

## FCC Part 15E Compliance Test Report

|                                                         |                                                                                                                                                                                                                                                                                           |                                   |                                                                                                                            |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Test Report no.:</b>                                 | FCC15E_RM-1104_45.docx                                                                                                                                                                                                                                                                    | <b>Date of Report:</b>            | 30-Oct-2015                                                                                                                |
| <b>Number of pages:</b>                                 | 58                                                                                                                                                                                                                                                                                        | <b>Customer's Contact person:</b> | Jari Rontu                                                                                                                 |
| <b>Testing laboratory:</b>                              | TCC Microsoft Tampere Laboratory<br>P.O.Box 403<br>Visiokatu 3<br>FIN-33101 TAMPERE, FINLAND<br>Tel. +358 71 800 8000<br>Fax. +358 71 804 6880                                                                                                                                            | <b>Customer:</b>                  | Microsoft<br>P.O.Box(86)<br>Joensuukatu 7E<br>FIN-24101 SALO, FINLAND<br>Tel. +358 (0) 7180 08000<br>Fax. +358 71 80 44122 |
| <b>FCC listing no.:</b>                                 | 94436                                                                                                                                                                                                                                                                                     |                                   |                                                                                                                            |
| <b>IC recognition no.:</b>                              | 661AK-1                                                                                                                                                                                                                                                                                   |                                   |                                                                                                                            |
| <b>Tested devices/ accessories:</b>                     | <b>Phone RM-1104 / Battery BV-T5E / Charger AC-100E / Headset WH-308</b>                                                                                                                                                                                                                  |                                   |                                                                                                                            |
| <b>FCC ID:</b>                                          | PYASTT                                                                                                                                                                                                                                                                                    | <b>IC:</b>                        | 661X-STT                                                                                                                   |
| <b>Supplement reports:</b>                              | -                                                                                                                                                                                                                                                                                         |                                   |                                                                                                                            |
| <b>Testing has been carried out in accordance with:</b> | <b>CFR 47, FCC rules Part 15 Subpart E, ANSI C63.4 (2014), DTS procedures KDB 789033 D02 v01, IC standards, RSS-247 (Issue 1, May 2015). Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".</b> |                                   |                                                                                                                            |
| <b>Documentation:</b>                                   | The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 15 years at TCC Microsoft.                                  |                                   |                                                                                                                            |
| <b>Test Results:</b>                                    | <b>The EUT complies with the requirements in respect of all parameters subject to the test.</b><br>The test results relate only to devices specified in this document                                                                                                                     |                                   |                                                                                                                            |
| <b>Date and signature for the contents:</b>             |                                                                                                                                                                                                                                                                                           |                                   |                                                                                                                            |

**Timo Raiskio, System Manager, EMC**

## 1. Summary for FCC Part 15E Compliance Test Report

|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| Date of receipt               | 01-Jul-2015                                                   |
| Testing completed             | 29-Oct-2015                                                   |
| The customer's contact person | Jari Rontu                                                    |
| Test Plan referred to         | T:\Projects\RM-1104\TestPlan\RS_TestPlan_RM-1104_EMC_FCC.xlsm |
| Notes                         | -                                                             |
| Document name                 | T:\Projects\RM-1104\EMC\FCC15E_RM-1104_45.docx                |

### 1.1. EUT and Accessory Information

The EUT is a mobile phone with following features:  
GSM/WCDMA/WLAN/Bluetooth  
The EUT is tested with maximum rated TX power.

Devices under tests

| Product | Type    | SN                          | HW      | MV | SW                      | DUT    |
|---------|---------|-----------------------------|---------|----|-------------------------|--------|
| Phone   | RM-1104 | 00440274217686              | 2012    | -  | 01066.00001.15257.14000 | 400056 |
| Battery | BV-T5E  | 4955405211010400583;0670775 | LG v4.0 | -  | -                       | 400027 |
| Charger | AC-100E | 40904951255803017590675758  | 0.3     | -  | -                       | 400013 |
| Headset | WH-308  | -                           | -       | -  | -                       | 400014 |

### 1.2. Summary of Test Results

5 GHz RLAN:

| Section in CFR 47    | Section in RSS-GEN or RSS-247 | Name of the test                     | Result |
|----------------------|-------------------------------|--------------------------------------|--------|
| 15.407(a)            | 6.2                           | Conducted peak output power          | -      |
| 15.407(b)            | 6.2                           | Band edge compliance of RF emissions | PASSED |
| 15.407(b)            | 6.2                           | Spurious radiated emissions          | PASSED |
| 15.407(b)(6)         | 8.8                           | AC powerline conducted emissions     | -      |
| 15.407(e)            | 6.6                           | 6dB(bandwidth)                       | -      |
| 2.1049               | 6.6                           | 99%(bandwidth)                       | -      |
| 15.407(a)            | 6.2                           | Maximum power spectral density       | -      |
| 15.407(h)(2)(iii)(a) | A9.3(b)(iii)                  | Dynamic frequency selection          | -      |

PASSED

FAILED

NP

The EUT complies with the essential requirements in the standard.

The EUT does not comply with the essential requirements in the standard.

The test was not performed by the TCC Microsoft Laboratory.

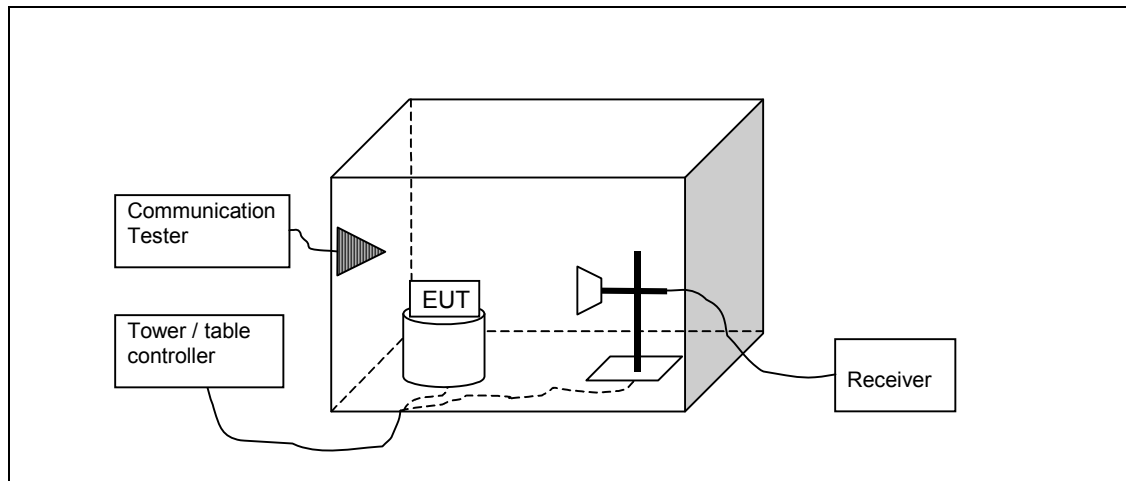
## CONTENTS

|                                                                                       |           |
|---------------------------------------------------------------------------------------|-----------|
| <b>1. Summary for FCC Part 15E Compliance Test Report.....</b>                        | <b>2</b>  |
| 1.1. EUT and Accessory Information .....                                              | 2         |
| 1.2. Summary of Test Results .....                                                    | 2         |
| <b>2. Band edge compliance of RF emissions<br/>(FCC 15.407(b), RSS-247 6.2) .....</b> | <b>4</b>  |
| 2.2. Test method and limit .....                                                      | 4         |
| 2.3. 5 GHz RLAN test results .....                                                    | 5         |
| <b>3. Spurious radiated emissions<br/>(FCC 15.407(b), RSS-247 6.2) .....</b>          | <b>34</b> |
| 3.2. Test method and limit .....                                                      | 34        |
| 3.3. 5 GHz RLAN test results .....                                                    | 36        |
| <b>4. Test Equipment.....</b>                                                         | <b>57</b> |
| 4.1. Conducted measurements .....                                                     | 57        |
| 4.2. Radiated measurements .....                                                      | 57        |

## 2. Band edge compliance of RF emissions (FCC 15.407(b), RSS-247 6.2)

|                                                 |                                                               |
|-------------------------------------------------|---------------------------------------------------------------|
| EUT with DUT number                             | RM-1104, DUT 400056                                           |
| Accessories with DUT numbers                    | BV-T5E, DUT 400027 ; AC-100E, DUT 400013 ; WH-308, DUT 400014 |
| Operation Voltage [V] / [Hz]                    | Nominal                                                       |
| Results                                         | PASSED                                                        |
| Remarks                                         | -                                                             |
| Temp [°C] / Humidity [%RH] / Air Pressure [kPa] | 20 / 40 / 102.9                                               |
| Date of measurements                            | 28-Oct-2015                                                   |
| Measured by                                     | Timo Raiskio                                                  |

### 2.1.1 Test setup



### 2.2. Test method and limit

The measurement is made according to KDB 789033 and RSS-247.  
The measurement results are obtained as described below:

$$E \text{ [dB}\mu\text{V/m]} = U_{RX} + A_{TOT}$$

Where  $U_{RX}$  is receiver reading and  $A_{TOT}$  is total correction factor including cable loss, antenna factor and preamplifier gain ( $A_{TOT} = L_{CABLES} + A_F - G_{PREAMP}$ ).

The limits in the table below are listed for the 100 MHz span around the band edges.

$$P \text{ [W]} = (10 \text{ to power (P [dBm] / 10)}) / 1000.$$

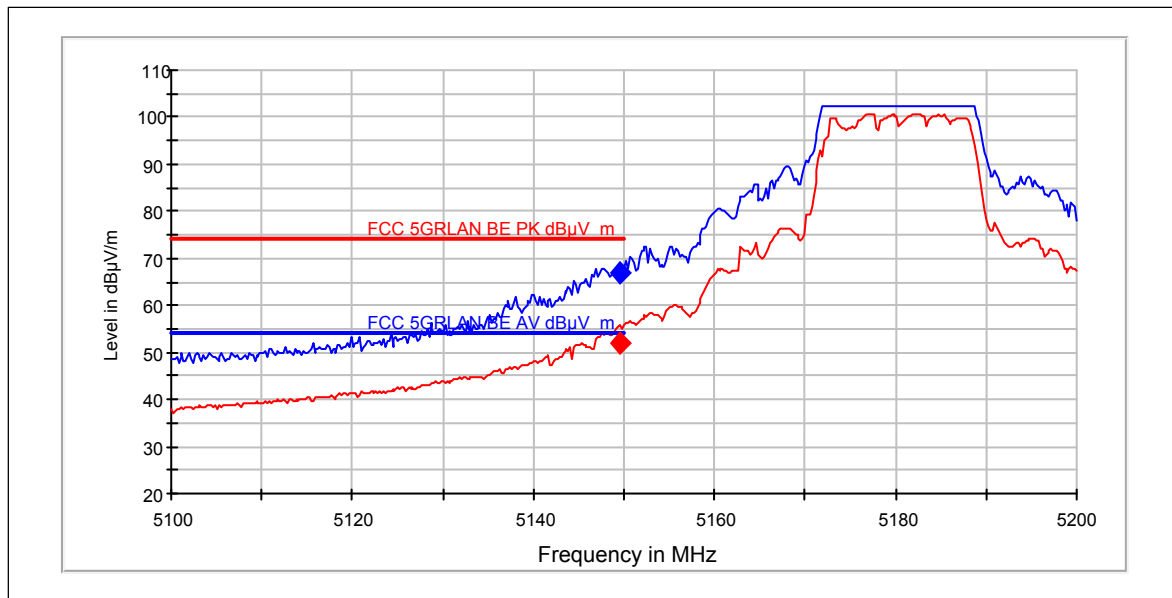
$$E \text{ [dB}\mu\text{V/m]} = 20 * \text{LOG} ((\text{square root (30 * P [W])} / 3 \text{ m}) * 1000000)$$

| Frequency range [MHz] | Limit                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5150 - 5250           | $\leq 5.150 \text{ GHz: } 54 \text{ dB}\mu\text{V/m (avg), } 74 \text{ dB}\mu\text{V/m (pk)}$<br>IC only: 5.250 – 5.350 GHz: -26 dBc (avg) with RBW = 1 MHz                                                  |
| 5250 - 5350           | $\geq 5.350 \text{ GHz: } 54 \text{ dB}\mu\text{V/m (avg), } 74 \text{ dB}\mu\text{V/m (pk)}$                                                                                                                |
| 5470 - 5725           | $\leq 5.460 \text{ GHz: } 54 \text{ dB}\mu\text{V/m (avg), } 74 \text{ dB}\mu\text{V/m (pk)}$<br>5.460 – 5.470 GHz: -27 dBm/MHz (pk) equals 68.23 dBuV/m @ 3m                                                |
| 5725 - 5850           | 5.715 – 5.725 GHz and 5.850 – 5.860 GHz: -17 dBm/MHz (pk) i.e. 78.23 dBuV/m @ 3m<br>$\leq 5.715 \text{ GHz and } \geq 5.860 \text{ GHz: } -27 \text{ dBm/MHz (pk) i.e. } 68.23 \text{ dB}\mu\text{V/m @ 3m}$ |

## 2.3. 5 GHz RLAN test results

### 2.3.1 802.11a, BPSK modulation, 6 Mbps data rate.

Channel 36 / 5180MHz



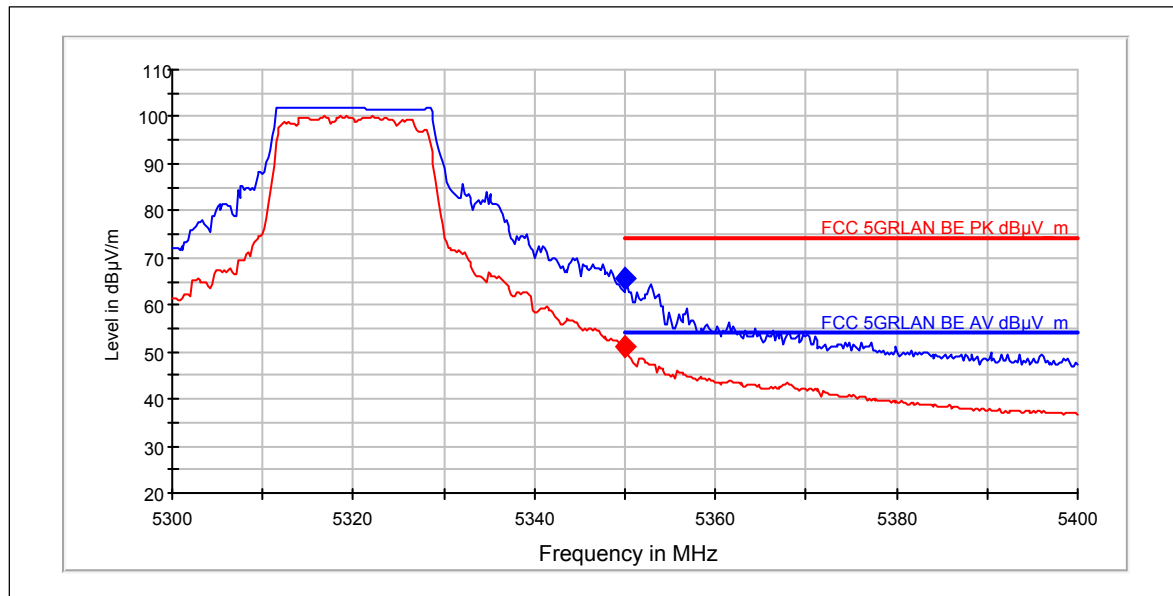
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5149.499        | 66.84            | 74             | 7.16        | 170         | V   | -21           | 0               | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5149.499        | 51.99            | 54             | 2.01        | 170         | V   | -21           | 0               | PASSED  |

Channel 64 / 5320MHz



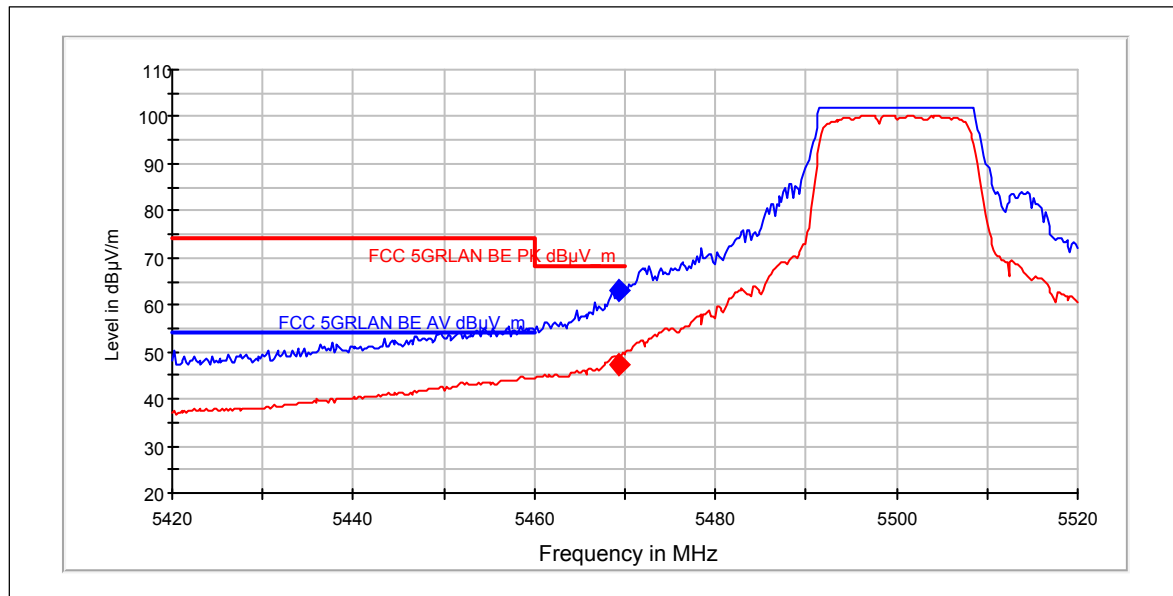
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5350.1          | 65.72            | 74             | 8.28        | 170         | V   | 16            | 0               | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5350.1          | 51.12            | 54             | 2.88        | 170         | V   | 16            | 0               | PASSED  |

Channel 100 / 5500MHz



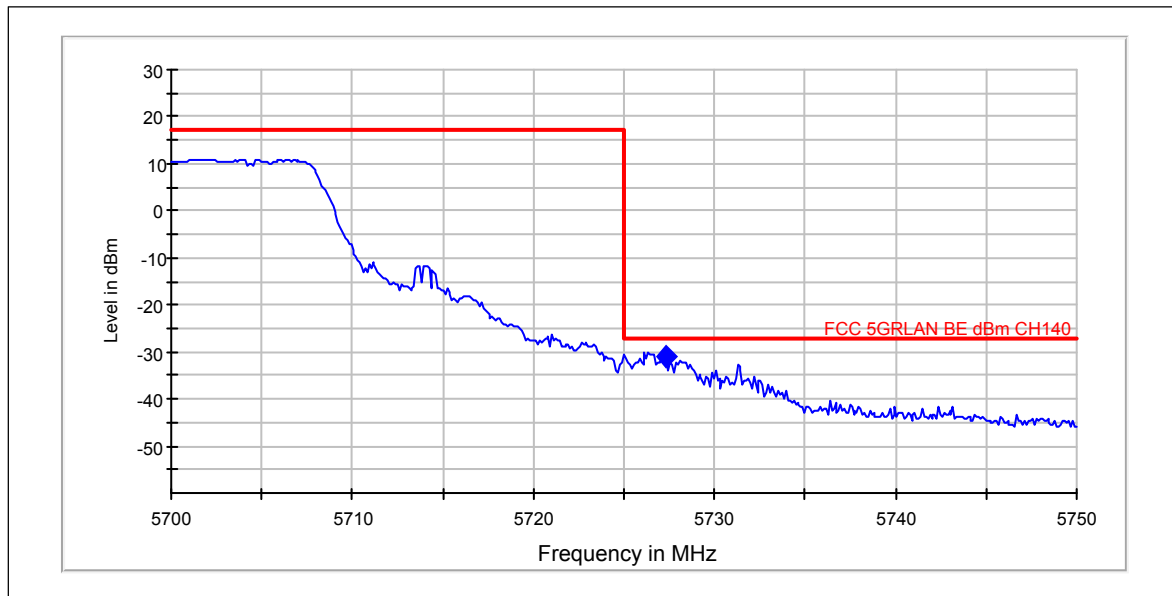
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5469.299        | 63.2             | 68.2           | 5           | 170         | V   | -15           | 0.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5469.299        | 47.41            | ---            | ---         | 170         | V   | -15           | 0.5             | PASSED  |

Channel 140 / 5700MHz

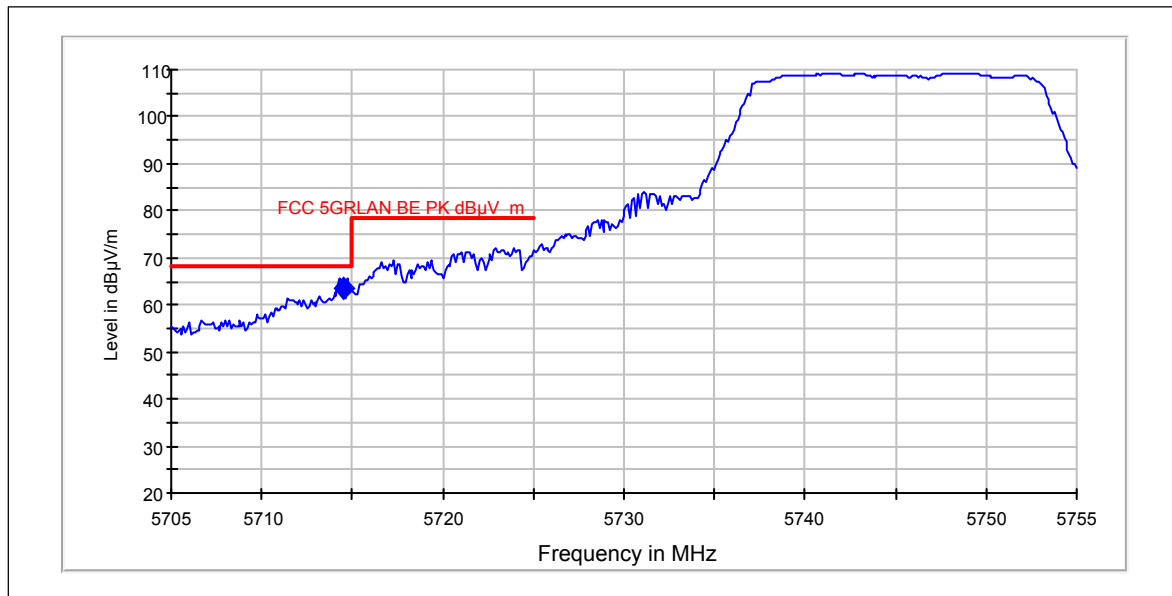


Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5727.355        | -31.14        | -27         | 4.14        | 170         | V   | 15            | 0               | PASSED  |



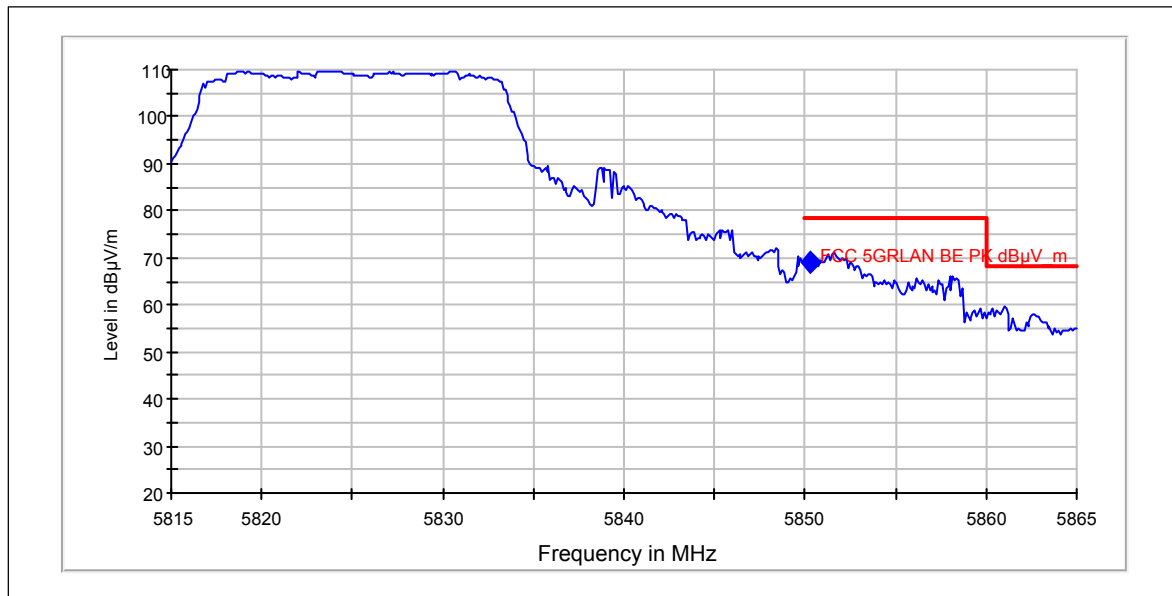
Channel 149 / 5745MHz



Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5714.459        | 63.39            | 68.23          | 4.84        | 170         | V   | -21           | 2.5             | PASSED  |

Channel 165 / 5825MHz

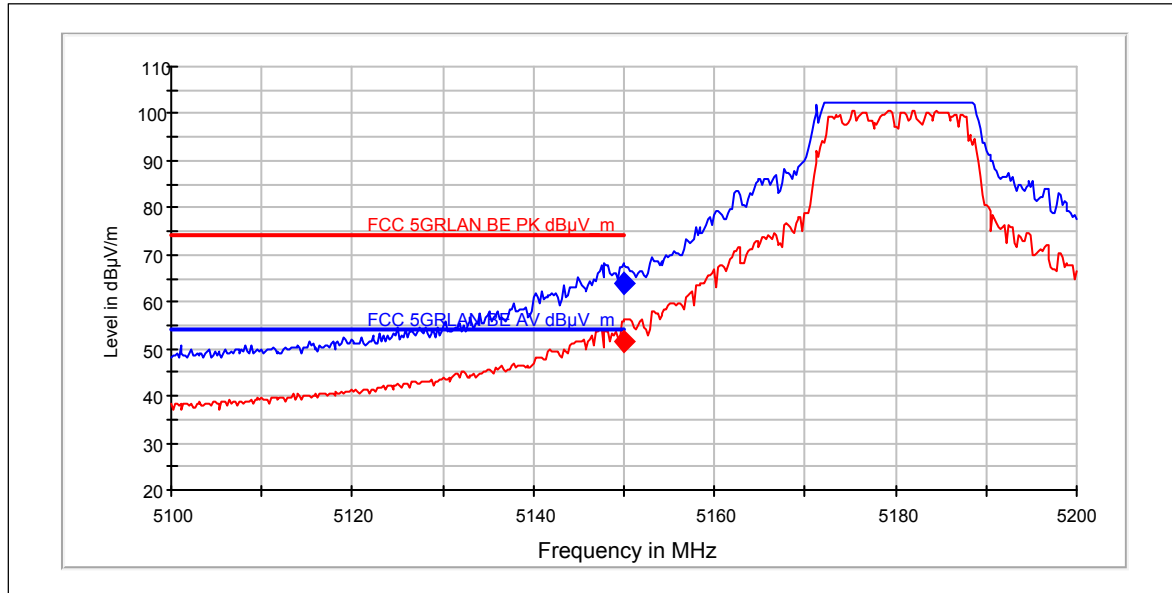


Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5850.301        | 69.1             | 78.23          | 9.13        | 170         | V   | -3            | 1               | PASSED  |

### 2.3.2 802.11a, QPSK modulation, 18 Mbps data rate.

Channel 36 / 5180MHz



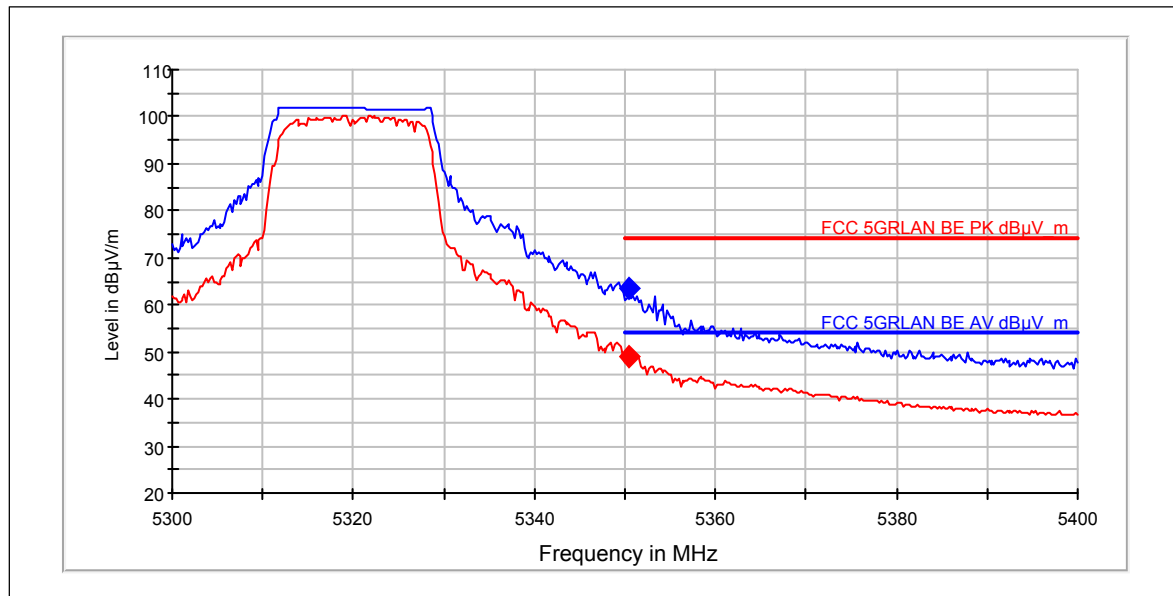
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5149.9          | 64.05            | 74             | 9.95        | 170         | V   | -20           | 1.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5149.9          | 51.66            | 54             | 2.34        | 170         | V   | -20           | 1.5             | PASSED  |

Channel 64 / 5320MHz



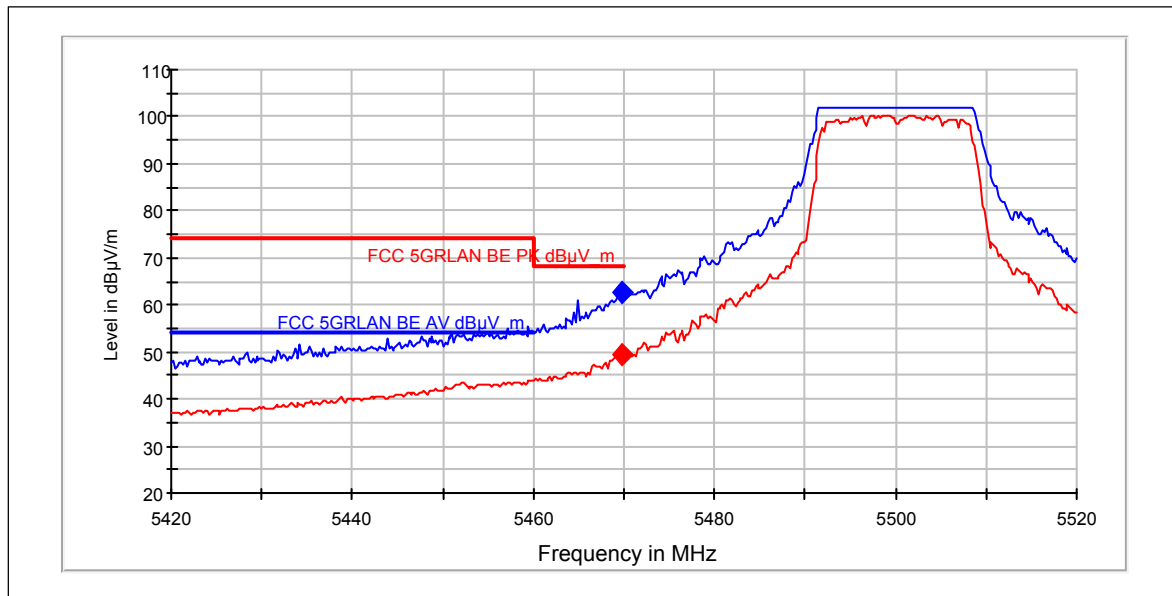
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5350.501        | 63.5             | 74             | 10.5        | 170         | V   | 13            | 0.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5350.501        | 49.16            | 54             | 4.84        | 170         | V   | 13            | 0.5             | PASSED  |

Channel 100 / 5500MHz



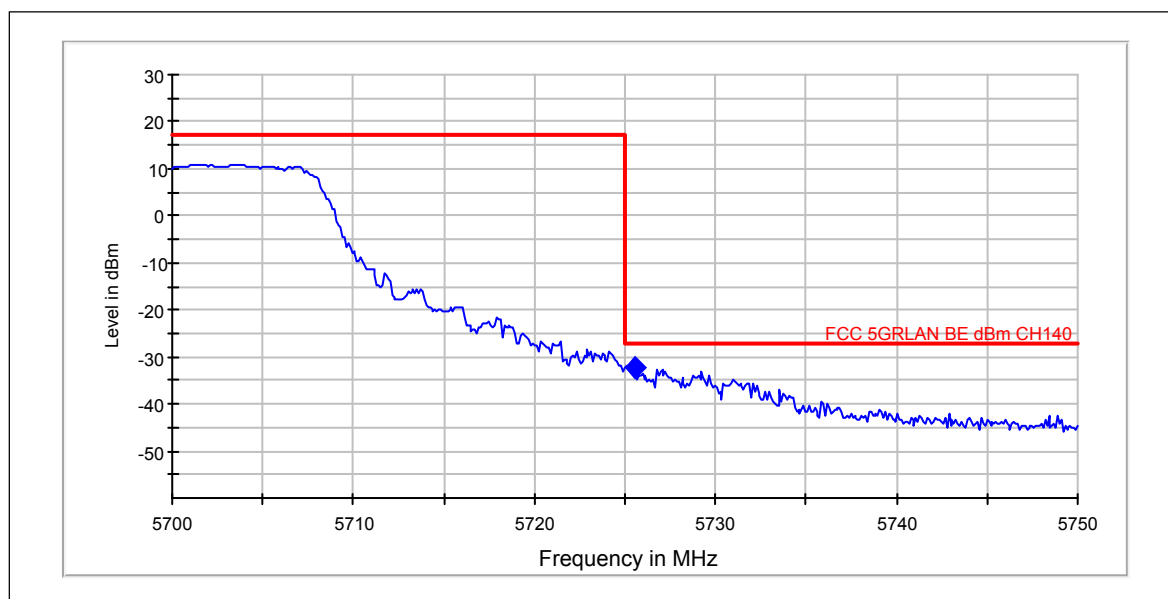
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5469.699        | 62.73            | 68.2           | 5.47        | 170         | V   | 15            | 2.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5469.699        | 49.36            | ---            | ---         | 170         | V   | 15            | 2.5             | PASSED  |

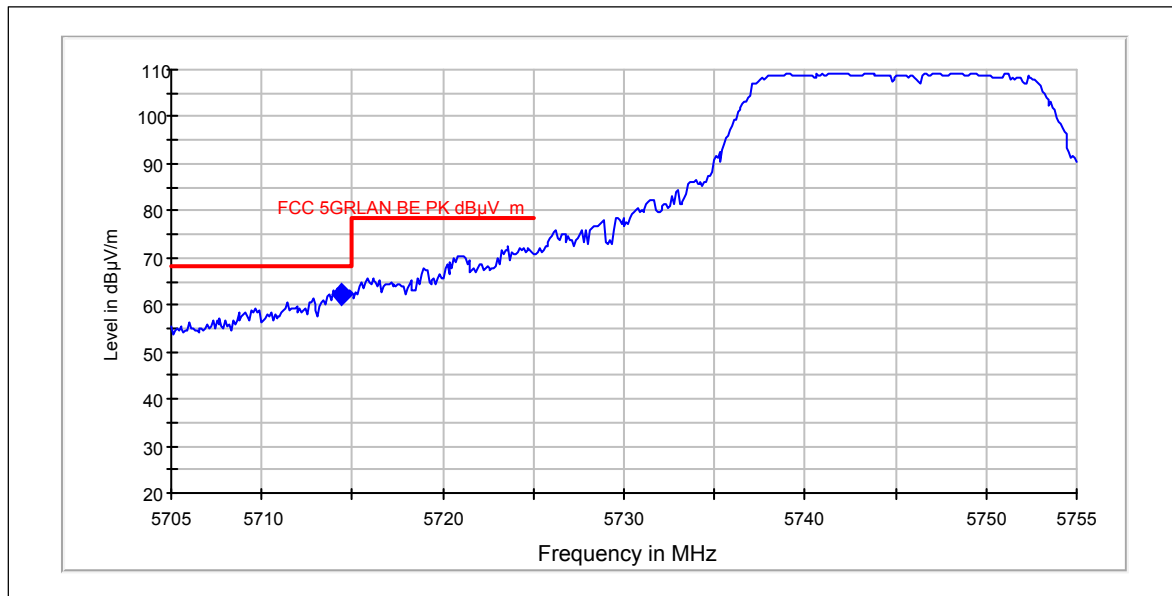
Channel 140 / 5700MHz



Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5725.551        | -32.38        | -27         | 5.38        | 170         | V   | 15            | 1.5             | PASSED  |

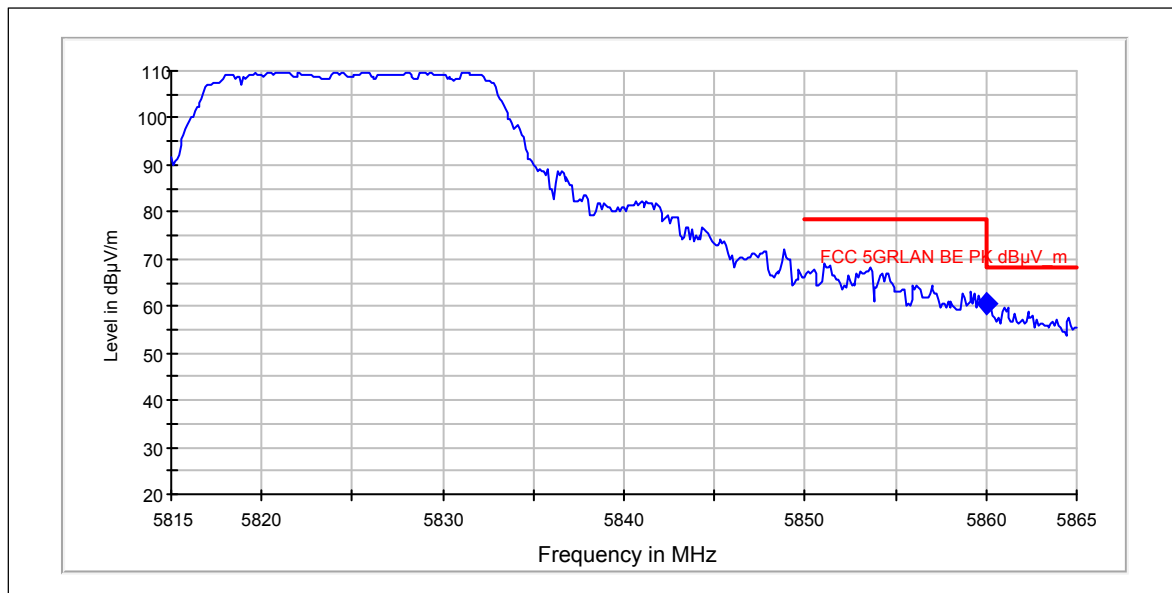
Channel 149 / 5745MHz



Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5714.379        | 62.24            | 68.23          | 5.99        | 170         | V   | 15            | 0.5             | PASSED  |

Channel 165 / 5825MHz

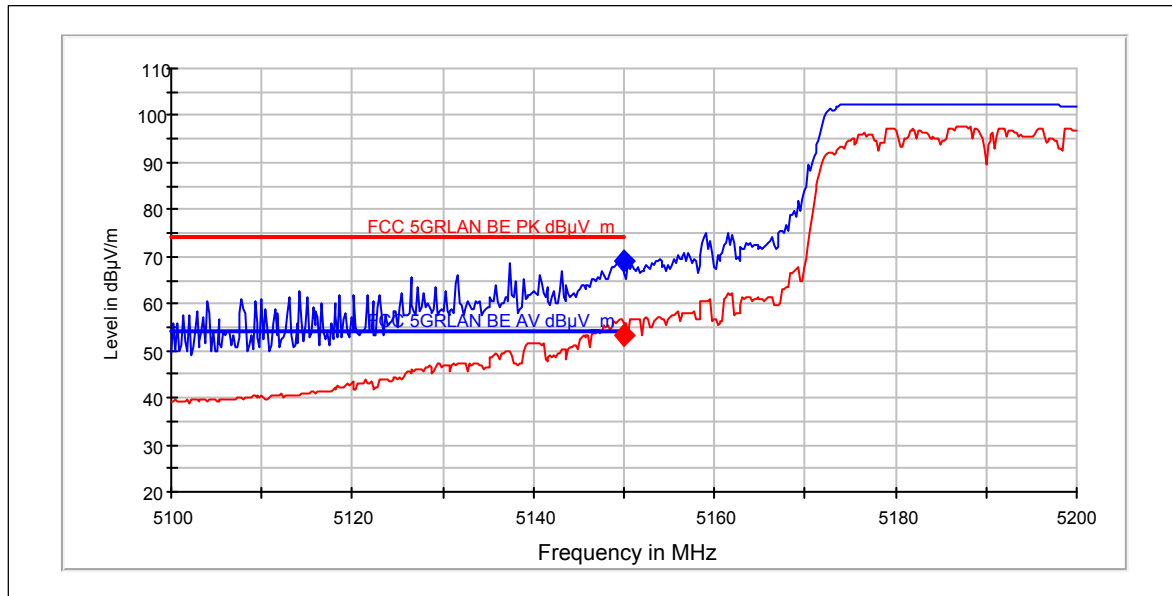


Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5860.01         | 60.65            | 68.23          | 7.58        | 170         | V   | -3            | 0.5             | PASSED  |

### 2.3.3 802.11n, BPSK modulation, 13.5 / 15.0 Mbps data rate.

Channel 36+40 / 5190MHz



Peak (RBW: 1 MHz, VBW: 3 MHz)

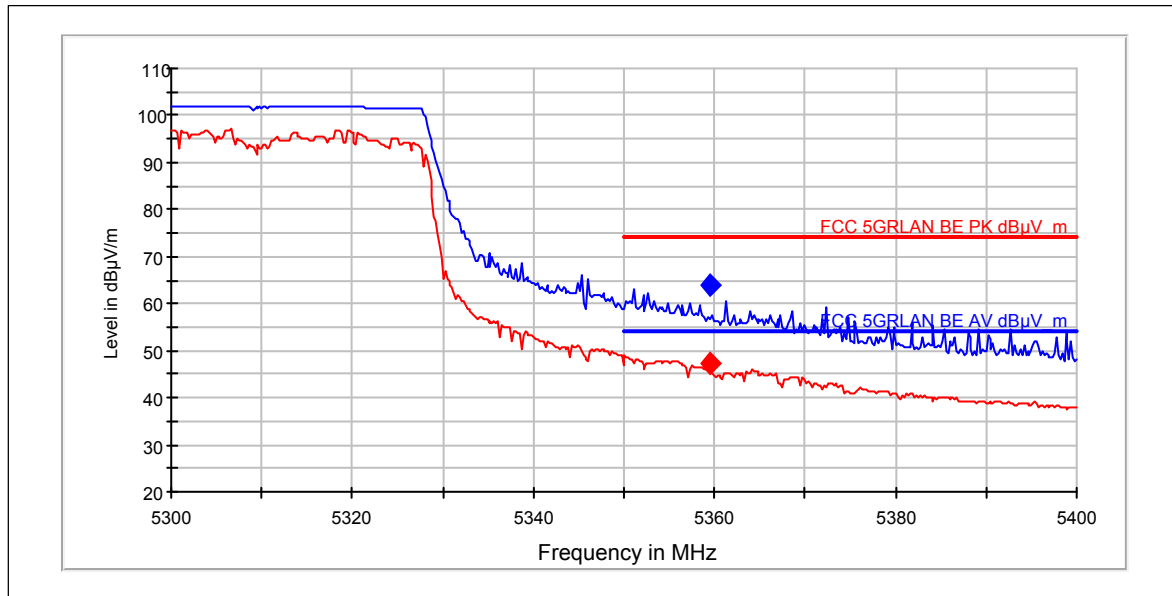
| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5150            | 68.85            | 74             | 5.15        | 170         | V   | -1            | 2.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5150            | 53.21            | 54             | 0.79        | 170         | V   | -1            | 2.5             | PASSED  |



Channel 60+64 / 5310MHz



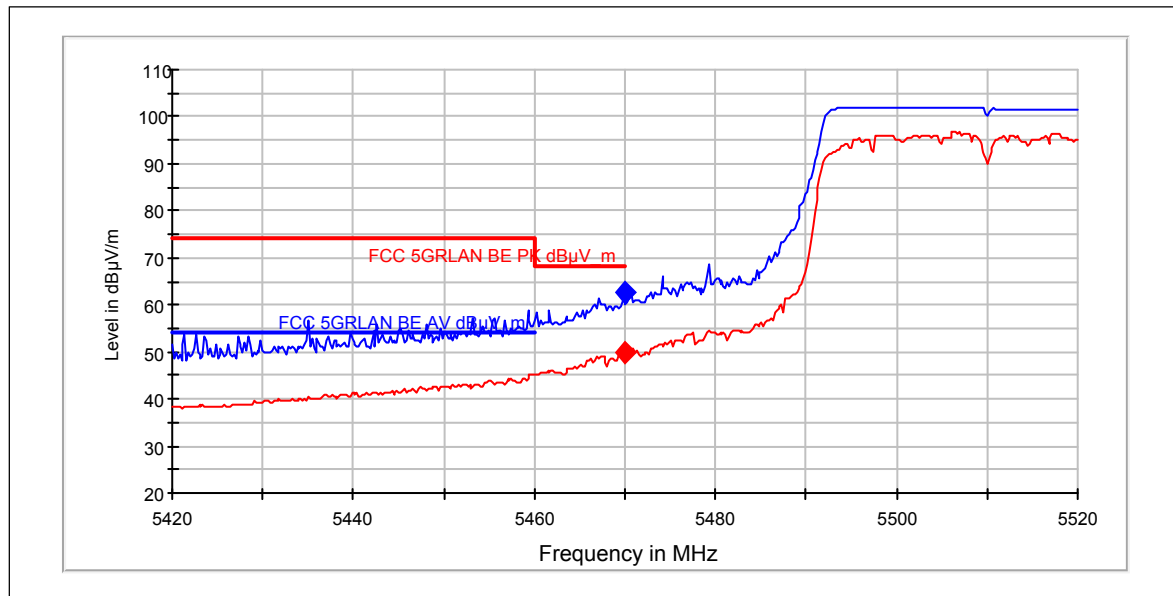
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5359.419        | 64               | 74             | 10          | 170         | V   | 15            | 2.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5359.419        | 47.09            | 54             | 6.91        | 170         | V   | 15            | 2.5             | PASSED  |

Channel 100+104 / 5510MHz



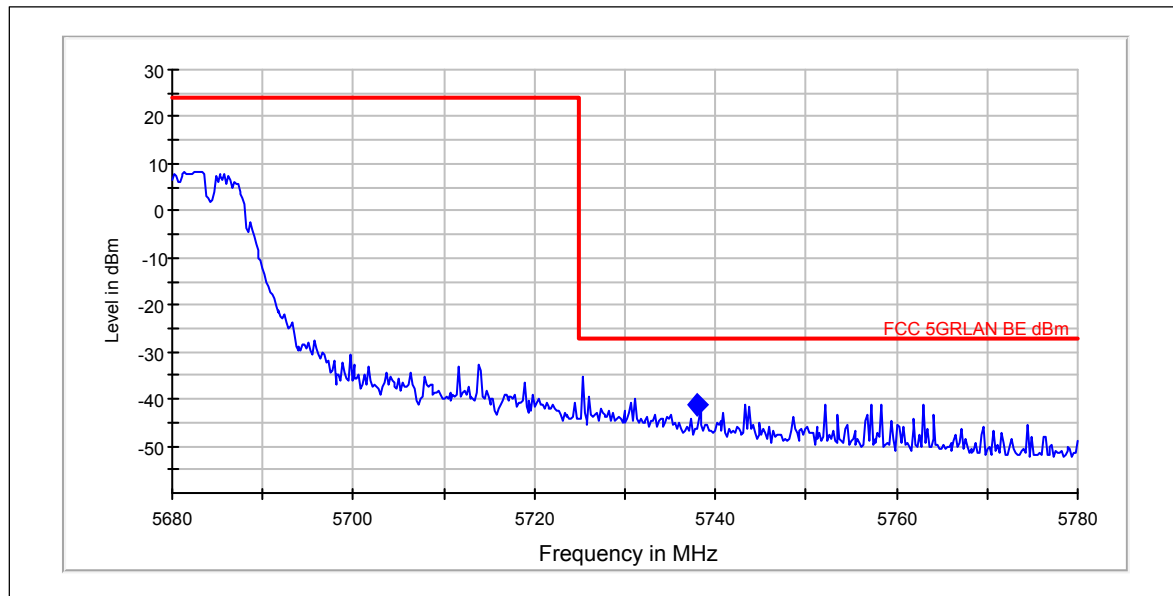
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5469.9          | 62.73            | 68.2           | 5.47        | 170         | V   | 16            | 1.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5469.9          | 49.94            | ---            | ---         | 170         | V   | 16            | 1.5             | PASSED  |

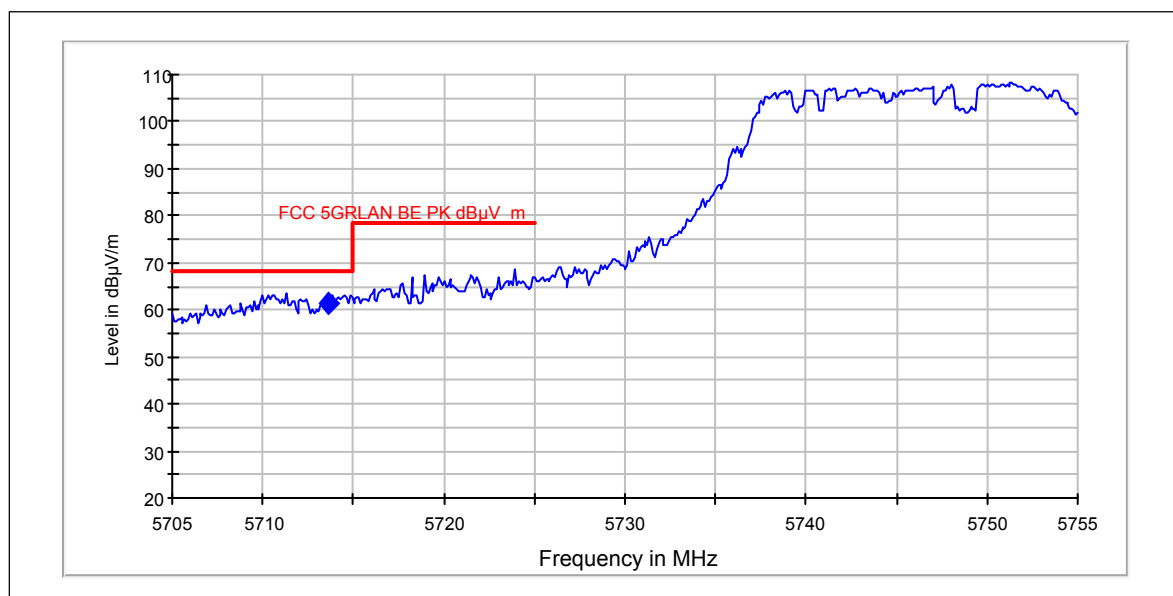
Channel 132+136 / 5670MHz



Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5737.896        | -41.09        | -27         | 14.09       | 170         | V   | -22           | 2.5             | PASSED  |

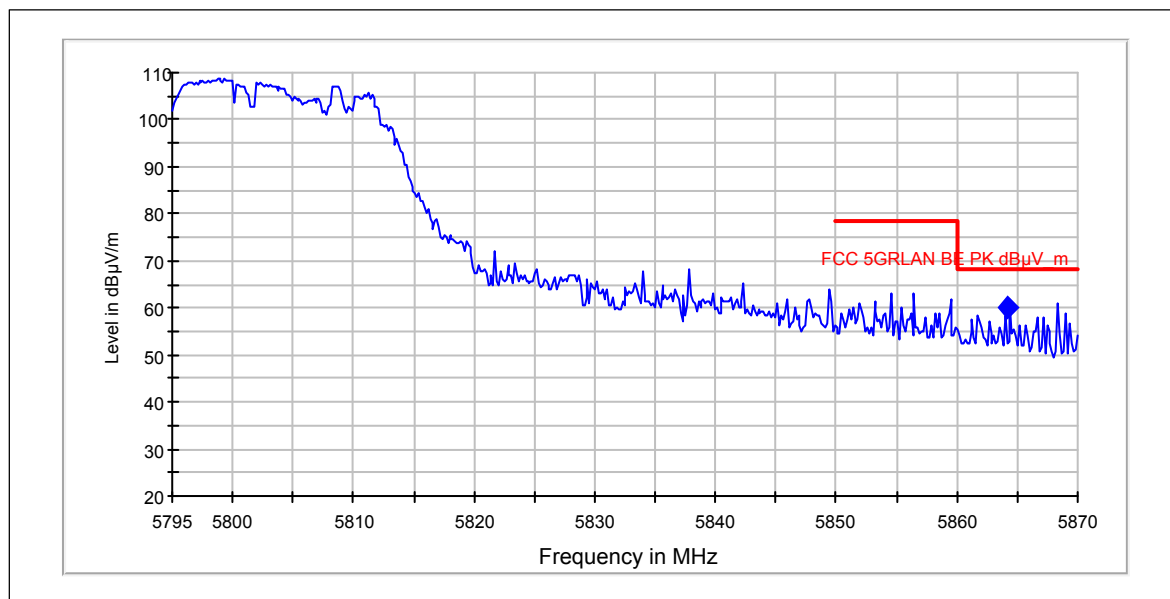
Channel 149+153 / 5755MHz



Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5713.657        | 61.37            | 68.23          | 6.86        | 170         | V   | 15            | 0               | PASSED  |

Channel 157+161 / 5795MHz

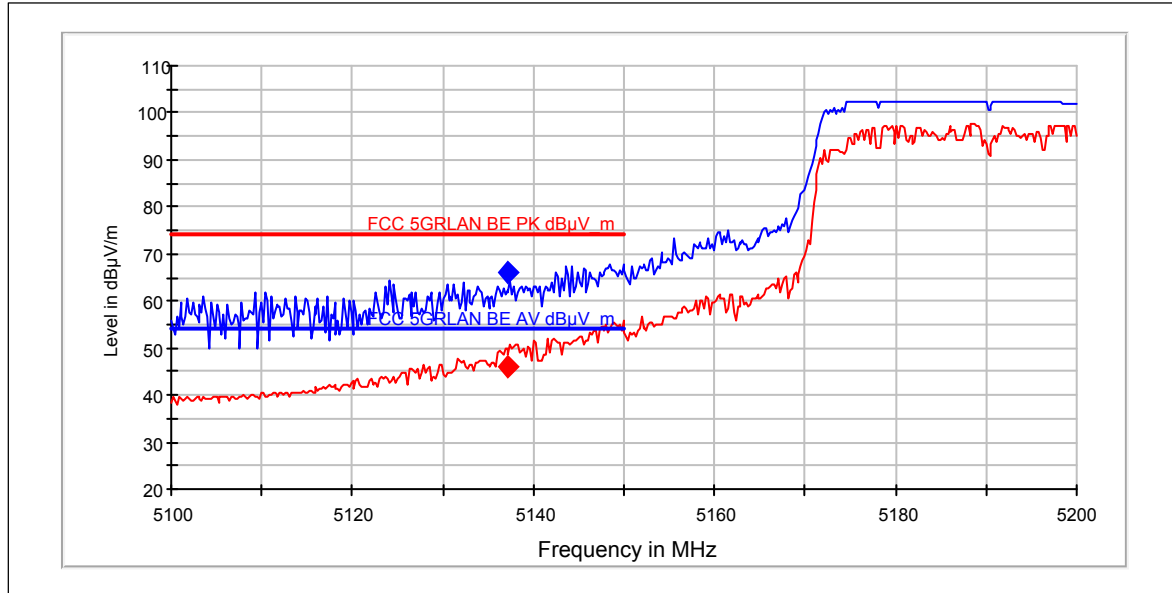


Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5864.188        | 60.05            | 68.23          | 8.18        | 170         | H   | -21           | 0.5             | PASSED  |

### 2.3.4 802.11n, QPSK modulation, 27.0 / 30.0 Mbps data rate.

Channel 36+40 / 5190MHz



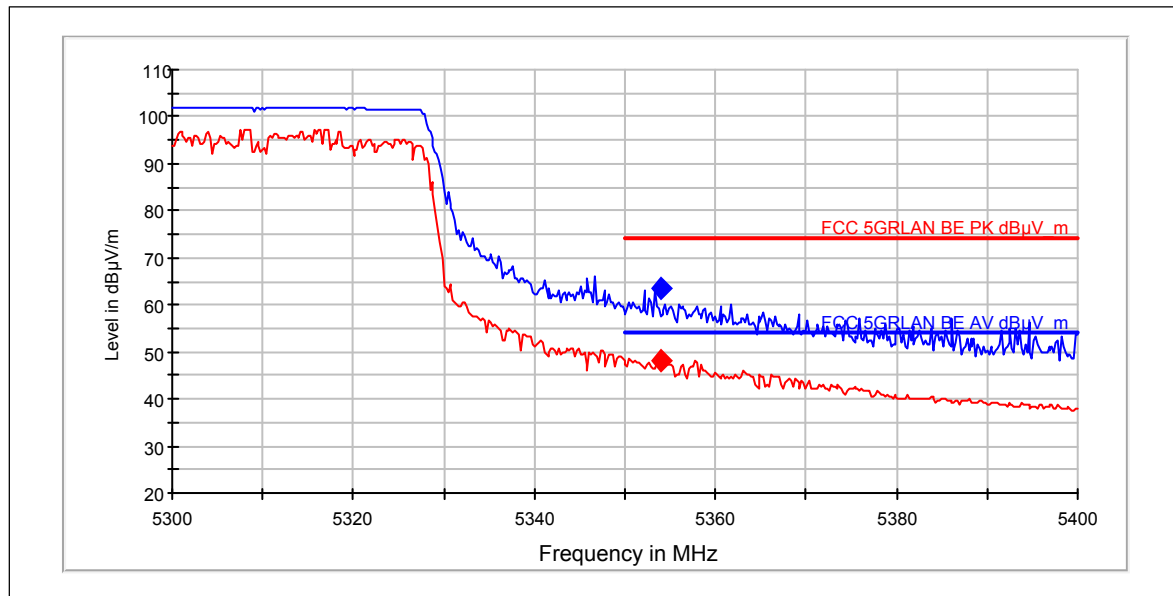
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5137.174        | 66.1             | 74             | 7.9         | 170         | V   | 1             | 2               | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5137.174        | 46.21            | 54             | 7.79        | 170         | V   | 1             | 2               | PASSED  |

Channel 60+64 / 5310MHz



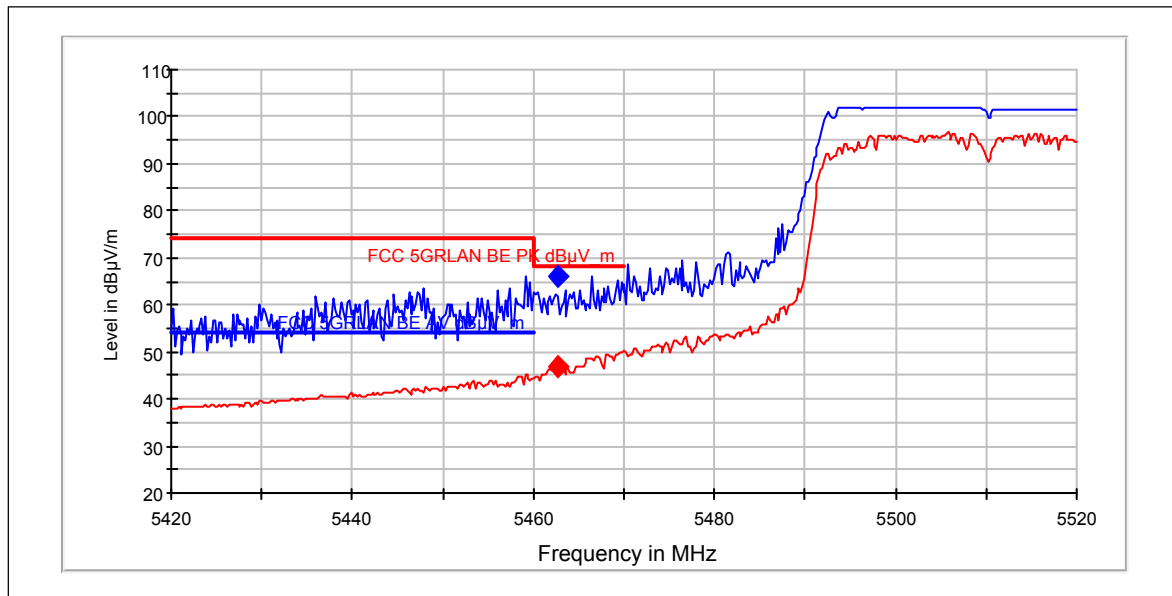
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5354.008        | 63.38            | 74             | 10.62       | 170         | V   | 17            | 2.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5354.008        | 48.03            | 54             | 5.97        | 170         | V   | 17            | 2.5             | PASSED  |

Channel 100+104 / 5510MHz



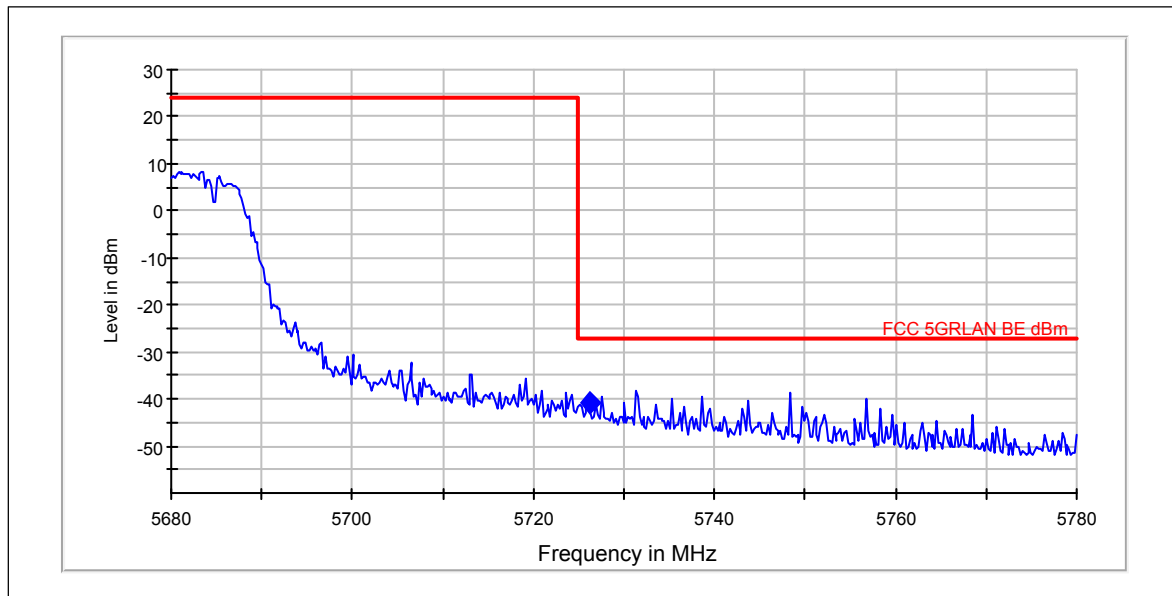
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5462.786        | 66.15            | 68.2           | 2.05        | 170         | V   | 15            | 0.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5462.786        | 46.79            | ---            | ---         | 170         | V   | 15            | 0.5             | PASSED  |

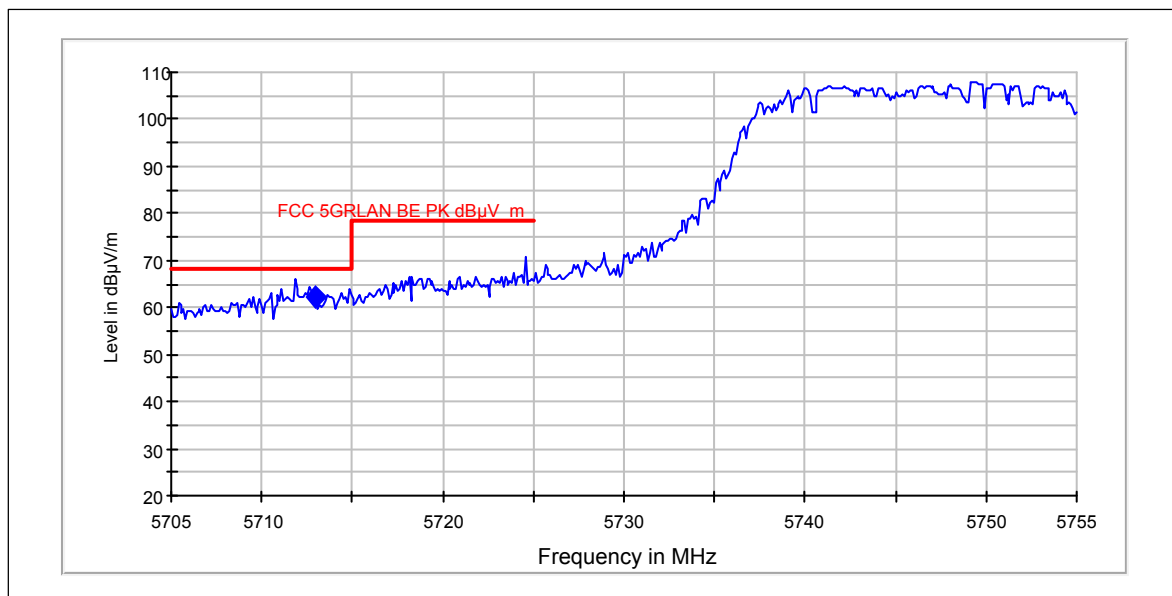
Channel 132+136 / 5670MHz



Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5726.323        | -40.87        | -27         | 13.87       | 170         | V   | 11            | 2.5             | PASSED  |

Channel 149+153 / 5755MHz

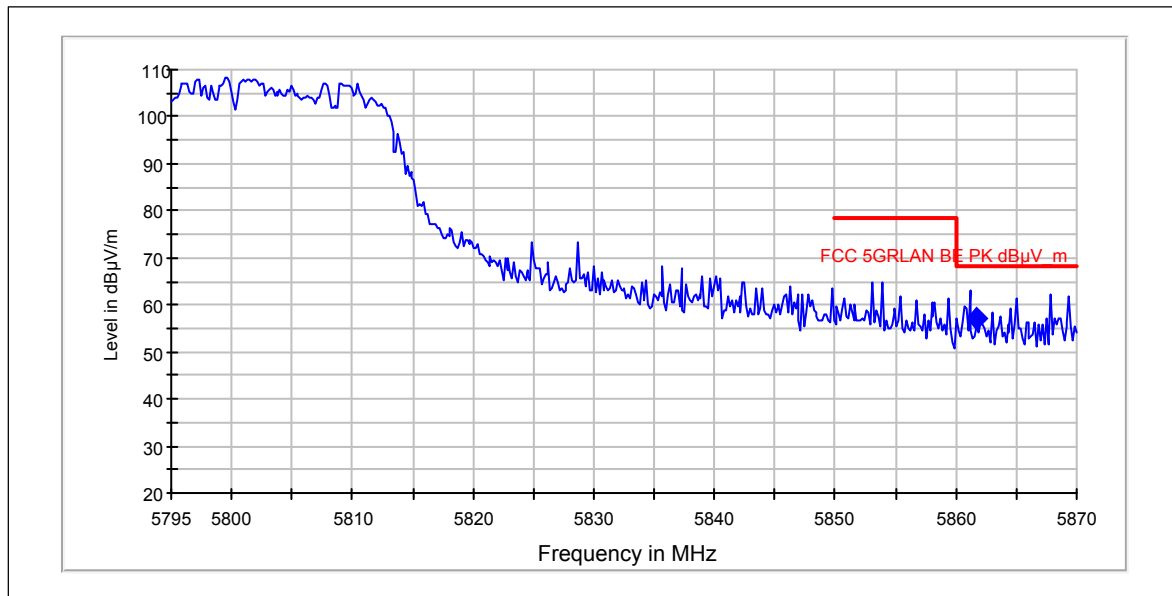


Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5712.976        | 62.1             | 68.23          | 6.13        | 170         | V   | -21           | 1.5             | PASSED  |



Channel 157+161 / 5795MHz

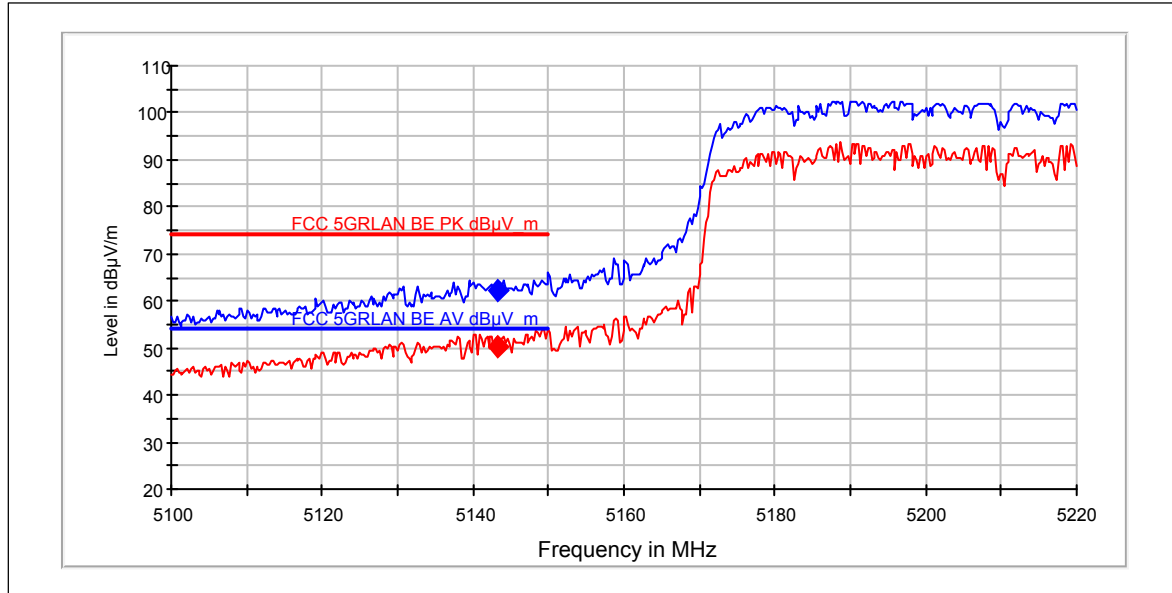


Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5861.623        | 57.15            | 68.23          | 11.08       | 170         | V   | -4            | 1               | PASSED  |

### 2.3.5 802.11ac, BPSK modulation, 29.3 / 32.5 Mbps data rate.

Channel 36-48 / 5210MHz



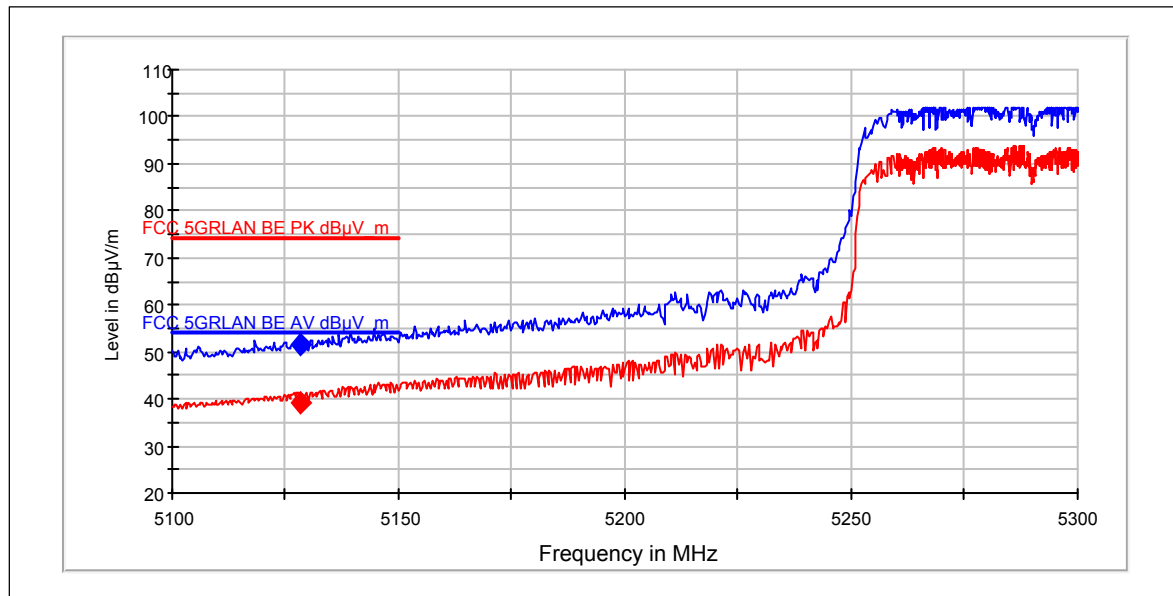
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5143.186        | 62.39            | 74             | 11.61       | 170         | V   | 18            | 2.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5143.186        | 50.17            | 54             | 3.83        | 170         | V   | 18            | 2.5             | PASSED  |

Channel 52-64 / 5290MHz



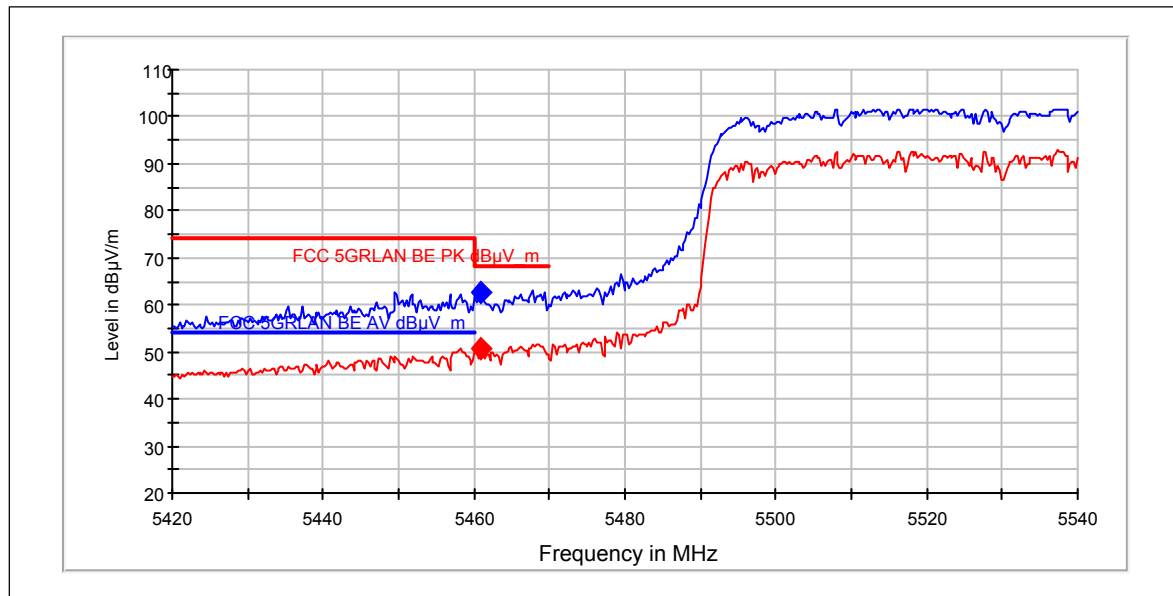
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5128.532        | 51.69            | 74             | 22.31       | 170         | V   | 22            | 2               | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5128.532        | 39.11            | 54             | 14.89       | 170         | V   | 22            | 2               | PASSED  |

Channel 100-112 / 5530MHz



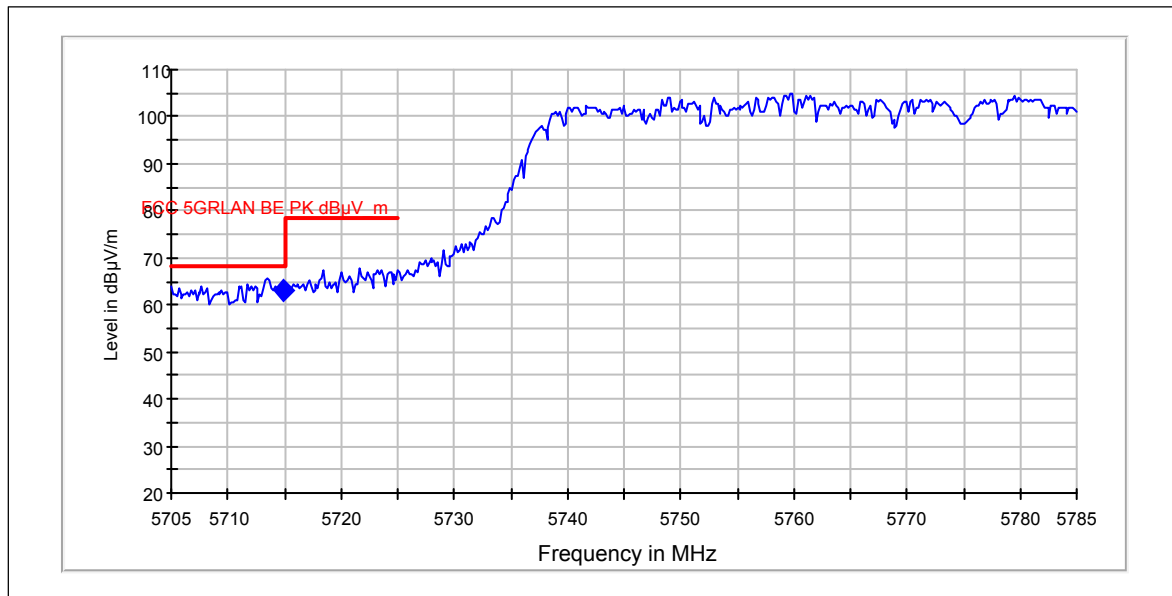
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5460.882        | 62.78            | 68.2           | 5.42        | 170         | V   | 16            | 1               | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5460.882        | 50.56            | ---            | ---         | 170         | V   | 16            | 1               | PASSED  |

Channel 149-161 / 5775MHz

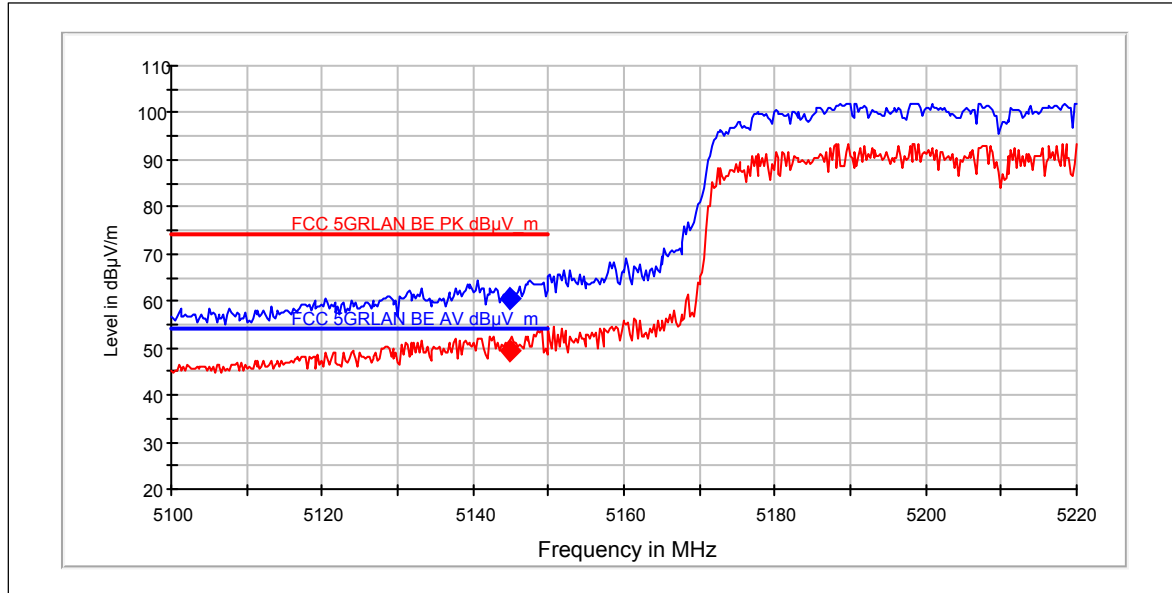


Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5714.9          | 63.15            | 68.23          | 5.08        | 170         | V   | 1             | 2.5             | PASSED  |

### 2.3.6 802.11ac, 16QAM modulation, 175.5 / 195.0 Mbps data rate.

Channel 36-48 / 5210MHz



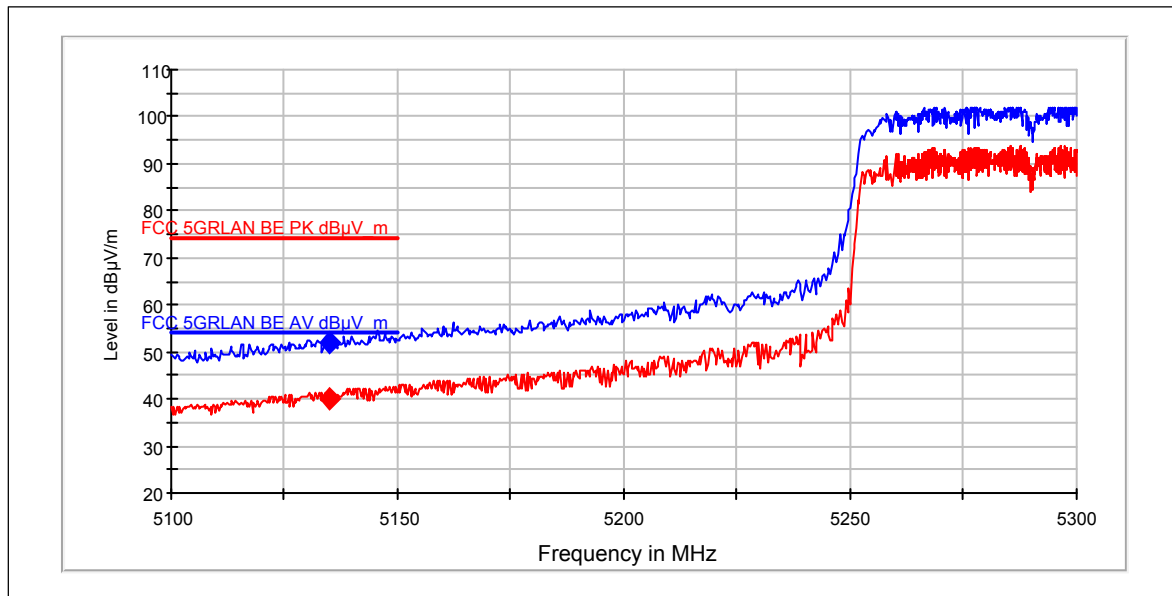
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5144.79         | 60.43            | 74             | 13.57       | 170         | V   | 22            | 2.5             | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5144.79         | 49.22            | 54             | 4.78        | 170         | V   | 22            | 2.5             | PASSED  |

Channel 52-64 / 5290MHz



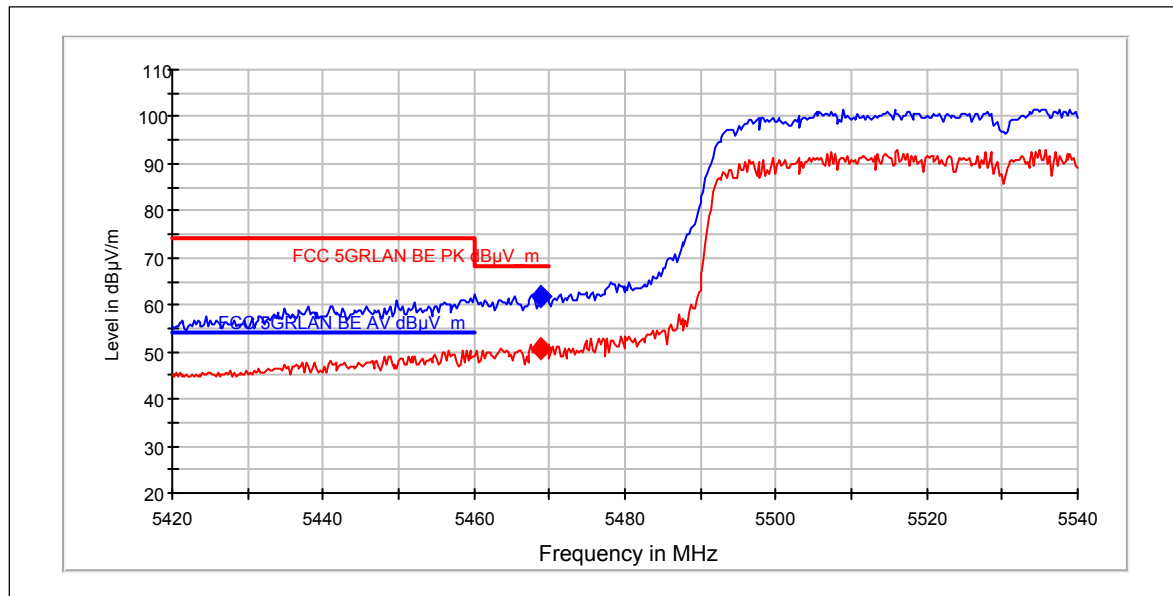
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5134.995        | 52.18            | 74             | 21.82       | 170         | V   | 18            | 2               | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5134.995        | 40               | 54             | 14          | 170         | V   | 18            | 2               | PASSED  |

Channel 100-112 / 5530MHz



Peak (RBW: 1 MHz, VBW: 3 MHz)

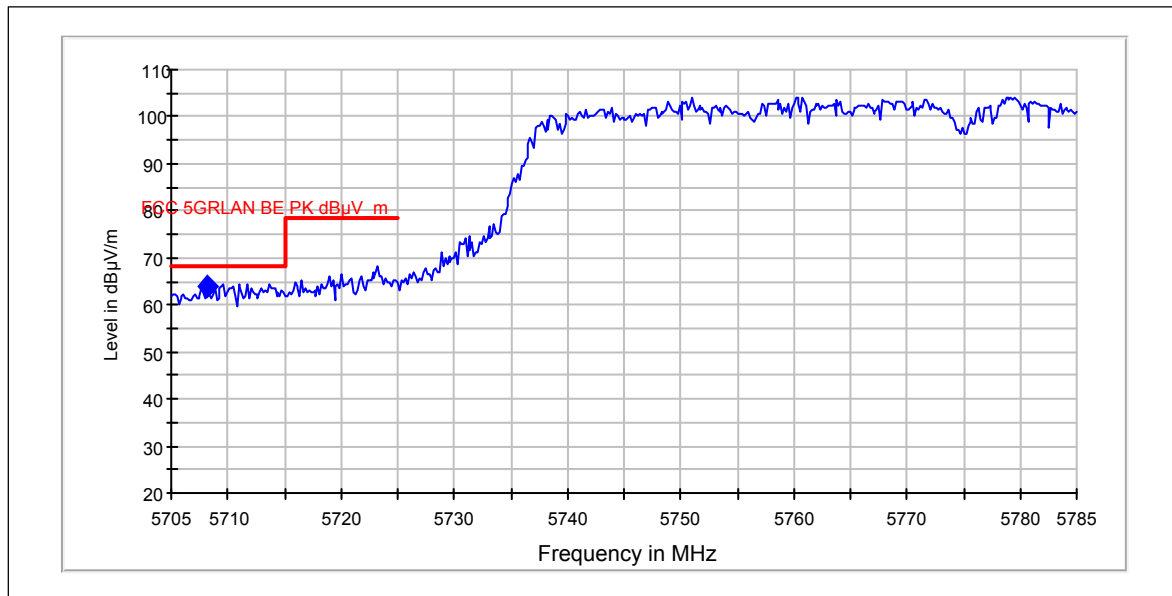
| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5468.898        | 61.87            | 68.2           | 6.33        | 170         | V   | 15            | 0               | PASSED  |

Average (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | Average [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5468.898        | 50.73            | ---            | ---         | 170         | V   | 15            | 0               | PASSED  |



Channel 149-161 / 5775MHz



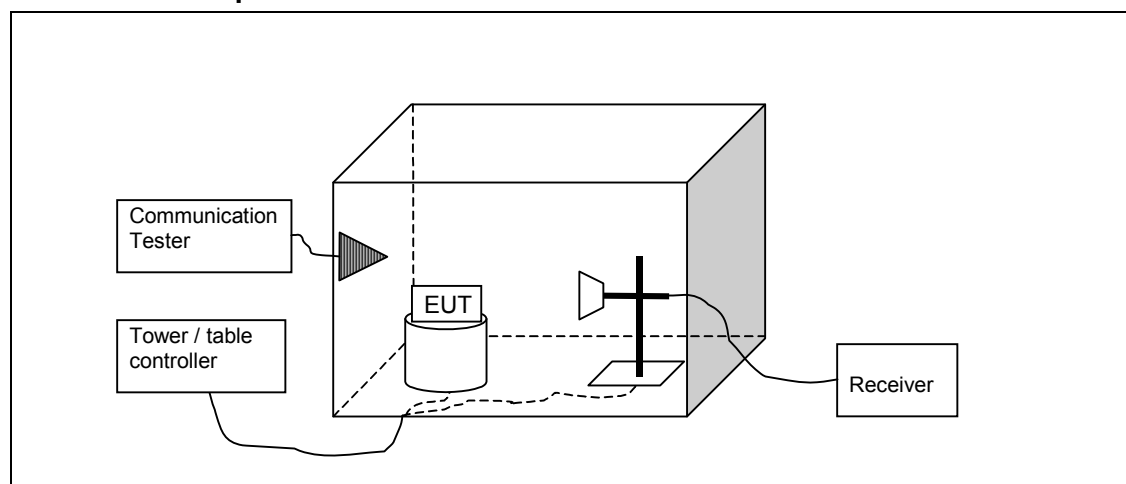
Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | MaxPeak [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Pol | Azimuth [deg] | Elevation [deg] | Results |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|-----------------|---------|
| 5708.246        | 63.76            | 68.23          | 4.47        | 170         | V   | -22           | 1.5             | PASSED  |

### 3. Spurious radiated emissions (FCC 15.407(b), RSS-247 6.2)

|                                                 |                                                               |
|-------------------------------------------------|---------------------------------------------------------------|
| EUT with DUT number                             | RM-1104, DUT 400056                                           |
| Accessories with DUT numbers                    | BV-T5E, DUT 400027 ; AC-100E, DUT 400013 ; WH-308, DUT 400014 |
| Operation Voltage [V] / [Hz]                    | Nominal                                                       |
| Results                                         | PASSED                                                        |
| Remarks                                         | -                                                             |
| Temp [°C] / Humidity [%RH] / Air Pressure [kPa] | 20 / 40 / 102.9                                               |
| Date of measurements                            | 28-Oct-2015                                                   |
| Measured by                                     | Timo Raiskio                                                  |

#### 3.1.1 Test setup



#### 3.2. Test method and limit

The measurement is made the following way:

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with absorbers on the floor and measuring antenna at fixed height using 2-axis EUT position system.

The Final Measurement is performed in the Semi-Anechoic Chamber with conducting metal floor, if the Preliminary Measurement results are closer than 20 dB to the permissible value.

The EUT is placed at nonconductive plate at the turntable center.

For each suspected frequency, the turntable is rotated 360 degrees and antenna is scanned from 1 to 4 m. This is repeated for both horizontal and vertical receive antenna polarizations.

The emissions less than 20 dB below the permissible value are reported.

The measurement is made up to 10th harmonic of the EUT highest TX channel.

The measurement results are obtained as described below:

$$E [dB\mu V/m] = U_{RX} + A_{TOT}$$

Where  $U_{RX}$  is receiver reading and  $A_{TOT}$  is total correction factor including cable loss, antenna factor and preamplifier gain ( $A_{TOT} = L_{CABLES} + A_F - G_{PREAMP}$ ).

Limits for spurious radiated emissions measurements (3 m measurement distance)

There are 2 sets of limit lines. Part 15.209 limits and RSS-Gen apply below 1 GHz and on restricted bands above 1GHz. The other limits are described in the table below.

| Frequency range [MHz] | Limit [dBm / MHz]                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------|
| 5150 - 5250           | 1 GHz – 5.15 GHz, 5.35 GHz – 40 GHz: -27                                                        |
| 5250 - 5350           | 1 GHz – 5.15 GHz, 5.35 GHz – 40 GHz: -27                                                        |
| 5470 - 5725           | 1 GHz – 5.47 GHz, 5.725 GHz – 40 GHz: -27                                                       |
| 5725 - 5850           | 1 GHz – 5.715 GHz, 5.860 GHz – 40 GHz: -27<br>5.715 GHz – 5.725 GHz, 5.850 GHz – 5.860 GHz: -17 |

### 3.3. 5 GHz RLAN test results

#### 3.3.1 802.11a, BPSK modulation, 6 Mbps data rate.

Channel 36 / 5180MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10360.8         | 49.8       | 309.03   | 43.9                   | 5.9                   | 68             | 18.43  | PASSED  |
| 15534           | 44.7       | 171.791  | 42.1                   | 2.6                   | 74             | 29.28  | PASSED  |
| 20717.9         | 48.79      | 275.106  | 42.09                  | 6.7                   | 74             | 25.19  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10360.8         | 36.53      | 67.066   | 30.63                  | 5.9                   | ---            | ---    | PASSED  |
| 15534           | 31.46      | 37.411   | 28.86                  | 2.6                   | 54             | 22.54  | PASSED  |
| 20717.9         | 34.97      | 56.04    | 28.27                  | 6.7                   | 54             | 19.03  | PASSED  |

Channel 40 / 5200MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 910.945         | 41.48      | 118.577  | 58.18                  | -16.7                 | 46             | 4.54   | PASSED  |

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5170.297        | 63.55      | 1504.874 | 61.85                  | 1.7                   | 68             | 4.68   | PASSED  |
| 5228.5          | 61.72      | 1218.99  | 60.52                  | 1.2                   | 68             | 6.51   | PASSED  |
| 10401.5         | 49.13      | 286.088  | 43.33                  | 5.8                   | 68             | 19.1   | PASSED  |
| 15598.1         | 44.1       | 160.325  | 41.7                   | 2.4                   | 74             | 29.88  | PASSED  |
| 20801.9         | 46.58      | 213.304  | 40.28                  | 6.3                   | 74             | 27.4   | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5170.297        | 48.4       | 263.027  | 46.7                   | 1.7                   | ---            | ---    | PASSED  |
| 5228.5          | 47.52      | 237.684  | 46.32                  | 1.2                   | ---            | ---    | PASSED  |
| 10401.5         | 35.42      | 59.02    | 29.62                  | 5.8                   | ---            | ---    | PASSED  |
| 15598.1         | 30.76      | 34.514   | 28.36                  | 2.4                   | 54             | 23.24  | PASSED  |
| 20801.9         | 33.79      | 48.922   | 27.49                  | 6.3                   | 54             | 20.21  | PASSED  |

### Channel 48 / 5240MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10476           | 49.05      | 283.465  | 43.05                  | 6                     | 68             | 19.18  | PASSED  |
| 15723.2         | 46.64      | 214.783  | 44.44                  | 2.2                   | 74             | 27.34  | PASSED  |
| 20966.7         | 47.04      | 224.905  | 40.74                  | 6.3                   | 74             | 26.94  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10476           | 35.78      | 61.518   | 29.78                  | 6                     | ---            | ---    | PASSED  |
| 15723.2         | 32.54      | 42.364   | 30.34                  | 2.2                   | 54             | 21.46  | PASSED  |
| 20966.7         | 34.26      | 51.642   | 27.96                  | 6.3                   | 54             | 19.74  | PASSED  |

### Channel 52 / 5260MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10511           | 48.87      | 277.651  | 42.67                  | 6.2                   | 68             | 19.36  | PASSED  |
| 15775.4         | 48.8       | 275.423  | 46.7                   | 2.1                   | 74             | 25.18  | PASSED  |
| 21042.7         | 48.11      | 254.39   | 41.81                  | 6.3                   | 74             | 25.87  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10511           | 35.89      | 62.302   | 29.69                  | 6.2                   | ---            | ---    | PASSED  |
| 15775.4         | 33.09      | 45.134   | 30.99                  | 2.1                   | 54             | 20.91  | PASSED  |
| 21042.7         | 34.51      | 53.15    | 28.21                  | 6.3                   | 54             | 19.49  | PASSED  |

### Channel 60 / 5300MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 30.06           | 26.1       | 20.184   | 46.8                   | -20.7                 | 40             | 13.9   | PASSED  |

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5271.5          | 60.3       | 1035.142 | 59.3                   | 1                     | 68             | 7.93   | PASSED  |
| 5329.5          | 62.14      | 1279.381 | 61.24                  | 0.9                   | 68             | 6.09   | PASSED  |
| 10599.3         | 49.7       | 305.492  | 43.1                   | 6.6                   | 68             | 18.53  | PASSED  |
| 15898.5         | 44.87      | 175.186  | 42.57                  | 2.3                   | 74             | 29.11  | PASSED  |
| 21200.9         | 45.93      | 197.925  | 39.63                  | 6.3                   | 74             | 28.05  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5271.5          | 44.66      | 171.002  | 43.66                  | 1                     | ---            | ---    | PASSED  |

|         |       |         |       |     |     |       |        |
|---------|-------|---------|-------|-----|-----|-------|--------|
| 5329.5  | 45.73 | 193.419 | 44.83 | 0.9 | --- | ---   | PASSED |
| 10599.3 | 36.62 | 67.764  | 30.02 | 6.6 | --- | ---   | PASSED |
| 15898.5 | 30.99 | 35.441  | 28.69 | 2.3 | 54  | 23.01 | PASSED |
| 21200.9 | 33.34 | 46.452  | 27.04 | 6.3 | 54  | 20.66 | PASSED |

#### Channel 64 / 5320MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10640.4         | 49.82      | 309.742  | 43.32                  | 6.5                   | 74             | 24.16  | PASSED  |
| 15960.6         | 53.16      | 454.988  | 50.86                  | 2.3                   | 74             | 20.82  | PASSED  |
| 21273.5         | 46.29      | 206.3    | 40.39                  | 5.9                   | 74             | 27.69  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10640.4         | 37.21      | 72.527   | 30.71                  | 6.5                   | 54             | 16.79  | PASSED  |
| 15960.6         | 36.73      | 68.628   | 34.43                  | 2.3                   | 54             | 17.27  | PASSED  |
| 21273.5         | 33.04      | 44.875   | 27.14                  | 5.9                   | 54             | 20.96  | PASSED  |

#### Channel 100 / 5500MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10995.6         | 49.58      | 301.301  | 42.38                  | 7.2                   | 74             | 24.4   | PASSED  |
| 16494.7         | 51.56      | 378.443  | 48.56                  | 3                     | 68             | 16.67  | PASSED  |
| 22008.4         | 47.21      | 229.351  | 41.31                  | 5.9                   | 68             | 21.02  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10995.6         | 36.32      | 65.464   | 29.12                  | 7.2                   | 54             | 17.68  | PASSED  |
| 16494.7         | 36.09      | 63.753   | 33.09                  | 3                     | ---            | ---    | PASSED  |
| 22008.4         | 33.94      | 49.774   | 28.04                  | 5.9                   | ---            | ---    | PASSED  |

#### Channel 116 / 5580MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5551.9          | 61.6       | 1202.264 | 60.8                   | 0.8                   | 68             | 6.63   | PASSED  |
| 11160           | 49.21      | 288.735  | 41.81                  | 7.4                   | 74             | 24.77  | PASSED  |
| 16739.9         | 44.61      | 170.02   | 41.81                  | 2.8                   | 68             | 23.62  | PASSED  |
| 22321.2         | 45.86      | 196.336  | 39.76                  | 6.1                   | 74             | 28.12  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5551.9          | 43.44      | 148.594  | 42.64                  | 0.8                   | ---            | ---    | PASSED  |
| 11160           | 36.19      | 64.491   | 28.79                  | 7.4                   | 54             | 17.81  | PASSED  |
| 16739.9         | 31.55      | 37.801   | 28.75                  | 2.8                   | ---            | ---    | PASSED  |
| 22321.2         | 33.09      | 45.134   | 26.99                  | 6.1                   | 54             | 20.91  | PASSED  |

Channel 140 / 5700MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11410           | 50.36      | 329.61   | 42.66                  | 7.7                   | 74             | 23.62  | PASSED  |
| 17099.9         | 49.69      | 305.141  | 46.19                  | 3.5                   | 68             | 18.54  | PASSED  |
| 22803.3         | 48.09      | 253.805  | 41.09                  | 7                     | 74             | 25.89  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11410           | 37.02      | 70.958   | 29.32                  | 7.7                   | 54             | 16.98  | PASSED  |
| 17099.9         | 33.69      | 48.362   | 30.19                  | 3.5                   | ---            | ---    | PASSED  |
| 22803.3         | 34.69      | 54.263   | 27.69                  | 7                     | 54             | 19.31  | PASSED  |

Channel 149 / 5745MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11483.4         | 50.53      | 336.124  | 42.53                  | 8                     | 74             | 23.45  | PASSED  |
| 17229.8         | 50.32      | 328.095  | 46.82                  | 3.5                   | 68             | 17.91  | PASSED  |
| 22970           | 46.52      | 211.836  | 40.02                  | 6.5                   | 74             | 27.46  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11483.4         | 37.03      | 71.04    | 29.03                  | 8                     | 54             | 16.97  | PASSED  |
| 17229.8         | 33.91      | 49.602   | 30.41                  | 3.5                   | ---            | ---    | PASSED  |
| 22970           | 33.45      | 47.044   | 26.95                  | 6.5                   | 54             | 20.55  | PASSED  |

Channel 157 / 5785MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 910.985         | 20.86      | 11.041   | 37.56                  | -16.7                 | 46             | 25.16  | PASSED  |

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5765            | 65.93      | 1979.247 | 64.53                  | 1.4                   | 68             | 2.3    | PASSED  |
| 5805.1          | 66.52      | 2118.361 | 64.82                  | 1.7                   | 68             | 1.71   | PASSED  |
| 11565.2         | 49.84      | 310.456  | 41.84                  | 8                     | 74             | 24.14  | PASSED  |
| 17347.3         | 44.51      | 168.074  | 40.71                  | 3.8                   | 68             | 23.72  | PASSED  |
| 23140.1         | 47.51      | 237.411  | 40.71                  | 6.8                   | 68             | 20.72  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5765            | 51.6       | 380.189  | 50.2                   | 1.4                   | ---            | ---    | PASSED  |
| 5805.1          | 50.78      | 345.939  | 49.08                  | 1.7                   | ---            | ---    | PASSED  |
| 11565.2         | 36.85      | 69.582   | 28.85                  | 8                     | 54             | 17.15  | PASSED  |
| 17347.3         | 31.54      | 37.757   | 27.74                  | 3.8                   | ---            | ---    | PASSED  |
| 23140.1         | 34.39      | 52.42    | 27.59                  | 6.8                   | ---            | ---    | PASSED  |

Channel 165 / 5825MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11653.3         | 48.77      | 274.473  | 41.47                  | 7.3                   | 74             | 25.21  | PASSED  |
| 17443.9         | 45.87      | 196.562  | 41.77                  | 4.1                   | 68             | 22.36  | PASSED  |
| 23303.4         | 48         | 251.189  | 40.9                   | 7.1                   | 68             | 20.23  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11653.3         | 35.84      | 61.944   | 28.54                  | 7.3                   | 54             | 18.16  | PASSED  |
| 17443.9         | 31.59      | 37.975   | 27.49                  | 4.1                   | ---            | ---    | PASSED  |
| 23303.4         | 34.62      | 53.827   | 27.52                  | 7.1                   | ---            | ---    | PASSED  |

### 3.3.2 802.11a, QPSK modulation, 18 Mbps data rate.

Channel 36 / 5180MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10354.1         | 48.99      | 281.514  | 43.09                  | 5.9                   | 68             | 19.24  | PASSED  |
| 15547.7         | 46.14      | 202.768  | 43.44                  | 2.7                   | 74             | 27.84  | PASSED  |
| 20720.2         | 47.47      | 236.32   | 40.77                  | 6.7                   | 74             | 26.51  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10354.1         | 36.07      | 63.606   | 30.17                  | 5.9                   | ---            | ---    | PASSED  |
| 15547.7         | 32.07      | 40.133   | 29.37                  | 2.7                   | 54             | 21.93  | PASSED  |
| 20720.2         | 34.08      | 50.582   | 27.38                  | 6.7                   | 54             | 19.92  | PASSED  |



Channel 40 / 5200MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5166.453        | 60.99      | 1120.727 | 59.29                  | 1.7                   | 68             | 7.24   | PASSED  |
| 5171.9          | 63.01      | 1414.165 | 61.31                  | 1.7                   | 68             | 5.22   | PASSED  |
| 5228.7          | 61.86      | 1238.797 | 60.66                  | 1.2                   | 68             | 6.37   | PASSED  |
| 10400.9         | 48.48      | 265.461  | 42.68                  | 5.8                   | 68             | 19.75  | PASSED  |
| 15601.8         | 44.86      | 174.985  | 42.46                  | 2.4                   | 74             | 29.12  | PASSED  |
| 20800.7         | 47.52      | 237.684  | 41.12                  | 6.4                   | 74             | 26.46  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5166.453        | 43.49      | 149.451  | 41.79                  | 1.7                   | ---            | ---    | PASSED  |
| 5171.9          | 48.56      | 267.917  | 46.86                  | 1.7                   | ---            | ---    | PASSED  |
| 5228.7          | 46.01      | 199.756  | 44.81                  | 1.2                   | ---            | ---    | PASSED  |
| 10400.9         | 35.6       | 60.256   | 29.8                   | 5.8                   | ---            | ---    | PASSED  |
| 15601.8         | 30.77      | 34.554   | 28.37                  | 2.4                   | 54             | 23.23  | PASSED  |
| 20800.7         | 33.81      | 49.034   | 27.41                  | 6.4                   | 54             | 20.19  | PASSED  |

Channel 48 / 5240MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10485.2         | 48.94      | 279.898  | 42.94                  | 6                     | 68             | 19.29  | PASSED  |
| 15726.5         | 45.13      | 180.509  | 42.93                  | 2.2                   | 74             | 28.85  | PASSED  |
| 20962.7         | 49.61      | 302.343  | 43.31                  | 6.3                   | 74             | 24.37  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10485.2         | 35.79      | 61.589   | 29.79                  | 6                     | ---            | ---    | PASSED  |
| 15726.5         | 31.91      | 39.4     | 29.71                  | 2.2                   | 54             | 22.09  | PASSED  |
| 20962.7         | 36.18      | 64.417   | 29.88                  | 6.3                   | 54             | 17.82  | PASSED  |

Channel 52 / 5260MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10518.4         | 49.83      | 310.099  | 43.63                  | 6.2                   | 68             | 18.4   | PASSED  |
| 15785.3         | 47.22      | 229.615  | 45.12                  | 2.1                   | 74             | 26.76  | PASSED  |
| 21034.1         | 47.11      | 226.725  | 40.71                  | 6.4                   | 74             | 26.87  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10518.4         | 36.56      | 67.298   | 30.36                  | 6.2                   | ---            | ---    | PASSED  |
| 15785.3         | 32.63      | 42.806   | 30.53                  | 2.1                   | 54             | 21.37  | PASSED  |
| 21034.1         | 34.3       | 51.88    | 27.9                   | 6.4                   | 54             | 19.7   | PASSED  |

## Channel 60 / 5300MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5254.144        | 51.69      | 384.149  | 50.59                  | 1.1                   | 68             | 16.54  | PASSED  |
| 5271.5          | 61.21      | 1149.476 | 60.21                  | 1                     | 68             | 7.02   | PASSED  |
| 5328.2          | 62.94      | 1402.814 | 62.04                  | 0.9                   | 68             | 5.29   | PASSED  |
| 10598.4         | 49.98      | 315.5    | 43.38                  | 6.6                   | 68             | 18.25  | PASSED  |
| 15898.8         | 44.23      | 162.742  | 41.93                  | 2.3                   | 74             | 29.75  | PASSED  |
| 21200.6         | 46.03      | 200.217  | 39.73                  | 6.3                   | 74             | 27.95  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5254.144        | 38.53      | 84.431   | 37.43                  | 1.1                   | ---            | ---    | PASSED  |
| 5271.5          | 45.04      | 178.649  | 44.04                  | 1                     | ---            | ---    | PASSED  |
| 5328.2          | 45.96      | 198.609  | 45.06                  | 0.9                   | ---            | ---    | PASSED  |
| 10598.4         | 36.44      | 66.374   | 29.84                  | 6.6                   | ---            | ---    | PASSED  |
| 15898.8         | 31.15      | 36.099   | 28.85                  | 2.3                   | 54             | 22.85  | PASSED  |
| 21200.6         | 33.23      | 45.867   | 26.93                  | 6.3                   | 54             | 20.77  | PASSED  |

## Channel 64 / 5320MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10638.8         | 50.63      | 340.017  | 44.13                  | 6.5                   | 74             | 23.35  | PASSED  |
| 15965.6         | 52.07      | 401.328  | 49.77                  | 2.3                   | 74             | 21.91  | PASSED  |
| 21276.6         | 45.4       | 186.209  | 39.5                   | 5.9                   | 74             | 28.58  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10638.8         | 37.3       | 73.282   | 30.8                   | 6.5                   | 54             | 16.7   | PASSED  |
| 15965.6         | 35.77      | 61.447   | 33.47                  | 2.3                   | 54             | 18.23  | PASSED  |
| 21276.6         | 33.02      | 44.771   | 27.12                  | 5.9                   | 54             | 20.98  | PASSED  |

## Channel 100 / 5500MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10994.4         | 49.48      | 297.852  | 42.28                  | 7.2                   | 74             | 24.5   | PASSED  |
| 16505.6         | 51         | 354.813  | 47.9                   | 3.1                   | 68             | 17.23  | PASSED  |
| 21998.7         | 48.39      | 262.724  | 42.39                  | 6                     | 68             | 19.84  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10994.4         | 36.57      | 67.375   | 29.37                  | 7.2                   | 54             | 17.43  | PASSED  |
| 16505.6         | 35.54      | 59.841   | 32.44                  | 3.1                   | ---            | ---    | PASSED  |
| 21998.7         | 35.11      | 56.951   | 29.11                  | 6                     | ---            | ---    | PASSED  |

# Channel 116 / 5580MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 912.925         | 20.83      | 11.003   | 37.43                  | -16.6                 | 46             | 25.19  | PASSED  |

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11161.9         | 48.83      | 276.376  | 41.43                  | 7.4                   | 74             | 25.15  | PASSED  |
| 16738.3         | 44.73      | 172.385  | 41.93                  | 2.8                   | 68             | 23.5   | PASSED  |
| 22319.9         | 47.05      | 225.165  | 40.95                  | 6.1                   | 74             | 26.93  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11161.9         | 36.21      | 64.64    | 28.81                  | 7.4                   | 54             | 17.79  | PASSED  |
| 16738.3         | 31.72      | 38.548   | 28.92                  | 2.8                   | ---            | ---    | PASSED  |
| 22319.9         | 33.1       | 45.186   | 27                     | 6.1                   | 54             | 20.9   | PASSED  |

# Channel 140 / 5700MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11396.6         | 49.96      | 314.775  | 42.36                  | 7.6                   | 74             | 24.02  | PASSED  |
| 17109.3         | 46.96      | 222.844  | 43.36                  | 3.6                   | 68             | 21.27  | PASSED  |
| 22803.9         | 47.97      | 250.323  | 40.87                  | 7.1                   | 74             | 26.01  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11396.6         | 37.08      | 71.45    | 29.48                  | 7.6                   | 54             | 16.92  | PASSED  |
| 17109.3         | 32.81      | 43.702   | 29.21                  | 3.6                   | ---            | ---    | PASSED  |
| 22803.9         | 34.68      | 54.2     | 27.58                  | 7.1                   | 54             | 19.32  | PASSED  |

# Channel 149 / 5745MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11486           | 50.15      | 321.736  | 42.15                  | 8                     | 74             | 23.83  | PASSED  |
| 17237.2         | 49.69      | 305.141  | 46.19                  | 3.5                   | 68             | 18.54  | PASSED  |
| 22971.2         | 46.38      | 208.449  | 39.88                  | 6.5                   | 74             | 27.6   | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11486           | 37.01      | 70.876   | 29.01                  | 8                     | 54             | 16.99  | PASSED  |
| 17237.2         | 34.13      | 50.874   | 30.63                  | 3.5                   | ---            | ---    | PASSED  |
| 22971.2         | 33.49      | 47.261   | 26.99                  | 6.5                   | 54             | 20.51  | PASSED  |

Channel 157 / 5785MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 191.987         | 19.83      | 9.806    | 51.53                  | -31.7                 | 44             | 23.69  | PASSED  |

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5764.6          | 64.35      | 1650.061 | 62.95                  | 1.4                   | 68             | 3.88   | PASSED  |
| 5805            | 66         | 1995.262 | 64.3                   | 1.7                   | 68             | 2.23   | PASSED  |
| 11562.2         | 49.69      | 305.141  | 41.69                  | 8                     | 74             | 24.29  | PASSED  |
| 17353.7         | 44.33      | 164.627  | 40.63                  | 3.7                   | 68             | 23.9   | PASSED  |
| 23141.8         | 47.28      | 231.206  | 40.48                  | 6.8                   | 68             | 20.95  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5764.6          | 50.8       | 346.737  | 49.4                   | 1.4                   | ---            | ---    | PASSED  |
| 5805            | 50.93      | 351.965  | 49.23                  | 1.7                   | ---            | ---    | PASSED  |
| 11562.2         | 36.72      | 68.549   | 28.72                  | 8                     | 54             | 17.28  | PASSED  |
| 17353.7         | 31.46      | 37.411   | 27.76                  | 3.7                   | ---            | ---    | PASSED  |
| 23141.8         | 34.39      | 52.42    | 27.59                  | 6.8                   | ---            | ---    | PASSED  |

Channel 165 / 5825MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11652.4         | 49.25      | 290.068  | 41.95                  | 7.3                   | 74             | 24.73  | PASSED  |
| 17444.4         | 45.22      | 182.39   | 41.12                  | 4.1                   | 68             | 23.01  | PASSED  |
| 23307.1         | 47.43      | 235.234  | 40.33                  | 7.1                   | 68             | 20.8   | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11652.4         | 35.87      | 62.158   | 28.57                  | 7.3                   | 54             | 18.13  | PASSED  |
| 17444.4         | 31.66      | 38.282   | 27.56                  | 4.1                   | ---            | ---    | PASSED  |
| 23307.1         | 34.66      | 54.075   | 27.56                  | 7.1                   | ---            | ---    | PASSED  |

### 3.3.3 802.11n, BPSK modulation, 13.5 / 15.0 Mbps data rate.

Channel 36+40 / 5190MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5126.626        | 64.53      | 1684.612 | 62.53                  | 2                     | 74             | 9.45   | PASSED  |
| 5128.537        | 66.83      | 2195.331 | 64.83                  | 2                     | 74             | 7.15   | PASSED  |
| 5251.711        | 65.51      | 1885.819 | 64.41                  | 1.1                   | 68             | 2.72   | PASSED  |
| 10376.8         | 50.11      | 320.258  | 44.31                  | 5.8                   | 68             | 18.12  | PASSED  |
| 15569.8         | 43.81      | 155.06   | 41.31                  | 2.5                   | 74             | 30.17  | PASSED  |
| 20758.6         | 46.87      | 220.546  | 40.27                  | 6.6                   | 74             | 27.11  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5126.626        | 48.72      | 272.898  | 46.72                  | 2                     | 54             | 5.28   | PASSED  |
| 5128.537        | 49.17      | 287.409  | 47.17                  | 2                     | 54             | 4.83   | PASSED  |
| 5251.711        | 47.86      | 247.172  | 46.76                  | 1.1                   | ---            | ---    | PASSED  |
| 10376.8         | 35.86      | 62.087   | 30.06                  | 5.8                   | ---            | ---    | PASSED  |
| 15569.8         | 30.48      | 33.42    | 27.98                  | 2.5                   | 54             | 23.52  | PASSED  |
| 20758.6         | 34.07      | 50.524   | 27.47                  | 6.6                   | 54             | 19.93  | PASSED  |

Channel 44+48 / 5230MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10445.2         | 49.31      | 292.079  | 43.31                  | 6                     | 68             | 18.92  | PASSED  |
| 15559.7         | 43.94      | 157.398  | 41.44                  | 2.5                   | 74             | 30.04  | PASSED  |
| 20687.2         | 46.77      | 218.022  | 39.97                  | 6.8                   | 74             | 27.21  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10445.2         | 35.57      | 60.048   | 29.57                  | 6                     | ---            | ---    | PASSED  |
| 15559.7         | 30.52      | 33.574   | 28.02                  | 2.5                   | 54             | 23.48  | PASSED  |
| 20687.2         | 33.73      | 48.585   | 26.93                  | 6.8                   | 54             | 20.27  | PASSED  |

Channel 52+56 / 5270MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5198.271        | 59.1       | 901.571  | 57.8                   | 1.3                   | 68             | 9.13   | PASSED  |
| 5210.679        | 59.14      | 905.733  | 57.84                  | 1.3                   | 68             | 9.09   | PASSED  |
| 5327            | 63.08      | 1425.608 | 62.18                  | 0.9                   | 68             | 5.15   | PASSED  |
| 10539.5         | 49.04      | 283.139  | 42.74                  | 6.3                   | 68             | 19.19  | PASSED  |
| 15807.3         | 43.5       | 149.624  | 41.3                   | 2.2                   | 74             | 30.48  | PASSED  |
| 21076.9         | 46.96      | 222.844  | 40.76                  | 6.2                   | 74             | 27.02  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5198.271        | 42.98      | 140.929  | 41.68                  | 1.3                   | ---            | ---    | PASSED  |
| 5210.679        | 45.54      | 189.234  | 44.24                  | 1.3                   | ---            | ---    | PASSED  |
| 5327            | 49.54      | 299.916  | 48.64                  | 0.9                   | ---            | ---    | PASSED  |
| 10539.5         | 36.05      | 63.46    | 29.75                  | 6.3                   | ---            | ---    | PASSED  |
| 15807.3         | 30.59      | 33.845   | 28.39                  | 2.2                   | 54             | 23.41  | PASSED  |
| 21076.9         | 33.92      | 49.659   | 27.72                  | 6.2                   | 54             | 20.08  | PASSED  |

Channel 60+64 / 5310MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10600           | 48.71      | 272.584  | 42.11                  | 6.6                   | 68             | 19.52  | PASSED  |
| 15944.2         | 48.01      | 251.478  | 45.71                  | 2.3                   | 74             | 25.97  | PASSED  |
| 21228           | 46.46      | 210.378  | 40.26                  | 6.2                   | 74             | 27.52  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10600           | 35.84      | 61.944   | 29.24                  | 6.6                   | 54             | 18.16  | PASSED  |
| 15944.2         | 33.86      | 49.317   | 31.56                  | 2.3                   | 54             | 20.14  | PASSED  |
| 21228           | 33.27      | 46.079   | 27.07                  | 6.2                   | 54             | 20.73  | PASSED  |

Channel 100+104 / 5510MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11003.2         | 49.84      | 310.456  | 42.74                  | 7.1                   | 74             | 24.14  | PASSED  |
| 16512           | 48.61      | 269.464  | 45.61                  | 3                     | 68             | 19.62  | PASSED  |
| 22037.3         | 46.44      | 209.894  | 40.14                  | 6.3                   | 74             | 27.54  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11003.2         | 36.41      | 66.145   | 29.31                  | 7.1                   | 54             | 17.59  | PASSED  |
| 16512           | 33.47      | 47.152   | 30.47                  | 3                     | ---            | ---    | PASSED  |
| 22037.3         | 33.67      | 48.25    | 27.37                  | 6.3                   | 54             | 20.33  | PASSED  |

Channel 108+112 / 5550MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5485.062        | 63.09      | 1427.25  | 62.19                  | 0.9                   | 68             | 5.14   | PASSED  |
| 5491.118        | 64.09      | 1601.401 | 63.09                  | 1                     | 68             | 4.14   | PASSED  |
| 5620.869        | 63.79      | 1547.035 | 62.89                  | 0.9                   | 68             | 4.44   | PASSED  |
| 11096.6         | 49.3       | 291.743  | 42.2                   | 7.1                   | 74             | 24.68  | PASSED  |
| 16651.2         | 44.37      | 165.386  | 41.57                  | 2.8                   | 68             | 23.86  | PASSED  |
| 22197.5         | 47.87      | 247.457  | 41.17                  | 6.7                   | 74             | 26.11  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5485.062        | 43.24      | 145.211  | 42.34                  | 0.9                   | ---            | ---    | PASSED  |
| 5491.118        | 45.11      | 180.094  | 44.11                  | 1                     | ---            | ---    | PASSED  |
| 5620.869        | 41.27      | 115.744  | 40.37                  | 0.9                   | ---            | ---    | PASSED  |
| 11096.6         | 35.89      | 62.302   | 28.79                  | 7.1                   | 54             | 18.11  | PASSED  |
| 16651.2         | 31.51      | 37.627   | 28.71                  | 2.8                   | ---            | ---    | PASSED  |
| 22197.5         | 34.03      | 50.292   | 27.33                  | 6.7                   | 54             | 19.97  | PASSED  |

Channel 132+136 / 5670MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11347.6         | 50         | 316.228  | 42.6                   | 7.4                   | 74             | 23.98  | PASSED  |
| 16993.4         | 44.84      | 174.582  | 41.14                  | 3.7                   | 68             | 23.39  | PASSED  |
| 22679.5         | 47.23      | 229.879  | 40.33                  | 6.9                   | 74             | 26.75  | PASSED  |



Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11347.6         | 36.71      | 68.47    | 29.31                  | 7.4                   | 54             | 17.29  | PASSED  |
| 16993.4         | 32         | 39.811   | 28.3                   | 3.7                   | ---            | ---    | PASSED  |
| 22679.5         | 34.26      | 51.642   | 27.36                  | 6.9                   | 54             | 19.74  | PASSED  |

Channel 132+136 / 5670MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11347.6         | 50         | 316.228  | 42.6                   | 7.4                   | 74             | 23.98  | PASSED  |
| 16993.4         | 44.84      | 174.582  | 41.14                  | 3.7                   | 68             | 23.39  | PASSED  |
| 22679.5         | 47.23      | 229.879  | 40.33                  | 6.9                   | 74             | 26.75  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11347.6         | 36.71      | 68.47    | 29.31                  | 7.4                   | 54             | 17.29  | PASSED  |
| 16993.4         | 32         | 39.811   | 28.3                   | 3.7                   | ---            | ---    | PASSED  |
| 22679.5         | 34.26      | 51.642   | 27.36                  | 6.9                   | 54             | 19.74  | PASSED  |

Channel 149+153 / 5755MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5679.879        | 60.75      | 1090.184 | 59.75                  | 1                     | 68             | 7.48   | PASSED  |
| 5684.665        | 61.7       | 1216.186 | 60.7                   | 1                     | 68             | 6.53   | PASSED  |
| 5696.807        | 63.89      | 1564.948 | 62.89                  | 1                     | 68             | 4.34   | PASSED  |
| 11513.1         | 50.05      | 318.053  | 41.95                  | 8.1                   | 74             | 23.93  | PASSED  |
| 17266.6         | 44.82      | 174.181  | 41.12                  | 3.7                   | 68             | 23.41  | PASSED  |
| 23019.3         | 47.2       | 229.087  | 40.4                   | 6.8                   | 74             | 26.78  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5679.879        | 39.1       | 90.157   | 38.1                   | 1                     | ---            | ---    | PASSED  |
| 5684.665        | 40.83      | 110.027  | 39.83                  | 1                     | ---            | ---    | PASSED  |
| 5696.807        | 45.56      | 189.671  | 44.56                  | 1                     | ---            | ---    | PASSED  |
| 11513.1         | 37.28      | 73.114   | 29.18                  | 8.1                   | 54             | 16.72  | PASSED  |
| 17266.6         | 31.53      | 37.714   | 27.83                  | 3.7                   | ---            | ---    | PASSED  |
| 23019.3         | 33.7       | 48.417   | 26.9                   | 6.8                   | 54             | 20.3   | PASSED  |



Channel 157+161 / 5795MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11580.9         | 49.68      | 304.789  | 41.78                  | 7.9                   | 74             | 24.3   | PASSED  |
| 17393.8         | 48.76      | 274.157  | 45.06                  | 3.7                   | 68             | 19.47  | PASSED  |
| 23163.4         | 47.61      | 240.16   | 40.61                  | 7                     | 68             | 20.62  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11580.9         | 36.73      | 68.628   | 28.83                  | 7.9                   | 54             | 17.27  | PASSED  |
| 17393.8         | 33.67      | 48.25    | 29.97                  | 3.7                   | ---            | ---    | PASSED  |
| 23163.4         | 34.31      | 51.94    | 27.31                  | 7                     | ---            | ---    | PASSED  |

### 3.3.4 802.11n, QPSK modulation, 27.0 / 30.0 Mbps data rate.

Channel 36+40 / 5190MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5126.726        | 64.25      | 1631.173 | 62.25                  | 2                     | 74             | 9.73   | PASSED  |
| 5133.179        | 66.82      | 2192.805 | 64.82                  | 2                     | 74             | 7.16   | PASSED  |
| 5246.3          | 65.68      | 1923.092 | 64.58                  | 1.1                   | 68             | 2.55   | PASSED  |
| 10380.5         | 48.16      | 255.859  | 42.36                  | 5.8                   | 68             | 20.07  | PASSED  |
| 15567.7         | 43.28      | 145.881  | 40.78                  | 2.5                   | 74             | 30.7   | PASSED  |
| 20761.8         | 46.99      | 223.615  | 40.39                  | 6.6                   | 74             | 26.99  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5126.726        | 48         | 251.189  | 46                     | 2                     | 54             | 6      | PASSED  |
| 5133.179        | 50.73      | 343.954  | 48.73                  | 2                     | 54             | 3.27   | PASSED  |
| 5246.3          | 49.78      | 308.319  | 48.68                  | 1.1                   | ---            | ---    | PASSED  |
| 10380.5         | 35.58      | 60.117   | 29.78                  | 5.8                   | ---            | ---    | PASSED  |
| 15567.7         | 30.49      | 33.458   | 27.99                  | 2.5                   | 54             | 23.51  | PASSED  |
| 20761.8         | 34.05      | 50.408   | 27.45                  | 6.6                   | 54             | 19.95  | PASSED  |

Channel 44+48 / 5230MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10478.8         | 48.56      | 267.917  | 42.56                  | 6                     | 68             | 19.67  | PASSED  |
| 15579.9         | 43.69      | 152.933  | 41.19                  | 2.5                   | 74             | 30.29  | PASSED  |
| 20681.5         | 47         | 223.872  | 40.2                   | 6.8                   | 74             | 26.98  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10478.8         | 35.57      | 60.048   | 29.57                  | 6                     | ---            | ---    | PASSED  |
| 15579.9         | 30.51      | 33.535   | 28.01                  | 2.5                   | 54             | 23.49  | PASSED  |
| 20681.5         | 33.75      | 48.697   | 26.95                  | 6.8                   | 54             | 20.25  | PASSED  |

Channel 52+56 / 5270MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5204.183        | 61.94      | 1250.259 | 60.64                  | 1.3                   | 68             | 6.29   | PASSED  |
| 5213.058        | 64.9       | 1757.924 | 63.6                   | 1.3                   | 68             | 3.33   | PASSED  |
| 5327.7          | 63.77      | 1543.476 | 62.87                  | 0.9                   | 68             | 4.46   | PASSED  |
| 10539.9         | 50.09      | 319.521  | 43.79                  | 6.3                   | 68             | 18.14  | PASSED  |
| 15808.9         | 43.38      | 147.571  | 41.18                  | 2.2                   | 74             | 30.6   | PASSED  |
| 21080.7         | 47.27      | 230.94   | 41.07                  | 6.2                   | 74             | 26.71  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5204.183        | 44.25      | 163.117  | 42.95                  | 1.3                   | ---            | ---    | PASSED  |
| 5213.058        | 47.12      | 226.986  | 45.82                  | 1.3                   | ---            | ---    | PASSED  |
| 5327.7          | 48.98      | 281.19   | 48.08                  | 0.9                   | ---            | ---    | PASSED  |
| 10539.9         | 36.05      | 63.46    | 29.75                  | 6.3                   | ---            | ---    | PASSED  |
| 15808.9         | 30.56      | 33.729   | 28.36                  | 2.2                   | 54             | 23.44  | PASSED  |
| 21080.7         | 34.06      | 50.466   | 27.86                  | 6.2                   | 54             | 19.94  | PASSED  |

Channel 60+64 / 5310MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10600           | 48.71      | 272.584  | 42.11                  | 6.6                   | 68             | 19.52  | PASSED  |
| 15922.9         | 47.88      | 247.742  | 45.58                  | 2.3                   | 74             | 26.1   | PASSED  |
| 21254.7         | 45.4       | 186.209  | 39.5                   | 5.9                   | 74             | 28.58  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 10600           | 36.02      | 63.241   | 29.42                  | 6.6                   | 54             | 17.98  | PASSED  |
| 15922.9         | 33.34      | 46.452   | 31.04                  | 2.3                   | 54             | 20.66  | PASSED  |
| 21254.7         | 32.7       | 43.152   | 26.8                   | 5.9                   | 54             | 21.3   | PASSED  |

Channel 100+104 / 5510MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11020.9         | 48.79      | 275.106  | 41.59                  | 7.2                   | 74             | 25.19  | PASSED  |
| 16531.6         | 48.32      | 260.615  | 45.42                  | 2.9                   | 68             | 19.91  | PASSED  |
| 22048.4         | 47.59      | 239.607  | 41.19                  | 6.4                   | 74             | 26.39  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11020.9         | 36.17      | 64.343   | 28.97                  | 7.2                   | 54             | 17.83  | PASSED  |
| 16531.6         | 34.15      | 50.992   | 31.25                  | 2.9                   | ---            | ---    | PASSED  |
| 22048.4         | 33.94      | 49.774   | 27.54                  | 6.4                   | 54             | 20.06  | PASSED  |

Channel 108+112 / 5550MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5492.6          | 64.09      | 1601.401 | 63.09                  | 1                     | 68             | 4.14   | PASSED  |
| 5612.89         | 64.54      | 1686.553 | 63.64                  | 0.9                   | 68             | 3.69   | PASSED  |
| 5625.358        | 63.13      | 1433.838 | 62.13                  | 1                     | 68             | 5.1    | PASSED  |
| 11099.5         | 48.56      | 267.917  | 41.46                  | 7.1                   | 74             | 25.42  | PASSED  |
| 16653.5         | 44.11      | 160.509  | 41.31                  | 2.8                   | 68             | 24.12  | PASSED  |
| 22203.4         | 46.98      | 223.357  | 40.38                  | 6.6                   | 74             | 27     | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5492.6          | 46.07      | 201.141  | 45.07                  | 1                     | ---            | ---    | PASSED  |
| 5612.89         | 44.09      | 160.14   | 43.19                  | 0.9                   | ---            | ---    | PASSED  |
| 5625.358        | 39.5       | 94.406   | 38.5                   | 1                     | ---            | ---    | PASSED  |
| 11099.5         | 35.9       | 62.373   | 28.8                   | 7.1                   | 54             | 18.1   | PASSED  |
| 16653.5         | 31.3       | 36.728   | 28.5                   | 2.8                   | ---            | ---    | PASSED  |
| 22203.4         | 33.88      | 49.431   | 27.28                  | 6.6                   | 54             | 20.12  | PASSED  |

Channel 132+136 / 5670MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11343.3         | 49.99      | 315.864  | 42.59                  | 7.4                   | 74             | 23.99  | PASSED  |
| 16991           | 46.02      | 199.986  | 42.32                  | 3.7                   | 68             | 22.21  | PASSED  |
| 22664           | 47.33      | 232.541  | 40.53                  | 6.8                   | 74             | 26.65  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11343.3         | 36.8       | 69.183   | 29.4                   | 7.4                   | 54             | 17.2   | PASSED  |
| 16991           | 32.02      | 39.902   | 28.32                  | 3.7                   | ---            | ---    | PASSED  |
| 22664           | 34.27      | 51.701   | 27.47                  | 6.8                   | 54             | 19.73  | PASSED  |

Channel 149+153 / 5755MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5691.436        | 63.62      | 1517.05  | 62.62                  | 1                     | 68             | 4.61   | PASSED  |
| 5691.922        | 63.76      | 1541.7   | 62.76                  | 1                     | 68             | 4.47   | PASSED  |
| 5823.458        | 62.8       | 1380.384 | 61.1                   | 1.7                   | 68             | 5.43   | PASSED  |
| 11508.1         | 50.87      | 349.543  | 42.77                  | 8.1                   | 74             | 23.11  | PASSED  |
| 17261.3         | 44.78      | 173.38   | 41.18                  | 3.6                   | 68             | 23.45  | PASSED  |
| 23022.8         | 46.97      | 223.1    | 40.07                  | 6.9                   | 74             | 27.01  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5691.436        | 44.48      | 167.494  | 43.48                  | 1                     | ---            | ---    | PASSED  |
| 5691.922        | 44.35      | 165.006  | 43.35                  | 1                     | ---            | ---    | PASSED  |
| 5823.458        | 41.01      | 112.331  | 39.31                  | 1.7                   | ---            | ---    | PASSED  |
| 11508.1         | 36.98      | 70.632   | 28.88                  | 8.1                   | 54             | 17.02  | PASSED  |
| 17261.3         | 31.53      | 37.714   | 27.93                  | 3.6                   | ---            | ---    | PASSED  |
| 23022.8         | 33.76      | 48.753   | 26.86                  | 6.9                   | 54             | 20.24  | PASSED  |

Channel 157+161 / 5795MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11573.7         | 49.79      | 308.674  | 41.79                  | 8                     | 74             | 24.19  | PASSED  |
| 17371.9         | 47.58      | 239.332  | 43.88                  | 3.7                   | 68             | 20.65  | PASSED  |
| 23169.2         | 48.16      | 255.859  | 41.16                  | 7                     | 68             | 20.07  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 11573.7         | 36.74      | 68.707   | 28.74                  | 8                     | 54             | 17.26  | PASSED  |
| 17371.9         | 33.39      | 46.72    | 29.69                  | 3.7                   | ---            | ---    | PASSED  |
| 23169.2         | 34.28      | 51.761   | 27.28                  | 7                     | ---            | ---    | PASSED  |

### 3.3.5 802.11ac, BPSK modulation, 29.3 / 32.5 Mbps data rate.

Channel 36-48 / 5210MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 915.415         | 21.18      | 11.455   | 37.78                  | -16.6                 | 46             | 24.84  | PASSED  |

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5083.021        | 59.84      | 981.748  | 57.84                  | 2                     | 74             | 14.14  | PASSED  |
| 5325            | 64.56      | 1690.441 | 63.66                  | 0.9                   | 68             | 3.67   | PASSED  |
| 10414.7         | 48.25      | 258.523  | 42.45                  | 5.8                   | 68             | 19.98  | PASSED  |
| 15625.2         | 43.36      | 147.231  | 40.76                  | 2.6                   | 74             | 30.62  | PASSED  |

|         |       |         |       |     |    |       |        |
|---------|-------|---------|-------|-----|----|-------|--------|
| 20844.9 | 47.36 | 233.346 | 41.26 | 6.1 | 74 | 26.62 | PASSED |
|---------|-------|---------|-------|-----|----|-------|--------|

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5083.021        | 43.35      | 147.062  | 41.35                  | 2                     | 54             | 10.65  | PASSED  |
| 5325            | 48.42      | 263.633  | 47.52                  | 0.9                   | ---            | ---    | PASSED  |
| 10414.7         | 35.46      | 59.293   | 29.66                  | 5.8                   | ---            | ---    | PASSED  |
| 15625.2         | 30.83      | 34.794   | 28.23                  | 2.6                   | 54             | 23.17  | PASSED  |
| 20844.9         | 33.63      | 48.029   | 27.53                  | 6.1                   | 54             | 20.37  | PASSED  |

Channel 52-64 / 5290MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5170.786        | 57.38      | 739.605  | 55.68                  | 1.7                   | 68             | 10.85  | PASSED  |
| 5174.393        | 58.26      | 818.465  | 56.56                  | 1.7                   | 68             | 9.97   | PASSED  |
| 5177.1          | 59.38      | 931.108  | 57.78                  | 1.6                   | 68             | 8.85   | PASSED  |
| 10580.2         | 48.78      | 274.789  | 42.18                  | 6.6                   | 68             | 19.45  | PASSED  |
| 15875           | 43.63      | 151.88   | 41.43                  | 2.2                   | 74             | 30.35  | PASSED  |
| 21163.9         | 46.86      | 220.293  | 40.66                  | 6.2                   | 74             | 27.12  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5170.786        | 41.75      | 122.321  | 40.05                  | 1.7                   | ---            | ---    | PASSED  |
| 5174.393        | 42.64      | 135.519  | 40.94                  | 1.7                   | ---            | ---    | PASSED  |
| 5177.1          | 42.53      | 133.814  | 40.93                  | 1.6                   | ---            | ---    | PASSED  |
| 10580.2         | 35.93      | 62.589   | 29.33                  | 6.6                   | ---            | ---    | PASSED  |
| 15875           | 30.38      | 33.037   | 28.18                  | 2.2                   | 54             | 23.62  | PASSED  |
| 21163.9         | 33.71      | 48.473   | 27.51                  | 6.2                   | 54             | 20.29  | PASSED  |

Channel 100-112 / 5530MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 192.007         | 25.66      | 19.187   | 57.36                  | -31.7                 | 44             | 17.86  | PASSED  |
| 916.945         | 21.22      | 11.508   | 37.72                  | -16.5                 | 46             | 24.8   | PASSED  |

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5642.7          | 59.55      | 949.511  | 58.65                  | 0.9                   | 68             | 8.68   | PASSED  |
| 11060.5         | 49.33      | 292.752  | 42.23                  | 7.1                   | 74             | 24.65  | PASSED  |
| 16594.4         | 43.97      | 157.943  | 41.17                  | 2.8                   | 68             | 24.26  | PASSED  |
| 22125.3         | 47.08      | 225.944  | 40.28                  | 6.8                   | 74             | 26.9   | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5642.7          | 42.79      | 137.88   | 41.89                  | 0.9                   | ---            | ---    | PASSED  |
| 11060.5         | 36         | 63.096   | 28.9                   | 7.1                   | 54             | 18     | PASSED  |

|         |       |        |       |     |     |       |        |
|---------|-------|--------|-------|-----|-----|-------|--------|
| 16594.4 | 31.16 | 36.141 | 28.36 | 2.8 | --- | ---   | PASSED |
| 22125.3 | 34.23 | 51.464 | 27.43 | 6.8 | 54  | 19.77 | PASSED |

Channel 149-161 / 5775MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 30.24           | 23.42      | 14.825   | 44.12                  | -20.7                 | 40             | 16.58  | PASSED  |

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5662            | 60.56      | 1066.596 | 59.56                  | 1                     | 68             | 7.67   | PASSED  |
| 5894.118        | 57.98      | 792.501  | 55.88                  | 2.1                   | 68             | 10.25  | PASSED  |
| 11547.8         | 49.73      | 306.549  | 41.63                  | 8.1                   | 74             | 24.25  | PASSED  |
| 17325.6         | 44.38      | 165.577  | 40.58                  | 3.8                   | 68             | 23.85  | PASSED  |
| 23106.3         | 47.09      | 226.204  | 40.19                  | 6.9                   | 74             | 26.89  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5662            | 44.05      | 159.404  | 43.05                  | 1                     | ---            | ---    | PASSED  |
| 5894.118        | 41.09      | 113.37   | 38.99                  | 2.1                   | ---            | ---    | PASSED  |
| 11547.8         | 36.82      | 69.343   | 28.72                  | 8.1                   | 54             | 17.18  | PASSED  |
| 17325.6         | 31.51      | 37.627   | 27.71                  | 3.8                   | ---            | ---    | PASSED  |
| 23106.3         | 34.21      | 51.345   | 27.31                  | 6.9                   | 54             | 19.79  | PASSED  |

### 3.3.6 802.11ac, 16QAM modulation, 175.5 / 195.0 Mbps data rate.

Channel 36-48 / 5210MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5095.3          | 66.47      | 2106.202 | 64.47                  | 2                     | 74             | 7.51   | PASSED  |
| 5326.4          | 62.8       | 1380.384 | 61.9                   | 0.9                   | 68             | 5.43   | PASSED  |
| 5349.952        | 61.35      | 1168.154 | 60.35                  | 1                     | 68             | 6.88   | PASSED  |
| 10425.6         | 49.59      | 301.648  | 43.79                  | 5.8                   | 68             | 18.64  | PASSED  |
| 15632.1         | 44.1       | 160.325  | 41.6                   | 2.5                   | 74             | 29.88  | PASSED  |
| 20832.5         | 46.8       | 218.776  | 40.6                   | 6.2                   | 74             | 27.18  | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5095.3          | 45.51      | 188.582  | 43.51                  | 2                     | 54             | 8.49   | PASSED  |
| 5326.4          | 43.8       | 154.882  | 42.9                   | 0.9                   | ---            | ---    | PASSED  |
| 5349.952        | 41.2       | 114.815  | 40.2                   | 1                     | ---            | ---    | PASSED  |
| 10425.6         | 35.51      | 59.635   | 29.71                  | 5.8                   | ---            | ---    | PASSED  |
| 15632.1         | 30.85      | 34.874   | 28.35                  | 2.5                   | 54             | 23.15  | PASSED  |
| 20832.5         | 33.65      | 48.139   | 27.45                  | 6.2                   | 54             | 20.35  | PASSED  |

Channel 52-64 / 5290MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5162.491        | 60.32      | 1037.528 | 58.62                  | 1.7                   | 68             | 7.91   | PASSED  |
| 5171.419        | 63.01      | 1414.165 | 61.31                  | 1.7                   | 68             | 5.22   | PASSED  |
| 5171.49         | 63.68      | 1527.566 | 61.98                  | 1.7                   | 68             | 4.55   | PASSED  |
| 10575.1         | 48.66      | 271.019  | 42.06                  | 6.6                   | 68             | 19.57  | PASSED  |
| 15865.3         | 43.37      | 147.401  | 41.17                  | 2.2                   | 74             | 30.61  | PASSED  |
| 21162.3         | 46.88      | 220.8    | 40.68                  | 6.2                   | 74             | 27.1   | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5162.491        | 41.57      | 119.812  | 39.87                  | 1.7                   | ---            | ---    | PASSED  |
| 5171.419        | 42.72      | 136.773  | 41.02                  | 1.7                   | ---            | ---    | PASSED  |
| 5171.49         | 43.79      | 154.703  | 42.09                  | 1.7                   | ---            | ---    | PASSED  |
| 10575.1         | 35.69      | 60.884   | 29.09                  | 6.6                   | ---            | ---    | PASSED  |
| 15865.3         | 30.47      | 33.381   | 28.27                  | 2.2                   | 54             | 23.53  | PASSED  |
| 21162.3         | 33.77      | 48.809   | 27.57                  | 6.2                   | 54             | 20.23  | PASSED  |

Channel 100-112 / 5530MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 192.007         | 26.57      | 21.306   | 58.27                  | -31.7                 | 44             | 16.95  | PASSED  |
| 192.013         | 26.66      | 21.528   | 58.36                  | -31.7                 | 44             | 16.86  | PASSED  |

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5646.709        | 62.66      | 1358.313 | 61.76                  | 0.9                   | 68             | 5.57   | PASSED  |
| 11060           | 48.96      | 280.543  | 41.86                  | 7.1                   | 74             | 25.02  | PASSED  |
| 16594.9         | 44.36      | 165.196  | 41.56                  | 2.8                   | 68             | 23.87  | PASSED  |
| 22120.5         | 47.58      | 239.332  | 40.78                  | 6.8                   | 74             | 26.4   | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5646.709        | 42.21      | 128.973  | 41.31                  | 0.9                   | ---            | ---    | PASSED  |
| 11060           | 35.97      | 62.878   | 28.87                  | 7.1                   | 54             | 18.03  | PASSED  |
| 16594.9         | 31.25      | 36.517   | 28.45                  | 2.8                   | ---            | ---    | PASSED  |
| 22120.5         | 34.25      | 51.582   | 27.45                  | 6.8                   | 54             | 19.75  | PASSED  |



Channel 149-161 / 5775MHz

Peak (RBW: 1 MHz, VBW: 3 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5648.086        | 60.12      | 1013.911 | 59.22                  | 0.9                   | 68             | 8.11   | PASSED  |
| 5657.175        | 62.85      | 1388.353 | 61.85                  | 1                     | 68             | 5.38   | PASSED  |
| 5891.7          | 60.13      | 1015.079 | 58.03                  | 2.1                   | 68             | 8.1    | PASSED  |
| 11542.2         | 49.66      | 304.089  | 41.56                  | 8.1                   | 74             | 24.32  | PASSED  |
| 17327.2         | 44.26      | 163.305  | 40.46                  | 3.8                   | 68             | 23.97  | PASSED  |
| 23092           | 47.08      | 225.944  | 40.28                  | 6.8                   | 74             | 26.9   | PASSED  |

Average (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 5648.086        | 41.32      | 116.413  | 40.42                  | 0.9                   | ---            | ---    | PASSED  |
| 5657.175        | 43.49      | 149.451  | 42.49                  | 1                     | ---            | ---    | PASSED  |
| 5891.7          | 40.4       | 104.713  | 38.3                   | 2.1                   | ---            | ---    | PASSED  |
| 11542.2         | 36.83      | 69.422   | 28.73                  | 8.1                   | 54             | 17.17  | PASSED  |
| 17327.2         | 31.53      | 37.714   | 27.73                  | 3.8                   | ---            | ---    | PASSED  |
| 23092           | 34.03      | 50.292   | 27.23                  | 6.8                   | 54             | 19.97  | PASSED  |



## 4. Test Equipment

### 4.1. Conducted measurements

| Eq. No   | Equipment                           | Type        | Manufacturer  | Used in                 |
|----------|-------------------------------------|-------------|---------------|-------------------------|
| TM350089 | Power supply                        | 6632A       | Agilent       | 22/24/27, 15C, 15E      |
| TM350090 | Power supply                        | 6632A       | Agilent       | 22/24/27, 15C, 15E      |
| TM30600  | Impulse limiter                     | ESH3-Z2     | R&S           | 15C, 15B                |
| TM490017 | LISN 50 µH                          | ESH3-Z5     | R&S           | 15C, 15B                |
| TM490018 | LISN 50 µH                          | ESH3-Z5     | R&S           | 15C, 15B                |
| TM150128 | Spectrum Analyzer                   | FSU26       | R&S           | 22/24/27, 15C, 15E      |
| TM23007  | Oscilloscope                        | TDS684B     | Tektronix     | 15E                     |
| TM22806  | Battery                             | BAT 20/E    | Fiskars       | 15C, 15B                |
| TM22805  | UPS                                 | PS 20/1.2   | Fiskars       | 15C, 15B                |
| -        | Temperature and humidity logger     | 175-H2      | Testo         | 15C, 15B                |
| -        | Temperature and humidity logger     | 175-H2      | Testo         | 22/24/27, 15C           |
| -        | Air pressure and temperature logger | 635-2       | Testo         | 22/24/27, 15C, 15B      |
| -        | Air pressure sensor                 | 0638-1835   | Testo         | 22/24/27, 15C, 15B      |
| -        | Temperature test chamber            | VT 4002     | Vötsch        | 22/24/27                |
| 2001     | Bluetooth tester                    | CBT         | R&S           | 15C, 15B                |
| 2009     | LISN 50 µH                          | ENV216      | R&S           | 15C, 15B                |
| 2010     | LISN 50 µH                          | ENV216      | R&S           | 15C, 15B                |
| 2012     | Power splitter                      | 11667B      | Agilent       | 22/24/27, 15C           |
| 2013     | Attenuator                          | 8493C       | Agilent       | 22/24/27, 15C           |
| 2014     | Attenuator                          | 8493C       | Agilent       | 22/24/27, 15C           |
| 2019     | Power splitter                      | ZN2PD-9G-S+ | Mini-Circuits | 15E                     |
| 2020     | Power splitter                      | ZN2PD-9G-S+ | Mini-Circuits | 15E                     |
| TM210166 | Communication Tester                | CMW500      | R&S           | 22/24/27                |
| TM210205 | Communication Tester                | CMU200      | R&S           | 22/24/27                |
| 2023     | Spectrum Analyzer                   | ESMI-RF     | R&S           | 15B/15C                 |
| 2024     | Analyzer display unit               | ESAI-D      | R&S           | 15B/15C                 |
| TM110070 | Signal Generator                    | SMF 100A    | R&S           | 22/24/27, 15C, 15E, 15B |
| TM220065 | Bluetooth tester                    | CBT         | R&S           | 15C, 15B                |
| TM210330 | Communication Tester                | CMU200      | R&S           | 22/24/27, 15B           |
| TM150131 | Spectrum Analyzer                   | FSP30       | R&S           | 22/24/27, 15C, 15E      |
| TM210049 | Communication Tester                | CMU200      | R&S           | 22/24/27                |

### 4.2. Radiated measurements

| Eq. No  | Equipment               | Type        | Manufacturer | Used in                 |
|---------|-------------------------|-------------|--------------|-------------------------|
| -       | Antenna                 | BBHA 9120 D | Schwarzbeck  | 22/24/27, 15C           |
| TM38845 | Receiver                | ESIB 26     | R&S          | 22/24/27, 15C, 15E, 15B |
| -       | Antenna                 | HL562       | R&S          | 22/24/27, 15C, 15E, 15B |
| -       | Turntable               | 2188        | EMCO         | 22/24/27, 15C, 15E, 15B |
| -       | Turntable controller    | 2090        | EMCO         | 22/24/27, 15C, 15E, 15B |
| -       | RF system panel         | OSP130      | R&S          | 22/24/27, 15C, 15E, 15B |
| -       | Mini mast               | 2075-2      | ETS Lindgren | 22/24/27, 15C, 15B      |
| TM38843 | Mini mast               | 2075        | Emco         | 22/24/27, 15C, 15B      |
| TM38842 | Antenna mast controller | 2090        | Emco         | 22/24/27, 15C, 15B      |
| TM30643 | LISN 50 µH              | LISN-5-20-2 | FCC          | 22/24/27, 15C, 15B      |
| TM30644 | LISN 50 µH              | LISN-5-20-2 | FCC          | 22/24/27, 15C, 15B      |

| Eq. No   | Equipment                           | Type                                   | Manufacturer | Used in                 |
|----------|-------------------------------------|----------------------------------------|--------------|-------------------------|
| -        | Temperature and humidity logger     | 175-H2                                 | Testo        | 22/24/27, 15C, 15B      |
| -        | Air pressure and temperature logger | 635-2                                  | Testo        | 22/24/27, 15C, 15B      |
| -        | Air pressure sensor                 | 0638-1835                              | Testo        | 22/24/27, 15C, 15B      |
| TM37523  | Preamplifier                        | AMF-4D-10M-3G-25-20P                   | Miteq        | 22/24/27, 15C, 15B      |
| TM37498  | Preamplifier                        | AMF-5D-020180-26-10P                   | Miteq        | 22/24/27, 15C, 15B      |
| TM30599  | Semi anechoic chamber               | UNKNOWN                                | TDK          | 22/24/27, 15C, 15B      |
| TM22638  | Power supply                        | OL63743-901                            | -            | 22/24/27, 15C, 15E, 15B |
| TM38066  | High pass filter                    | WHKX3.0/18G-12SS                       | Wainwright   | 22/24/27, 15C, 15E, 15B |
| 2028     | High pass filter                    | WHKX 1.0/15G-12SS                      | Wainwright   | 22/24/27, 15C, 15E, 15B |
| TM37545  | Tunable notch filter                | 800.0/960.0-0.2/40-8SSK                | Wainwright   | 22                      |
| TM26512  | Tunable notch filter                | WRCD1850/1910-0.2/40-10SSK             | Wainwright   | 24                      |
| -        | Band reject filter                  | WRCG1877/1883-1870/1890-40/6EE         | Wainwright   | 24                      |
| -        | Band reject filter                  | WRCG1729.4/1735.4-1722.4/1742.4-40/6SS | Wainwright   | 27                      |
| TM23892  | Controller                          | G-1000SDX                              | Yaesu        | 22/24/27, 15C, 15E      |
| 2001     | Bluetooth tester                    | CBT                                    | R&S          | 15C, 15B                |
| TM210203 | Communication Tester                | CMU200                                 | R&S          | 22/24/27, 15B           |
| 6023     | Antenna                             | VUBA 9117                              | Schwarzbeck  | 22/24/27                |
| TM210166 | Communication Tester                | CMW500                                 | R&S          | 22/24/27                |
| 2025     | Antenna                             | HFH2-Z2                                | R&S          | 15C                     |
| TM110070 | Signal Generator                    | SMF 100A                               | R&S          | 22/24/27, 15C, 15E, 15B |
| 2052     | Antenna                             | BBHA 9120 D                            | Schwarzbeck  | 22/24/27, 15C, 15B, 15E |
| -        | Antenna                             | QSH18S20                               | Q-Par        | 22/24/27, 15C, 15B, 15E |
| -        | Antenna                             | QSH20S20                               | Q-Par        | 22/24/27, 15C, 15B, 15E |
| -        | Antenna                             | QSH20S20                               | Q-Par        | 22/24/27, 15C, 15B, 15E |
| TM220065 | Bluetooth tester                    | CBT                                    | R&S          | 15C, 15B                |

## END OF REPORT