddle: CH144 | 5720 |
|                            | 13 | MCS 0 | Low: CH149      | 5745 |
|                            | 13 | MCS 0 | Middle: CH157   | 5785 |
|                            | 13 | MCS 0 | High: CH165     | 5825 |
|                            |    |       |                 |      |
| IEEE<br>802.11ax<br>HE40   | 1  | MCS 0 | Low: CH38       | 5190 |
|                            | 1  | MCS 0 | Middle: CH46    | 5230 |
|                            | 6  | MCS 0 | High: CH54      | 5270 |
|                            | 6  | MCS 0 | Low: CH62       | 5310 |
|                            | 6  | MCS 0 | Middle: CH102   | 5510 |
|                            | 6  | MCS 0 | High: CH110     | 5550 |
|                            | 6  | MCS 0 | Low: CH134      | 5670 |
|                            | 6  | MCS 0 | Straddle: CH142 | 5710 |
|                            | 12 | MCS 0 | Middle: CH151   | 5755 |
|                            | 12 | MCS 0 | High: CH159     | 5795 |
| IEEE<br>802.11ax<br>HE80   | 4  | MCS 0 | CH42            | 5210 |
|                            | 6  | MCS 0 | CH58            | 5290 |
|                            | 6  | MCS 0 | CH106           | 5530 |
|                            | 6  | MCS 0 | CH122           | 5610 |
|                            | 6  | MCS 0 | Straddle: CH138 | 5690 |
|                            | 10 | MCS 0 | CH155           | 5775 |
| IEEE                       | 1  | MCS 0 | Straddle: CH50  | 5250 |

|                                                                                                                                     |    |       |                 |      |
|-------------------------------------------------------------------------------------------------------------------------------------|----|-------|-----------------|------|
| 802.11ax<br>HE160                                                                                                                   | 7  | MCS 0 | CH114           | 5570 |
| IEEE<br>802.11be<br>EHT20                                                                                                           | 0  | MCS 0 | Low: CH36       | 5180 |
|                                                                                                                                     | 0  | MCS 0 | Middle: CH40    | 5200 |
|                                                                                                                                     | 0  | MCS 0 | High: CH48      | 5240 |
|                                                                                                                                     | 6  | MCS 0 | Low: CH52       | 5260 |
|                                                                                                                                     | 6  | MCS 0 | Middle: CH56    | 5280 |
|                                                                                                                                     | 6  | MCS 0 | High: CH64      | 5320 |
|                                                                                                                                     | 6  | MCS 0 | Low: CH100      | 5500 |
|                                                                                                                                     | 6  | MCS 0 | Middle: CH116   | 5580 |
|                                                                                                                                     | 6  | MCS 0 | High: CH140     | 5700 |
|                                                                                                                                     | 6  | MCS 0 | Straddle: CH144 | 5720 |
|                                                                                                                                     | 13 | MCS 0 | Low: CH149      | 5745 |
|                                                                                                                                     | 13 | MCS 0 | Middle: CH157   | 5785 |
|                                                                                                                                     | 13 | MCS 0 | High: CH165     | 5825 |
| IEEE<br>802.11be<br>EHT40                                                                                                           | 1  | MCS 0 | Low: CH38       | 5190 |
|                                                                                                                                     | 1  | MCS 0 | Middle: CH46    | 5230 |
|                                                                                                                                     | 6  | MCS 0 | High: CH54      | 5270 |
|                                                                                                                                     | 6  | MCS 0 | Low: CH62       | 5310 |
|                                                                                                                                     | 6  | MCS 0 | Middle: CH102   | 5510 |
|                                                                                                                                     | 6  | MCS 0 | High: CH110     | 5550 |
|                                                                                                                                     | 6  | MCS 0 | Low: CH134      | 5670 |
|                                                                                                                                     | 6  | MCS 0 | Straddle: CH142 | 5710 |
|                                                                                                                                     | 12 | MCS 0 | Middle: CH151   | 5755 |
|                                                                                                                                     | 12 | MCS 0 | High: CH159     | 5795 |
| IEEE<br>802.11be<br>EHT80                                                                                                           | 4  | MCS 0 | CH42            | 5210 |
|                                                                                                                                     | 6  | MCS 0 | CH58            | 5290 |
|                                                                                                                                     | 6  | MCS 0 | CH106           | 5530 |
|                                                                                                                                     | 6  | MCS 0 | CH122           | 5610 |
|                                                                                                                                     | 6  | MCS 0 | Straddle: CH138 | 5690 |
|                                                                                                                                     | 10 | MCS 0 | CH155           | 5775 |
| IEEE<br>802.11be<br>EHT160                                                                                                          | 1  | MCS 0 | Straddle: CH50  | 5250 |
|                                                                                                                                     | 7  | MCS 0 | CH114           | 5570 |
| Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test. |    |       |                 |      |

## 2.5. Deviations of test standard

No Deviation.

## 2.6. Test environment conditions

|                    |                  |
|--------------------|------------------|
| Temperature range: | +15℃ to +35 ℃    |
| Humidity range:    | 20% to 75%       |
| Pressure range:    | 86 kPa to106 kPa |

## 2.7. Test laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City,  
Guangdong Province, China, 523808

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: [ddt@dgddt.com](mailto:ddt@dgddt.com)

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

**2.8. Measurement uncertainty**

| Test Item                                                                                                                                     | Uncertainty                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Bandwidth                                                                                                                                     | 1.1%                                                                                                           |
| Peak Output Power (Conducted) (Spectrum analyzer)                                                                                             | 0.86 dB (10 MHz $\leq$ f < 3.6 GHz);<br>1.38 dB (3.6 GHz $\leq$ f < 8 GHz)                                     |
| Peak Output Power (Conducted) (Power Sensor)                                                                                                  | 0.74 dB                                                                                                        |
| Power Spectral Density                                                                                                                        | 0.74 dB (10 MHz $\leq$ f < 3.6 GHz);<br>1.38 dB (3.6 GHz $\leq$ f < 8 GHz)                                     |
| Frequencies Stability                                                                                                                         | 6.7 $\times 10^{-8}$ (Antenna couple method)<br>5.5 $\times 10^{-8}$ (Conducted method)                        |
| Conducted spurious emissions                                                                                                                  | 0.86 dB (10 MHz $\leq$ f < 3.6GHz);<br>1.40 dB (3.6 GHz $\leq$ f < 8 GHz)<br>1.66 dB (8 GHz $\leq$ f < 22 GHz) |
| Uncertainty for radio frequency (RBW<20kHz)                                                                                                   | 3 $\times 10^{-8}$                                                                                             |
| Temperature                                                                                                                                   | 0.4℃                                                                                                           |
| Humidity                                                                                                                                      | 2%                                                                                                             |
| Uncertainty for Radiation Emission test<br>(9 kHz – 30 MHz)                                                                                   | 3.44 dB                                                                                                        |
| Uncertainty for Radiation Emission test<br>(30MHz-1GHz)                                                                                       | 4.70 dB (Antenna Polarize: V)<br>4.84 dB (Antenna Polarize: H)                                                 |
| Uncertainty for Radiation Emission test<br>(1GHz-40GHz)                                                                                       | 4.10 dB (1-6 GHz)<br>4.40 dB (6 GHz-18 GHz)<br>3.54 dB (18 GHz-26 GHz)<br>4.30 dB (26 GHz-40 GHz)              |
| Uncertainty for Power line conduction emission test                                                                                           | 3.32 dB (150 kHz-30 MHz)                                                                                       |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. |                                                                                                                |

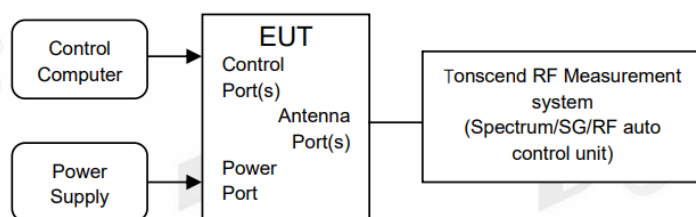
### 3. Equipment Used During Test

| Equipment                                                     | Manufacturer    | Model No.                                                           | Serial No.        | Last Cal.                     | Cal. Interval |
|---------------------------------------------------------------|-----------------|---------------------------------------------------------------------|-------------------|-------------------------------|---------------|
| <b>☑RF Connected Test (Tonscend RF Measurement System 4#)</b> |                 |                                                                     |                   |                               |               |
| Signal & Spectrum analyzer                                    | R&S             | FSV3044                                                             | 101173            | May 26, 2022<br>Apr. 23, 2023 | 1 Year        |
| Wideband Radio Communication tester                           | R&S             | CMW500                                                              | 120259            | May 26, 2022<br>Apr. 27, 2023 | 1 Year        |
| Vector Signal Generator                                       | Agilent         | N5182A                                                              | MY48180737        | Apr. 27, 2023                 | 1 Year        |
| Vector Signal Generator                                       | Agilent         | E8267D                                                              | US49060192        | Sep. 28, 2022                 | 1 Year        |
| RF Control Unit                                               | Tonsend         | JS0806-2                                                            | 2118060485        | May 28, 2022<br>Apr. 27, 2023 | 1 Year        |
| Temp&Humi Programmable                                        | ZHIXIANG        | ZXGDJS-150L                                                         | ZX170110-A        | May 26, 2022<br>May 15, 2023  | 1 Year        |
| Test Software                                                 | JS Tonscend     | JS1120-3                                                            | Ver.3.2.22        | N/A                           | N/A           |
| <b>☑Radiation 3#chamber</b>                                   |                 |                                                                     |                   |                               |               |
| EMI Test Receiver                                             | R&S             | ESU26                                                               | 100472            | May 19, 2022<br>Apr. 23, 2023 | 1 Year        |
| Spectrum analyzer                                             | Agilent         | E4447A                                                              | MY50180031        | May 17, 2022<br>Apr. 23, 2023 | 1 Year        |
| Active Loop antenna                                           | Schwarzbeck     | FMZB-1519                                                           | 1519-038          | Sep. 29, 2022                 | 1 Year        |
| Trilog Broadband Antenna                                      | Schwarzbeck     | VULB 9163                                                           | 01429             | Jul. 22, 2022                 | 1 Year        |
| Double Ridged Horn Antenna                                    | Schwarzbeck     | BBHA9120 D                                                          | 02468             | Sep. 29, 2022                 | 1 Year        |
| Broad Band Horn Antenna                                       | Schwarzbeck     | BBHA 9170                                                           | 790               | May 06, 2022<br>Apr. 26, 2023 | 1 Year        |
| Pre-amplifier                                                 | COM-POWER       | PAM-118A                                                            | 18040084          | Aug. 17, 2022                 | 1 Year        |
| Pre-amplifier                                                 | COM-POWER       | PAM-840A                                                            | 461369            | May 26, 2022<br>Apr. 27, 2023 | 1 Year        |
| RE Cable                                                      | N/A             | W23.02 CP1-X2 + W23.09 AP1-X8+ JCT26S-NJ-NJ-1.5M+ JCT26S-NJ-NJ-1.5M | 4.5M+8M+1.5M+1.5M | Aug. 17, 2022                 | 1 Year        |
| RF Cable                                                      | Yuhu Technology | JCTB810-NJ-NJ-9M                                                    | 21123964          | May 19, 2022<br>Apr. 23, 2023 | 1 Year        |
| RF Cable                                                      | Yuhu Technology | ZT26S-SMAJ-SMAJ-1M                                                  | 21073466          | Aug. 17, 2022                 | 1 Year        |
| Micro-Tronics filters                                         | REBES           | BRM50702                                                            | G555              | N/A                           | N/A           |
| Micro-Tronics filters                                         | REBES           | BRM50716                                                            | G392              | N/A                           | N/A           |
| High Pass filter                                              | XB              | XBLBQ-GTA67                                                         | 210820-2-3        | N/A                           | N/A           |
| Test software                                                 | Tonscend        | JS32-RE                                                             | V 5.0.0.1         | N/A                           | N/A           |
| <b>☑Power Line Conducted Emissions Test 1#</b>                |                 |                                                                     |                   |                               |               |
| Test Receiver                                                 | R&S             | ESCI                                                                | 100551            | Aug. 26, 2022                 | 1 Year        |

|               |        |         |            |               |        |
|---------------|--------|---------|------------|---------------|--------|
| LISN 1        | R&S    | ENV216  | 101109     | Aug. 26, 2022 | 1 Year |
| LISN 2        | R&S    | ESH2-Z5 | 100309     | Aug. 26, 2022 | 1 Year |
| Pulse Limiter | R&S    | ESH3-Z2 | 101242     | Aug. 26, 2022 | 1 Year |
| CE Cable 1    | HUBSER | N/A     | W10.01     | Aug. 26, 2022 | 1 Year |
| Test software | Audix  | E3      | V 6.11111b | N/A           | N/A    |
| Test Receiver | R&S    | ESCI    | 100551     | Aug. 26, 2022 | 1 Year |

## 4. 26dB Bandwidth

### 4.1. Block diagram of test setup



### 4.2. Limits

| FCC Part15, Subpart E/ RSS-247 |       |                                    |
|--------------------------------|-------|------------------------------------|
| Test Item                      | Limit | Frequency Range (MHz)              |
| 26 dB Bandwidth                | ---   | 5150 - 5250                        |
|                                | ---   | 5250 - 5350                        |
|                                | ---   | For FCC: 5470 - 5725               |
|                                | ---   | For IC: 5470 - 5600<br>5650 - 5725 |

### 4.3. Test procedure

Connect EUT's antenna output to spectrum analyzer by RF cable.

|                  |                                                |
|------------------|------------------------------------------------|
| Center Frequency | The center frequency of the channel under test |
| Detector         | Peak                                           |
| RBW              | approximately 1% of the emission bandwidth.    |
| VBW              | > RBW                                          |
| Trace            | Max hold                                       |
| Sweep            | Auto couple                                    |

Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

### 4.4. Test result

| Test Mode | Antenna | Frequency [MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|-----------------|----------------|---------|---------|------------|---------|
| 11A-CDD   | Ant1    | 5180            | 22.76          | 5169.36 | 5192.12 | ---        | ---     |
|           | Ant2    | 5180            | 26.36          | 5167.40 | 5193.76 | ---        | ---     |
|           | Ant3    | 5180            | 23.64          | 5168.68 | 5192.32 | ---        | ---     |
|           | Ant4    | 5180            | 23.28          | 5167.40 | 5190.68 | ---        | ---     |
|           | Ant1    | 5200            | 24.24          | 5188.60 | 5212.84 | ---        | ---     |
|           | Ant2    | 5200            | 23.68          | 5188.32 | 5212.00 | ---        | ---     |
|           | Ant3    | 5200            | 22.88          | 5188.64 | 5211.52 | ---        | ---     |
|           | Ant4    | 5200            | 25.72          | 5187.36 | 5213.08 | ---        | ---     |
|           | Ant1    | 5240            | 18.64          | 5230.68 | 5249.32 | ---        | ---     |
|           | Ant2    | 5240            | 18.52          | 5230.72 | 5249.24 | ---        | ---     |
|           | Ant3    | 5240            | 18.48          | 5230.72 | 5249.20 | ---        | ---     |
|           | Ant4    | 5240            | 18.60          | 5230.72 | 5249.32 | ---        | ---     |

|           |      |              |       |         |         |     |     |
|-----------|------|--------------|-------|---------|---------|-----|-----|
|           | Ant1 | 5260         | 18.56 | 5250.72 | 5269.28 | --- | --- |
|           | Ant2 | 5260         | 18.48 | 5250.76 | 5269.24 | --- | --- |
|           | Ant3 | 5260         | 18.56 | 5250.72 | 5269.28 | --- | --- |
|           | Ant4 | 5260         | 18.48 | 5250.76 | 5269.24 | --- | --- |
|           | Ant1 | 5280         | 18.60 | 5270.64 | 5289.24 | --- | --- |
|           | Ant2 | 5280         | 18.48 | 5270.76 | 5289.24 | --- | --- |
|           | Ant3 | 5280         | 18.56 | 5270.72 | 5289.28 | --- | --- |
|           | Ant4 | 5280         | 18.52 | 5270.76 | 5289.28 | --- | --- |
|           | Ant1 | 5320         | 22.36 | 5308.64 | 5331.00 | --- | --- |
|           | Ant2 | 5320         | 23.64 | 5307.68 | 5331.32 | --- | --- |
|           | Ant3 | 5320         | 24.76 | 5307.40 | 5332.16 | --- | --- |
|           | Ant4 | 5320         | 23.48 | 5308.40 | 5331.88 | --- | --- |
|           | Ant1 | 5500         | 22.64 | 5489.36 | 5512.00 | --- | --- |
|           | Ant2 | 5500         | 23.48 | 5489.40 | 5512.88 | --- | --- |
|           | Ant3 | 5500         | 24.40 | 5487.44 | 5511.84 | --- | --- |
|           | Ant4 | 5500         | 25.36 | 5487.76 | 5513.12 | --- | --- |
|           | Ant1 | 5580         | 18.60 | 5570.72 | 5589.32 | --- | --- |
|           | Ant2 | 5580         | 18.52 | 5570.72 | 5589.24 | --- | --- |
|           | Ant3 | 5580         | 18.60 | 5570.68 | 5589.28 | --- | --- |
|           | Ant4 | 5580         | 18.56 | 5570.68 | 5589.24 | --- | --- |
|           | Ant1 | 5700         | 24.72 | 5686.76 | 5711.48 | --- | --- |
|           | Ant2 | 5700         | 23.72 | 5688.48 | 5712.20 | --- | --- |
|           | Ant3 | 5700         | 24.20 | 5687.72 | 5711.92 | --- | --- |
|           | Ant4 | 5700         | 23.84 | 5687.72 | 5711.56 | --- | --- |
|           | Ant1 | 5720         | 18.56 | 5710.68 | 5729.24 | --- | --- |
|           | Ant2 | 5720         | 18.56 | 5710.72 | 5729.28 | --- | --- |
|           | Ant3 | 5720         | 18.56 | 5710.72 | 5729.28 | --- | --- |
|           | Ant4 | 5720         | 18.44 | 5710.76 | 5729.20 | --- | --- |
|           | Ant1 | 5720_UNII-2C | 14.32 | 5710.68 | 5725    | --- | --- |
|           | Ant2 | 5720_UNII-2C | 14.28 | 5710.72 | 5725    | --- | --- |
|           | Ant3 | 5720_UNII-2C | 14.28 | 5710.72 | 5725    | --- | --- |
|           | Ant4 | 5720_UNII-2C | 14.24 | 5710.76 | 5725    | --- | --- |
|           | Ant1 | 5720_UNII-3  | 4.24  | 5725    | 5729.24 | --- | --- |
|           | Ant2 | 5720_UNII-3  | 4.28  | 5725    | 5729.28 | --- | --- |
|           | Ant3 | 5720_UNII-3  | 4.28  | 5725    | 5729.28 | --- | --- |
|           | Ant4 | 5720_UNII-3  | 4.2   | 5725    | 5729.20 | --- | --- |
|           | Ant1 | 5745         | 22.92 | 5734.60 | 5757.52 | --- | --- |
|           | Ant2 | 5745         | 22.28 | 5734.56 | 5756.84 | --- | --- |
|           | Ant3 | 5745         | 22.92 | 5734.96 | 5757.88 | --- | --- |
|           | Ant4 | 5745         | 22.48 | 5734.76 | 5757.24 | --- | --- |
|           | Ant1 | 5785         | 18.32 | 5775.84 | 5794.16 | --- | --- |
|           | Ant2 | 5785         | 18.52 | 5775.72 | 5794.24 | --- | --- |
|           | Ant3 | 5785         | 18.48 | 5775.76 | 5794.24 | --- | --- |
|           | Ant4 | 5785         | 18.56 | 5775.76 | 5794.32 | --- | --- |
|           | Ant1 | 5825         | 23.52 | 5812.44 | 5835.96 | --- | --- |
|           | Ant2 | 5825         | 23.72 | 5812.40 | 5836.12 | --- | --- |
|           | Ant3 | 5825         | 24.48 | 5812.20 | 5836.68 | --- | --- |
|           | Ant4 | 5825         | 23.64 | 5812.24 | 5835.88 | --- | --- |
| 11N20MIMO | Ant1 | 5180         | 24.80 | 5168.36 | 5193.16 | --- | --- |
|           | Ant2 | 5180         | 25.96 | 5168.40 | 5194.36 | --- | --- |
|           | Ant3 | 5180         | 22.24 | 5168.44 | 5190.68 | --- | --- |
|           | Ant4 | 5180         | 24.76 | 5166.92 | 5191.68 | --- | --- |
|           | Ant1 | 5200         | 22.80 | 5188.60 | 5211.40 | --- | --- |
|           | Ant2 | 5200         | 24.96 | 5186.52 | 5211.48 | --- | --- |
|           | Ant3 | 5200         | 22.88 | 5188.72 | 5211.60 | --- | --- |
|           | Ant4 | 5200         | 22.84 | 5187.56 | 5210.40 | --- | --- |
|           | Ant1 | 5240         | 19.04 | 5230.48 | 5249.52 | --- | --- |
|           | Ant2 | 5240         | 19.04 | 5230.48 | 5249.52 | --- | --- |
|           | Ant3 | 5240         | 18.96 | 5230.52 | 5249.48 | --- | --- |
|           | Ant4 | 5240         | 18.96 | 5230.52 | 5249.48 | --- | --- |

|           |      |              |       |         |         |     |     |
|-----------|------|--------------|-------|---------|---------|-----|-----|
|           | Ant1 | 5260         | 19.08 | 5250.44 | 5269.52 | --- | --- |
|           | Ant2 | 5260         | 19.04 | 5250.48 | 5269.52 | --- | --- |
|           | Ant3 | 5260         | 19.04 | 5250.52 | 5269.56 | --- | --- |
|           | Ant4 | 5260         | 19.00 | 5250.52 | 5269.52 | --- | --- |
|           | Ant1 | 5280         | 19.08 | 5270.48 | 5289.56 | --- | --- |
|           | Ant2 | 5280         | 19.04 | 5270.48 | 5289.52 | --- | --- |
|           | Ant3 | 5280         | 19.00 | 5270.48 | 5289.48 | --- | --- |
|           | Ant4 | 5280         | 19.00 | 5270.52 | 5289.52 | --- | --- |
|           | Ant1 | 5320         | 23.96 | 5309.08 | 5333.04 | --- | --- |
|           | Ant2 | 5320         | 26.76 | 5305.84 | 5332.60 | --- | --- |
|           | Ant3 | 5320         | 25.32 | 5306.48 | 5331.80 | --- | --- |
|           | Ant4 | 5320         | 22.16 | 5308.84 | 5331.00 | --- | --- |
|           | Ant1 | 5500         | 23.24 | 5489.28 | 5512.52 | --- | --- |
|           | Ant2 | 5500         | 24.52 | 5488.08 | 5512.60 | --- | --- |
|           | Ant3 | 5500         | 23.64 | 5488.72 | 5512.36 | --- | --- |
|           | Ant4 | 5500         | 23.24 | 5488.72 | 5511.96 | --- | --- |
|           | Ant1 | 5580         | 19.08 | 5570.44 | 5589.52 | --- | --- |
|           | Ant2 | 5580         | 18.96 | 5570.52 | 5589.48 | --- | --- |
|           | Ant3 | 5580         | 19.04 | 5570.48 | 5589.52 | --- | --- |
|           | Ant4 | 5580         | 19.04 | 5570.48 | 5589.52 | --- | --- |
|           | Ant1 | 5700         | 23.16 | 5687.80 | 5710.96 | --- | --- |
|           | Ant2 | 5700         | 23.84 | 5687.80 | 5711.64 | --- | --- |
|           | Ant3 | 5700         | 22.96 | 5688.12 | 5711.08 | --- | --- |
|           | Ant4 | 5700         | 22.60 | 5688.44 | 5711.04 | --- | --- |
|           | Ant1 | 5720         | 19.08 | 5710.48 | 5729.56 | --- | --- |
|           | Ant2 | 5720         | 19.00 | 5710.48 | 5729.48 | --- | --- |
|           | Ant3 | 5720         | 19.00 | 5710.48 | 5729.48 | --- | --- |
|           | Ant4 | 5720         | 19.08 | 5710.48 | 5729.56 | --- | --- |
|           | Ant1 | 5720_UNII-2C | 14.52 | 5710.48 | 5725    | --- | --- |
|           | Ant2 | 5720_UNII-2C | 14.52 | 5710.48 | 5725    | --- | --- |
|           | Ant3 | 5720_UNII-2C | 14.52 | 5710.48 | 5725    | --- | --- |
|           | Ant4 | 5720_UNII-2C | 14.52 | 5710.48 | 5725    | --- | --- |
|           | Ant1 | 5720_UNII-3  | 4.56  | 5725    | 5729.56 | --- | --- |
|           | Ant2 | 5720_UNII-3  | 4.48  | 5725    | 5729.48 | --- | --- |
|           | Ant3 | 5720_UNII-3  | 4.48  | 5725    | 5729.48 | --- | --- |
|           | Ant4 | 5720_UNII-3  | 4.56  | 5725    | 5729.56 | --- | --- |
|           | Ant1 | 5745         | 21.68 | 5735.32 | 5757.00 | --- | --- |
|           | Ant2 | 5745         | 22.68 | 5734.36 | 5757.04 | --- | --- |
|           | Ant3 | 5745         | 22.88 | 5735.00 | 5757.88 | --- | --- |
|           | Ant4 | 5745         | 21.80 | 5735.12 | 5756.92 | --- | --- |
|           | Ant1 | 5785         | 19.08 | 5775.48 | 5794.56 | --- | --- |
|           | Ant2 | 5785         | 19.04 | 5775.48 | 5794.52 | --- | --- |
|           | Ant3 | 5785         | 19.00 | 5775.48 | 5794.48 | --- | --- |
|           | Ant4 | 5785         | 19.04 | 5775.48 | 5794.52 | --- | --- |
|           | Ant1 | 5825         | 24.08 | 5812.76 | 5836.84 | --- | --- |
|           | Ant2 | 5825         | 26.00 | 5810.64 | 5836.64 | --- | --- |
|           | Ant3 | 5825         | 24.48 | 5812.12 | 5836.60 | --- | --- |
|           | Ant4 | 5825         | 25.80 | 5810.56 | 5836.36 | --- | --- |
| 11N40MIMO | Ant1 | 5190         | 45.04 | 5168.40 | 5213.44 | --- | --- |
|           | Ant2 | 5190         | 38.40 | 5170.80 | 5209.20 | --- | --- |
|           | Ant3 | 5190         | 39.04 | 5170.32 | 5209.36 | --- | --- |
|           | Ant4 | 5190         | 38.56 | 5170.72 | 5209.28 | --- | --- |
|           | Ant1 | 5230         | 38.64 | 5210.72 | 5249.36 | --- | --- |
|           | Ant2 | 5230         | 38.32 | 5210.80 | 5249.12 | --- | --- |
|           | Ant3 | 5230         | 38.40 | 5210.88 | 5249.28 | --- | --- |
|           | Ant4 | 5230         | 38.32 | 5210.88 | 5249.20 | --- | --- |
|           | Ant1 | 5270         | 38.56 | 5250.72 | 5289.28 | --- | --- |
|           | Ant2 | 5270         | 38.32 | 5250.88 | 5289.20 | --- | --- |
|           | Ant3 | 5270         | 38.32 | 5250.88 | 5289.20 | --- | --- |
|           | Ant4 | 5270         | 38.48 | 5250.80 | 5289.28 | --- | --- |

|            |      |              |       |         |         |     |     |
|------------|------|--------------|-------|---------|---------|-----|-----|
|            | Ant1 | 5310         | 44.56 | 5290.16 | 5334.72 | --- | --- |
|            | Ant2 | 5310         | 38.56 | 5290.72 | 5329.28 | --- | --- |
|            | Ant3 | 5310         | 42.88 | 5290.72 | 5333.60 | --- | --- |
|            | Ant4 | 5310         | 38.88 | 5290.72 | 5329.60 | --- | --- |
|            | Ant1 | 5510         | 43.12 | 5489.44 | 5532.56 | --- | --- |
|            | Ant2 | 5510         | 38.80 | 5490.88 | 5529.68 | --- | --- |
|            | Ant3 | 5510         | 38.64 | 5490.72 | 5529.36 | --- | --- |
|            | Ant4 | 5510         | 40.48 | 5490.72 | 5531.20 | --- | --- |
|            | Ant1 | 5550         | 38.56 | 5530.72 | 5569.28 | --- | --- |
|            | Ant2 | 5550         | 38.24 | 5530.88 | 5569.12 | --- | --- |
|            | Ant3 | 5550         | 38.24 | 5530.88 | 5569.12 | --- | --- |
|            | Ant4 | 5550         | 38.24 | 5530.88 | 5569.12 | --- | --- |
|            | Ant1 | 5670         | 43.28 | 5648.64 | 5691.92 | --- | --- |
|            | Ant2 | 5670         | 38.64 | 5650.72 | 5689.36 | --- | --- |
|            | Ant3 | 5670         | 42.72 | 5649.52 | 5692.24 | --- | --- |
|            | Ant4 | 5670         | 38.48 | 5650.72 | 5689.20 | --- | --- |
|            | Ant1 | 5710         | 38.64 | 5690.64 | 5729.28 | --- | --- |
|            | Ant2 | 5710         | 38.24 | 5690.88 | 5729.12 | --- | --- |
|            | Ant3 | 5710         | 38.48 | 5690.72 | 5729.20 | --- | --- |
|            | Ant4 | 5710         | 38.32 | 5690.80 | 5729.12 | --- | --- |
|            | Ant1 | 5710_UNII-2C | 34.36 | 5690.64 | 5725    | --- | --- |
|            | Ant2 | 5710_UNII-2C | 34.12 | 5690.88 | 5725    | --- | --- |
|            | Ant3 | 5710_UNII-2C | 34.28 | 5690.72 | 5725    | --- | --- |
|            | Ant4 | 5710_UNII-2C | 34.2  | 5690.80 | 5725    | --- | --- |
|            | Ant1 | 5710_UNII-3  | 4.28  | 5725    | 5729.28 | --- | --- |
|            | Ant2 | 5710_UNII-3  | 4.12  | 5725    | 5729.12 | --- | --- |
|            | Ant3 | 5710_UNII-3  | 4.2   | 5725    | 5729.20 | --- | --- |
|            | Ant4 | 5710_UNII-3  | 4.12  | 5725    | 5729.12 | --- | --- |
|            | Ant1 | 5755         | 46.08 | 5734.36 | 5780.44 | --- | --- |
|            | Ant2 | 5755         | 38.48 | 5735.80 | 5774.28 | --- | --- |
|            | Ant3 | 5755         | 44.96 | 5735.80 | 5780.76 | --- | --- |
|            | Ant4 | 5755         | 38.88 | 5735.56 | 5774.44 | --- | --- |
|            | Ant1 | 5795         | 46.48 | 5768.12 | 5814.60 | --- | --- |
|            | Ant2 | 5795         | 38.56 | 5775.64 | 5814.20 | --- | --- |
|            | Ant3 | 5795         | 40.72 | 5773.56 | 5814.28 | --- | --- |
|            | Ant4 | 5795         | 40.16 | 5774.12 | 5814.28 | --- | --- |
| 11AC20MIMO | Ant1 | 5180         | 23.64 | 5168.32 | 5191.96 | --- | --- |
|            | Ant2 | 5180         | 25.52 | 5167.64 | 5193.16 | --- | --- |
|            | Ant3 | 5180         | 24.52 | 5168.00 | 5192.52 | --- | --- |
|            | Ant4 | 5180         | 23.44 | 5168.08 | 5191.52 | --- | --- |
|            | Ant1 | 5200         | 22.64 | 5188.32 | 5210.96 | --- | --- |
|            | Ant2 | 5200         | 22.44 | 5187.40 | 5209.84 | --- | --- |
|            | Ant3 | 5200         | 22.36 | 5187.72 | 5210.08 | --- | --- |
|            | Ant4 | 5200         | 22.96 | 5187.72 | 5210.68 | --- | --- |
|            | Ant1 | 5240         | 19.12 | 5230.44 | 5249.56 | --- | --- |
|            | Ant2 | 5240         | 19.04 | 5230.48 | 5249.52 | --- | --- |
|            | Ant3 | 5240         | 19.00 | 5230.52 | 5249.52 | --- | --- |
|            | Ant4 | 5240         | 19.00 | 5230.48 | 5249.48 | --- | --- |
|            | Ant1 | 5260         | 19.04 | 5250.48 | 5269.52 | --- | --- |
|            | Ant2 | 5260         | 19.00 | 5250.52 | 5269.52 | --- | --- |
|            | Ant3 | 5260         | 19.00 | 5250.48 | 5269.48 | --- | --- |
|            | Ant4 | 5260         | 19.04 | 5250.48 | 5269.52 | --- | --- |
|            | Ant1 | 5280         | 19.08 | 5270.48 | 5289.56 | --- | --- |
|            | Ant2 | 5280         | 19.00 | 5270.52 | 5289.52 | --- | --- |
|            | Ant3 | 5280         | 19.00 | 5270.52 | 5289.52 | --- | --- |
|            | Ant4 | 5280         | 19.00 | 5270.52 | 5289.52 | --- | --- |
|            | Ant1 | 5320         | 28.72 | 5304.88 | 5333.60 | --- | --- |
|            | Ant2 | 5320         | 27.96 | 5305.08 | 5333.04 | --- | --- |
|            | Ant3 | 5320         | 24.40 | 5307.40 | 5331.80 | --- | --- |
|            | Ant4 | 5320         | 27.68 | 5306.24 | 5333.92 | --- | --- |

|            |      |              |       |         |         |     |     |
|------------|------|--------------|-------|---------|---------|-----|-----|
|            | Ant1 | 5500         | 25.08 | 5487.40 | 5512.48 | --- | --- |
|            | Ant2 | 5500         | 24.60 | 5487.44 | 5512.04 | --- | --- |
|            | Ant3 | 5500         | 22.56 | 5488.72 | 5511.28 | --- | --- |
|            | Ant4 | 5500         | 24.28 | 5489.64 | 5513.92 | --- | --- |
|            | Ant1 | 5580         | 19.08 | 5570.44 | 5589.52 | --- | --- |
|            | Ant2 | 5580         | 19.04 | 5570.48 | 5589.52 | --- | --- |
|            | Ant3 | 5580         | 19.00 | 5570.48 | 5589.48 | --- | --- |
|            | Ant4 | 5580         | 19.00 | 5570.48 | 5589.48 | --- | --- |
|            | Ant1 | 5700         | 25.04 | 5686.80 | 5711.84 | --- | --- |
|            | Ant2 | 5700         | 25.36 | 5686.28 | 5711.64 | --- | --- |
|            | Ant3 | 5700         | 26.24 | 5686.32 | 5712.56 | --- | --- |
|            | Ant4 | 5700         | 22.60 | 5688.00 | 5710.60 | --- | --- |
|            | Ant1 | 5720         | 19.08 | 5710.44 | 5729.52 | --- | --- |
|            | Ant2 | 5720         | 19.08 | 5710.44 | 5729.52 | --- | --- |
|            | Ant3 | 5720         | 19.04 | 5710.48 | 5729.52 | --- | --- |
|            | Ant4 | 5720         | 19.00 | 5710.48 | 5729.48 | --- | --- |
|            | Ant1 | 5720_UNII-2C | 14.56 | 5710.44 | 5725    | --- | --- |
|            | Ant2 | 5720_UNII-2C | 14.56 | 5710.44 | 5725    | --- | --- |
|            | Ant3 | 5720_UNII-2C | 14.52 | 5710.48 | 5725    | --- | --- |
|            | Ant4 | 5720_UNII-2C | 14.52 | 5710.48 | 5725    | --- | --- |
|            | Ant1 | 5720_UNII-3  | 4.52  | 5725    | 5729.52 | --- | --- |
|            | Ant2 | 5720_UNII-3  | 4.52  | 5725    | 5729.52 | --- | --- |
|            | Ant3 | 5720_UNII-3  | 4.52  | 5725    | 5729.52 | --- | --- |
|            | Ant4 | 5720_UNII-3  | 4.48  | 5725    | 5729.48 | --- | --- |
|            | Ant1 | 5745         | 22.24 | 5735.28 | 5757.52 | --- | --- |
|            | Ant2 | 5745         | 22.28 | 5735.28 | 5757.56 | --- | --- |
|            | Ant3 | 5745         | 23.20 | 5735.28 | 5758.48 | --- | --- |
|            | Ant4 | 5745         | 22.28 | 5734.88 | 5757.16 | --- | --- |
|            | Ant1 | 5785         | 19.08 | 5775.44 | 5794.52 | --- | --- |
|            | Ant2 | 5785         | 19.04 | 5775.48 | 5794.52 | --- | --- |
|            | Ant3 | 5785         | 19.00 | 5775.52 | 5794.52 | --- | --- |
|            | Ant4 | 5785         | 19.00 | 5775.52 | 5794.52 | --- | --- |
|            | Ant1 | 5825         | 24.68 | 5812.68 | 5837.36 | --- | --- |
|            | Ant2 | 5825         | 25.52 | 5811.56 | 5837.08 | --- | --- |
|            | Ant3 | 5825         | 25.44 | 5812.04 | 5837.48 | --- | --- |
|            | Ant4 | 5825         | 23.96 | 5811.20 | 5835.16 | --- | --- |
| 11AC40MIMO | Ant1 | 5190         | 39.44 | 5170.32 | 5209.76 | --- | --- |
|            | Ant2 | 5190         | 38.40 | 5170.88 | 5209.28 | --- | --- |
|            | Ant3 | 5190         | 39.68 | 5170.64 | 5210.32 | --- | --- |
|            | Ant4 | 5190         | 44.08 | 5170.32 | 5214.40 | --- | --- |
|            | Ant1 | 5230         | 38.64 | 5210.72 | 5249.36 | --- | --- |
|            | Ant2 | 5230         | 38.32 | 5210.88 | 5249.20 | --- | --- |
|            | Ant3 | 5230         | 38.32 | 5210.88 | 5249.20 | --- | --- |
|            | Ant4 | 5230         | 38.40 | 5210.80 | 5249.20 | --- | --- |
|            | Ant1 | 5270         | 38.64 | 5250.72 | 5289.36 | --- | --- |
|            | Ant2 | 5270         | 38.24 | 5250.88 | 5289.12 | --- | --- |
|            | Ant3 | 5270         | 38.40 | 5250.80 | 5289.20 | --- | --- |
|            | Ant4 | 5270         | 38.32 | 5250.88 | 5289.20 | --- | --- |
|            | Ant1 | 5310         | 43.52 | 5288.56 | 5332.08 | --- | --- |
|            | Ant2 | 5310         | 38.56 | 5290.64 | 5329.20 | --- | --- |
|            | Ant3 | 5310         | 41.92 | 5288.96 | 5330.88 | --- | --- |
|            | Ant4 | 5310         | 42.40 | 5290.08 | 5332.48 | --- | --- |
|            | Ant1 | 5510         | 44.48 | 5488.48 | 5532.96 | --- | --- |
|            | Ant2 | 5510         | 40.08 | 5490.72 | 5530.80 | --- | --- |
|            | Ant3 | 5510         | 41.76 | 5490.56 | 5532.32 | --- | --- |
|            | Ant4 | 5510         | 39.44 | 5490.48 | 5529.92 | --- | --- |
|            | Ant1 | 5550         | 38.72 | 5530.72 | 5569.44 | --- | --- |
|            | Ant2 | 5550         | 38.24 | 5530.88 | 5569.12 | --- | --- |
|            | Ant3 | 5550         | 38.32 | 5530.80 | 5569.12 | --- | --- |
|            | Ant4 | 5550         | 38.32 | 5530.88 | 5569.20 | --- | --- |

|            |      |              |       |         |         |     |     |
|------------|------|--------------|-------|---------|---------|-----|-----|
|            | Ant1 | 5670         | 42.08 | 5650.24 | 5692.32 | --- | --- |
|            | Ant2 | 5670         | 38.56 | 5650.64 | 5689.20 | --- | --- |
|            | Ant3 | 5670         | 38.80 | 5650.64 | 5689.44 | --- | --- |
|            | Ant4 | 5670         | 42.80 | 5647.04 | 5689.84 | --- | --- |
|            | Ant1 | 5710         | 38.64 | 5690.64 | 5729.28 | --- | --- |
|            | Ant2 | 5710         | 38.24 | 5690.88 | 5729.12 | --- | --- |
|            | Ant3 | 5710         | 38.40 | 5690.80 | 5729.20 | --- | --- |
|            | Ant4 | 5710         | 38.40 | 5690.80 | 5729.20 | --- | --- |
|            | Ant1 | 5710_UNII-2C | 34.36 | 5690.64 | 5725    | --- | --- |
|            | Ant2 | 5710_UNII-2C | 34.12 | 5690.88 | 5725    | --- | --- |
|            | Ant3 | 5710_UNII-2C | 34.2  | 5690.80 | 5725    | --- | --- |
|            | Ant4 | 5710_UNII-2C | 34.2  | 5690.80 | 5725    | --- | --- |
|            | Ant1 | 5710_UNII-3  | 4.28  | 5725    | 5729.28 | --- | --- |
|            | Ant2 | 5710_UNII-3  | 4.12  | 5725    | 5729.12 | --- | --- |
|            | Ant3 | 5710_UNII-3  | 4.2   | 5725    | 5729.20 | --- | --- |
|            | Ant4 | 5710_UNII-3  | 4.2   | 5725    | 5729.20 | --- | --- |
|            | Ant1 | 5755         | 44.48 | 5735.24 | 5779.72 | --- | --- |
|            | Ant2 | 5755         | 38.48 | 5735.80 | 5774.28 | --- | --- |
|            | Ant3 | 5755         | 38.56 | 5735.64 | 5774.20 | --- | --- |
|            | Ant4 | 5755         | 39.04 | 5735.32 | 5774.36 | --- | --- |
|            | Ant1 | 5795         | 41.20 | 5773.16 | 5814.36 | --- | --- |
|            | Ant2 | 5795         | 38.48 | 5775.72 | 5814.20 | --- | --- |
|            | Ant3 | 5795         | 38.48 | 5775.64 | 5814.12 | --- | --- |
|            | Ant4 | 5795         | 38.64 | 5775.64 | 5814.28 | --- | --- |
| 11AC80MIMO | Ant1 | 5210         | 79.68 | 5170.48 | 5250.16 | --- | --- |
|            | Ant2 | 5210         | 81.44 | 5170.48 | 5251.92 | --- | --- |
|            | Ant3 | 5210         | 79.04 | 5170.48 | 5249.52 | --- | --- |
|            | Ant4 | 5210         | 86.08 | 5168.72 | 5254.80 | --- | --- |
|            | Ant1 | 5290         | 86.72 | 5245.04 | 5331.76 | --- | --- |
|            | Ant2 | 5290         | 84.80 | 5246.00 | 5330.80 | --- | --- |
|            | Ant3 | 5290         | 79.20 | 5250.48 | 5329.68 | --- | --- |
|            | Ant4 | 5290         | 81.92 | 5248.24 | 5330.16 | --- | --- |
|            | Ant1 | 5530         | 90.08 | 5490.32 | 5580.40 | --- | --- |
|            | Ant2 | 5530         | 92.96 | 5490.48 | 5583.44 | --- | --- |
|            | Ant3 | 5530         | 80.64 | 5490.48 | 5571.12 | --- | --- |
|            | Ant4 | 5530         | 81.44 | 5490.64 | 5572.08 | --- | --- |
|            | Ant1 | 5610         | 79.20 | 5570.48 | 5649.68 | --- | --- |
|            | Ant2 | 5610         | 79.04 | 5570.48 | 5649.52 | --- | --- |
|            | Ant3 | 5610         | 79.04 | 5570.48 | 5649.52 | --- | --- |
|            | Ant4 | 5610         | 79.04 | 5570.48 | 5649.52 | --- | --- |
|            | Ant1 | 5690         | 79.36 | 5650.32 | 5729.68 | --- | --- |
|            | Ant2 | 5690         | 79.04 | 5650.48 | 5729.52 | --- | --- |
|            | Ant3 | 5690         | 79.04 | 5650.48 | 5729.52 | --- | --- |
|            | Ant4 | 5690         | 78.88 | 5650.64 | 5729.52 | --- | --- |
|            | Ant1 | 5690_UNII-2C | 74.68 | 5650.32 | 5725    | --- | --- |
|            | Ant2 | 5690_UNII-2C | 74.52 | 5650.48 | 5725    | --- | --- |
|            | Ant3 | 5690_UNII-2C | 74.52 | 5650.48 | 5725    | --- | --- |
|            | Ant4 | 5690_UNII-2C | 74.36 | 5650.64 | 5725    | --- | --- |
|            | Ant1 | 5690_UNII-3  | 4.68  | 5725    | 5729.68 | --- | --- |
|            | Ant2 | 5690_UNII-3  | 4.52  | 5725    | 5729.52 | --- | --- |
|            | Ant3 | 5690_UNII-3  | 4.52  | 5725    | 5729.52 | --- | --- |
|            | Ant4 | 5690_UNII-3  | 4.52  | 5725    | 5729.52 | --- | --- |
|            | Ant1 | 5775         | 79.52 | 5735.48 | 5815.00 | --- | --- |
|            | Ant2 | 5775         | 86.56 | 5735.48 | 5822.04 | --- | --- |
|            | Ant3 | 5775         | 79.04 | 5735.48 | 5814.52 | --- | --- |
|            | Ant4 | 5775         | 82.08 | 5735.48 | 5817.56 | --- | --- |

|             |      |              |        |         |         |     |     |
|-------------|------|--------------|--------|---------|---------|-----|-----|
| 11AC160MIMO | Ant1 | 5250         | 168.96 | 5166.16 | 5335.12 | --- | --- |
|             | Ant2 | 5250         | 166.40 | 5168.40 | 5334.80 | --- | --- |
|             | Ant3 | 5250         | 168.32 | 5167.12 | 5335.44 | --- | --- |
|             | Ant4 | 5250         | 166.72 | 5168.40 | 5335.12 | --- | --- |
|             | Ant1 | 5250 UNII-1  | 83.84  | 5166.16 | 5250    | --- | --- |
|             | Ant2 | 5250 UNII-1  | 81.6   | 5168.40 | 5250    | --- | --- |
|             | Ant3 | 5250 UNII-1  | 82.88  | 5167.12 | 5250    | --- | --- |
|             | Ant4 | 5250 UNII-1  | 81.6   | 5168.40 | 5250    | --- | --- |
|             | Ant1 | 5250 UNII-2A | 85.12  | 5250    | 5335.12 | --- | --- |
|             | Ant2 | 5250 UNII-2A | 84.8   | 5250    | 5334.80 | --- | --- |
|             | Ant3 | 5250 UNII-2A | 85.44  | 5250    | 5335.44 | --- | --- |
|             | Ant4 | 5250 UNII-2A | 85.12  | 5250    | 5335.12 | --- | --- |
|             | Ant1 | 5570         | 166.08 | 5489.04 | 5655.12 | --- | --- |
|             | Ant2 | 5570         | 165.44 | 5489.04 | 5654.48 | --- | --- |
|             | Ant3 | 5570         | 166.40 | 5488.40 | 5654.80 | --- | --- |
|             | Ant4 | 5570         | 165.12 | 5489.04 | 5654.16 | --- | --- |
| 11AX20MIMO  | Ant1 | 5180         | 20.96  | 5169.32 | 5190.28 | --- | --- |
|             | Ant2 | 5180         | 24.92  | 5168.16 | 5193.08 | --- | --- |
|             | Ant3 | 5180         | 21.56  | 5169.96 | 5191.52 | --- | --- |
|             | Ant4 | 5180         | 22.84  | 5167.96 | 5190.80 | --- | --- |
|             | Ant1 | 5200         | 20.04  | 5190.00 | 5210.04 | --- | --- |
|             | Ant2 | 5200         | 28.68  | 5184.40 | 5213.08 | --- | --- |
|             | Ant3 | 5200         | 21.28  | 5188.72 | 5210.00 | --- | --- |
|             | Ant4 | 5200         | 20.24  | 5189.76 | 5210.00 | --- | --- |
|             | Ant1 | 5240         | 19.92  | 5230.04 | 5249.96 | --- | --- |
|             | Ant2 | 5240         | 19.92  | 5230.04 | 5249.96 | --- | --- |
|             | Ant3 | 5240         | 19.92  | 5230.04 | 5249.96 | --- | --- |
|             | Ant4 | 5240         | 19.92  | 5230.04 | 5249.96 | --- | --- |
|             | Ant1 | 5260         | 19.96  | 5250.00 | 5269.96 | --- | --- |
|             | Ant2 | 5260         | 19.88  | 5250.08 | 5269.96 | --- | --- |
|             | Ant3 | 5260         | 19.92  | 5250.04 | 5269.96 | --- | --- |
|             | Ant4 | 5260         | 19.92  | 5250.04 | 5269.96 | --- | --- |
|             | Ant1 | 5280         | 19.92  | 5270.04 | 5289.96 | --- | --- |
|             | Ant2 | 5280         | 19.92  | 5270.04 | 5289.96 | --- | --- |
|             | Ant3 | 5280         | 19.92  | 5270.04 | 5289.96 | --- | --- |
|             | Ant4 | 5280         | 19.96  | 5270.00 | 5289.96 | --- | --- |
|             | Ant1 | 5320         | 21.68  | 5310.00 | 5331.68 | --- | --- |
|             | Ant2 | 5320         | 20.28  | 5309.72 | 5330.00 | --- | --- |
|             | Ant3 | 5320         | 20.72  | 5309.44 | 5330.16 | --- | --- |
|             | Ant4 | 5320         | 25.44  | 5309.20 | 5334.64 | --- | --- |
|             | Ant1 | 5500         | 23.52  | 5488.68 | 5512.20 | --- | --- |
|             | Ant2 | 5500         | 24.40  | 5487.16 | 5511.56 | --- | --- |
|             | Ant3 | 5500         | 20.28  | 5489.76 | 5510.04 | --- | --- |
|             | Ant4 | 5500         | 21.24  | 5490.00 | 5511.24 | --- | --- |
|             | Ant1 | 5580         | 19.92  | 5570.04 | 5589.96 | --- | --- |
|             | Ant2 | 5580         | 19.96  | 5570.00 | 5589.96 | --- | --- |
|             | Ant3 | 5580         | 19.92  | 5570.04 | 5589.96 | --- | --- |
|             | Ant4 | 5580         | 19.92  | 5570.04 | 5589.96 | --- | --- |
|             | Ant1 | 5700         | 24.12  | 5686.12 | 5710.24 | --- | --- |
|             | Ant2 | 5700         | 21.44  | 5688.72 | 5710.16 | --- | --- |
|             | Ant3 | 5700         | 25.52  | 5685.04 | 5710.56 | --- | --- |
|             | Ant4 | 5700         | 25.00  | 5686.80 | 5711.80 | --- | --- |
|             | Ant1 | 5720         | 19.04  | 5710.48 | 5729.52 | --- | --- |
|             | Ant2 | 5720         | 19.04  | 5710.48 | 5729.52 | --- | --- |
|             | Ant3 | 5720         | 19.08  | 5710.44 | 5729.52 | --- | --- |
|             | Ant4 | 5720         | 19.00  | 5710.48 | 5729.48 | --- | --- |
|             | Ant1 | 5720 UNII-2C | 14.52  | 5710.48 | 5725    | --- | --- |
|             | Ant2 | 5720 UNII-2C | 14.52  | 5710.48 | 5725    | --- | --- |
|             | Ant3 | 5720 UNII-2C | 14.56  | 5710.44 | 5725    | --- | --- |
|             | Ant4 | 5720 UNII-2C | 14.52  | 5710.48 | 5725    | --- | --- |

|  |      |              |       |         |         |     |     |
|--|------|--------------|-------|---------|---------|-----|-----|
|  | Ant1 | 5720 UNII-3  | 4.52  | 5725    | 5729.52 | --- | --- |
|  | Ant2 | 5720 UNII-3  | 4.52  | 5725    | 5729.52 | --- | --- |
|  | Ant3 | 5720 UNII-3  | 4.52  | 5725    | 5729.52 | --- | --- |
|  | Ant4 | 5720 UNII-3  | 4.48  | 5725    | 5729.48 | --- | --- |
|  | Ant1 | 5745         | 21.36 | 5734.92 | 5756.28 | --- | --- |
|  | Ant2 | 5745         | 21.00 | 5734.96 | 5755.96 | --- | --- |
|  | Ant3 | 5745         | 25.12 | 5734.16 | 5759.28 | --- | --- |
|  | Ant4 | 5745         | 22.24 | 5734.92 | 5757.16 | --- | --- |
|  | Ant1 | 5785         | 19.96 | 5775.04 | 5795.00 | --- | --- |
|  | Ant2 | 5785         | 19.96 | 5775.00 | 5794.96 | --- | --- |
|  | Ant3 | 5785         | 19.88 | 5775.04 | 5794.92 | --- | --- |
|  | Ant4 | 5785         | 19.96 | 5775.00 | 5794.96 | --- | --- |
|  | Ant1 | 5825         | 24.84 | 5811.56 | 5836.40 | --- | --- |
|  | Ant2 | 5825         | 23.64 | 5813.36 | 5837.00 | --- | --- |
|  | Ant3 | 5825         | 22.04 | 5813.04 | 5835.08 | --- | --- |
|  | Ant4 | 5825         | 22.68 | 5813.12 | 5835.80 | --- | --- |
|  | Ant1 | 5190         | 39.60 | 5170.16 | 5209.76 | --- | --- |
|  | Ant2 | 5190         | 41.20 | 5170.08 | 5211.28 | --- | --- |
|  | Ant3 | 5190         | 39.68 | 5170.24 | 5209.92 | --- | --- |
|  | Ant4 | 5190         | 40.24 | 5169.60 | 5209.84 | --- | --- |
|  | Ant1 | 5230         | 39.60 | 5210.16 | 5249.76 | --- | --- |
|  | Ant2 | 5230         | 39.60 | 5210.16 | 5249.76 | --- | --- |
|  | Ant3 | 5230         | 39.60 | 5210.24 | 5249.84 | --- | --- |
|  | Ant4 | 5230         | 39.60 | 5210.24 | 5249.84 | --- | --- |
|  | Ant1 | 5270         | 39.52 | 5250.32 | 5289.84 | --- | --- |
|  | Ant2 | 5270         | 39.52 | 5250.24 | 5289.76 | --- | --- |
|  | Ant3 | 5270         | 39.68 | 5250.16 | 5289.84 | --- | --- |
|  | Ant4 | 5270         | 39.44 | 5250.32 | 5289.76 | --- | --- |
|  | Ant1 | 5310         | 40.96 | 5288.96 | 5329.92 | --- | --- |
|  | Ant2 | 5310         | 39.60 | 5290.16 | 5329.76 | --- | --- |
|  | Ant3 | 5310         | 39.68 | 5290.16 | 5329.84 | --- | --- |
|  | Ant4 | 5310         | 39.84 | 5290.08 | 5329.92 | --- | --- |
|  | Ant1 | 5510         | 39.76 | 5490.24 | 5530.00 | --- | --- |
|  | Ant2 | 5510         | 39.84 | 5490.16 | 5530.00 | --- | --- |
|  | Ant3 | 5510         | 42.08 | 5490.24 | 5532.32 | --- | --- |
|  | Ant4 | 5510         | 39.60 | 5490.24 | 5529.84 | --- | --- |
|  | Ant1 | 5550         | 39.52 | 5530.24 | 5569.76 | --- | --- |
|  | Ant2 | 5550         | 39.68 | 5530.16 | 5569.84 | --- | --- |
|  | Ant3 | 5550         | 39.52 | 5530.24 | 5569.76 | --- | --- |
|  | Ant4 | 5550         | 39.60 | 5530.16 | 5569.76 | --- | --- |
|  | Ant1 | 5670         | 41.36 | 5648.48 | 5689.84 | --- | --- |
|  | Ant2 | 5670         | 41.12 | 5649.36 | 5690.48 | --- | --- |
|  | Ant3 | 5670         | 40.08 | 5650.16 | 5690.24 | --- | --- |
|  | Ant4 | 5670         | 39.52 | 5650.24 | 5689.76 | --- | --- |
|  | Ant1 | 5710         | 38.72 | 5690.64 | 5729.36 | --- | --- |
|  | Ant2 | 5710         | 38.24 | 5690.88 | 5729.12 | --- | --- |
|  | Ant3 | 5710         | 38.40 | 5690.72 | 5729.12 | --- | --- |
|  | Ant4 | 5710         | 38.32 | 5690.80 | 5729.12 | --- | --- |
|  | Ant1 | 5710_UNII-2C | 34.36 | 5690.64 | 5725    | --- | --- |
|  | Ant2 | 5710_UNII-2C | 34.12 | 5690.88 | 5725    | --- | --- |
|  | Ant3 | 5710_UNII-2C | 34.28 | 5690.72 | 5725    | --- | --- |
|  | Ant4 | 5710_UNII-2C | 34.2  | 5690.80 | 5725    | --- | --- |
|  | Ant1 | 5710 UNII-3  | 4.36  | 5725    | 5729.36 | --- | --- |
|  | Ant2 | 5710 UNII-3  | 4.12  | 5725    | 5729.12 | --- | --- |
|  | Ant3 | 5710 UNII-3  | 4.12  | 5725    | 5729.12 | --- | --- |
|  | Ant4 | 5710 UNII-3  | 4.12  | 5725    | 5729.12 | --- | --- |
|  | Ant1 | 5755         | 39.68 | 5735.16 | 5774.84 | --- | --- |
|  | Ant2 | 5755         | 39.84 | 5735.00 | 5774.84 | --- | --- |
|  | Ant3 | 5755         | 39.52 | 5735.24 | 5774.76 | --- | --- |
|  | Ant4 | 5755         | 39.68 | 5735.16 | 5774.84 | --- | --- |

|             |      |              |        |         |         |     |     |
|-------------|------|--------------|--------|---------|---------|-----|-----|
|             | Ant1 | 5795         | 39.68  | 5775.08 | 5814.76 | --- | --- |
|             | Ant2 | 5795         | 39.84  | 5775.00 | 5814.84 | --- | --- |
|             | Ant3 | 5795         | 40.64  | 5774.20 | 5814.84 | --- | --- |
|             | Ant4 | 5795         | 39.76  | 5775.08 | 5814.84 | --- | --- |
| 11AX80MIMO  | Ant1 | 5210         | 80.32  | 5170.00 | 5250.32 | --- | --- |
|             | Ant2 | 5210         | 80.32  | 5169.84 | 5250.16 | --- | --- |
|             | Ant3 | 5210         | 80.32  | 5169.84 | 5250.16 | --- | --- |
|             | Ant4 | 5210         | 80.00  | 5170.00 | 5250.00 | --- | --- |
|             | Ant1 | 5290         | 80.32  | 5249.84 | 5330.16 | --- | --- |
|             | Ant2 | 5290         | 85.76  | 5244.40 | 5330.16 | --- | --- |
|             | Ant3 | 5290         | 80.16  | 5250.00 | 5330.16 | --- | --- |
|             | Ant4 | 5290         | 80.16  | 5250.00 | 5330.16 | --- | --- |
|             | Ant1 | 5530         | 85.92  | 5490.00 | 5575.92 | --- | --- |
|             | Ant2 | 5530         | 80.16  | 5490.00 | 5570.16 | --- | --- |
|             | Ant3 | 5530         | 80.16  | 5490.00 | 5570.16 | --- | --- |
|             | Ant4 | 5530         | 83.36  | 5490.00 | 5573.36 | --- | --- |
|             | Ant1 | 5610         | 80.16  | 5570.00 | 5650.16 | --- | --- |
|             | Ant2 | 5610         | 80.00  | 5570.00 | 5650.00 | --- | --- |
|             | Ant3 | 5610         | 80.16  | 5570.00 | 5650.16 | --- | --- |
|             | Ant4 | 5610         | 80.16  | 5570.00 | 5650.16 | --- | --- |
|             | Ant1 | 5690         | 79.20  | 5650.32 | 5729.52 | --- | --- |
|             | Ant2 | 5690         | 79.04  | 5650.48 | 5729.52 | --- | --- |
|             | Ant3 | 5690         | 79.04  | 5650.48 | 5729.52 | --- | --- |
|             | Ant4 | 5690         | 78.88  | 5650.48 | 5729.36 | --- | --- |
|             | Ant1 | 5690_UNII-2C | 74.68  | 5650.32 | 5725    | --- | --- |
|             | Ant2 | 5690_UNII-2C | 74.52  | 5650.48 | 5725    | --- | --- |
|             | Ant3 | 5690_UNII-2C | 74.52  | 5650.48 | 5725    | --- | --- |
|             | Ant4 | 5690_UNII-2C | 74.52  | 5650.48 | 5725    | --- | --- |
|             | Ant1 | 5690_UNII-3  | 4.52   | 5725    | 5729.52 | --- | --- |
|             | Ant2 | 5690_UNII-3  | 4.52   | 5725    | 5729.52 | --- | --- |
|             | Ant3 | 5690_UNII-3  | 4.52   | 5725    | 5729.52 | --- | --- |
|             | Ant4 | 5690_UNII-3  | 4.36   | 5725    | 5729.36 | --- | --- |
|             | Ant1 | 5775         | 80.16  | 5735.00 | 5815.16 | --- | --- |
|             | Ant2 | 5775         | 81.28  | 5735.00 | 5816.28 | --- | --- |
|             | Ant3 | 5775         | 81.12  | 5735.00 | 5816.12 | --- | --- |
|             | Ant4 | 5775         | 80.16  | 5735.00 | 5815.16 | --- | --- |
| 11AX160MIMO | Ant1 | 5250         | 162.88 | 5168.72 | 5331.60 | --- | --- |
|             | Ant2 | 5250         | 162.56 | 5168.72 | 5331.28 | --- | --- |
|             | Ant3 | 5250         | 162.88 | 5168.72 | 5331.60 | --- | --- |
|             | Ant4 | 5250         | 164.80 | 5166.80 | 5331.60 | --- | --- |
|             | Ant1 | 5250_UNII-1  | 81.28  | 5168.72 | 5250    | --- | --- |
|             | Ant2 | 5250_UNII-1  | 81.28  | 5168.72 | 5250    | --- | --- |
|             | Ant3 | 5250_UNII-1  | 81.28  | 5168.72 | 5250    | --- | --- |
|             | Ant4 | 5250_UNII-1  | 83.2   | 5166.80 | 5250    | --- | --- |
|             | Ant1 | 5250_UNII-2A | 81.6   | 5250    | 5331.60 | --- | --- |
|             | Ant2 | 5250_UNII-2A | 81.28  | 5250    | 5331.28 | --- | --- |
|             | Ant3 | 5250_UNII-2A | 81.6   | 5250    | 5331.60 | --- | --- |
|             | Ant4 | 5250_UNII-2A | 81.6   | 5250    | 5331.60 | --- | --- |
|             | Ant1 | 5570         | 162.88 | 5488.72 | 5651.60 | --- | --- |
|             | Ant2 | 5570         | 162.88 | 5488.72 | 5651.60 | --- | --- |
|             | Ant3 | 5570         | 162.56 | 5488.72 | 5651.28 | --- | --- |
|             | Ant4 | 5570         | 163.52 | 5488.72 | 5652.24 | --- | --- |
| 11BE20MIMO  | Ant1 | 5180         | 20.72  | 5169.92 | 5190.64 | --- | --- |
|             | Ant2 | 5180         | 20.00  | 5170.00 | 5190.00 | --- | --- |
|             | Ant3 | 5180         | 20.00  | 5169.96 | 5189.96 | --- | --- |
|             | Ant4 | 5180         | 22.44  | 5170.04 | 5192.48 | --- | --- |
|             | Ant1 | 5200         | 19.88  | 5190.04 | 5209.92 | --- | --- |
|             | Ant2 | 5200         | 20.04  | 5190.00 | 5210.04 | --- | --- |
|             | Ant3 | 5200         | 20.08  | 5189.88 | 5209.96 | --- | --- |
|             | Ant4 | 5200         | 20.80  | 5189.16 | 5209.96 | --- | --- |

|            |      |              |       |         |         |     |     |
|------------|------|--------------|-------|---------|---------|-----|-----|
|            | Ant1 | 5240         | 19.92 | 5230.08 | 5250.00 | --- | --- |
|            | Ant2 | 5240         | 19.88 | 5230.08 | 5249.96 | --- | --- |
|            | Ant3 | 5240         | 19.92 | 5230.04 | 5249.96 | --- | --- |
|            | Ant4 | 5240         | 19.96 | 5230.04 | 5250.00 | --- | --- |
|            | Ant1 | 5260         | 19.88 | 5250.12 | 5270.00 | --- | --- |
|            | Ant2 | 5260         | 19.88 | 5250.08 | 5269.96 | --- | --- |
|            | Ant3 | 5260         | 19.80 | 5250.12 | 5269.92 | --- | --- |
|            | Ant4 | 5260         | 19.88 | 5250.08 | 5269.96 | --- | --- |
|            | Ant1 | 5280         | 19.84 | 5270.08 | 5289.92 | --- | --- |
|            | Ant2 | 5280         | 19.80 | 5270.12 | 5289.92 | --- | --- |
|            | Ant3 | 5280         | 19.88 | 5270.08 | 5289.96 | --- | --- |
|            | Ant4 | 5280         | 19.80 | 5270.12 | 5289.92 | --- | --- |
|            | Ant1 | 5320         | 19.92 | 5310.04 | 5329.96 | --- | --- |
|            | Ant2 | 5320         | 19.92 | 5310.04 | 5329.96 | --- | --- |
|            | Ant3 | 5320         | 19.96 | 5310.04 | 5330.00 | --- | --- |
|            | Ant4 | 5320         | 19.84 | 5310.12 | 5329.96 | --- | --- |
|            | Ant1 | 5500         | 20.00 | 5489.92 | 5509.92 | --- | --- |
|            | Ant2 | 5500         | 19.80 | 5490.12 | 5509.92 | --- | --- |
|            | Ant3 | 5500         | 19.96 | 5490.04 | 5510.00 | --- | --- |
|            | Ant4 | 5500         | 19.88 | 5490.04 | 5509.92 | --- | --- |
|            | Ant1 | 5580         | 19.88 | 5570.08 | 5589.96 | --- | --- |
|            | Ant2 | 5580         | 19.80 | 5570.12 | 5589.92 | --- | --- |
|            | Ant3 | 5580         | 19.92 | 5570.00 | 5589.92 | --- | --- |
|            | Ant4 | 5580         | 19.84 | 5570.04 | 5589.88 | --- | --- |
|            | Ant1 | 5700         | 19.84 | 5690.12 | 5709.96 | --- | --- |
|            | Ant2 | 5700         | 20.16 | 5689.84 | 5710.00 | --- | --- |
|            | Ant3 | 5700         | 19.88 | 5690.08 | 5709.96 | --- | --- |
|            | Ant4 | 5700         | 19.84 | 5690.08 | 5709.92 | --- | --- |
|            | Ant1 | 5720         | 19.88 | 5710.04 | 5729.92 | --- | --- |
|            | Ant2 | 5720         | 19.88 | 5710.04 | 5729.92 | --- | --- |
|            | Ant3 | 5720         | 19.84 | 5710.08 | 5729.92 | --- | --- |
|            | Ant4 | 5720         | 19.92 | 5710.00 | 5729.92 | --- | --- |
|            | Ant1 | 5720_UNII-2C | 14.96 | 5710.04 | 5725    | --- | --- |
|            | Ant2 | 5720_UNII-2C | 14.96 | 5710.04 | 5725    | --- | --- |
|            | Ant3 | 5720_UNII-2C | 14.92 | 5710.08 | 5725    | --- | --- |
|            | Ant4 | 5720_UNII-2C | 15    | 5710.00 | 5725    | --- | --- |
|            | Ant1 | 5720_UNII-3  | 4.92  | 5725    | 5729.92 | --- | --- |
|            | Ant2 | 5720_UNII-3  | 4.92  | 5725    | 5729.92 | --- | --- |
|            | Ant3 | 5720_UNII-3  | 4.92  | 5725    | 5729.92 | --- | --- |
|            | Ant4 | 5720_UNII-3  | 4.92  | 5725    | 5729.92 | --- | --- |
|            | Ant1 | 5745         | 19.84 | 5735.12 | 5754.96 | --- | --- |
|            | Ant2 | 5745         | 19.92 | 5735.04 | 5754.96 | --- | --- |
|            | Ant3 | 5745         | 20.08 | 5735.00 | 5755.08 | --- | --- |
|            | Ant4 | 5745         | 20.88 | 5735.04 | 5755.92 | --- | --- |
|            | Ant1 | 5785         | 19.80 | 5775.12 | 5794.92 | --- | --- |
|            | Ant2 | 5785         | 19.84 | 5775.04 | 5794.88 | --- | --- |
|            | Ant3 | 5785         | 19.84 | 5775.08 | 5794.92 | --- | --- |
|            | Ant4 | 5785         | 19.88 | 5775.12 | 5795.00 | --- | --- |
|            | Ant1 | 5825         | 19.96 | 5815.00 | 5834.96 | --- | --- |
|            | Ant2 | 5825         | 25.52 | 5810.00 | 5835.52 | --- | --- |
|            | Ant3 | 5825         | 19.96 | 5815.08 | 5835.04 | --- | --- |
|            | Ant4 | 5825         | 20.00 | 5815.00 | 5835.00 | --- | --- |
| 11BE40MIMO | Ant1 | 5190         | 39.68 | 5170.16 | 5209.84 | --- | --- |
|            | Ant2 | 5190         | 39.44 | 5170.32 | 5209.76 | --- | --- |
|            | Ant3 | 5190         | 39.52 | 5170.24 | 5209.76 | --- | --- |
|            | Ant4 | 5190         | 39.60 | 5170.16 | 5209.76 | --- | --- |
|            | Ant1 | 5230         | 39.52 | 5210.32 | 5249.84 | --- | --- |
|            | Ant2 | 5230         | 39.60 | 5210.16 | 5249.76 | --- | --- |
|            | Ant3 | 5230         | 39.52 | 5210.32 | 5249.84 | --- | --- |
|            | Ant4 | 5230         | 39.60 | 5210.16 | 5249.76 | --- | --- |

|            |      |              |       |         |         |     |     |
|------------|------|--------------|-------|---------|---------|-----|-----|
|            | Ant1 | 5270         | 39.44 | 5250.32 | 5289.76 | --- | --- |
|            | Ant2 | 5270         | 39.60 | 5250.24 | 5289.84 | --- | --- |
|            | Ant3 | 5270         | 39.36 | 5250.40 | 5289.76 | --- | --- |
|            | Ant4 | 5270         | 39.52 | 5250.24 | 5289.76 | --- | --- |
|            | Ant1 | 5310         | 39.68 | 5290.16 | 5329.84 | --- | --- |
|            | Ant2 | 5310         | 39.76 | 5290.16 | 5329.92 | --- | --- |
|            | Ant3 | 5310         | 39.68 | 5290.24 | 5329.92 | --- | --- |
|            | Ant4 | 5310         | 39.68 | 5290.08 | 5329.76 | --- | --- |
|            | Ant1 | 5510         | 39.84 | 5490.08 | 5529.92 | --- | --- |
|            | Ant2 | 5510         | 39.76 | 5490.16 | 5529.92 | --- | --- |
|            | Ant3 | 5510         | 39.68 | 5490.16 | 5529.84 | --- | --- |
|            | Ant4 | 5510         | 39.52 | 5490.24 | 5529.76 | --- | --- |
|            | Ant1 | 5550         | 39.52 | 5530.32 | 5569.84 | --- | --- |
|            | Ant2 | 5550         | 39.52 | 5530.32 | 5569.84 | --- | --- |
|            | Ant3 | 5550         | 39.44 | 5530.32 | 5569.76 | --- | --- |
|            | Ant4 | 5550         | 39.44 | 5530.32 | 5569.76 | --- | --- |
|            | Ant1 | 5670         | 39.68 | 5650.16 | 5689.84 | --- | --- |
|            | Ant2 | 5670         | 39.92 | 5650.08 | 5690.00 | --- | --- |
|            | Ant3 | 5670         | 39.52 | 5650.32 | 5689.84 | --- | --- |
|            | Ant4 | 5670         | 39.44 | 5650.32 | 5689.76 | --- | --- |
|            | Ant1 | 5710         | 39.52 | 5690.24 | 5729.76 | --- | --- |
|            | Ant2 | 5710         | 39.36 | 5690.40 | 5729.76 | --- | --- |
|            | Ant3 | 5710         | 39.52 | 5690.24 | 5729.76 | --- | --- |
|            | Ant4 | 5710         | 39.52 | 5690.24 | 5729.76 | --- | --- |
|            | Ant1 | 5710_UNII-2C | 34.76 | 5690.24 | 5725    | --- | --- |
|            | Ant2 | 5710_UNII-2C | 34.6  | 5690.40 | 5725    | --- | --- |
|            | Ant3 | 5710_UNII-2C | 34.76 | 5690.24 | 5725    | --- | --- |
|            | Ant4 | 5710_UNII-2C | 34.76 | 5690.24 | 5725    | --- | --- |
|            | Ant1 | 5710_UNII-3  | 4.76  | 5725    | 5729.76 | --- | --- |
|            | Ant2 | 5710_UNII-3  | 4.76  | 5725    | 5729.76 | --- | --- |
|            | Ant3 | 5710_UNII-3  | 4.76  | 5725    | 5729.76 | --- | --- |
|            | Ant4 | 5710_UNII-3  | 4.76  | 5725    | 5729.76 | --- | --- |
|            | Ant1 | 5755         | 39.60 | 5735.24 | 5774.84 | --- | --- |
|            | Ant2 | 5755         | 39.76 | 5735.16 | 5774.92 | --- | --- |
|            | Ant3 | 5755         | 39.60 | 5735.24 | 5774.84 | --- | --- |
|            | Ant4 | 5755         | 39.36 | 5735.32 | 5774.68 | --- | --- |
|            | Ant1 | 5795         | 39.60 | 5775.24 | 5814.84 | --- | --- |
|            | Ant2 | 5795         | 39.68 | 5775.16 | 5814.84 | --- | --- |
|            | Ant3 | 5795         | 39.52 | 5775.32 | 5814.84 | --- | --- |
|            | Ant4 | 5795         | 39.28 | 5775.40 | 5814.68 | --- | --- |
| 11BE80MIMO | Ant1 | 5210         | 81.12 | 5169.84 | 5250.96 | --- | --- |
|            | Ant2 | 5210         | 81.44 | 5169.84 | 5251.28 | --- | --- |
|            | Ant3 | 5210         | 81.92 | 5169.84 | 5251.76 | --- | --- |
|            | Ant4 | 5210         | 80.96 | 5169.84 | 5250.80 | --- | --- |
|            | Ant1 | 5290         | 80.32 | 5249.84 | 5330.16 | --- | --- |
|            | Ant2 | 5290         | 81.12 | 5249.84 | 5330.96 | --- | --- |
|            | Ant3 | 5290         | 80.48 | 5250.00 | 5330.48 | --- | --- |
|            | Ant4 | 5290         | 81.12 | 5249.84 | 5330.96 | --- | --- |
|            | Ant1 | 5530         | 80.96 | 5490.00 | 5570.96 | --- | --- |
|            | Ant2 | 5530         | 81.12 | 5490.00 | 5571.12 | --- | --- |
|            | Ant3 | 5530         | 81.60 | 5490.00 | 5571.60 | --- | --- |
|            | Ant4 | 5530         | 81.28 | 5490.00 | 5571.28 | --- | --- |
|            | Ant1 | 5610         | 79.84 | 5570.16 | 5650.00 | --- | --- |
|            | Ant2 | 5610         | 79.84 | 5570.16 | 5650.00 | --- | --- |
|            | Ant3 | 5610         | 80.16 | 5570.00 | 5650.16 | --- | --- |
|            | Ant4 | 5610         | 80.16 | 5570.00 | 5650.16 | --- | --- |
|            | Ant1 | 5690         | 80.00 | 5650.00 | 5730.00 | --- | --- |
|            | Ant2 | 5690         | 80.16 | 5650.00 | 5730.16 | --- | --- |
|            | Ant3 | 5690         | 80.00 | 5650.00 | 5730.00 | --- | --- |
|            | Ant4 | 5690         | 80.00 | 5650.00 | 5730.00 | --- | --- |

|  |      |              |        |         |         |     |     |
|--|------|--------------|--------|---------|---------|-----|-----|
|  | Ant1 | 5690_UNII-2C | 75     | 5650.00 | 5725    | --- | --- |
|  | Ant2 | 5690_UNII-2C | 75     | 5650.00 | 5725    | --- | --- |
|  | Ant3 | 5690_UNII-2C | 75     | 5650.00 | 5725    | --- | --- |
|  | Ant4 | 5690_UNII-2C | 75     | 5650.00 | 5725    | --- | --- |
|  | Ant1 | 5690_UNII-3  | 5      | 5725    | 5730.00 | --- | --- |
|  | Ant2 | 5690_UNII-3  | 5.16   | 5725    | 5730.16 | --- | --- |
|  | Ant3 | 5690_UNII-3  | 5      | 5725    | 5730.00 | --- | --- |
|  | Ant4 | 5690_UNII-3  | 5      | 5725    | 5730.00 | --- | --- |
|  | Ant1 | 5775         | 81.76  | 5734.84 | 5816.60 | --- | --- |
|  | Ant2 | 5775         | 80.48  | 5735.00 | 5815.48 | --- | --- |
|  | Ant3 | 5775         | 80.32  | 5735.00 | 5815.32 | --- | --- |
|  | Ant4 | 5775         | 80.96  | 5735.00 | 5815.96 | --- | --- |
|  | Ant1 | 5250         | 164.16 | 5167.76 | 5331.92 | --- | --- |
|  | Ant2 | 5250         | 165.44 | 5166.48 | 5331.92 | --- | --- |
|  | Ant3 | 5250         | 163.20 | 5168.72 | 5331.92 | --- | --- |
|  | Ant4 | 5250         | 168.32 | 5167.76 | 5336.08 | --- | --- |
|  | Ant1 | 5250_UNII-1  | 82.24  | 5167.76 | 5250    | --- | --- |
|  | Ant2 | 5250_UNII-1  | 83.52  | 5166.48 | 5250    | --- | --- |
|  | Ant3 | 5250_UNII-1  | 81.28  | 5168.72 | 5250    | --- | --- |
|  | Ant4 | 5250_UNII-1  | 82.24  | 5167.76 | 5250    | --- | --- |
|  | Ant1 | 5250_UNII-2A | 81.92  | 5250    | 5331.92 | --- | --- |
|  | Ant2 | 5250_UNII-2A | 81.92  | 5250    | 5331.92 | --- | --- |
|  | Ant3 | 5250_UNII-2A | 81.92  | 5250    | 5331.92 | --- | --- |
|  | Ant4 | 5250_UNII-2A | 86.08  | 5250    | 5336.08 | --- | --- |
|  | Ant1 | 5570         | 163.20 | 5488.40 | 5651.60 | --- | --- |
|  | Ant2 | 5570         | 164.48 | 5487.44 | 5651.92 | --- | --- |
|  | Ant3 | 5570         | 162.56 | 5488.72 | 5651.28 | --- | --- |
|  | Ant4 | 5570         | 162.88 | 5488.72 | 5651.60 | --- | --- |

#### 4.5. Test graphs

