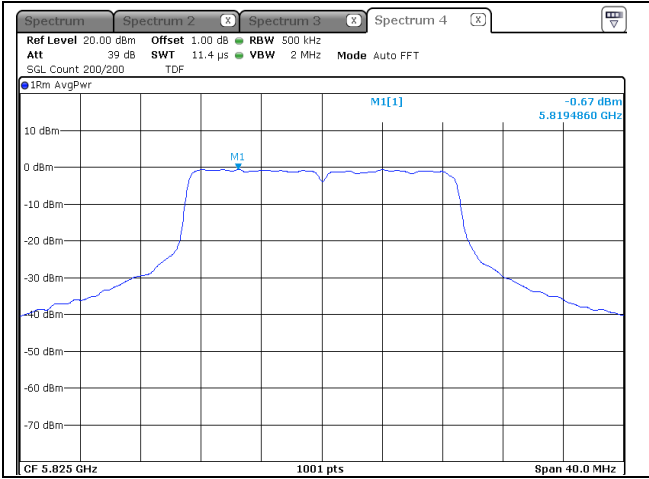


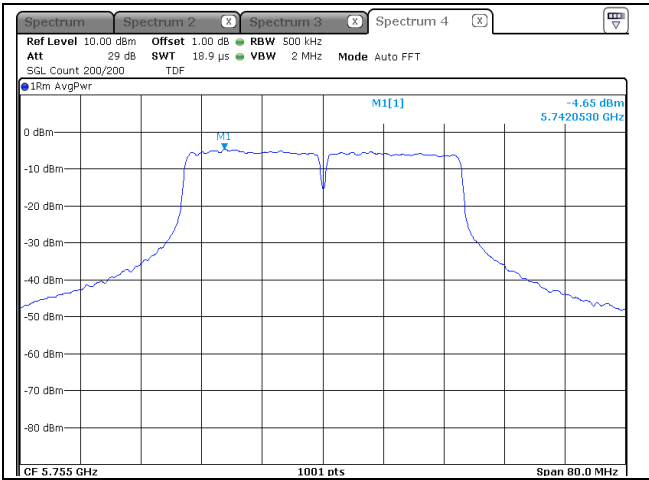
ANT 3



- 802.11n HT40

- 5 755 MHz

ANT 1



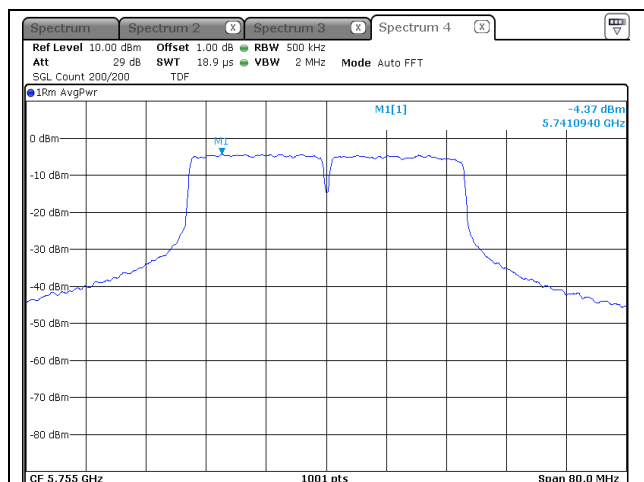
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Suwon-si, Gyeonggi-do, 443-390, Korea  
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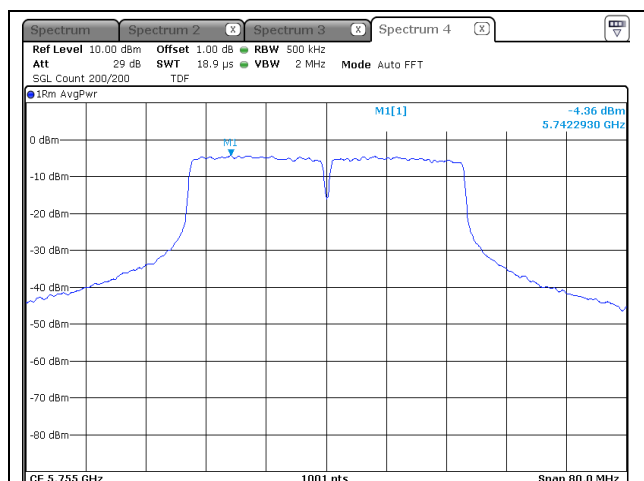
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ANT 2



ANT 3



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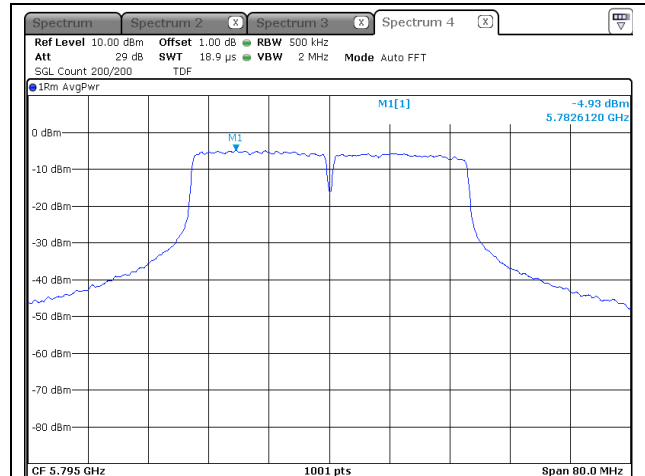
65, Sinwon-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 443-390, Korea  
TEL: 82-70-5008-1021 FAX: 82-505-299-8311  
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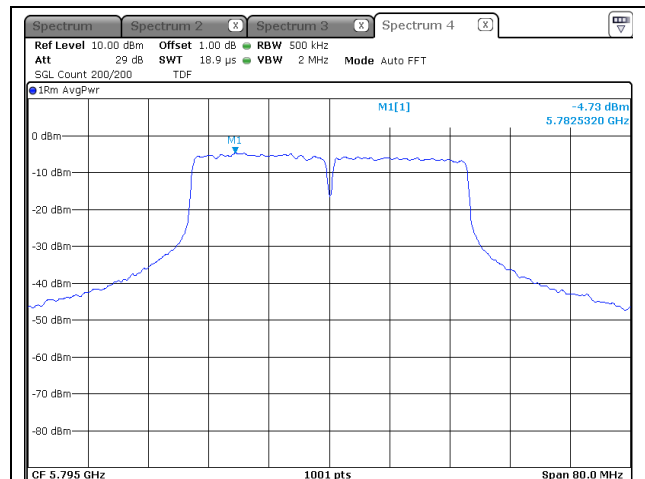
# KCTL

- 5 795 MHz

ANT 1



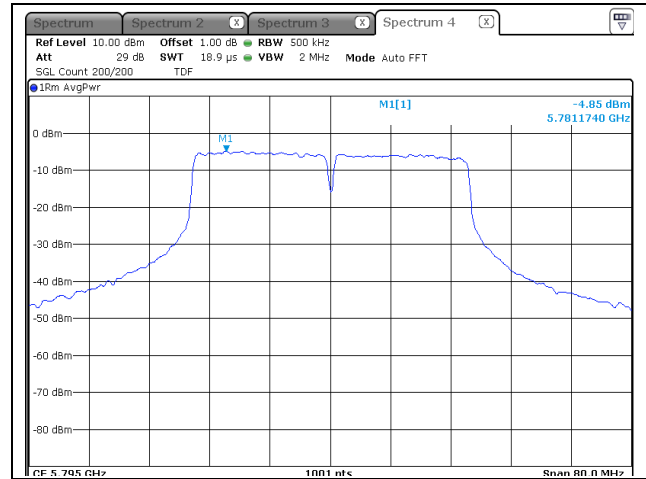
ANT 2



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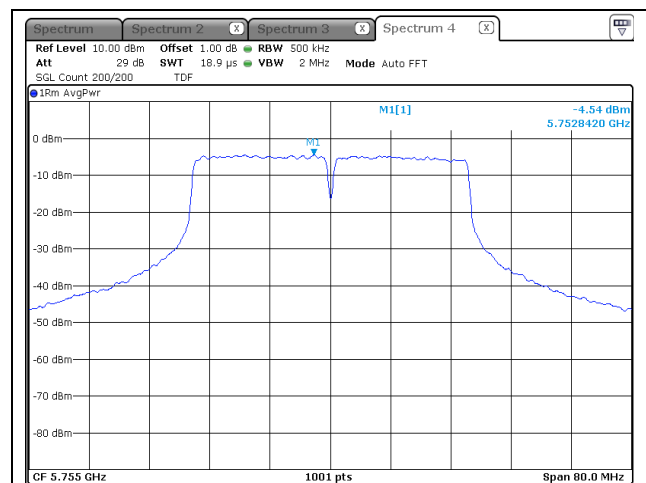
ANT 3



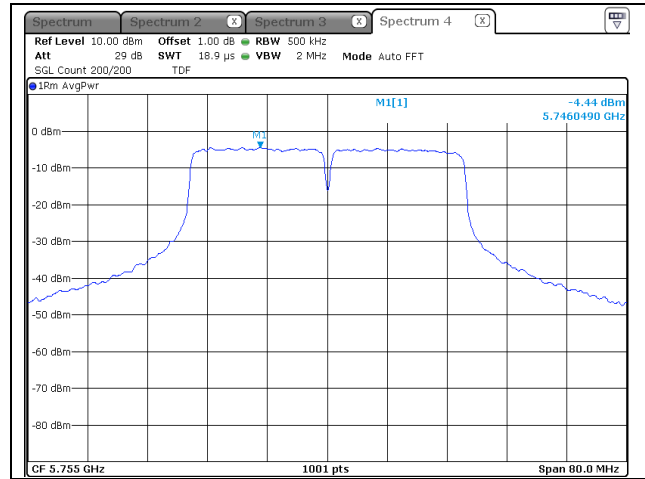
- 802.11ac VHT40

- 5 755 MHz

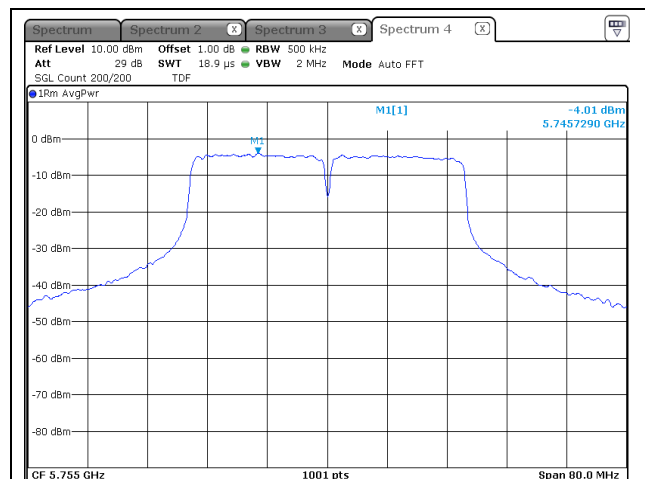
ANT 1



ANT 2



ANT 3



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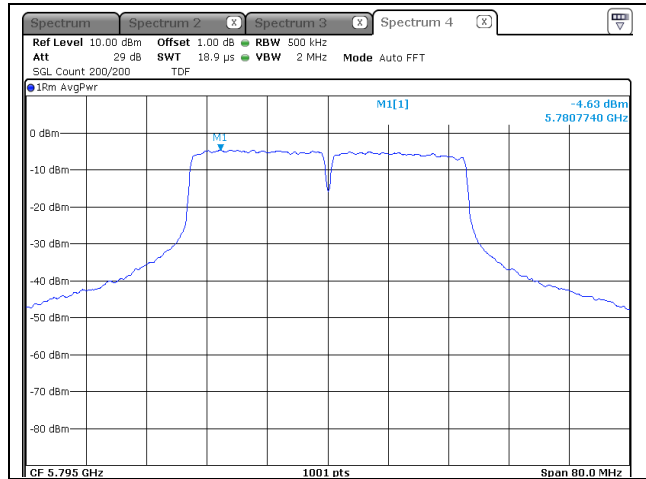
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Suwon-si, Gyeonggi-do, 443-390, Korea  
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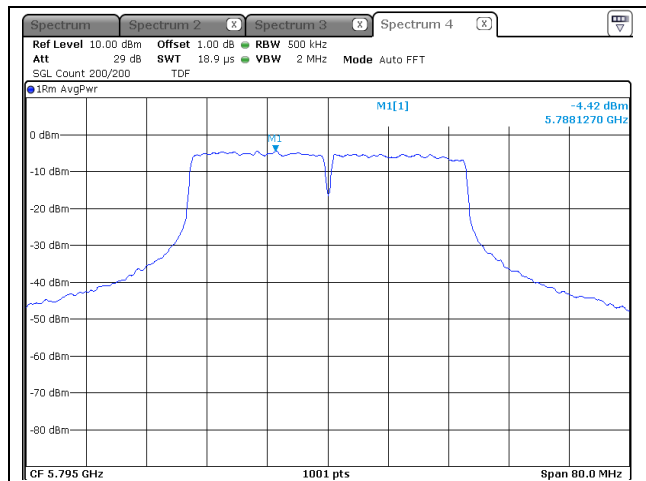


- 5 795 MHz

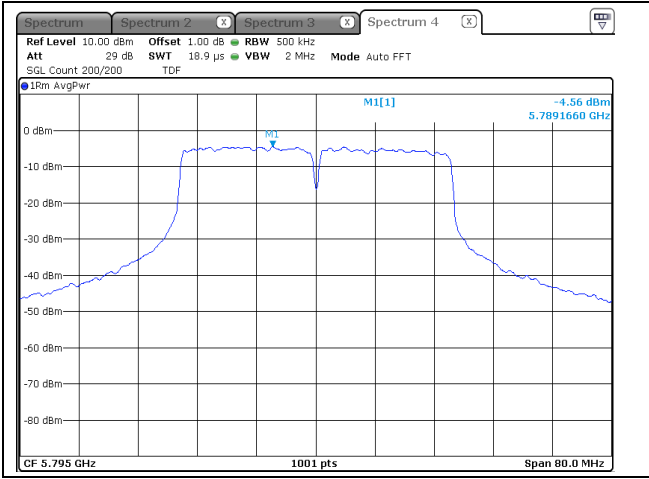
ANT 1



ANT 2



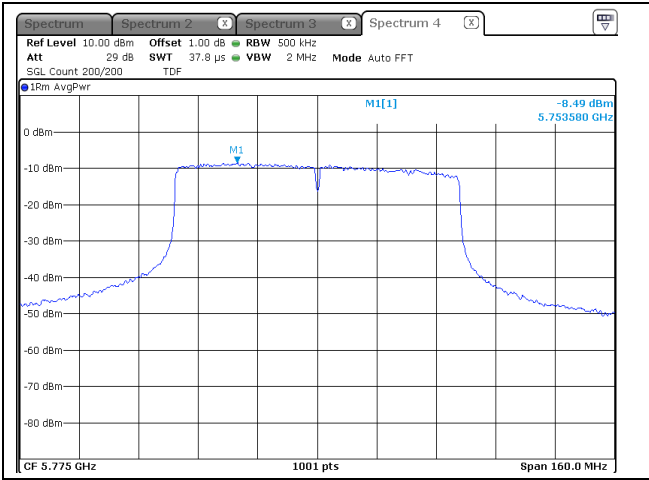
ANT 3



- 802.11ac VHT80

- 5 775 MHz

ANT 1



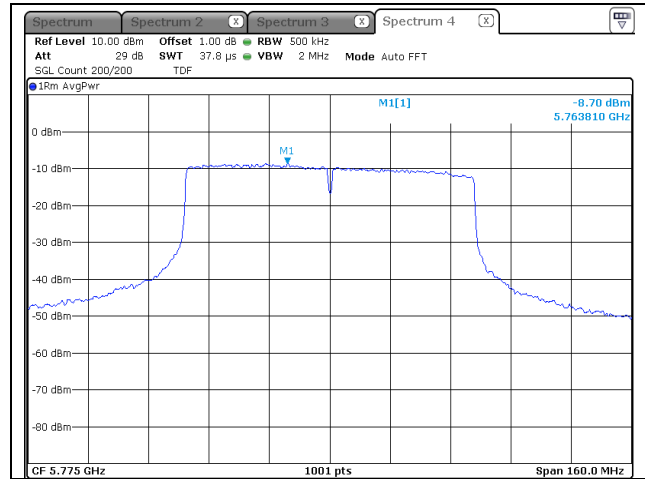
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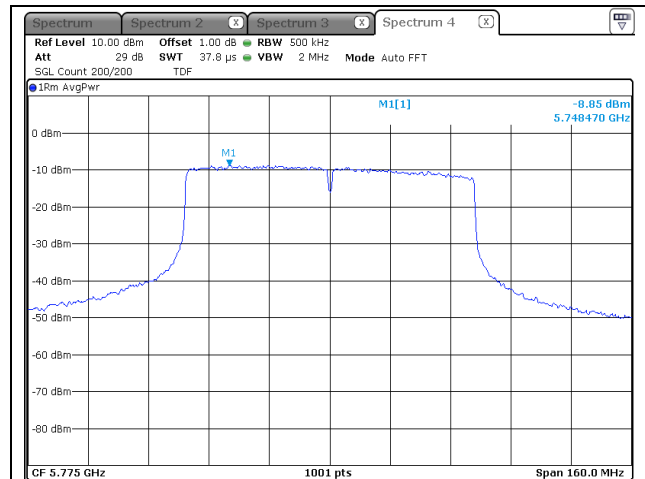
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### ANT 2



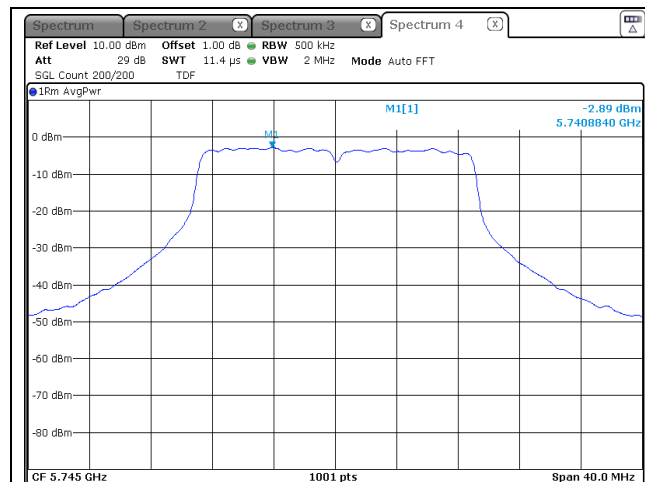
### ANT 3



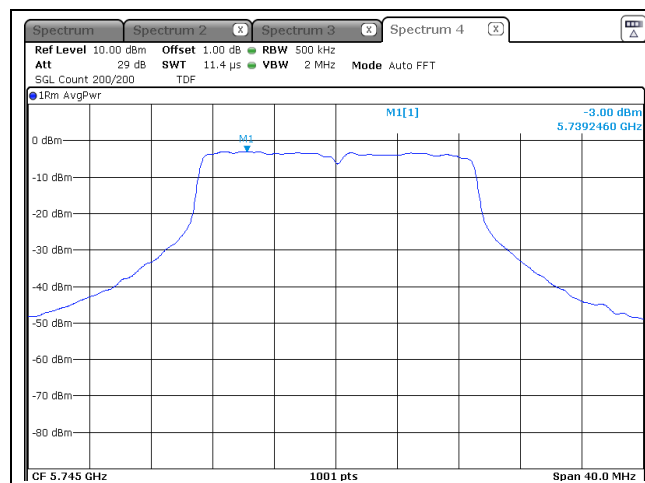
- 802.11n HT20

- 5 745 MHz

MIMO 2Tx (ANT 1)

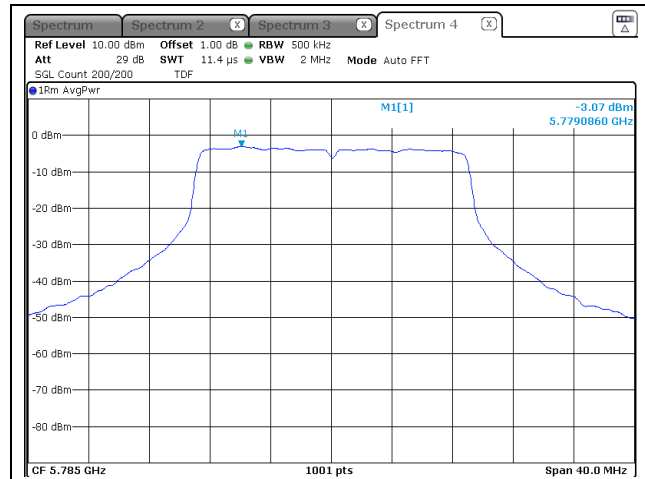


MIMO 2Tx (ANT 2)

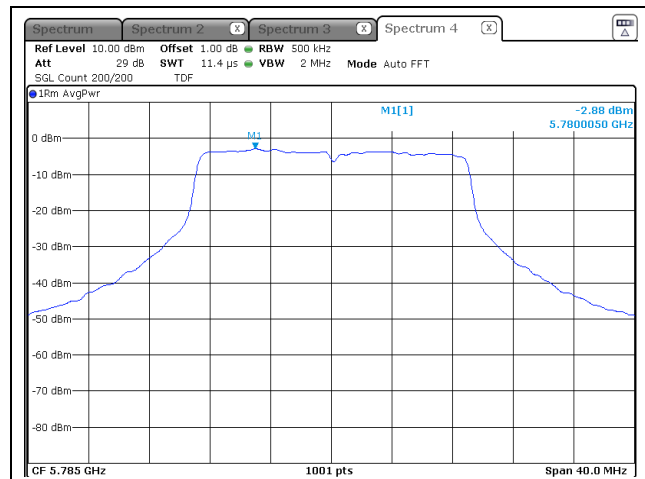


- 5 785 MHz

MIMO 2Tx (ANT 1)

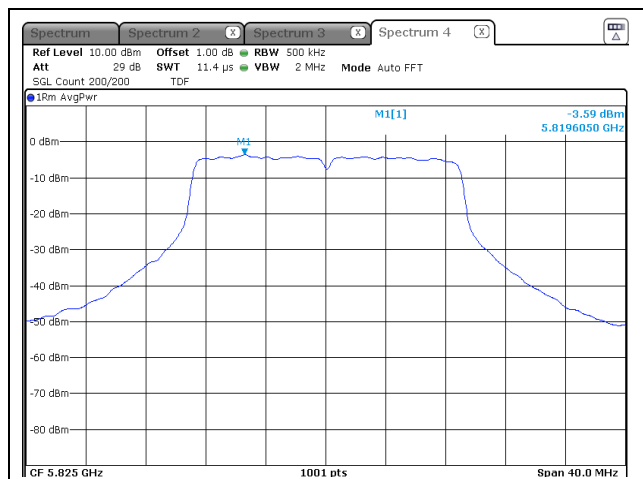


MIMO 2Tx (ANT 2)

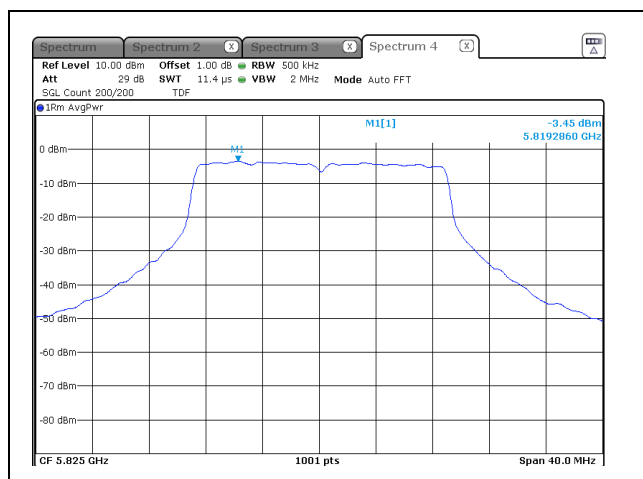


- 5 825 MHz

MIMO 2Tx (ANT 1)



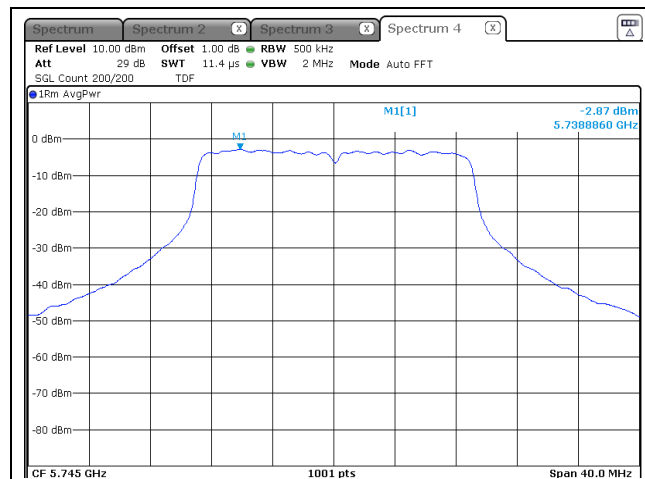
MIMO 2Tx (ANT 2)



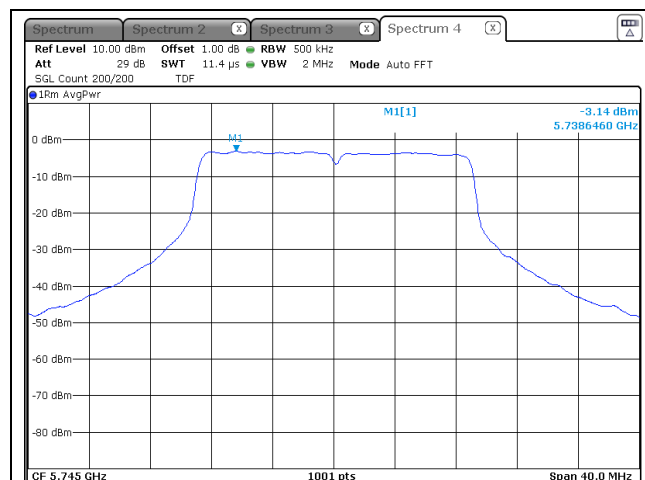
- 802.11ac VTH20

- 5 745 MHz

MIMO 2Tx (ANT 1)

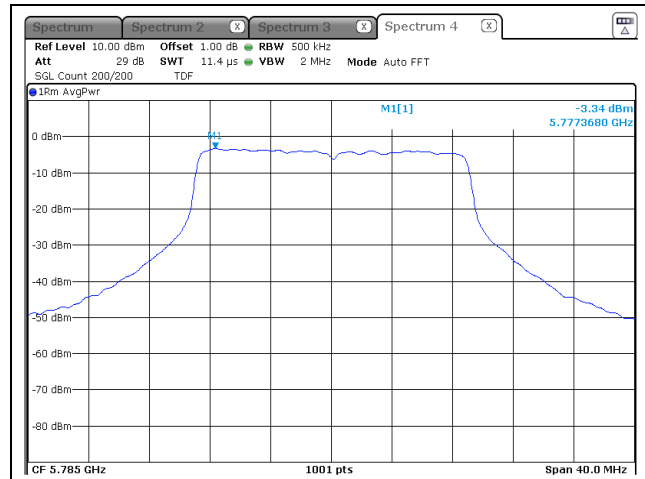


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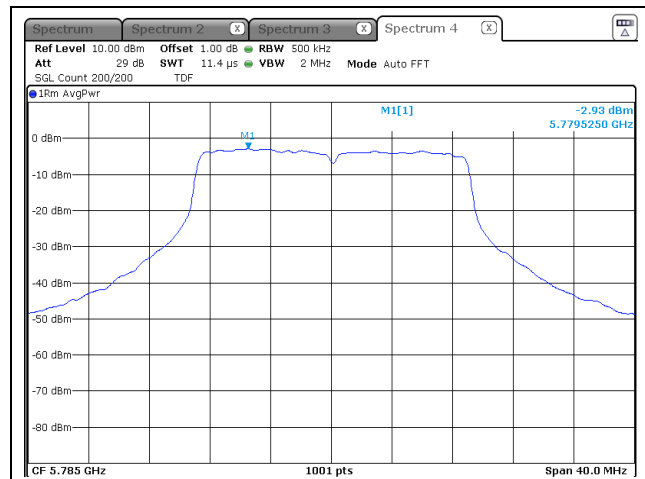


- 5 785 MHz

MIMO 2Tx (ANT 1)

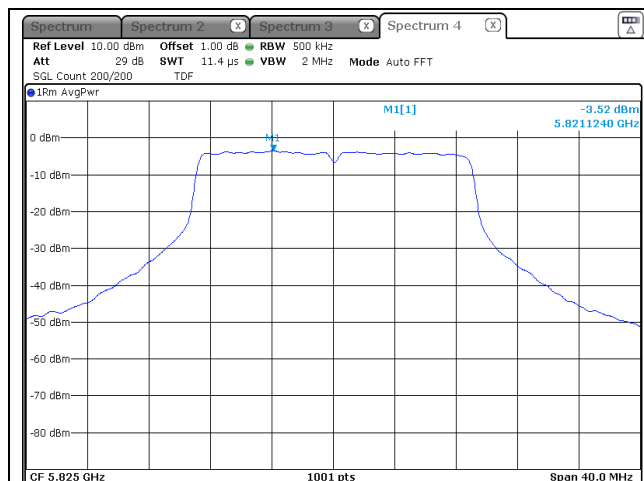


MIMO 2Tx (ANT 2)

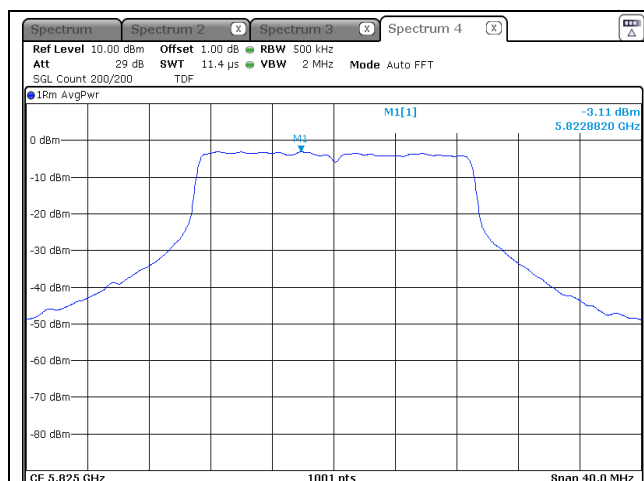


- 5 825 MHz

MIMO 2Tx (ANT 1)



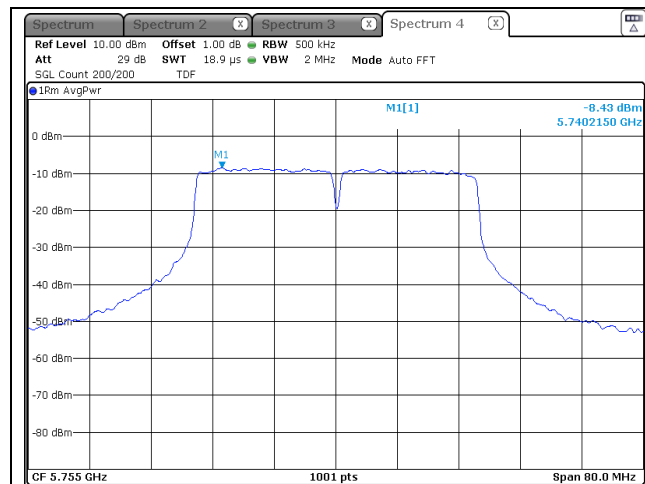
MIMO 2Tx (ANT 2)



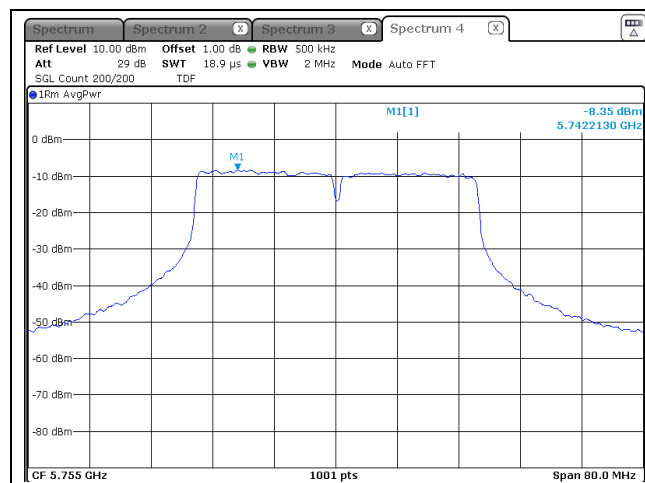
- 802.11n HT40

- 5 755 MHz

MIMO 2Tx (ANT 1)

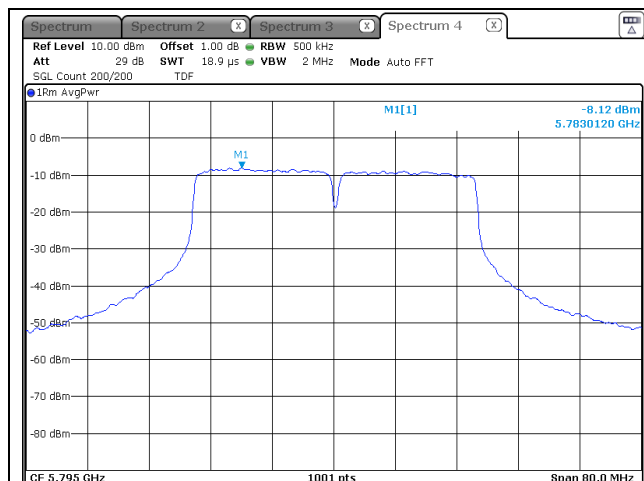


MIMO 2Tx (ANT 2)

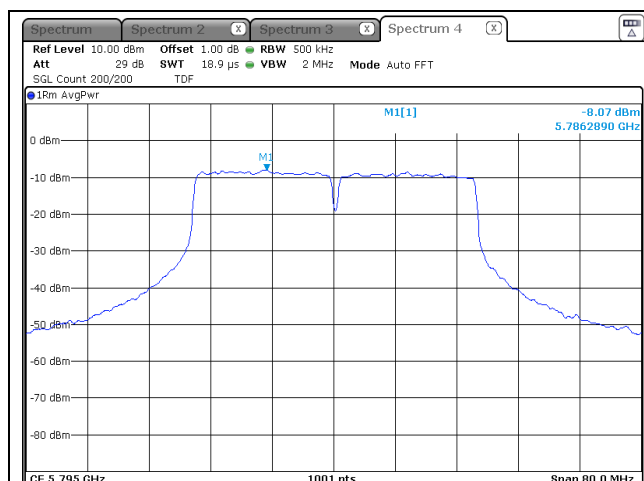


- 5 795 MHz

MIMO 2Tx (ANT 1)



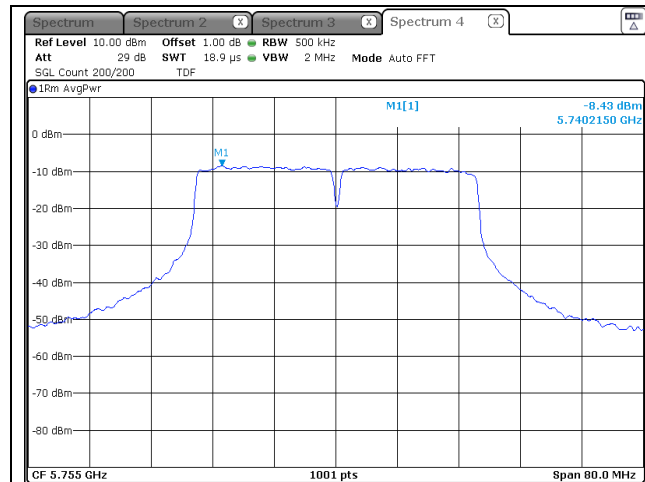
MIMO 2Tx (ANT 2)



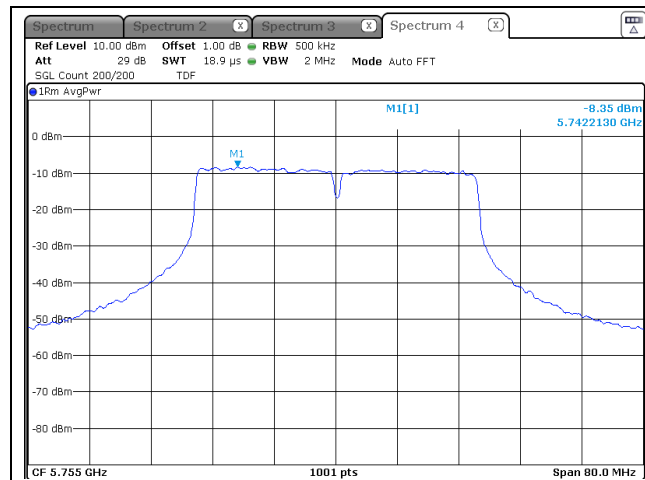
- 802.11n HT40

- 5 755 MHz

MIMO 2Tx (ANT 1)

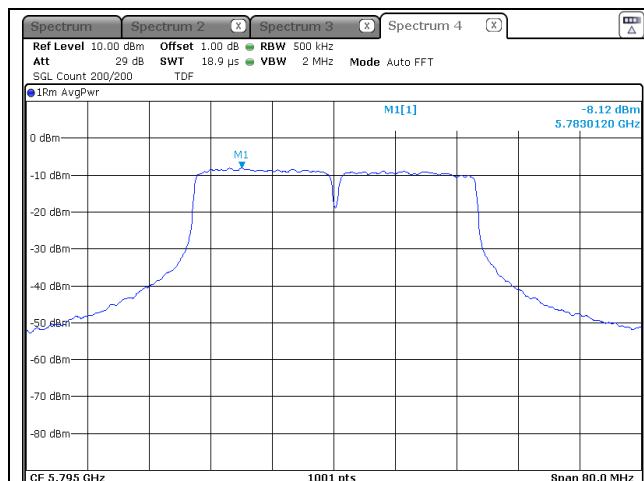


MIMO 2Tx (ANT 2)

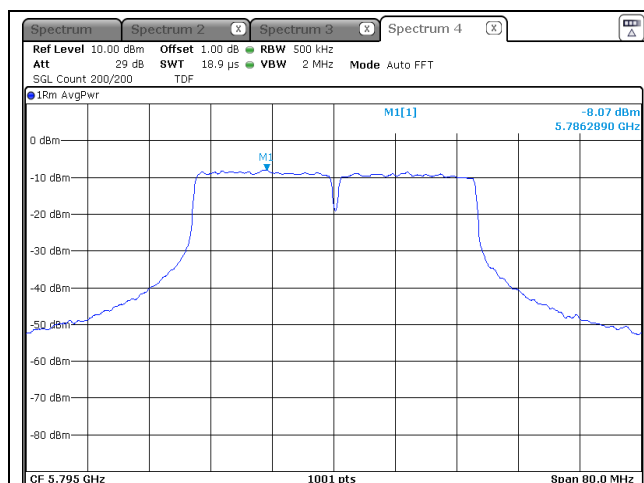


- 5 795 MHz

MIMO 2Tx (ANT 1)



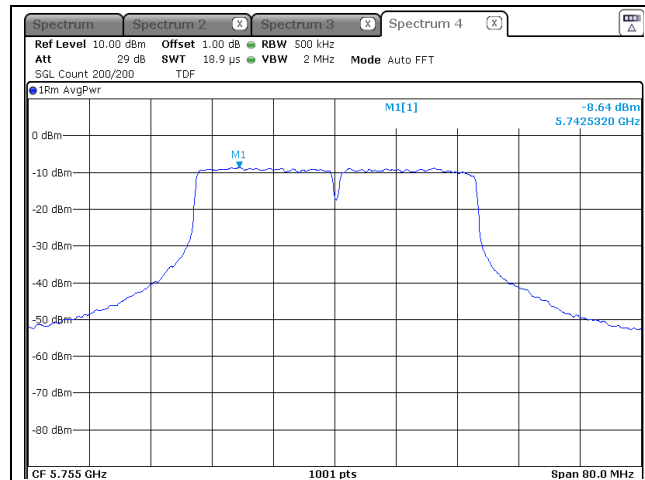
MIMO 2Tx (ANT 2)



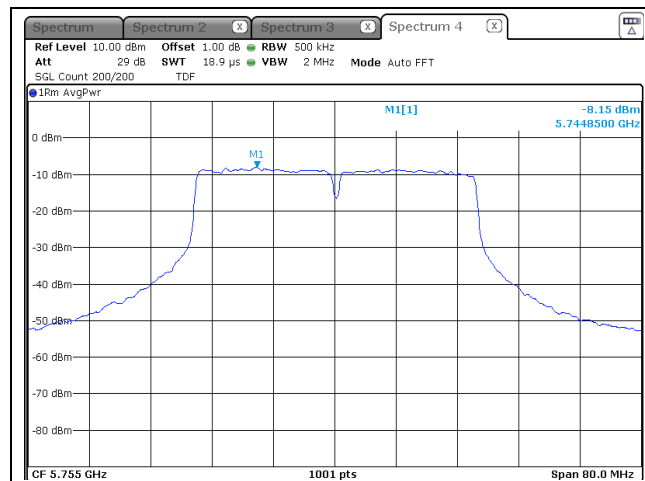
- 802.11ac VHT40

- 5 755 MHz

MIMO 2Tx (ANT 1)

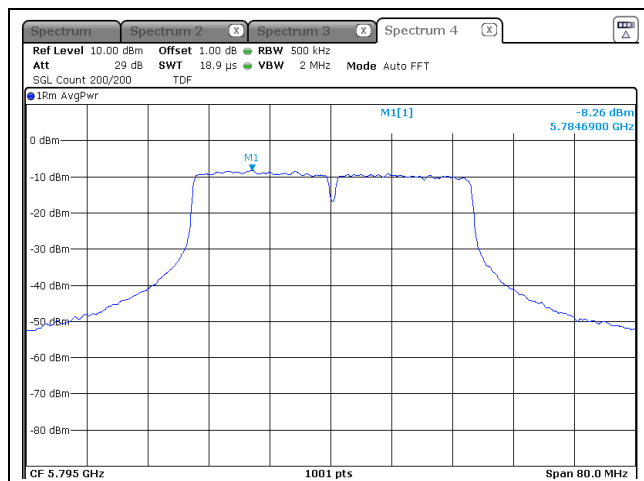


MIMO 2Tx (ANT 2)

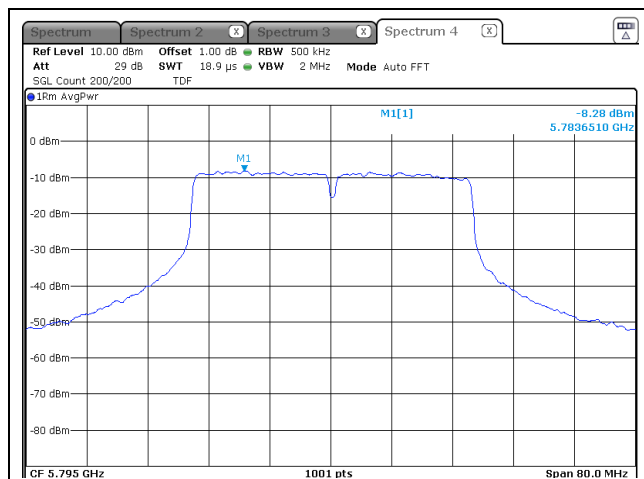


- 5 795 MHz

MIMO 2Tx (ANT 1)



MIMO 2Tx (ANT 2)



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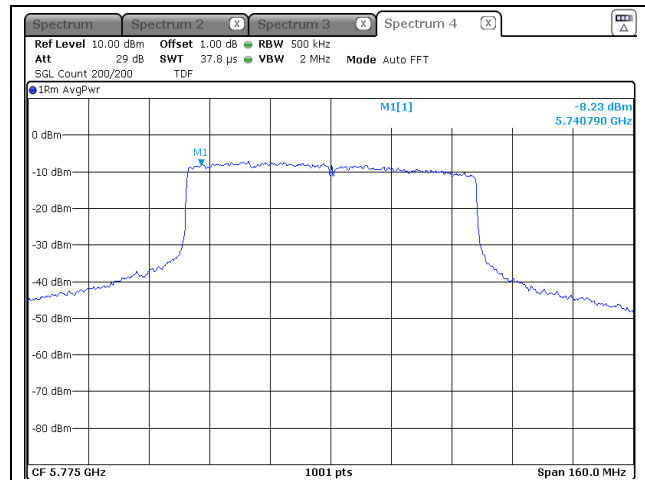
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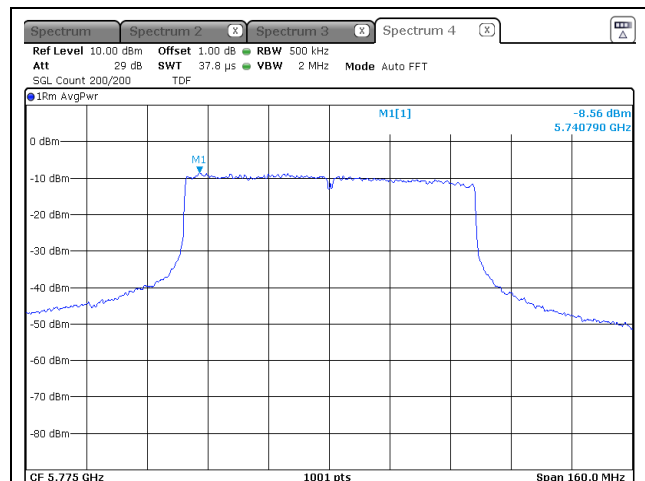
- 802.11ac VHT80

- 5 775 MHz

MIMO 2Tx (ANT 1)



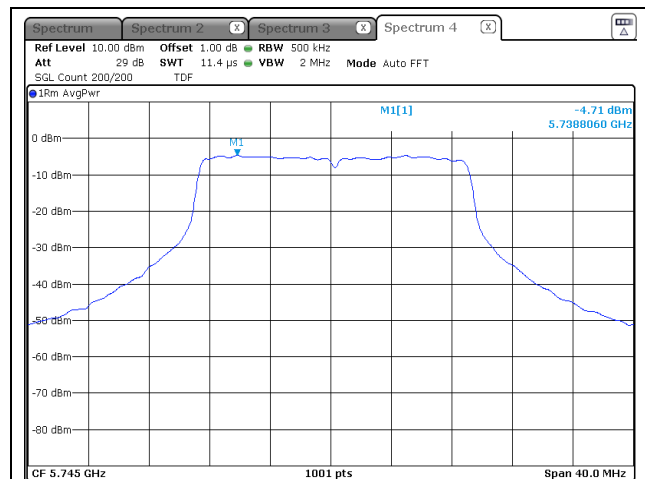
MIMO 2Tx (ANT 2)



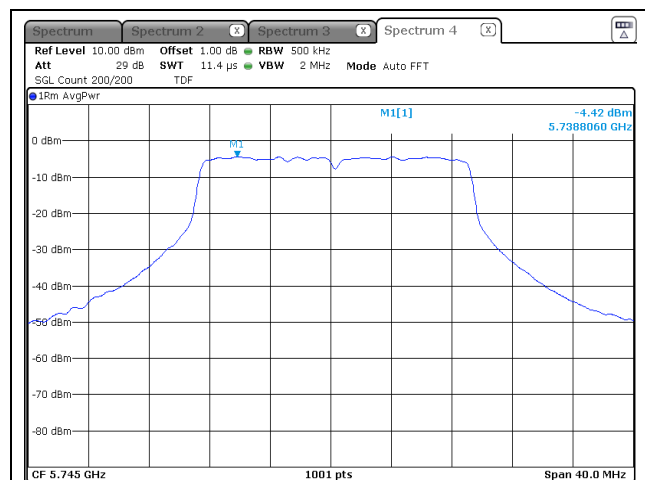
- 802.11n HT20

- 5 745 MHz

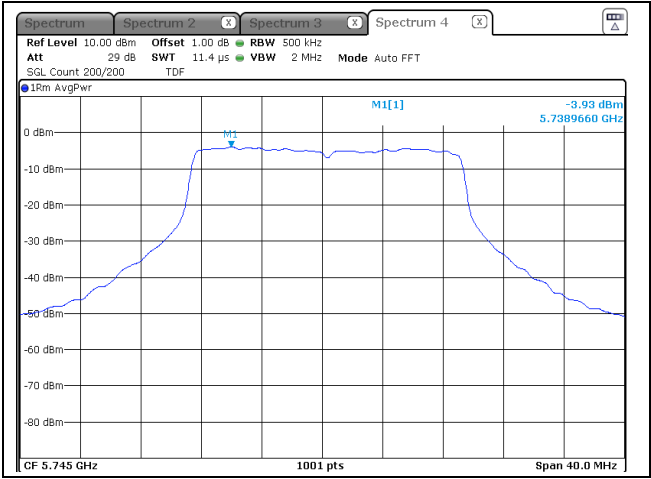
MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)

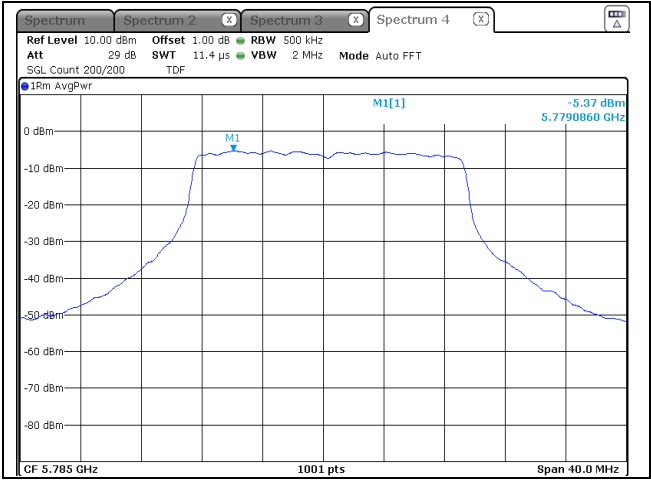


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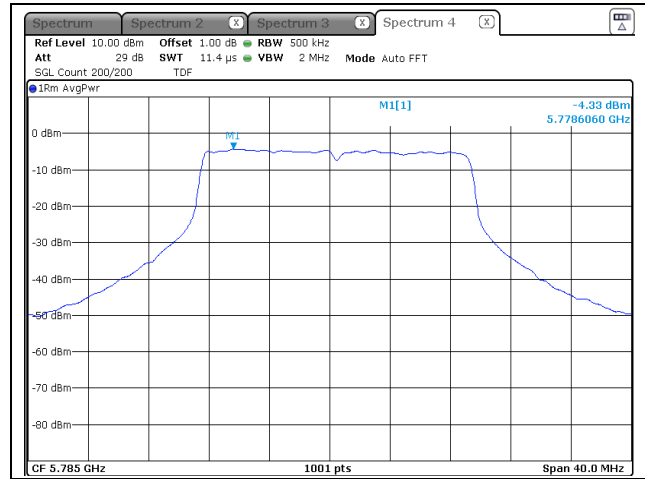


- 5 785 MHz

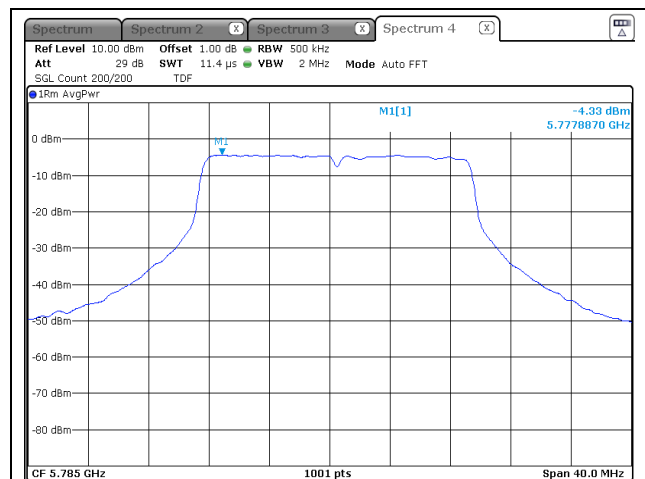
MIMO 3Tx (ANT 1)



## MIMO 3Tx (ANT 2)

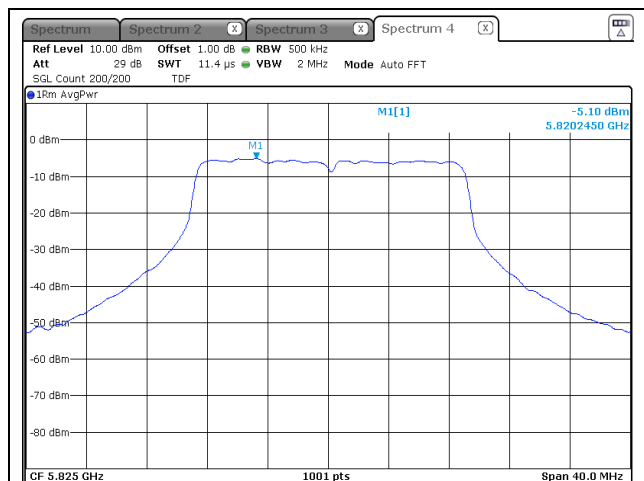


## MIMO 3Tx (ANT 3)

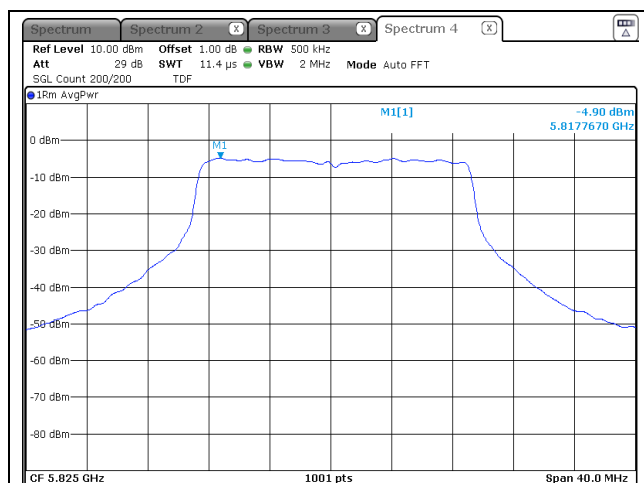


- 5 825 MHz

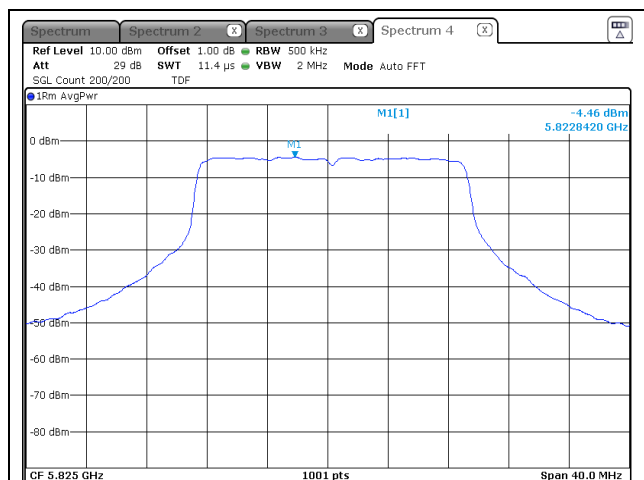
MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)



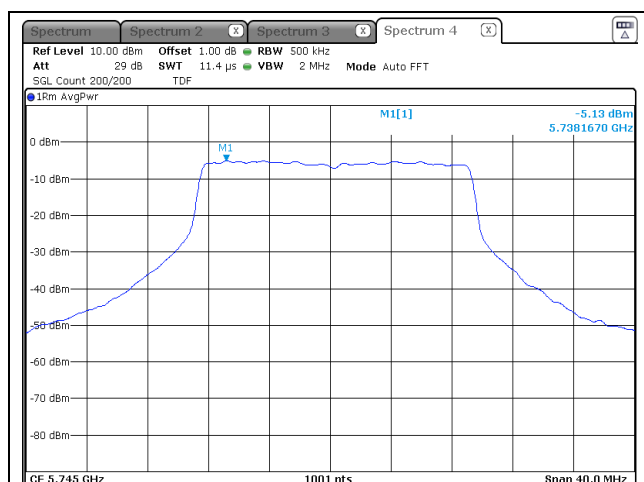
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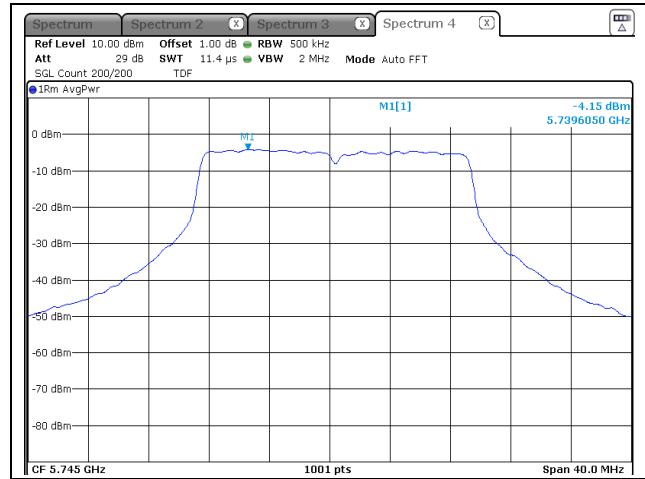
- 802.11ac VHT20

- 5 745 MHz

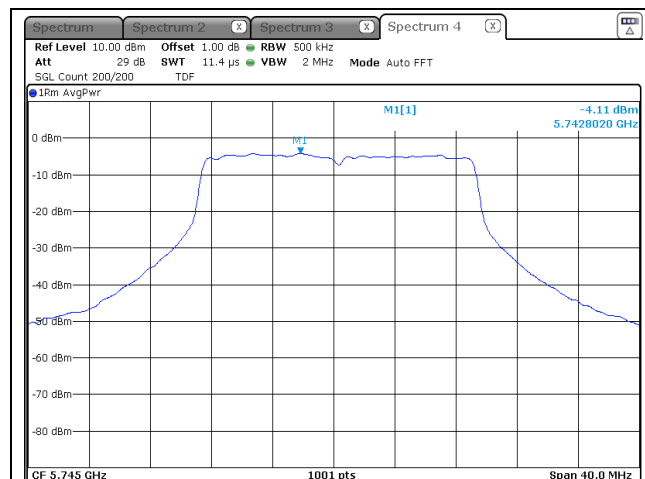
MIMO 3Tx (ANT 1)



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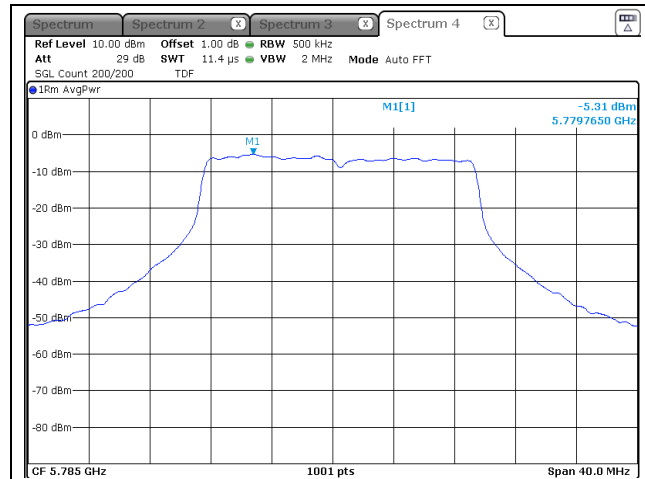


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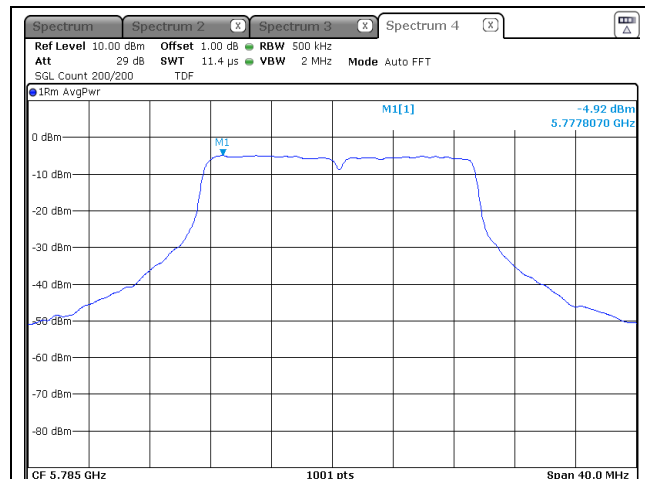


- 5 785 MHz

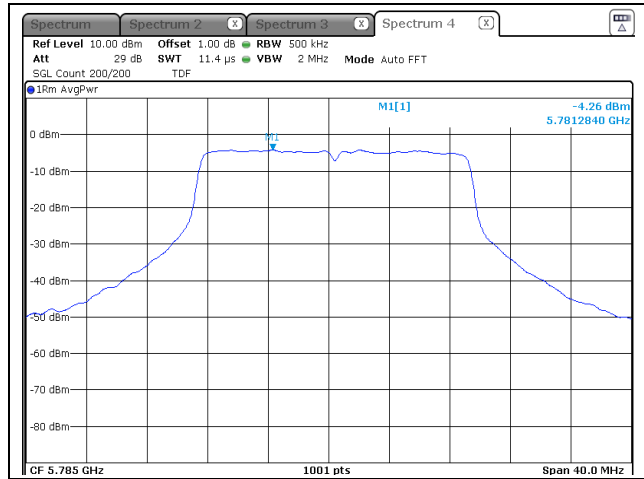
MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)

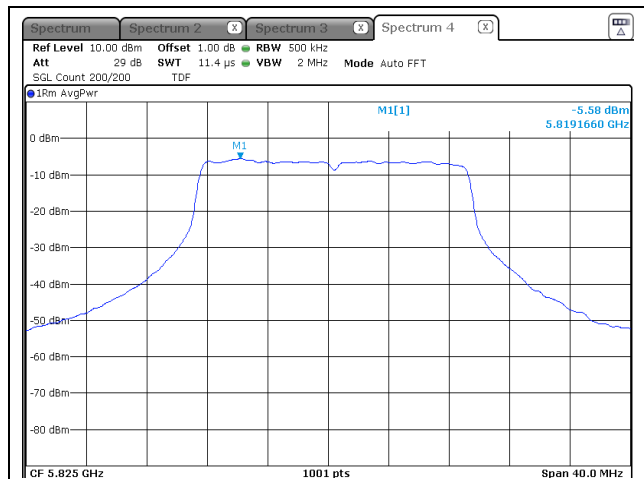


MIMO 3Tx (ANT 3)

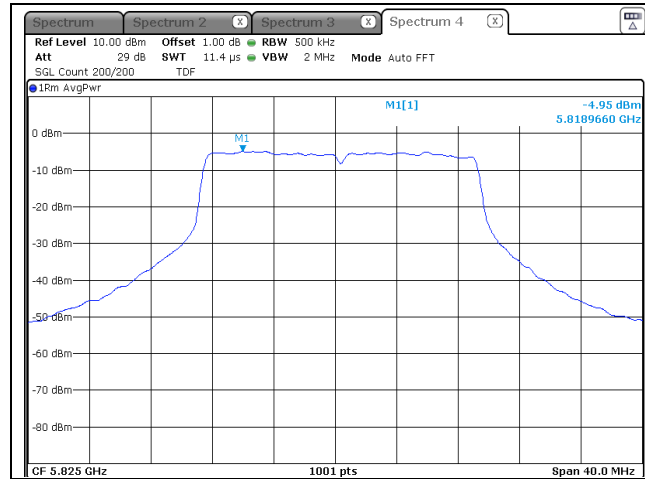


- 5 825 MHz

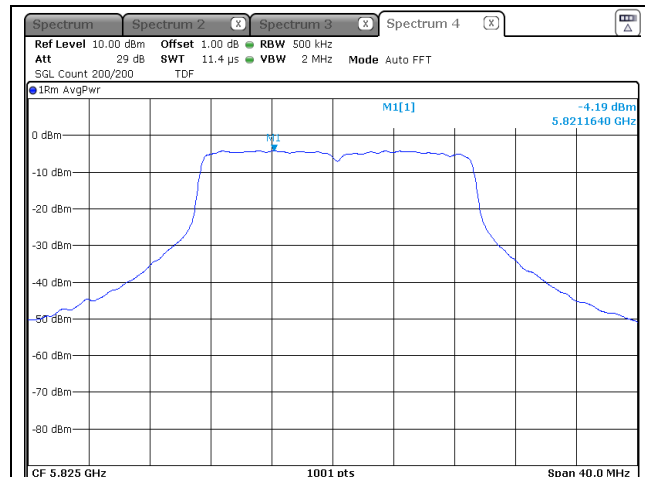
MIMO 3Tx (ANT 1)



## MIMO 3Tx (ANT 2)



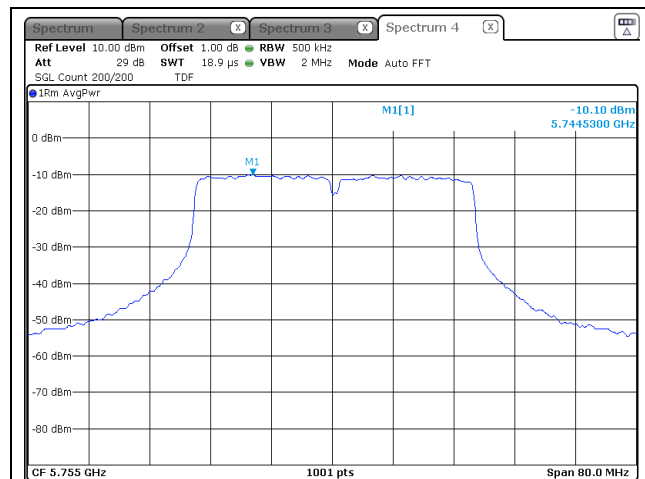
## MIMO 3Tx (ANT 3)



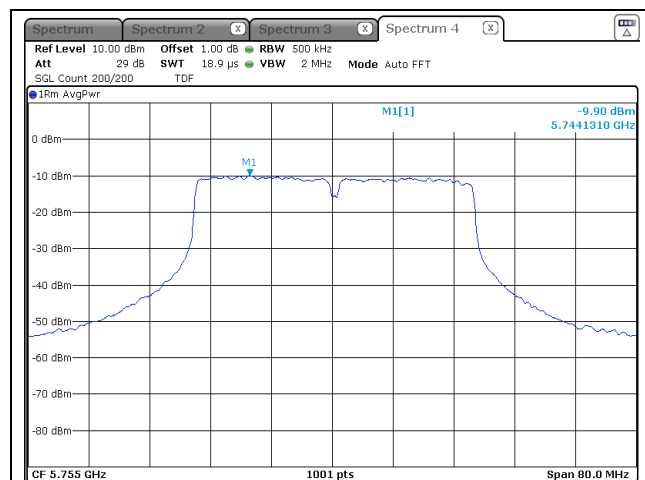
- 802.11n HT40

- 5 755 MHz

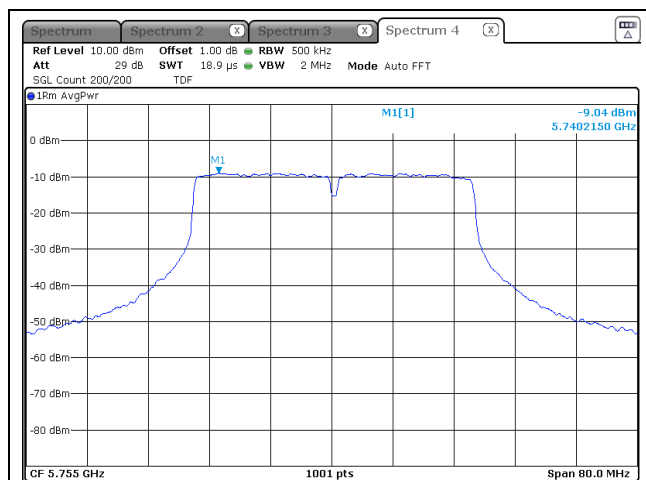
MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)

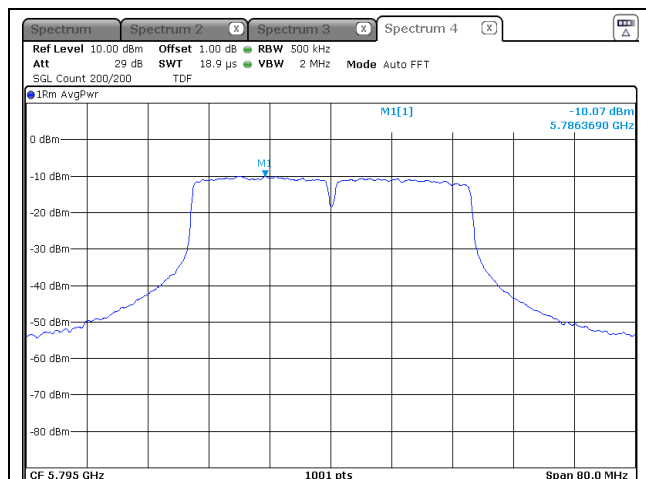


MIMO 3Tx (ANT 3)

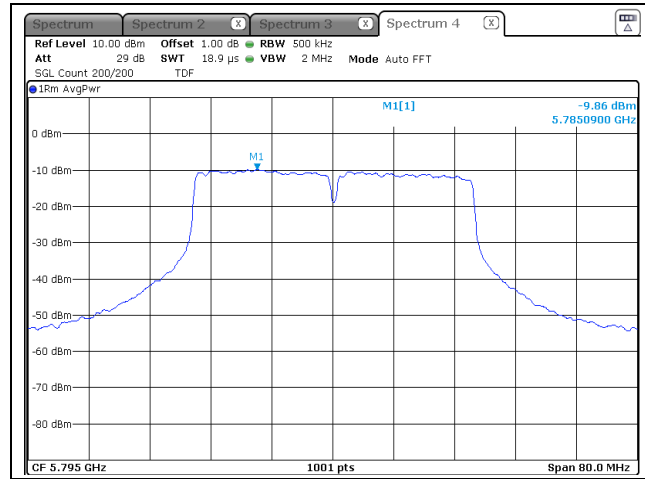


- 5 795 MHz

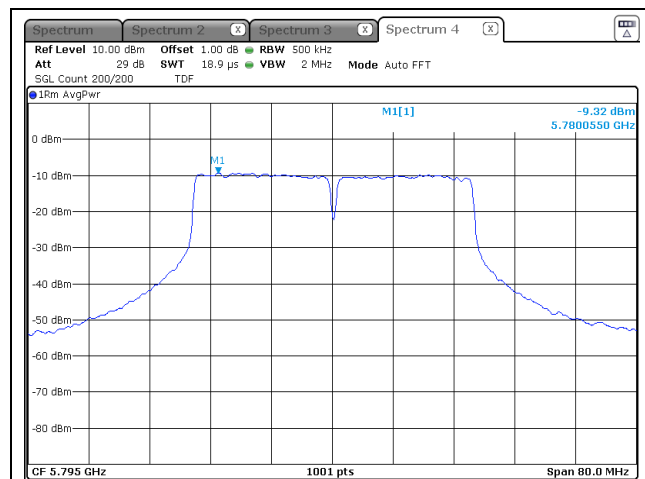
MIMO 3Tx (ANT 1)



## MIMO 3Tx (ANT 2)



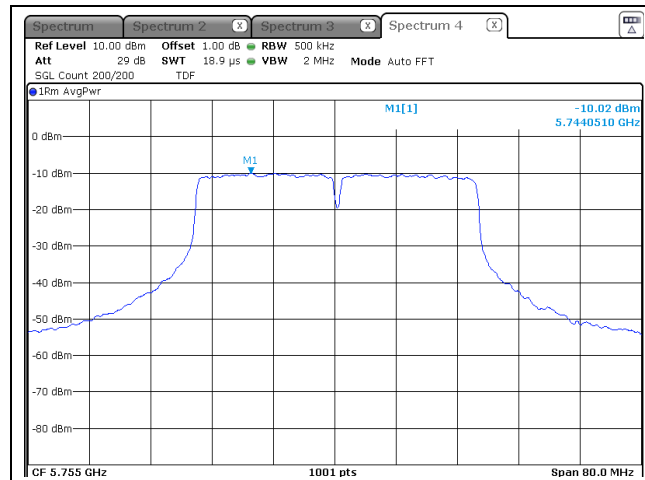
## MIMO 3Tx (ANT 3)



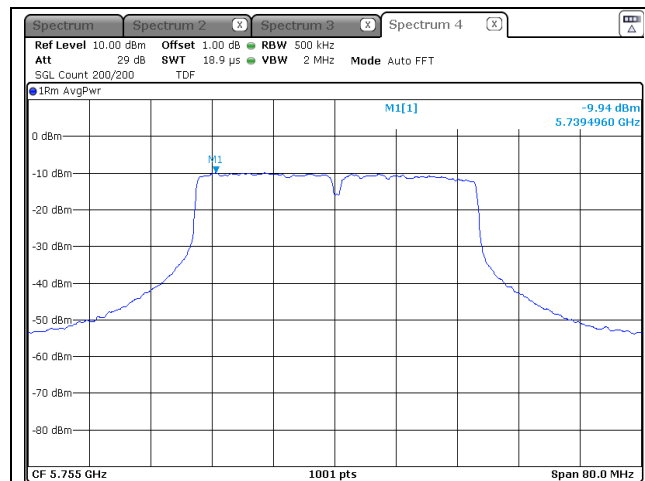
- 802.11ac VHT40

- 5 755 MHz

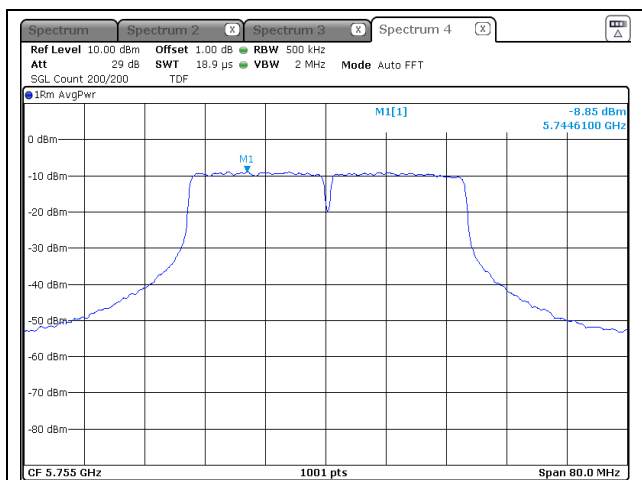
MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)

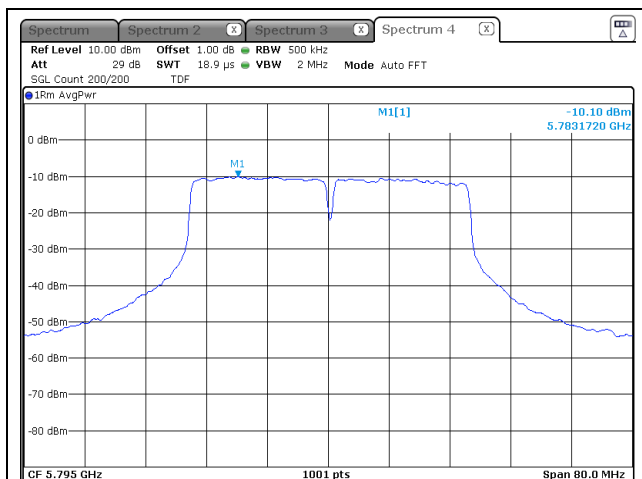


## MIMO 3Tx (ANT 3)



- 5 795 MHz

## MIMO 3Tx (ANT 1)



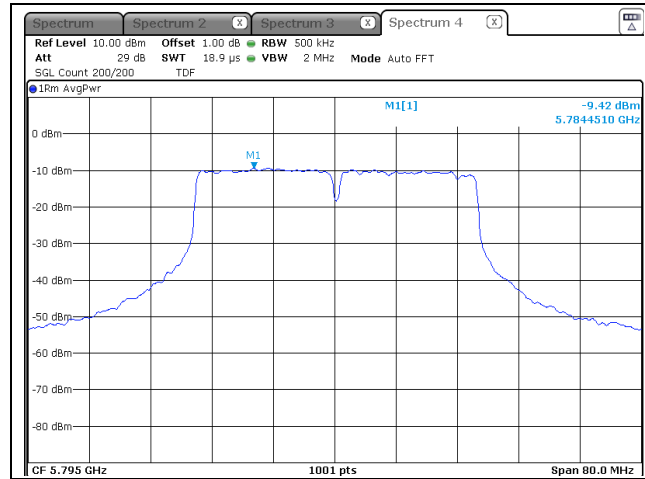
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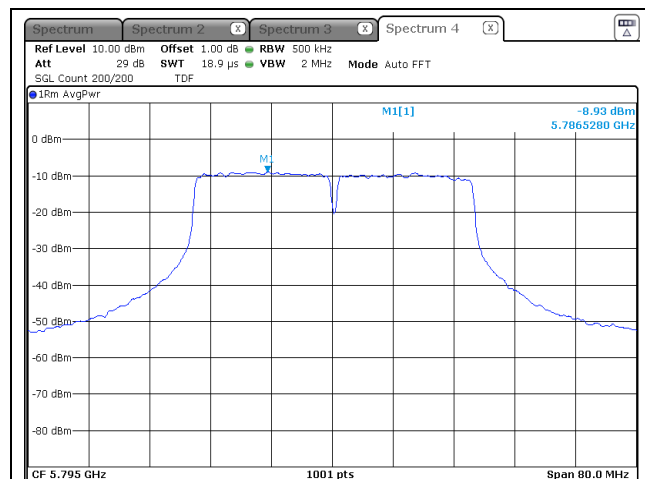
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### MIMO 3Tx (ANT 2)



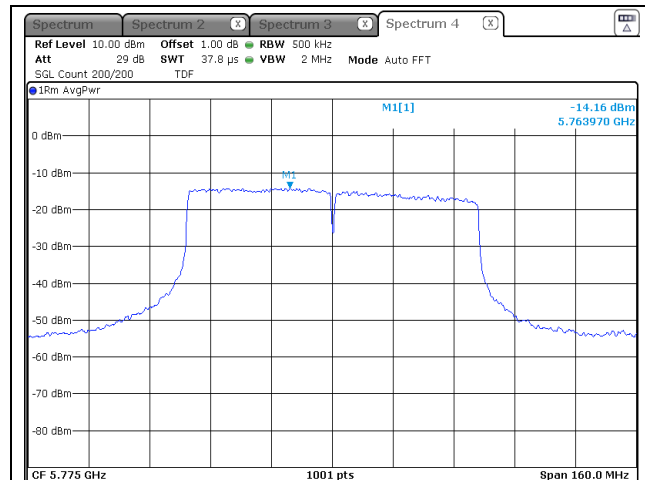
### MIMO 3Tx (ANT 3)



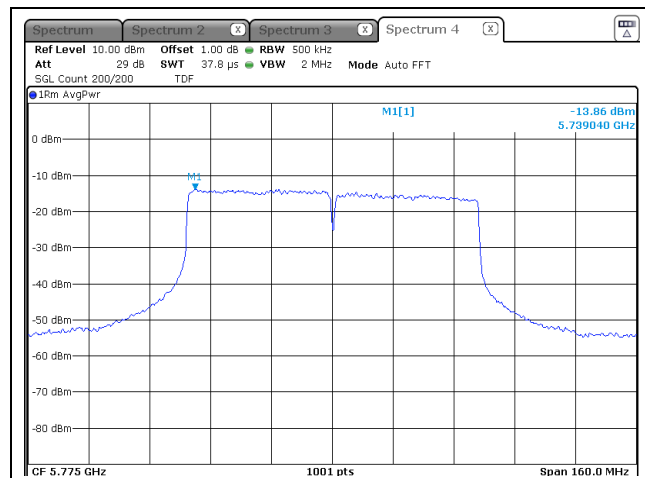
- 802.11ac VHT80

- 5 775 MHz

MIMO 3Tx (ANT 1)



MIMO 3Tx (ANT 2)



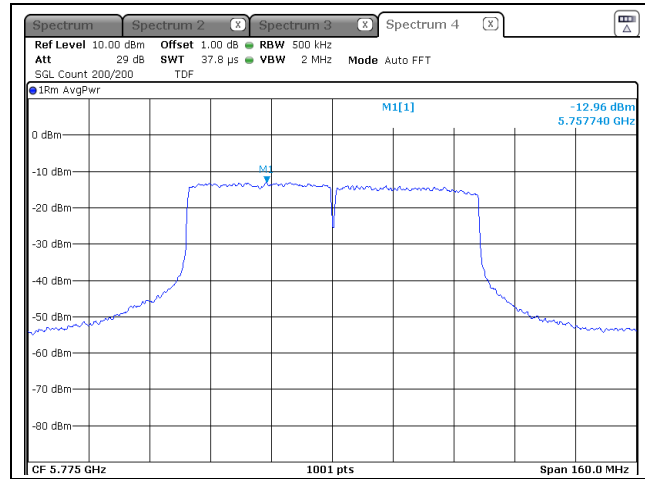
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MIMO 3Tx (ANT 3)



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KCTL-TIR001-003/0

## 5.5 Spurious Emission, Band Edge And Restricted Bands

### 5.5.1 Regulation

According to §15.407(b)(1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.

According to §15.407(b) (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

According to §15.407(b) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

According to §15.407(b) (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

According to §15.407(b)(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

According to §15.209(a), Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field strength (μV/m) | Measurement distance (m) |
|-----------------|-----------------------|--------------------------|
| 0.009 - 0.490   | 2 400/F(kHz)          | 300                      |
| 0.490 -1.705    | 24 000/F(kHz)         | 30                       |
| 1.705 - 30      | 30                    | 30                       |
| 30 - 88         | 100                   | 3                        |
| 88 - 216        | 150                   | 3                        |
| 216 - 960       | 200                   | 3                        |
| Above 960       | 500                   | 3                        |

\*\* The emission limits shown in the above table are based on measurement instrumentation employing a CISPR quasi-peak detector and above 1000 MHz are based on the average value of measured emissions.

According to §15.407(b)(7) The provisions of §15.205 apply to intentional radiators operating under this section.

(8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency block edges as the design of the equipment permits.

According to § 15.205(a) and (b), only spurious emissions are permitted in any of the frequency bands listed below:

| MHz                   | MHz                     | MHz               | GHz           |
|-----------------------|-------------------------|-------------------|---------------|
| 0.009 - 0.110         | 16.42 - 16.423          | 399.9 - 410       | 4.5 - 5.15    |
| 0.495 - 0.505         | 16.694 75 - 16.695 25   | 608 - 614         | 5.35 - 5.46   |
| 2.173 5 - 2.190 5     | 16.804 25 - 16.804 75   | 960 - 1 240       | 7.25 - 7.75   |
| 4.125 - 4.128         | 25.5 - 25.67            | 1 300 - 1 427     | 8.025 - 8.5   |
| 4.177 25 - 4.177 75   | 37.5 - 38.25            | 1 435 - 1 626.5   | 9.0 - 9.2     |
| 4.207 25 - 4.207 75   | 73 - 74.6               | 1 645.5 - 1 646.5 | 9.3 - 9.5     |
| 6.215 - 6.218         | 74.8 - 75.2             | 1 660 - 1 710     | 10.6 - 12.7   |
| 6.267 75 - 6.268 25   | 108 - 121.94            | 1 718.8 - 1 722.2 | 13.25 - 13.4  |
| 6.311 75 - 6.312 25   | 123 - 138               | 2 200 - 2 300     | 14.47 - 14.5  |
| 8.291 - 8.294         | 149.9 - 150.05          | 2 310 - 2 390     | 15.35 - 16.2  |
| 8.362 - 8.366         | 156.524 75 - 156.525 25 | 2 483.5 - 2 500   | 17.7 - 21.4   |
| 8.376 25 - 8.386 75   | 156.7 - 156.9           | 2 690 - 2 900     | 22.01 - 23.12 |
| 8.414 25 - 8.414 75   | 162.012 5 - 167.17      | 3 260 - 3 267     | 23.6 - 24.0   |
| 12.29 - 12.293        | 167.72 - 173.2          | 3 332 - 3 339     | 31.2 - 31.8   |
| 12.519 75 - 12.520 25 | 240 - 285               | 3 345.8 - 3 358   | 36.43 - 36.5  |
| 12.576 75 - 12.577 25 | 322 - 335.4             | 3 600 - 4 400     | Above 38.6    |
| 13.36 - 13.41         |                         |                   |               |

The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1 000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1 000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

## 5.5.2 Measurement Procedure

These test measurement settings are specified in section G of 789033 D02 General UNII Test Procedures New Rules v01.

For all radiated emissions tests, measurements must correspond to the direction of maximum emission level for each measured emission (see ANSI C63.10 for guidance).

### 5.5.2.1 Unwanted Emission Measurement

#### 5.5.2.1.1 1. Unwanted Emissions in the Restricted Bands

- a) For all measurements, follow the requirements in section II.G.3. “General Requirements for Unwanted Emissions Measurements.”
- b) At frequencies below 1000 MHz, use the procedure described in section II.G.4. “Procedure for Unwanted Emissions Measurements Below 1000 MHz.”
- c) At frequencies above 1000 MHz, measurements performed using the peak and average measurement procedures described in sections II.G.5. and II.G.6, respectively, must satisfy the respective peak and average limits. If all peak measurements satisfy the average limit, then average measurements are not required.
- d) For conducted measurements above 1000 MHz, EIRP shall be computed as specified in section II.G.3.b) and then field strength shall be computed as follows (see KDB Publication 412172): (i)  $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77$ , where  $E$  = field strength and  $d$  = distance at which field strength limit is specified in the rules; (ii)  $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] + 95.2$ , for  $d = 3$  meters.
- e) For conducted measurements below 1000 MHz, the field strength shall be computed as specified in d), above, and then an additional 4.7 dB shall be added as an upper bound on the field strength that would be observed on a test range with a ground plane for frequencies between 30 MHz and 1000 MHz, or an additional 6 dB shall be added for frequencies below 30 MHz.<sup>2</sup>

#### 5.5.2.1.1 2. Unwanted Emissions that fall Outside of the Restricted Bands

- a) For all measurements, follow the requirements in section II.G3. “General Requirements for Unwanted Emissions Measurements.”
- b) At frequencies below 1000 MHz, use the procedure described in section II.G4. “Procedure for Unwanted Emissions Measurements Below 1000 MHz.”
- c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in section II.G5., “Procedure for Unwanted Maximum Unwanted Emissions Measurements Above 1000 MHz.”
  - (i) Section 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and 2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz. However, an out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz dBm/MHz peak emission limit.
  - (ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the alternative limit.
- d) If radiated measurements are performed, field strength is then converted to EIRP as follows:
  - (i)  $EIRP = ((E \times d)^2) / 30$  where:
    - E is the field strength in V/m;
    - d is the measurement distance in meters;
    - EIRP is the equivalent isotropically radiated power in watts.
  - (ii) Working in dB units, the above equation is equivalent to:  $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$
  - (iii) Or, if d is 3 meters:  $EIRP[dBm] = E[dB\mu V/m] - 95.2$

### 5.5.2.2 Spurious Radiated Emissions:

1. The preliminary and final radiated measurements were performed to determine the frequency producing the maximum emissions in at a 10m anechoic chamber. The EUT was tested at a distance 3 meters.
2. The EUT was placed on the top of the 0.8-meter height, 1 × 1.5 meter non-metallic table. To find the maximum emission levels, the height of a measuring antenna was changed and the turntable was rotated 360°.
3. The antenna polarization was also changed from vertical to horizontal. The spectrum was scanned from 9 kHz to 30 MHz using the loop antenna, and from 30 to 1000 MHz using the TRILOG broadband antenna, and from 1 000 MHz to 40 000 MHz using the horn antenna.
4. Each frequency found during preliminary measurements was re-examined and investigated. The test-receiver system was set up to average, peak, and quasi-peak detector function with specified bandwidth.
5. The 0.8m height is measurement for below 1 GHz and 1.5m is for above 1 GHz measurement.

#### Note

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1 GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection and frequency above 1 GHz.

### 5.5.3 Test Result

-complied

1. Band-edge & Conducted Spurious Emissions was shown in figure 3.  
Note: We took the insertion loss of the cable into consideration within the measuring instrument.
2. Measured value of the Field strength of spurious Emissions (Radiated)
3. It tested x,y and z – 3 axis each, mentioned only worst case data at this report.

**- Below 1 GHz data (Worst-case: 5 150 Band 802.11a\_ANT 2)**

**802.11a\_Highest Channel (5 240 Mhz)**

| Frequency<br>[MHz]                                           | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Quasi-Peak DATA. Emissions below 30 Mhz (3m Distance)</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| Below<br>30.00                                               | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |
| <b>Quasi-Peak DATA. Emissions below 1 GHz</b>                |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 99.84                                                        | 120                            | V             | 45.10               | -2.25                 | -28.02              | 11.67                     | -18.60         | 26.50                | 43.50               | 17.00          |
| 154.89                                                       | 120                            | H             | 58.00               | -2.77                 | -26.93              | 8.60                      | -21.10         | 36.90                | 43.50               | 6.60           |
| 202.90                                                       | 120                            | H             | 55.40               | -2.31                 | -29.23              | 13.64                     | -17.90         | 37.50                | 43.50               | 6.00           |
| 375.08                                                       | 120                            | H             | 45.80               | -4.41                 | -23.74              | 15.25                     | -12.90         | 32.90                | 46.00               | 13.10          |
| 625.10                                                       | 120                            | V             | 38.70               | -5.76                 | -20.92              | 19.38                     | -7.30          | 31.40                | 46.00               | 14.60          |
| 900.09                                                       | 120                            | H             | 40.90               | -7.14                 | -18.06              | 22.20                     | -3.00          | 37.90                | 46.00               | 8.10           |
| <b>Above<br/>950.00</b>                                      | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

**- Above 1 GHz data**

5 150 Band

- ANT 1

**802.11a\_Lowest Channel (5 180 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 200.06                                   | 1 000                          | H             | 55.20               | 2.65                  | -48.34              | 29.09                     | -16.60         | 38.60                | 74.00               | 35.40          |
| 2 442.38                                   | 1 000                          | H             | 67.00               | 6.12                  | -47.12              | 31.30                     | -9.70          | 57.30                | 74.00               | 16.70          |
| 5 147.69                                   | 1 000                          | H             | 55.40               | 7.24                  | -46.30              | 34.96                     | -4.10          | 51.30                | 74.00               | 22.70          |
| 6 906.81                                   | 1 000                          | H             | 53.00               | 8.79                  | -46.02              | 35.83                     | -1.40          | 51.60                | 68.20               | 16.60          |
| 14 110.12                                  | 1 000                          | H             | 44.50               | 12.15                 | -43.68              | 39.33                     | 7.80           | 52.30                | 68.20               | 15.90          |
| 27 520.50                                  | 1 000                          | H             | 41.80               | 15.10                 | -47.60              | 45.60                     | 13.10          | 54.90                | 68.20               | 13.30          |
| 38 790.00                                  | 1 000                          | V             | 44.00               | 18.50                 | -49.70              | 44.30                     | 13.10          | 57.10                | 68.20               | 11.10          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 200.06                                   | 1 000                          | H             | 43.10               | 2.65                  | -48.34              | 29.09                     | -16.60         | 26.50                | 54.00               | 27.50          |
| 2 442.38                                   | 1 000                          | H             | 39.80               | 6.12                  | -47.12              | 31.30                     | -9.70          | 30.10                | 54.00               | 23.90          |
| 5 147.69                                   | 1 000                          | H             | 43.90               | 7.24                  | -46.30              | 34.96                     | -4.10          | 39.80                | 54.00               | 14.20          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11a\_Middle Channel (5 200 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB( $\mu$ V)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB( $\mu$ V/m)] | Limit<br>[dB( $\mu$ V/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------------|-----------------------|---------------------|---------------------------|----------------|----------------------------|---------------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                           |                       |                     |                           |                |                            |                           |                |
| 1 716.38                                   | 1 000                          | H             | 70.80                     | 2.38                  | -47.67              | 30.09                     | -15.20         | 55.60                      | 74.00                     | 18.40          |
| 1 952.19                                   | 1 000                          | V             | 69.20                     | 4.51                  | -47.36              | 30.55                     | -12.30         | 56.90                      | 74.00                     | 17.10          |
| 6 932.69                                   | 1 000                          | H             | 50.60                     | 8.78                  | -46.04              | 35.86                     | -1.40          | 49.20                      | 68.20                     | 19.00          |
| 12 794.81                                  | 1 000                          | V             | 43.00                     | 11.79                 | -47.01              | 38.62                     | 3.40           | 46.40                      | 68.20                     | 21.80          |
| 28 056.75                                  | 1 000                          | H             | 41.90                     | 15.20                 | -47.40              | 45.80                     | 13.60          | 55.50                      | 68.20                     | 12.70          |
| 38 487.50                                  | 1 000                          | V             | 43.80                     | 18.60                 | -49.50              | 44.30                     | 13.40          | 57.20                      | 68.20                     | 11.00          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                           |                       |                     |                           |                |                            |                           |                |
| 1 716.38                                   | 1 000                          | H             | 41.50                     | 2.38                  | -47.67              | 30.09                     | -15.20         | 26.30                      | 54.00                     | 27.70          |
| 1 952.19                                   | 1 000                          | V             | 40.80                     | 4.51                  | -47.36              | 30.55                     | -12.30         | 28.50                      | 54.00                     | 25.50          |
| <b>Above<br/>2 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                         | -                     | -                   | -                         | -              | -                          | -                         | -              |

### 802.11a\_Highest Channel (5 240 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB( $\mu$ V)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB( $\mu$ V/m)] | Limit<br>[dB( $\mu$ V/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------------|-----------------------|---------------------|---------------------------|----------------|----------------------------|---------------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                           |                       |                     |                           |                |                            |                           |                |
| 1 031.63                                   | 1 000                          | H             | 73.70                     | 3.00                  | -48.56              | 28.76                     | -16.80         | 56.90                      | 74.00                     | 17.10          |
| 5 422.00                                   | 1 000                          | H             | 54.30                     | 7.32                  | -46.38              | 34.96                     | -4.10          | 50.20                      | 74.00                     | 23.80          |
| 6 985.88                                   | 1 000                          | H             | 48.10                     | 8.76                  | -46.07              | 35.91                     | -1.40          | 46.70                      | 68.20                     | 21.50          |
| 17 226.62                                  | 1 000                          | V             | 39.10                     | 13.44                 | -43.86              | 40.92                     | 10.50          | 49.60                      | 68.20                     | 18.60          |
| 27 116.25                                  | 1 000                          | H             | 42.10                     | 15.10                 | -47.70              | 45.40                     | 12.80          | 54.90                      | 68.20                     | 13.30          |
| 38 619.50                                  | 1 000                          | V             | 42.70                     | 18.60                 | -49.60              | 44.30                     | 13.30          | 56.00                      | 68.20                     | 12.20          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                           |                       |                     |                           |                |                            |                           |                |
| 1 031.63                                   | 1 000                          | H             | 50.30                     | 3.00                  | -48.56              | 28.76                     | -16.80         | 33.50                      | 54.00                     | 20.50          |
| 5 422.00                                   | 1 000                          | H             | 43.10                     | 7.32                  | -46.38              | 34.96                     | -4.10          | 39.00                      | 54.00                     | 15.00          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                         | -                     | -                   | -                         | -              | -                          | -                         | -              |

### 802.11n HT20\_Lowest Channel (5 180 Mhz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 349.94                                   | 1 000                          | H             | 54.70               | 2.07                  | -48.15              | 29.38                     | -16.70         | 38.00                | 74.00               | 36.00          |
| 3 938.38                                   | 1 000                          | H             | 49.00               | 6.42                  | -46.34              | 33.22                     | -6.70          | 42.30                | 74.00               | 31.70          |
| 5 129.13                                   | 1 000                          | H             | 52.50               | 7.34                  | -46.30              | 34.96                     | -4.00          | 48.50                | 74.00               | 25.50          |
| 6 906.81                                   | 1 000                          | H             | 53.90               | 8.79                  | -46.02              | 35.83                     | -1.40          | 52.50                | 68.20               | 15.70          |
| 15 100.56                                  | 1 000                          | H             | 44.40               | 12.88                 | -46.45              | 39.77                     | 6.20           | 50.60                | 68.20               | 17.60          |
| 25 906.25                                  | 1 000                          | H             | 41.70               | 14.40                 | -47.00              | 46.30                     | 13.70          | 55.40                | 68.20               | 12.80          |
| 37 074.00                                  | 1 000                          | V             | 45.60               | 17.60                 | -48.50              | 46.00                     | 15.10          | 60.70                | 68.20               | 7.50           |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 349.94                                   | 1 000                          | H             | 42.30               | 2.07                  | -48.15              | 29.38                     | -16.70         | 25.60                | 54.00               | 28.40          |
| 3 938.38                                   | 1 000                          | H             | 37.70               | 6.42                  | -46.34              | 33.22                     | -6.70          | 31.00                | 54.00               | 23.00          |
| 5 129.13                                   | 1 000                          | H             | 42.80               | 7.34                  | -46.30              | 34.96                     | -4.00          | 38.80                | 54.00               | 15.20          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11n HT20\_Middle Channel (5 200 Mhz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 731.50                                   | 1 000                          | V             | 76.70               | 2.53                  | -47.65              | 30.12                     | -15.00         | 61.70                | 74.00               | 12.30          |
| 2 462.31                                   | 1 000                          | H             | 67.90               | 6.09                  | -47.12              | 31.33                     | -9.70          | 58.20                | 74.00               | 15.80          |
| 6 932.69                                   | 1 000                          | H             | 51.50               | 8.78                  | -46.04              | 35.86                     | -1.40          | 50.10                | 68.20               | 18.10          |
| 15 162.37                                  | 1 000                          | V             | 45.10               | 12.90                 | -46.53              | 39.83                     | 6.20           | 51.30                | 68.20               | 16.90          |
| 27 856.00                                  | 1 000                          | H             | 43.30               | 15.20                 | -47.50              | 45.70                     | 13.40          | 56.70                | 68.20               | 11.50          |
| 37 981.50                                  | 1 000                          | V             | 43.10               | 18.80                 | -49.40              | 44.40                     | 13.80          | 56.90                | 68.20               | 11.30          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 731.50                                   | 1 000                          | V             | 41.60               | 2.53                  | -47.65              | 30.12                     | -15.00         | 26.60                | 54.00               | 27.40          |
| 2 462.31                                   | 1 000                          | H             | 40.30               | 6.09                  | -47.12              | 31.33                     | -9.70          | 30.60                | 54.00               | 23.40          |
| <b>Above<br/>3 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11n HT20\_Highest Channel (5 240 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 035.06                                   | 1 000                          | H             | 70.90               | 2.98                  | -48.55              | 28.77                     | -16.80         | 54.10                | 74.00               | 19.90          |
| 2 474.00                                   | 1 000                          | H             | 62.10               | 6.06                  | -47.11              | 31.35                     | -9.70          | 52.40                | 74.00               | 21.60          |
| 5 370.44                                   | 1 000                          | H             | 56.20               | 7.34                  | -46.40              | 34.96                     | -4.10          | 52.10                | 74.00               | 21.90          |
| 6 906.81                                   | 1 000                          | H             | 54.10               | 8.79                  | -46.02              | 35.83                     | -1.40          | 52.70                | 68.20               | 15.50          |
| 15 260.12                                  | 1 000                          | V             | 42.10               | 12.93                 | -46.56              | 39.93                     | 6.30           | 48.40                | 68.20               | 19.80          |
| 27 823.00                                  | 1 000                          | H             | 42.00               | 15.20                 | -47.50              | 45.70                     | 13.40          | 55.40                | 68.20               | 12.80          |
| 38 688.25                                  | 1 000                          | V             | 42.90               | 18.50                 | -49.60              | 44.30                     | 13.20          | 56.10                | 68.20               | 12.10          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 035.06                                   | 1 000                          | H             | 50.10               | 2.98                  | -48.55              | 28.77                     | -16.80         | 33.30                | 54.00               | 20.70          |
| 2 474.00                                   | 1 000                          | H             | 41.10               | 6.06                  | -47.11              | 31.35                     | -9.70          | 31.40                | 54.00               | 22.60          |
| 5 370.44                                   | 1 000                          | H             | 42.60               | 7.34                  | -46.40              | 34.96                     | -4.10          | 38.50                | 54.00               | 15.50          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT20\_Lowest Channel (5 180 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 733.56                                   | 1 000                          | H             | 77.50               | 2.53                  | -47.65              | 30.12                     | -15.00         | 62.50                | 74.00               | 11.50          |
| 2 436.19                                   | 1 000                          | H             | 66.80               | 6.14                  | -47.13              | 31.29                     | -9.70          | 57.10                | 74.00               | 16.90          |
| 5 149.75                                   | 1 000                          | H             | 57.10               | 7.24                  | -46.30              | 34.96                     | -4.10          | 53.00                | 74.00               | 21.00          |
| 6 905.38                                   | 1 000                          | H             | 52.60               | 8.79                  | -46.02              | 35.83                     | -1.40          | 51.20                | 68.20               | 17.00          |
| 17 394.81                                  | 1 000                          | V             | 41.20               | 13.48                 | -43.79              | 40.91                     | 10.60          | 51.80                | 68.20               | 16.40          |
| 28 023.75                                  | 1 000                          | H             | 41.90               | 15.20                 | -47.50              | 45.80                     | 13.50          | 55.40                | 68.20               | 12.80          |
| 38 721.25                                  | 1 000                          | V             | 43.80               | 18.50                 | -49.60              | 44.30                     | 13.20          | 57.00                | 68.20               | 11.20          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 733.56                                   | 1 000                          | H             | 41.10               | 2.53                  | -47.65              | 30.12                     | -15.00         | 26.10                | 54.00               | 27.90          |
| 2 436.19                                   | 1 000                          | H             | 40.50               | 6.14                  | -47.13              | 31.29                     | -9.70          | 30.80                | 54.00               | 23.20          |
| 5 149.75                                   | 1 000                          | H             | 42.10               | 7.24                  | -46.30              | 34.96                     | -4.10          | 38.00                | 54.00               | 16.00          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT20\_Middle Channel (5 200 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 349.94                                   | 1 000                          | H             | 54.10               | 2.07                  | -48.15              | 29.38                     | -16.70         | 37.40                | 74.00               | 36.60          |
| 3 935.63                                   | 1 000                          | H             | 50.20               | 6.42                  | -46.34              | 33.22                     | -6.70          | 43.50                | 74.00               | 30.50          |
| 6 932.69                                   | 1 000                          | H             | 51.30               | 8.78                  | -46.04              | 35.86                     | -1.40          | 49.90                | 68.20               | 18.30          |
| 17 665.06                                  | 1 000                          | H             | 41.80               | 13.55                 | -43.46              | 40.91                     | 11.00          | 52.80                | 68.20               | 15.40          |
| 28 158.50                                  | 1 000                          | H             | 40.60               | 15.30                 | -47.50              | 45.80                     | 13.60          | 54.20                | 68.20               | 14.00          |
| 38 116.25                                  | 1 000                          | V             | 44.40               | 18.80                 | -49.40              | 44.40                     | 13.80          | 58.20                | 68.20               | 10.00          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 349.94                                   | 1 000                          | H             | 42.70               | 2.07                  | -48.15              | 29.38                     | -16.70         | 26.00                | 54.00               | 28.00          |
| 3 935.63                                   | 1 000                          | H             | 38.00               | 6.42                  | -46.34              | 33.22                     | -6.70          | 31.30                | 54.00               | 22.70          |
| <b>Above<br/>4 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT20\_Highest Channel (5 240 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 034.38                                   | 1 000                          | H             | 70.70               | 2.99                  | -48.56              | 28.77                     | -16.80         | 53.90                | 74.00               | 20.10          |
| 1 733.56                                   | 1 000                          | H             | 67.80               | 2.53                  | -47.65              | 30.12                     | -15.00         | 52.80                | 74.00               | 21.20          |
| 2 421.06                                   | 1 000                          | H             | 66.30               | 6.03                  | -47.10              | 31.27                     | -9.80          | 56.50                | 74.00               | 17.50          |
| 5 430.94                                   | 1 000                          | H             | 55.40               | 7.33                  | -46.39              | 34.96                     | -4.10          | 51.30                | 74.00               | 22.70          |
| 6 985.88                                   | 1 000                          | H             | 48.80               | 8.76                  | -46.07              | 35.91                     | -1.40          | 47.40                | 68.20               | 20.80          |
| 17 143.25                                  | 1 000                          | V             | 41.20               | 13.42                 | -43.94              | 40.92                     | 10.40          | 51.60                | 68.20               | 16.60          |
| 27 352.75                                  | 1 000                          | H             | 42.80               | 15.10                 | -47.70              | 45.50                     | 12.90          | 55.70                | 68.20               | 12.50          |
| 38 083.25                                  | 1 000                          | V             | 44.80               | 18.80                 | -49.40              | 44.40                     | 13.80          | 58.60                | 68.20               | 9.60           |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 034.38                                   | 1 000                          | H             | 50.50               | 2.99                  | -48.56              | 28.77                     | -16.80         | 33.70                | 54.00               | 20.30          |
| 1 733.56                                   | 1 000                          | H             | 41.10               | 2.53                  | -47.65              | 30.12                     | -15.00         | 26.10                | 54.00               | 27.90          |
| 2 421.06                                   | 1 000                          | H             | 40.00               | 6.03                  | -47.10              | 31.27                     | -9.80          | 30.20                | 54.00               | 23.80          |
| 5 430.94                                   | 1 000                          | H             | 44.50               | 7.33                  | -46.39              | 34.96                     | -4.10          | 40.40                | 54.00               | 13.60          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11n HT40\_Lowest Channel (5 190 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 146.31                                   | 1 000                          | H             | 54.60               | 7.27                  | -46.33              | 34.96                     | -4.10          | 50.50                | 74.00               | 23.50          |
| 5 356.00                                   | 1 000                          | H             | 51.40               | 7.31                  | -46.37              | 34.96                     | -4.10          | 47.30                | 74.00               | 26.70          |
| 6 919.75                                   | 1 000                          | H             | 51.30               | 8.79                  | -46.03              | 35.84                     | -1.40          | 49.90                | 68.20               | 18.30          |
| 17 399.12                                  | 1 000                          | V             | 40.80               | 13.48                 | -43.69              | 40.91                     | 10.70          | 51.50                | 68.20               | 16.70          |
| 28 092.50                                  | 1 000                          | H             | 41.50               | 15.20                 | -47.40              | 45.80                     | 13.60          | 55.10                | 68.20               | 13.10          |
| 38 487.50                                  | 1 000                          | H             | 43.50               | 18.60                 | -49.50              | 44.30                     | 13.40          | 56.90                | 68.20               | 11.30          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 146.31                                   | 1 000                          | H             | 45.80               | 7.27                  | -46.33              | 34.96                     | -4.10          | 41.70                | 54.00               | 12.30          |
| 5 356.00                                   | 1 000                          | H             | 42.50               | 7.31                  | -46.37              | 34.96                     | -4.10          | 38.40                | 54.00               | 15.60          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11n HT40\_Highest Channel (5 230 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 024.75                                   | 1 000                          | H             | 60.30               | 3.02                  | -48.57              | 28.75                     | -16.80         | 43.50                | 74.00               | 30.50          |
| 5 118.13                                   | 1 000                          | H             | 50.20               | 7.36                  | -46.32              | 34.96                     | -4.00          | 46.20                | 74.00               | 27.80          |
| 5 378.69                                   | 1 000                          | H             | 51.00               | 7.34                  | -46.40              | 34.96                     | -4.10          | 46.90                | 74.00               | 27.10          |
| 6 972.94                                   | 1 000                          | H             | 47.30               | 8.76                  | -46.05              | 35.89                     | -1.40          | 45.90                | 68.20               | 22.30          |
| 17 147.56                                  | 1 000                          | V             | 41.90               | 13.42                 | -43.94              | 40.92                     | 10.40          | 52.30                | 68.20               | 15.90          |
| 27 385.75                                  | 1 000                          | H             | 42.20               | 15.10                 | -47.70              | 45.50                     | 12.90          | 55.10                | 68.20               | 13.10          |
| 38 487.50                                  | 1 000                          | V             | 43.10               | 18.60                 | -49.50              | 44.30                     | 13.40          | 56.50                | 68.20               | 11.70          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 024.75                                   | 1 000                          | H             | 48.50               | 3.02                  | -48.57              | 28.75                     | -16.80         | 31.70                | 54.00               | 22.30          |
| 5 118.13                                   | 1 000                          | H             | 41.60               | 7.36                  | -46.32              | 34.96                     | -4.00          | 37.60                | 54.00               | 16.40          |
| 5 378.69                                   | 1 000                          | H             | 42.20               | 7.34                  | -46.40              | 34.96                     | -4.10          | 38.10                | 54.00               | 15.90          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT40\_Lowest Channel (5 190 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 149.75                                   | 1 000                          | H             | 60.00               | 7.27                  | -46.33              | 34.96                     | -4.10          | 55.90                | 74.00               | 18.10          |
| 5 391.06                                   | 1 000                          | H             | 55.30               | 7.32                  | -46.38              | 34.96                     | -4.10          | 51.20                | 74.00               | 22.80          |
| 6 919.75                                   | 1 000                          | H             | 50.70               | 8.79                  | -46.03              | 35.84                     | -1.40          | 49.30                | 68.20               | 18.90          |
| 17 383.31                                  | 1 000                          | V             | 41.00               | 13.48                 | -43.79              | 40.91                     | 10.60          | 51.60                | 68.20               | 16.60          |
| 27 619.50                                  | 1 000                          | H             | 41.50               | 15.10                 | -47.50              | 45.60                     | 13.20          | 54.70                | 68.20               | 13.50          |
| 38 924.75                                  | 1 000                          | H             | 43.10               | 18.40                 | -49.70              | 44.30                     | 13.00          | 56.10                | 68.20               | 12.10          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 149.75                                   | 1 000                          | H             | 48.20               | 7.27                  | -46.33              | 34.96                     | -4.10          | 44.10                | 54.00               | 9.90           |
| 5 391.06                                   | 1 000                          | H             | 44.10               | 7.32                  | -46.38              | 34.96                     | -4.10          | 40.00                | 54.00               | 14.00          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT40\_Highest Channel (5 230 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 024.06                                   | 1 000                          | H             | 68.80               | 3.02                  | -48.57              | 28.75                     | -16.80         | 52.00                | 74.00               | 22.00          |
| 5 149.06                                   | 1 000                          | H             | 52.30               | 7.27                  | -46.33              | 34.96                     | -4.10          | 48.20                | 74.00               | 25.80          |
| 5 390.38                                   | 1 000                          | H             | 54.20               | 7.34                  | -46.40              | 34.96                     | -4.10          | 50.10                | 74.00               | 23.90          |
| 6 972.94                                   | 1 000                          | H             | 48.70               | 8.76                  | -46.05              | 35.89                     | -1.40          | 47.30                | 68.20               | 20.90          |
| 17 044.06                                  | 1 000                          | V             | 41.80               | 13.39                 | -44.01              | 40.92                     | 10.30          | 52.10                | 68.20               | 16.10          |
| 27 586.50                                  | 1 000                          | H             | 41.60               | 15.10                 | -47.60              | 45.60                     | 13.10          | 54.70                | 68.20               | 13.50          |
| 38 655.25                                  | 1 000                          | V             | 43.70               | 18.50                 | -49.60              | 44.30                     | 13.20          | 56.90                | 68.20               | 11.30          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 024.06                                   | 1 000                          | H             | 57.10               | 3.02                  | -48.57              | 28.75                     | -16.80         | 40.30                | 54.00               | 13.70          |
| 5 149.06                                   | 1 000                          | H             | 43.20               | 7.27                  | -46.33              | 34.96                     | -4.10          | 39.10                | 54.00               | 14.90          |
| 5 390.38                                   | 1 000                          | H             | 44.10               | 7.34                  | -46.40              | 34.96                     | -4.10          | 40.00                | 54.00               | 14.00          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT80\_Lowest Channel (5 210 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 004.13                                   | 1 000                          | H             | 58.80               | 2.88                  | -48.59              | 28.71                     | -17.00         | 41.80                | 74.00               | 32.20          |
| 5 147.00                                   | 1 000                          | H             | 58.90               | 7.27                  | -46.33              | 34.96                     | -4.10          | 54.80                | 74.00               | 19.20          |
| 5 401.38                                   | 1 000                          | H             | 54.60               | 7.34                  | -46.40              | 34.96                     | -4.10          | 50.50                | 74.00               | 23.50          |
| 7 494.75                                   | 1 000                          | H             | 48.00               | 9.00                  | -45.92              | 35.82                     | -1.10          | 46.90                | 68.20               | 21.30          |
| 17 519.87                                  | 1 000                          | H             | 41.40               | 13.52                 | -43.63              | 40.91                     | 10.80          | 52.20                | 68.20               | 16.00          |
| 27 619.50                                  | 1 000                          | H             | 42.10               | 15.10                 | -47.50              | 45.60                     | 13.20          | 55.30                | 68.20               | 12.90          |
| 38 990.75                                  | 1 000                          | V             | 44.20               | 18.40                 | -49.70              | 44.30                     | 13.00          | 57.20                | 68.20               | 11.00          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 004.13                                   | 1 000                          | H             | 49.50               | 2.88                  | -48.59              | 28.71                     | -17.00         | 32.50                | 54.00               | 21.50          |
| 5 147.00                                   | 1 000                          | H             | 48.90               | 7.27                  | -46.33              | 34.96                     | -4.10          | 44.80                | 54.00               | 9.20           |
| 5 401.38                                   | 1 000                          | H             | 45.20               | 7.34                  | -46.40              | 34.96                     | -4.10          | 41.10                | 54.00               | 12.90          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

- ANT 2

### 802.11a\_Lowest Channel (5 180 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 375.38                                   | 1 000                          | H             | 55.10               | 1.98                  | -48.11              | 29.43                     | -16.70         | 38.40                | 74.00               | 35.60          |
| 5 149.06                                   | 1 000                          | H             | 62.00               | 7.27                  | -46.33              | 34.96                     | -4.10          | 57.90                | 74.00               | 16.10          |
| 5 280.38                                   | 1 000                          | H             | 62.00               | 7.44                  | -46.40              | 34.96                     | -4.00          | 58.00                | 74.00               | 16.00          |
| 6 906.81                                   | 1 000                          | H             | 61.50               | 8.79                  | -46.02              | 35.83                     | -1.40          | 60.10                | 68.20               | 8.10           |
| 13 980.75                                  | 1 000                          | H             | 45.30               | 12.06                 | -43.54              | 39.28                     | 7.80           | 53.10                | 68.20               | 15.10          |
| 27 050.25                                  | 1 000                          | H             | 41.80               | 15.00                 | -47.70              | 45.40                     | 12.70          | 54.50                | 68.20               | 13.70          |
| 39 056.75                                  | 1 000                          | V             | 43.10               | 18.40                 | -49.80              | 44.40                     | 13.00          | 56.10                | 68.20               | 12.10          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 375.38                                   | 1 000                          | H             | 45.50               | 1.98                  | -48.11              | 29.43                     | -16.70         | 28.80                | 54.00               | 25.20          |
| 5 149.06                                   | 1 000                          | H             | 38.50               | 7.27                  | -46.33              | 34.96                     | -4.10          | 34.40                | 54.00               | 19.60          |
| 5 280.38                                   | 1 000                          | H             | 50.10               | 7.44                  | -46.40              | 34.96                     | -4.00          | 46.10                | 54.00               | 7.90           |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

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**802.11a\_Middle Channel (5 200 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 110.56                                   | 1 000                          | H             | 57.00               | 7.36                  | -46.32              | 34.96                     | -4.00          | 53.00                | 74.00               | 21.00          |
| 5 366.31                                   | 1 000                          | H             | 59.40               | 7.31                  | -46.37              | 34.96                     | -4.10          | 55.30                | 74.00               | 18.70          |
| 6 932.69                                   | 1 000                          | H             | 60.80               | 8.78                  | -46.04              | 35.86                     | -1.40          | 59.40                | 68.20               | 8.80           |
| 17 517.00                                  | 1 000                          | H             | 42.50               | 13.51                 | -43.62              | 40.91                     | 10.80          | 53.30                | 68.20               | 14.90          |
| 28 648.00                                  | 1 000                          | H             | 43.70               | 15.50                 | -47.60              | 45.90                     | 13.80          | 57.50                | 68.20               | 10.70          |
| 38 823.00                                  | 1 000                          | V             | 43.10               | 18.50                 | -49.70              | 44.30                     | 13.10          | 56.20                | 68.20               | 12.00          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 110.56                                   | 1 000                          | H             | 44.90               | 7.36                  | -46.32              | 34.96                     | -4.00          | 40.90                | 54.00               | 13.10          |
| 5 366.31                                   | 1 000                          | H             | 46.70               | 7.31                  | -46.37              | 34.96                     | -4.10          | 42.60                | 54.00               | 11.40          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

**802.11a\_Highest Channel (5 240 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 034.38                                   | 1 000                          | H             | 82.60               | 2.99                  | -48.56              | 28.77                     | -16.80         | 65.80                | 74.00               | 8.20           |
| 5 126.38                                   | 1 000                          | H             | 56.60               | 7.34                  | -46.30              | 34.96                     | -4.00          | 52.60                | 74.00               | 21.40          |
| 5 422.69                                   | 1 000                          | H             | 60.60               | 7.32                  | -46.38              | 34.96                     | -4.10          | 56.50                | 74.00               | 17.50          |
| 6 985.88                                   | 1 000                          | H             | 55.00               | 8.76                  | -46.07              | 35.91                     | -1.40          | 53.60                | 68.20               | 14.60          |
| 14 690.87                                  | 1 000                          | H             | 44.70               | 12.60                 | -45.65              | 39.55                     | 6.50           | 51.20                | 68.20               | 17.00          |
| 27 957.75                                  | 1 000                          | H             | 41.20               | 15.20                 | -47.40              | 45.70                     | 13.50          | 54.70                | 68.20               | 13.50          |
| 38 823.00                                  | 1 000                          | V             | 43.80               | 18.50                 | -49.70              | 44.30                     | 13.10          | 56.90                | 68.20               | 11.30          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 034.38                                   | 1 000                          | H             | 50.20               | 2.99                  | -48.56              | 28.77                     | -16.80         | 33.40                | 54.00               | 20.60          |
| 5 126.38                                   | 1 000                          | H             | 45.10               | 7.32                  | -46.38              | 34.96                     | -4.00          | 41.10                | 54.00               | 12.90          |
| 5 422.69                                   | 1 000                          | H             | 42.80               | 7.34                  | -46.30              | 34.96                     | -4.10          | 38.70                | 54.00               | 15.30          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

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**802.11n HT20\_Lowest Channel (5 180 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 413.50                                   | 1 000                          | V             | 66.20               | 6.07                  | -47.13              | 31.26                     | -9.80          | 56.40                | 74.00               | 17.60          |
| 2 470.56                                   | 1 000                          | V             | 64.30               | 6.06                  | -47.11              | 31.35                     | -9.70          | 54.60                | 74.00               | 19.40          |
| 5 148.38                                   | 1 000                          | H             | 57.80               | 7.24                  | -46.30              | 34.96                     | -4.10          | 53.70                | 74.00               | 20.30          |
| 5 235.00                                   | 1 000                          | H             | 59.00               | 7.29                  | -46.35              | 34.96                     | -4.10          | 54.90                | 74.00               | 19.10          |
| 6 906.81                                   | 1 000                          | H             | 60.10               | 8.79                  | -46.02              | 35.83                     | -1.40          | 58.70                | 68.20               | 9.50           |
| 15 208.37                                  | 1 000                          | H             | 44.70               | 12.92                 | -46.50              | 39.88                     | 6.30           | 51.00                | 68.20               | 17.20          |
| 28 428.00                                  | 1 000                          | H             | 42.50               | 15.40                 | -47.50              | 45.80                     | 13.70          | 56.20                | 68.20               | 12.00          |
| 38 688.25                                  | 1 000                          | V             | 43.30               | 18.50                 | -49.60              | 44.30                     | 13.20          | 56.50                | 68.20               | 11.70          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 413.50                                   | 1 000                          | V             | 40.60               | 6.07                  | -47.13              | 31.26                     | -9.80          | 30.80                | 54.00               | 23.20          |
| 2 470.56                                   | 1 000                          | V             | 40.10               | 6.06                  | -47.11              | 31.35                     | -9.70          | 30.40                | 54.00               | 23.60          |
| 5 148.38                                   | 1 000                          | H             | 46.50               | 7.24                  | -46.30              | 34.96                     | -4.10          | 42.40                | 54.00               | 11.60          |
| 5 235.00                                   | 1 000                          | H             | 48.30               | 7.29                  | -46.35              | 34.96                     | -4.10          | 44.20                | 54.00               | 9.80           |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

**802.11n HT20\_Middle Channel (5 200 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 411.44                                   | 1 000                          | H             | 69.00               | 6.08                  | -47.14              | 31.26                     | -9.80          | 59.20                | 74.00               | 14.80          |
| 3 944.56                                   | 1 000                          | H             | 49.30               | 6.40                  | -46.33              | 33.23                     | -6.70          | 42.60                | 74.00               | 31.40          |
| 5 274.19                                   | 1 000                          | H             | 58.60               | 7.44                  | -46.40              | 34.96                     | -4.00          | 54.60                | 74.00               | 19.40          |
| 6 932.69                                   | 1 000                          | H             | 59.30               | 8.78                  | -46.04              | 35.86                     | -1.40          | 57.90                | 68.20               | 10.30          |
| 17 521.31                                  | 1 000                          | H             | 42.90               | 13.52                 | -43.63              | 40.91                     | 10.80          | 53.70                | 68.20               | 14.50          |
| 27 487.50                                  | 1 000                          | H             | 42.00               | 15.10                 | -47.60              | 45.50                     | 13.00          | 55.00                | 68.20               | 13.20          |
| 38 619.50                                  | 1 000                          | V             | 43.00               | 18.60                 | -49.60              | 44.30                     | 13.30          | 56.30                | 68.20               | 11.90          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 411.44                                   | 1 000                          | H             | 40.90               | 6.08                  | -47.14              | 31.26                     | -9.80          | 31.10                | 54.00               | 22.90          |
| 3 944.56                                   | 1 000                          | H             | 38.30               | 6.40                  | -46.33              | 33.23                     | -6.70          | 31.60                | 54.00               | 22.40          |
| 5 274.19                                   | 1 000                          | H             | 44.30               | 7.44                  | -46.40              | 34.96                     | -4.00          | 40.30                | 54.00               | 13.70          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11n HT20\_Highest Channel (5 240 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 034.38                                   | 1 000                          | H             | 79.60               | 2.99                  | -48.56              | 28.77                     | -16.80         | 62.80                | 74.00               | 11.20          |
| 5 371.81                                   | 1 000                          | H             | 57.70               | 7.31                  | -46.37              | 34.96                     | -4.10          | 53.60                | 74.00               | 20.40          |
| 6 906.81                                   | 1 000                          | H             | 60.20               | 8.79                  | -46.02              | 35.83                     | -1.40          | 58.80                | 68.20               | 9.40           |
| 16 766.62                                  | 1 000                          | V             | 43.90               | 13.34                 | -44.50              | 40.86                     | 9.70           | 53.60                | 68.20               | 14.60          |
| 28 293.25                                  | 1 000                          | H             | 43.20               | 15.30                 | -47.40              | 45.80                     | 13.70          | 56.90                | 68.20               | 11.30          |
| 38 182.25                                  | 1 000                          | V             | 44.10               | 18.80                 | -49.40              | 44.40                     | 13.80          | 57.90                | 68.20               | 10.30          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 034.38                                   | 1 000                          | H             | 50.70               | 2.99                  | -48.56              | 28.77                     | -16.80         | 33.90                | 54.00               | 20.10          |
| 5 371.81                                   | 1 000                          | H             | 47.50               | 7.31                  | -46.37              | 34.96                     | -4.10          | 43.40                | 54.00               | 10.60          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT20\_Lowest Channel (5 180 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 419.00                                   | 1 000                          | H             | 70.30               | 6.06                  | -47.13              | 31.27                     | -9.80          | 60.50                | 74.00               | 13.50          |
| 5 145.63                                   | 1 000                          | H             | 59.20               | 7.27                  | -46.33              | 34.96                     | -4.10          | 55.10                | 74.00               | 18.90          |
| 5 287.25                                   | 1 000                          | H             | 58.80               | 7.44                  | -46.40              | 34.96                     | -4.00          | 54.80                | 74.00               | 19.20          |
| 6 906.81                                   | 1 000                          | H             | 56.40               | 8.79                  | -46.02              | 35.83                     | -1.40          | 55.00                | 68.20               | 13.20          |
| 17 754.19                                  | 1 000                          | V             | 42.10               | 13.58                 | -43.28              | 40.90                     | 11.20          | 53.30                | 68.20               | 14.90          |
| 27 619.50                                  | 1 000                          | H             | 41.70               | 15.10                 | -47.50              | 45.60                     | 13.20          | 54.90                | 68.20               | 13.30          |
| 38 754.25                                  | 1 000                          | V             | 43.30               | 18.50                 | -49.70              | 44.30                     | 13.10          | 56.40                | 68.20               | 11.80          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 419.00                                   | 1 000                          | H             | 40.90               | 6.06                  | -47.13              | 31.27                     | -9.80          | 31.10                | 54.00               | 22.90          |
| 5 145.63                                   | 1 000                          | H             | 48.10               | 7.27                  | -46.33              | 34.96                     | -4.10          | 44.00                | 54.00               | 10.00          |
| 5 287.25                                   | 1 000                          | H             | 45.70               | 7.44                  | -46.40              | 34.96                     | -4.00          | 41.70                | 54.00               | 12.30          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

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**802.11ac VHT20\_Middle Channel (5 200 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB( $\mu$ V)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB( $\mu$ V/m)] | Limit<br>[dB( $\mu$ V/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------------|-----------------------|---------------------|---------------------------|----------------|----------------------------|---------------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                           |                       |                     |                           |                |                            |                           |                |
| 1 349.94                                   | 1 000                          | H             | 54.60                     | 2.07                  | -48.15              | 29.38                     | -16.70         | 37.90                      | 74.00                     | 36.10          |
| 3 744.50                                   | 1 000                          | H             | 49.30                     | 6.25                  | -46.45              | 33.00                     | -7.20          | 42.10                      | 74.00                     | 31.90          |
| 5 375.94                                   | 1 000                          | H             | 58.30                     | 7.34                  | -46.40              | 34.96                     | -4.10          | 54.20                      | 74.00                     | 19.80          |
| 6 932.69                                   | 1 000                          | H             | 55.00                     | 8.78                  | -46.04              | 35.86                     | -1.40          | 53.60                      | 68.20                     | 14.60          |
| 17 528.50                                  | 1 000                          | H             | 41.70                     | 13.52                 | -43.63              | 40.91                     | 10.80          | 52.50                      | 68.20                     | 15.70          |
| 27 889.00                                  | 1 000                          | H             | 42.00                     | 15.20                 | -47.50              | 45.70                     | 13.40          | 55.40                      | 68.20                     | 12.80          |
| 38 520.50                                  | 1 000                          | V             | 43.40                     | 18.60                 | -49.50              | 44.30                     | 13.40          | 56.80                      | 68.20                     | 11.40          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                           |                       |                     |                           |                |                            |                           |                |
| 1 349.94                                   | 1 000                          | H             | 47.30                     | 2.07                  | -48.15              | 29.38                     | -16.70         | 30.60                      | 54.00                     | 23.40          |
| 3 744.50                                   | 1 000                          | H             | 38.40                     | 6.25                  | -46.45              | 33.00                     | -7.20          | 31.20                      | 54.00                     | 22.80          |
| 5 375.94                                   | 1 000                          | H             | 46.90                     | 7.34                  | -46.40              | 34.96                     | -4.10          | 42.80                      | 54.00                     | 11.20          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                         | -                     | -                   | -                         | -              | -                          | -                         | -              |

**802.11ac VHT20\_Highest Channel (5 240 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB( $\mu$ V)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB( $\mu$ V/m)] | Limit<br>[dB( $\mu$ V/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------------|-----------------------|---------------------|---------------------------|----------------|----------------------------|---------------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                           |                       |                     |                           |                |                            |                           |                |
| 1 039.19                                   | 1 000                          | H             | 79.30                     | 3.07                  | -48.55              | 28.78                     | -16.70         | 62.60                      | 74.00                     | 11.40          |
| 5 401.38                                   | 1 000                          | H             | 57.80                     | 7.32                  | -46.38              | 34.96                     | -4.10          | 53.70                      | 74.00                     | 20.30          |
| 6 985.88                                   | 1 000                          | H             | 51.20                     | 8.76                  | -46.07              | 35.91                     | -1.40          | 49.80                      | 68.20                     | 18.40          |
| 17 416.37                                  | 1 000                          | V             | 41.70                     | 13.49                 | -43.70              | 40.91                     | 10.70          | 52.40                      | 68.20                     | 15.80          |
| 28 023.75                                  | 1 000                          | H             | 42.30                     | 15.20                 | -47.50              | 45.80                     | 13.50          | 55.80                      | 68.20                     | 12.40          |
| 38 352.75                                  | 1 000                          | V             | 42.90                     | 18.70                 | -49.50              | 44.40                     | 13.60          | 56.50                      | 68.20                     | 11.70          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                           |                       |                     |                           |                |                            |                           |                |
| 1 039.19                                   | 1 000                          | H             | 44.80                     | 3.07                  | -48.55              | 28.78                     | -16.70         | 28.10                      | 54.00                     | 25.90          |
| 5 401.38                                   | 1 000                          | H             | 47.90                     | 7.32                  | -46.38              | 34.96                     | -4.10          | 43.80                      | 54.00                     | 10.20          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                         | -                     | -                   | -                         | -              | -                          | -                         | -              |

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KCTL-TIR001-003/0

### 802.11n HT40\_Lowest Channel (5 190 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 149.75                                   | 1 000                          | H             | 59.40               | 7.27                  | -46.33              | 34.96                     | -4.10          | 55.30                | 74.00               | 18.70          |
| 5 393.13                                   | 1 000                          | H             | 54.80               | 7.32                  | -46.38              | 34.96                     | -4.10          | 50.70                | 74.00               | 23.30          |
| 6 919.75                                   | 1 000                          | H             | 55.70               | 8.79                  | -46.03              | 35.84                     | -1.40          | 54.30                | 68.20               | 13.90          |
| 17 294.19                                  | 1 000                          | V             | 41.50               | 13.46                 | -43.87              | 40.91                     | 10.50          | 52.00                | 68.20               | 16.20          |
| 27 823.00                                  | 1 000                          | H             | 41.10               | 15.20                 | -47.50              | 45.70                     | 13.40          | 54.50                | 68.20               | 13.70          |
| 39 158.50                                  | 1 000                          | V             | 44.90               | 18.50                 | -49.90              | 44.50                     | 13.10          | 58.00                | 68.20               | 10.20          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 149.75                                   | 1 000                          | H             | 49.10               | 7.27                  | -46.33              | 34.96                     | -4.10          | 45.00                | 54.00               | 9.00           |
| 5 393.13                                   | 1 000                          | H             | 45.00               | 7.32                  | -46.38              | 34.96                     | -4.10          | 40.90                | 54.00               | 13.10          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11n HT40\_Highest Channel (5 230 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 024.75                                   | 1 000                          | H             | 68.30               | 3.02                  | -48.57              | 28.75                     | -16.80         | 51.50                | 74.00               | 22.50          |
| 5 138.06                                   | 1 000                          | H             | 52.70               | 7.27                  | -46.33              | 34.96                     | -4.10          | 48.60                | 74.00               | 25.40          |
| 5 373.19                                   | 1 000                          | H             | 55.90               | 7.34                  | -46.40              | 34.96                     | -4.10          | 51.80                | 74.00               | 22.20          |
| 6 972.94                                   | 1 000                          | H             | 51.70               | 8.76                  | -46.05              | 35.89                     | -1.40          | 50.30                | 68.20               | 17.90          |
| 17 197.87                                  | 1 000                          | V             | 41.70               | 13.43                 | -43.95              | 40.92                     | 10.40          | 52.10                | 68.20               | 16.10          |
| 28 428.00                                  | 1 000                          | H             | 41.80               | 15.40                 | -47.50              | 45.80                     | 13.70          | 55.50                | 68.20               | 12.70          |
| 39 023.75                                  | 1 000                          | V             | 43.60               | 18.40                 | -49.70              | 44.30                     | 13.00          | 56.60                | 68.20               | 11.60          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 024.75                                   | 1 000                          | H             | 57.50               | 3.02                  | -48.57              | 28.75                     | -16.80         | 40.70                | 54.00               | 13.30          |
| 5 138.06                                   | 1 000                          | H             | 43.20               | 7.27                  | -46.33              | 34.96                     | -4.10          | 39.10                | 54.00               | 14.90          |
| 5 373.19                                   | 1 000                          | H             | 46.20               | 7.34                  | -46.40              | 34.96                     | -4.10          | 42.10                | 54.00               | 11.90          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT40\_Lowest Channel (5 190 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 149.75                                   | 1 000                          | H             | 54.30               | 7.27                  | -46.33              | 34.96                     | -4.10          | 50.20                | 74.00               | 23.80          |
| 5 396.56                                   | 1 000                          | H             | 54.70               | 7.32                  | -46.38              | 34.96                     | -4.10          | 50.60                | 74.00               | 23.40          |
| 6 919.75                                   | 1 000                          | H             | 54.90               | 8.79                  | -46.03              | 35.84                     | -1.40          | 53.50                | 68.20               | 14.70          |
| 17 518.44                                  | 1 000                          | H             | 41.30               | 13.51                 | -43.62              | 40.91                     | 10.80          | 52.10                | 68.20               | 16.10          |
| 27 451.75                                  | 1 000                          | H             | 43.50               | 15.10                 | -47.60              | 45.50                     | 13.00          | 56.50                | 68.20               | 11.70          |
| 38 619.50                                  | 1 000                          | H             | 42.40               | 18.60                 | -49.60              | 44.30                     | 13.30          | 55.70                | 68.20               | 12.50          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 149.75                                   | 1 000                          | H             | 43.60               | 7.27                  | -46.33              | 34.96                     | -4.10          | 39.50                | 54.00               | 14.50          |
| 5 396.56                                   | 1 000                          | H             | 42.40               | 7.32                  | -46.38              | 34.96                     | -4.10          | 38.30                | 54.00               | 15.70          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT40\_Highest Channel (5 230 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 019.25                                   | 1 000                          | H             | 62.70               | 2.93                  | -48.57              | 28.74                     | -16.90         | 45.80                | 74.00               | 28.20          |
| 5 107.81                                   | 1 000                          | H             | 50.60               | 7.36                  | -46.32              | 34.96                     | -4.00          | 46.60                | 74.00               | 27.40          |
| 5 417.19                                   | 1 000                          | H             | 53.60               | 7.34                  | -46.40              | 34.96                     | -4.10          | 49.50                | 74.00               | 24.50          |
| 6 972.94                                   | 1 000                          | H             | 51.20               | 8.76                  | -46.05              | 35.89                     | -1.40          | 49.80                | 68.20               | 18.40          |
| 17 501.19                                  | 1 000                          | V             | 41.40               | 13.51                 | -43.62              | 40.91                     | 10.80          | 52.20                | 68.20               | 16.00          |
| 27 385.75                                  | 1 000                          | H             | 44.30               | 15.10                 | -47.70              | 45.50                     | 12.90          | 57.20                | 68.20               | 11.00          |
| 37 948.50                                  | 1 000                          | V             | 42.80               | 18.80                 | -49.50              | 44.50                     | 13.80          | 56.60                | 68.20               | 11.60          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 019.25                                   | 1 000                          | H             | 53.10               | 2.93                  | -48.57              | 28.74                     | -16.90         | 36.20                | 54.00               | 17.80          |
| 5 107.81                                   | 1 000                          | H             | 41.50               | 7.36                  | -46.32              | 34.96                     | -4.00          | 37.50                | 54.00               | 16.50          |
| 5 417.19                                   | 1 000                          | H             | 44.50               | 7.34                  | -46.40              | 34.96                     | -4.10          | 40.40                | 54.00               | 13.60          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT80\_Lowest Channel (5 210 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 147.00                                   | 1 000                          | H             | 56.80               | 7.27                  | -46.33              | 34.96                     | -4.10          | 52.70                | 74.00               | 21.30          |
| 5 402.06                                   | 1 000                          | H             | 53.90               | 7.32                  | -46.38              | 34.96                     | -4.10          | 49.80                | 74.00               | 24.20          |
| 6 945.63                                   | 1 000                          | H             | 54.40               | 8.78                  | -46.05              | 35.87                     | -1.40          | 53.00                | 68.20               | 15.20          |
| 17 521.31                                  | 1 000                          | V             | 41.20               | 13.52                 | -43.63              | 40.91                     | 10.80          | 52.00                | 68.20               | 16.20          |
| 27 116.25                                  | 1 000                          | H             | 43.90               | 15.10                 | -47.70              | 45.40                     | 12.80          | 56.70                | 68.20               | 11.50          |
| 38 385.75                                  | 1 000                          | V             | 43.10               | 18.70                 | -49.40              | 44.30                     | 13.60          | 56.70                | 68.20               | 11.50          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 147.00                                   | 1 000                          | H             | 47.50               | 7.27                  | -46.33              | 34.96                     | -4.10          | 43.40                | 54.00               | 10.60          |
| 5 402.06                                   | 1 000                          | H             | 44.20               | 7.32                  | -46.38              | 34.96                     | -4.10          | 40.10                | 54.00               | 13.90          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

- ANT 3

### 802.11a\_Lowest Channel (5 180 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 732.19                                   | 1 000                          | V             | 80.80               | 2.53                  | -47.65              | 30.12                     | -15.00         | 65.80                | 74.00               | 8.20           |
| 5 149.75                                   | 1 000                          | H             | 60.70               | 7.27                  | -46.33              | 34.96                     | -4.10          | 56.60                | 74.00               | 17.40          |
| 6 906.81                                   | 1 000                          | H             | 54.60               | 8.79                  | -46.02              | 35.83                     | -1.40          | 53.20                | 68.20               | 15.00          |
| 10 356.81                                  | 1 000                          | H             | 46.90               | 10.32                 | -44.34              | 37.62                     | 3.60           | 50.50                | 68.20               | 17.70          |
| 25 535.00                                  | 1 000                          | H             | 43.10               | 14.50                 | -47.10              | 46.00                     | 13.40          | 56.50                | 68.20               | 11.70          |
| 38 116.25                                  | 1 000                          | V             | 44.40               | 18.80                 | -49.40              | 44.40                     | 13.80          | 58.20                | 68.20               | 10.00          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 200.06                                   | 1 000                          | H             | 41.20               | 2.53                  | -47.65              | 30.12                     | -15.00         | 26.20                | 54.00               | 27.80          |
| 5 147.69                                   | 1 000                          | H             | 48.10               | 7.27                  | -46.33              | 34.96                     | -4.10          | 44.00                | 54.00               | 10.00          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11a\_Middle Channel (5 200 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 348.56                                   | 1 000                          | H             | 55.00               | 2.07                  | -48.15              | 29.38                     | -16.70         | 38.30                | 74.00               | 35.70          |
| 3 910.19                                   | 1 000                          | V             | 49.20               | 6.36                  | -46.35              | 33.19                     | -6.80          | 42.40                | 74.00               | 31.60          |
| 6 932.69                                   | 1 000                          | H             | 52.60               | 8.78                  | -46.04              | 35.86                     | -1.40          | 51.20                | 68.20               | 17.00          |
| 14 932.37                                  | 1 000                          | V             | 44.80               | 12.79                 | -46.23              | 39.64                     | 6.20           | 51.00                | 68.20               | 17.20          |
| 27 957.75                                  | 1 000                          | H             | 41.30               | 15.20                 | -47.40              | 45.70                     | 13.50          | 54.80                | 68.20               | 13.40          |
| 39 227.25                                  | 1 000                          | V             | 43.30               | 18.50                 | -49.90              | 44.70                     | 13.30          | 56.60                | 68.20               | 11.60          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 348.56                                   | 1 000                          | H             | 42.30               | 2.07                  | -48.15              | 29.38                     | -16.70         | 25.60                | 54.00               | 28.40          |
| 3 910.19                                   | 1 000                          | V             | 37.80               | 6.36                  | -46.35              | 33.19                     | -6.80          | 31.00                | 54.00               | 23.00          |
| <b>Above<br/>4 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11a\_Highest Channel (5 240 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 035.75                                   | 1 000                          | H             | 80.80               | 2.98                  | -48.55              | 28.77                     | -16.80         | 64.00                | 74.00               | 10.00          |
| 1 733.56                                   | 1 000                          | V             | 80.60               | 2.53                  | -47.65              | 30.12                     | -15.00         | 65.60                | 74.00               | 8.40           |
| 2 418.31                                   | 1 000                          | V             | 67.90               | 6.03                  | -47.10              | 31.27                     | -9.80          | 58.10                | 74.00               | 15.90          |
| 5 427.50                                   | 1 000                          | H             | 55.30               | 7.33                  | -46.39              | 34.96                     | -4.10          | 51.20                | 74.00               | 22.80          |
| 6 985.88                                   | 1 000                          | H             | 51.10               | 8.76                  | -46.07              | 35.91                     | -1.40          | 49.70                | 68.20               | 18.50          |
| 17 630.56                                  | 1 000                          | H             | 43.30               | 13.54                 | -43.55              | 40.91                     | 10.90          | 54.20                | 68.20               | 14.00          |
| 27 553.50                                  | 1 000                          | H             | 40.90               | 15.10                 | -47.60              | 45.60                     | 13.10          | 54.00                | 68.20               | 14.20          |
| 39 158.50                                  | 1 000                          | V             | 43.20               | 18.50                 | -49.90              | 44.50                     | 13.10          | 56.30                | 68.20               | 11.90          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 035.75                                   | 1 000                          | H             | 42.50               | 2.98                  | -48.55              | 28.77                     | -16.80         | 25.70                | 54.00               | 28.30          |
| 1 733.56                                   | 1 000                          | V             | 40.90               | 2.53                  | -47.65              | 30.12                     | -15.00         | 25.90                | 54.00               | 28.10          |
| 2 418.31                                   | 1 000                          | V             | 40.50               | 6.03                  | -47.10              | 31.27                     | -9.80          | 30.70                | 54.00               | 23.30          |
| 5 427.50                                   | 1 000                          | H             | 45.90               | 7.33                  | -46.39              | 34.96                     | -4.10          | 41.80                | 54.00               | 12.20          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

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**802.11n HT20\_Lowest Channel (5 180 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 952.19                                   | 1 000                          | V             | 75.20               | 4.51                  | -47.36              | 30.55                     | -12.30         | 62.90                | 74.00               | 11.10          |
| 2 420.38                                   | 1 000                          | V             | 66.10               | 6.06                  | -47.13              | 31.27                     | -9.80          | 56.30                | 74.00               | 17.70          |
| 5 147.69                                   | 1 000                          | H             | 57.80               | 7.24                  | -46.30              | 34.96                     | -4.10          | 53.70                | 74.00               | 20.30          |
| 6 906.81                                   | 1 000                          | H             | 54.30               | 8.79                  | -46.02              | 35.83                     | -1.40          | 52.90                | 68.20               | 15.30          |
| 14 146.06                                  | 1 000                          | V             | 44.90               | 12.17                 | -43.82              | 39.35                     | 7.70           | 52.60                | 68.20               | 15.60          |
| 28 395.00                                  | 1 000                          | H             | 42.90               | 15.40                 | -47.50              | 45.80                     | 13.70          | 56.60                | 68.20               | 11.60          |
| 38 553.50                                  | 1 000                          | V             | 43.50               | 18.60                 | -49.50              | 44.30                     | 13.40          | 56.90                | 68.20               | 11.30          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 952.19                                   | 1 000                          | V             | 41.20               | 4.51                  | -47.36              | 30.55                     | -12.30         | 28.90                | 54.00               | 25.10          |
| 2 420.38                                   | 1 000                          | V             | 40.10               | 6.06                  | -47.13              | 31.27                     | -9.80          | 30.30                | 54.00               | 23.70          |
| 5 147.69                                   | 1 000                          | H             | 47.90               | 7.24                  | -46.30              | 34.96                     | -4.10          | 43.80                | 54.00               | 10.20          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

**802.11n HT20\_Middle Channel (5 200 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 733.56                                   | 1 000                          | H             | 75.80               | 2.53                  | -47.65              | 30.12                     | -15.00         | 60.80                | 74.00               | 13.20          |
| 2 434.13                                   | 1 000                          | V             | 68.10               | 6.14                  | -47.13              | 31.29                     | -9.70          | 58.40                | 74.00               | 15.60          |
| 3 994.75                                   | 1 000                          | H             | 49.90               | 6.42                  | -46.30              | 33.28                     | -6.60          | 43.30                | 74.00               | 30.70          |
| 6 932.69                                   | 1 000                          | H             | 52.70               | 8.78                  | -46.04              | 35.86                     | -1.40          | 51.30                | 68.20               | 16.90          |
| 15 156.62                                  | 1 000                          | V             | 45.40               | 12.90                 | -46.53              | 39.83                     | 6.20           | 51.60                | 68.20               | 16.60          |
| 27 251.00                                  | 1 000                          | H             | 43.10               | 15.10                 | -47.70              | 45.40                     | 12.80          | 55.90                | 68.20               | 12.30          |
| 38 754.25                                  | 1 000                          | V             | 43.60               | 18.50                 | -49.70              | 44.30                     | 13.10          | 56.70                | 68.20               | 11.50          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 733.56                                   | 1 000                          | H             | 41.00               | 2.53                  | -47.65              | 30.12                     | -15.00         | 26.00                | 54.00               | 28.00          |
| 2 434.13                                   | 1 000                          | V             | 40.50               | 6.14                  | -47.13              | 31.29                     | -9.70          | 30.80                | 54.00               | 23.20          |
| 3 994.75                                   | 1 000                          | H             | 38.10               | 6.42                  | -46.30              | 33.28                     | -6.60          | 31.50                | 54.00               | 22.50          |
| <b>Above<br/>4 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

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**802.11n HT20\_Highest Channel (5 240 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 031.63                                   | 1 000                          | H             | 78.30               | 3.00                  | -48.56              | 28.76                     | -16.80         | 61.50                | 74.00               | 12.50          |
| 1 730.81                                   | 1 000                          | H             | 75.10               | 2.53                  | -47.65              | 30.12                     | -15.00         | 60.10                | 74.00               | 13.90          |
| 2 447.19                                   | 1 000                          | H             | 72.90               | 6.09                  | -47.10              | 31.31                     | -9.70          | 63.20                | 74.00               | 10.80          |
| 5 397.25                                   | 1 000                          | H             | 55.70               | 7.32                  | -46.38              | 34.96                     | -4.10          | 51.60                | 74.00               | 22.40          |
| 6 985.88                                   | 1 000                          | H             | 50.70               | 8.76                  | -46.07              | 35.91                     | -1.40          | 49.30                | 68.20               | 18.90          |
| 14 036.81                                  | 1 000                          | H             | 45.10               | 12.09                 | -43.49              | 39.30                     | 7.90           | 53.00                | 68.20               | 15.20          |
| 28 326.25                                  | 1 000                          | H             | 42.30               | 15.30                 | -47.40              | 45.80                     | 13.70          | 56.00                | 68.20               | 12.20          |
| 38 856.00                                  | 1 000                          | V             | 42.50               | 18.40                 | -49.60              | 44.30                     | 13.10          | 55.60                | 68.20               | 12.60          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 031.63                                   | 1 000                          | H             | 45.20               | 3.00                  | -48.56              | 28.76                     | -16.80         | 28.40                | 54.00               | 25.60          |
| 1 730.81                                   | 1 000                          | H             | 40.10               | 2.53                  | -47.65              | 30.12                     | -15.00         | 25.10                | 54.00               | 28.90          |
| 2 447.19                                   | 1 000                          | H             | 39.70               | 6.09                  | -47.10              | 31.31                     | -9.70          | 30.00                | 54.00               | 24.00          |
| 5 397.25                                   | 1 000                          | H             | 46.00               | 7.32                  | -46.38              | 34.96                     | -4.10          | 41.90                | 54.00               | 12.10          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

**802.11ac VHT20\_Lowest Channel (5 180 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 473.31                                   | 1 000                          | H             | 65.70               | 6.06                  | -47.11              | 31.35                     | -9.70          | 56.00                | 74.00               | 18.00          |
| 5 148.38                                   | 1 000                          | H             | 57.90               | 7.27                  | -46.33              | 34.96                     | -4.10          | 53.80                | 74.00               | 20.20          |
| 6 905.38                                   | 1 000                          | H             | 52.40               | 8.79                  | -46.02              | 35.83                     | -1.40          | 51.00                | 68.20               | 17.20          |
| 17 302.81                                  | 1 000                          | V             | 41.30               | 13.46                 | -43.77              | 40.91                     | 10.60          | 51.90                | 68.20               | 16.30          |
| 28 293.25                                  | 1 000                          | H             | 42.00               | 15.30                 | -47.40              | 45.80                     | 13.70          | 55.70                | 68.20               | 12.50          |
| 38 823.00                                  | 1 000                          | V             | 43.50               | 18.50                 | -49.70              | 44.30                     | 13.10          | 56.60                | 68.20               | 11.60          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 473.31                                   | 1 000                          | H             | 40.10               | 6.06                  | -47.11              | 31.35                     | -9.70          | 30.40                | 54.00               | 23.60          |
| 5 148.38                                   | 1 000                          | H             | 48.70               | 7.27                  | -46.33              | 34.96                     | -4.10          | 44.60                | 54.00               | 9.40           |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

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**802.11ac VHT20\_Middle Channel (5 200 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 413.50                                   | 1 000                          | H             | 64.60               | 6.07                  | -47.13              | 31.26                     | -9.80          | 54.80                | 74.00               | 19.20          |
| 3 756.88                                   | 1 000                          | H             | 49.20               | 6.24                  | -46.45              | 33.01                     | -7.20          | 42.00                | 74.00               | 32.00          |
| 6 932.69                                   | 1 000                          | H             | 51.20               | 8.78                  | -46.04              | 35.86                     | -1.40          | 49.80                | 68.20               | 18.40          |
| 17 499.75                                  | 1 000                          | V             | 42.40               | 13.51                 | -43.62              | 40.91                     | 10.80          | 53.20                | 68.20               | 15.00          |
| 27 688.25                                  | 1 000                          | H             | 42.10               | 15.10                 | -47.50              | 45.60                     | 13.20          | 55.30                | 68.20               | 12.90          |
| 38 990.75                                  | 1 000                          | V             | 44.30               | 18.40                 | -49.70              | 44.30                     | 13.00          | 57.30                | 68.20               | 10.90          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 413.50                                   | 1 000                          | H             | 39.60               | 6.07                  | -47.13              | 31.26                     | -9.80          | 29.80                | 54.00               | 24.20          |
| 3 756.88                                   | 1 000                          | H             | 37.90               | 6.24                  | -46.45              | 33.01                     | -7.20          | 30.70                | 54.00               | 23.30          |
| <b>Above<br/>4 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

**802.11ac VHT20\_Highest Channel (5 240 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 035.75                                   | 1 000                          | H             | 77.50               | 2.98                  | -48.55              | 28.77                     | -16.80         | 60.70                | 74.00               | 13.30          |
| 2 463.69                                   | 1 000                          | H             | 64.10               | 6.07                  | -47.11              | 31.34                     | -9.70          | 54.40                | 74.00               | 19.60          |
| 5 404.81                                   | 1 000                          | H             | 54.80               | 7.34                  | -46.40              | 34.96                     | -4.10          | 50.70                | 74.00               | 23.30          |
| 6 985.88                                   | 1 000                          | H             | 48.80               | 8.76                  | -46.07              | 35.91                     | -1.40          | 47.40                | 68.20               | 20.80          |
| 17 345.94                                  | 1 000                          | V             | 41.20               | 13.47                 | -43.78              | 40.91                     | 10.60          | 51.80                | 68.20               | 16.40          |
| 28 227.25                                  | 1 000                          | H             | 43.80               | 15.30                 | -47.40              | 45.80                     | 13.70          | 57.50                | 68.20               | 10.70          |
| 38 385.75                                  | 1 000                          | V             | 44.60               | 18.70                 | -49.40              | 44.30                     | 13.60          | 58.20                | 68.20               | 10.00          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 035.75                                   | 1 000                          | H             | 43.60               | 2.98                  | -48.55              | 28.77                     | -16.80         | 26.80                | 54.00               | 27.20          |
| 2 463.69                                   | 1 000                          | H             | 39.10               | 6.07                  | -47.11              | 31.34                     | -9.70          | 29.40                | 54.00               | 24.60          |
| 5 404.81                                   | 1 000                          | H             | 44.50               | 7.34                  | -46.40              | 34.96                     | -4.10          | 40.40                | 54.00               | 13.60          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

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### 802.11n HT40\_Lowest Channel (5 190 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 148.38                                   | 1 000                          | H             | 58.60               | 7.27                  | -46.33              | 34.96                     | -4.10          | 54.50                | 74.00               | 19.50          |
| 5 375.94                                   | 1 000                          | H             | 53.70               | 7.32                  | -46.38              | 34.96                     | -4.10          | 49.60                | 74.00               | 24.40          |
| 6 919.75                                   | 1 000                          | H             | 51.20               | 8.79                  | -46.03              | 35.84                     | -1.40          | 49.80                | 68.20               | 18.40          |
| 17 317.19                                  | 1 000                          | H             | 41.80               | 13.46                 | -43.77              | 40.91                     | 10.60          | 52.40                | 68.20               | 15.80          |
| 28 428.00                                  | 1 000                          | H             | 42.20               | 15.40                 | -47.50              | 45.80                     | 13.70          | 55.90                | 68.20               | 12.30          |
| 38 721.25                                  | 1 000                          | H             | 43.90               | 18.50                 | -49.60              | 44.30                     | 13.20          | 57.10                | 68.20               | 11.10          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 148.38                                   | 1 000                          | H             | 48.40               | 7.27                  | -46.33              | 34.96                     | -4.10          | 44.30                | 54.00               | 9.70           |
| 5 375.94                                   | 1 000                          | H             | 44.30               | 7.32                  | -46.38              | 34.96                     | -4.10          | 40.20                | 54.00               | 13.80          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11n HT40\_Highest Channel (5 230 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 030.25                                   | 1 000                          | H             | 68.60               | 3.00                  | -48.56              | 28.76                     | -16.80         | 51.80                | 74.00               | 22.20          |
| 5 128.44                                   | 1 000                          | H             | 53.70               | 7.37                  | -46.33              | 34.96                     | -4.00          | 49.70                | 74.00               | 24.30          |
| 5 396.56                                   | 1 000                          | H             | 52.50               | 7.34                  | -46.40              | 34.96                     | -4.10          | 48.40                | 74.00               | 25.60          |
| 6 972.94                                   | 1 000                          | H             | 49.20               | 8.76                  | -46.05              | 35.89                     | -1.40          | 47.80                | 68.20               | 20.40          |
| 17 051.25                                  | 1 000                          | V             | 41.60               | 13.39                 | -44.01              | 40.92                     | 10.30          | 51.90                | 68.20               | 16.30          |
| 27 655.25                                  | 1 000                          | H             | 42.10               | 15.10                 | -47.50              | 45.60                     | 13.20          | 55.30                | 68.20               | 12.90          |
| 37 915.50                                  | 1 000                          | V             | 43.40               | 18.70                 | -49.40              | 44.50                     | 13.80          | 57.20                | 68.20               | 11.00          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 030.25                                   | 1 000                          | H             | 57.10               | 3.00                  | -48.56              | 28.76                     | -16.80         | 40.30                | 54.00               | 13.70          |
| 5 128.44                                   | 1 000                          | H             | 44.80               | 7.37                  | -46.33              | 34.96                     | -4.00          | 40.80                | 54.00               | 13.20          |
| 5 396.56                                   | 1 000                          | H             | 43.70               | 7.34                  | -46.40              | 34.96                     | -4.10          | 39.60                | 54.00               | 14.40          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT40\_Lowest Channel (5 190 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 148.38                                   | 1 000                          | H             | 58.10               | 7.27                  | -46.33              | 34.96                     | -4.10          | 54.00                | 74.00               | 20.00          |
| 5 353.25                                   | 1 000                          | H             | 52.60               | 7.31                  | -46.37              | 34.96                     | -4.10          | 48.50                | 74.00               | 25.50          |
| 6 919.75                                   | 1 000                          | H             | 52.40               | 8.79                  | -46.03              | 35.84                     | -1.40          | 51.00                | 68.20               | 17.20          |
| 17 038.31                                  | 1 000                          | V             | 41.60               | 13.39                 | -44.01              | 40.92                     | 10.30          | 51.90                | 68.20               | 16.30          |
| 26 915.50                                  | 1 000                          | H             | 43.20               | 15.00                 | -47.60              | 45.40                     | 12.80          | 56.00                | 68.20               | 12.20          |
| 39 260.25                                  | 1 000                          | H             | 43.20               | 18.60                 | -50.00              | 44.70                     | 13.30          | 56.50                | 68.20               | 11.70          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 148.38                                   | 1 000                          | H             | 49.10               | 7.27                  | -46.33              | 34.96                     | -4.10          | 45.00                | 54.00               | 9.00           |
| 5 353.25                                   | 1 000                          | H             | 43.50               | 7.31                  | -46.37              | 34.96                     | -4.10          | 39.40                | 54.00               | 14.60          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT40\_Highest Channel (5 230 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 026.81                                   | 1 000                          | H             | 69.20               | 3.02                  | -48.57              | 28.75                     | -16.80         | 52.40                | 74.00               | 21.60          |
| 5 142.88                                   | 1 000                          | H             | 53.60               | 7.27                  | -46.33              | 34.96                     | -4.10          | 49.50                | 74.00               | 24.50          |
| 5 362.19                                   | 1 000                          | H             | 52.90               | 7.34                  | -46.40              | 34.96                     | -4.10          | 48.80                | 74.00               | 25.20          |
| 6 972.94                                   | 1 000                          | H             | 49.40               | 8.76                  | -46.05              | 35.89                     | -1.40          | 48.00                | 68.20               | 20.20          |
| 17 412.06                                  | 1 000                          | V             | 41.40               | 13.49                 | -43.70              | 40.91                     | 10.70          | 52.10                | 68.20               | 16.10          |
| 26 981.50                                  | 1 000                          | H             | 42.10               | 15.00                 | -47.70              | 45.40                     | 12.70          | 54.80                | 68.20               | 13.40          |
| 38 754.25                                  | 1 000                          | V             | 44.50               | 18.50                 | -49.70              | 44.30                     | 13.10          | 57.60                | 68.20               | 10.60          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 026.81                                   | 1 000                          | H             | 58.90               | 3.02                  | -48.57              | 28.75                     | -16.80         | 42.10                | 54.00               | 11.90          |
| 5 142.88                                   | 1 000                          | H             | 43.50               | 7.27                  | -46.33              | 34.96                     | -4.10          | 39.40                | 54.00               | 14.60          |
| 5 362.19                                   | 1 000                          | H             | 43.20               | 7.34                  | -46.40              | 34.96                     | -4.10          | 39.10                | 54.00               | 14.90          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

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**802.11ac VHT80\_Lowest Channel (5 210 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 013.06                                   | 1 000                          | H             | 59.50               | 2.95                  | -48.58              | 28.73                     | -16.90         | 42.60                | 74.00               | 31.40          |
| 5 149.06                                   | 1 000                          | H             | 60.40               | 7.27                  | -46.33              | 34.96                     | -4.10          | 56.30                | 74.00               | 17.70          |
| 5 358.75                                   | 1 000                          | H             | 53.40               | 7.34                  | -46.40              | 34.96                     | -4.10          | 49.30                | 74.00               | 24.70          |
| 6 945.63                                   | 1 000                          | H             | 50.70               | 8.78                  | -46.05              | 35.87                     | -1.40          | 49.30                | 68.20               | 18.90          |
| 17 529.94                                  | 1 000                          | V             | 41.90               | 13.52                 | -43.63              | 40.91                     | 10.80          | 52.70                | 68.20               | 15.50          |
| 27 520.50                                  | 1 000                          | H             | 43.00               | 15.10                 | -47.60              | 45.60                     | 13.10          | 56.10                | 68.20               | 12.10          |
| 37 915.50                                  | 1 000                          | V             | 43.70               | 18.70                 | -49.40              | 44.50                     | 13.80          | 57.50                | 68.20               | 10.70          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 013.06                                   | 1 000                          | H             | 48.70               | 2.95                  | -48.58              | 28.73                     | -16.90         | 31.80                | 54.00               | 22.20          |
| 5 149.06                                   | 1 000                          | H             | 51.40               | 7.27                  | -46.33              | 34.96                     | -4.10          | 47.30                | 54.00               | 6.70           |
| 5 358.75                                   | 1 000                          | H             | 43.70               | 7.34                  | -46.40              | 34.96                     | -4.10          | 39.60                | 54.00               | 14.40          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

- MIMO (ANT 1+2)

**802.11n HT20\_Lowest Channel (5 180 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 349.25                                   | 1 000                          | H             | 54.20               | 2.07                  | -48.15              | 29.38                     | -16.70         | 37.50                | 74.00               | 36.50          |
| 5 141.50                                   | 1 000                          | H             | 56.50               | 7.27                  | -46.33              | 34.96                     | -4.10          | 52.40                | 74.00               | 21.60          |
| 6 906.81                                   | 1 000                          | H             | 59.20               | 8.79                  | -46.02              | 35.83                     | -1.40          | 57.80                | 68.20               | 10.40          |
| 14 607.50                                  | 1 000                          | V             | 44.80               | 12.53                 | -45.45              | 39.52                     | 6.60           | 51.40                | 68.20               | 16.80          |
| 27 957.75                                  | 1 000                          | H             | 41.20               | 15.20                 | -47.40              | 45.70                     | 13.50          | 54.70                | 68.20               | 13.50          |
| 38 553.50                                  | 1 000                          | V             | 43.60               | 18.60                 | -49.50              | 44.30                     | 13.40          | 57.00                | 68.20               | 11.20          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 349.25                                   | 1 000                          | H             | 43.00               | 2.07                  | -48.15              | 29.38                     | -16.70         | 26.30                | 54.00               | 27.70          |
| 5 141.50                                   | 1 000                          | H             | 46.80               | 7.27                  | -46.33              | 34.96                     | -4.10          | 42.70                | 54.00               | 11.30          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

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KCTL-TIR001-003/0

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**802.11n HT20\_Middle Channel (5 200 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 471.25                                   | 1 000                          | V             | 67.90               | 6.06                  | -47.11              | 31.35                     | -9.70          | 58.20                | 74.00               | 15.80          |
| 3 853.81                                   | 1 000                          | H             | 49.40               | 6.27                  | -46.39              | 33.12                     | -7.00          | 42.40                | 74.00               | 31.60          |
| 6 932.69                                   | 1 000                          | H             | 58.90               | 8.78                  | -46.04              | 35.86                     | -1.40          | 57.50                | 68.20               | 10.70          |
| 14 991.31                                  | 1 000                          | V             | 45.50               | 12.83                 | -46.30              | 39.67                     | 6.20           | 51.70                | 68.20               | 16.50          |
| 28 628.75                                  | 1 000                          | H             | 42.80               | 15.50                 | -47.60              | 45.90                     | 13.80          | 56.60                | 68.20               | 11.60          |
| 38 553.50                                  | 1 000                          | V             | 43.70               | 18.60                 | -49.50              | 44.30                     | 13.40          | 57.10                | 68.20               | 11.10          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 471.25                                   | 1 000                          | V             | 42.90               | 6.06                  | -47.11              | 31.35                     | -9.70          | 33.20                | 54.00               | 20.80          |
| 3 853.81                                   | 1 000                          | H             | 38.40               | 6.27                  | -46.39              | 33.12                     | -7.00          | 31.40                | 54.00               | 22.60          |
| <b>Above<br/>4 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

**802.11n HT20\_Highest Channel (5 240 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 037.13                                   | 1 000                          | H             | 79.20               | 2.98                  | -48.55              | 28.77                     | -16.80         | 62.40                | 74.00               | 11.60          |
| 5 402.06                                   | 1 000                          | H             | 56.80               | 7.32                  | -46.38              | 34.96                     | -4.10          | 52.70                | 74.00               | 21.30          |
| 6 905.38                                   | 1 000                          | H             | 59.00               | 8.79                  | -46.02              | 35.83                     | -1.40          | 57.60                | 68.20               | 10.60          |
| 13 172.87                                  | 1 000                          | V             | 44.20               | 11.99                 | -46.93              | 38.74                     | 3.80           | 48.00                | 68.20               | 20.20          |
| 27 688.25                                  | 1 000                          | H             | 42.90               | 15.10                 | -47.50              | 45.60                     | 13.20          | 56.10                | 68.20               | 12.10          |
| 38 553.50                                  | 1 000                          | V             | 43.90               | 18.60                 | -49.50              | 44.30                     | 13.40          | 57.30                | 68.20               | 10.90          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 037.13                                   | 1 000                          | H             | 44.80               | 2.98                  | -48.55              | 28.77                     | -16.80         | 28.00                | 54.00               | 26.00          |
| 5 402.06                                   | 1 000                          | H             | 47.10               | 7.32                  | -46.38              | 34.96                     | -4.10          | 43.00                | 54.00               | 11.00          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

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**802.11ac VHT20\_Lowest Channel (5 180 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 198.00                                   | 1 000                          | H             | 55.60               | 2.66                  | -48.34              | 29.08                     | -16.60         | 39.00                | 74.00               | 35.00          |
| 3 755.50                                   | 1 000                          | H             | 50.40               | 6.24                  | -46.45              | 33.01                     | -7.20          | 43.20                | 74.00               | 30.80          |
| 5 144.25                                   | 1 000                          | H             | 56.30               | 7.24                  | -46.30              | 34.96                     | -4.10          | 52.20                | 74.00               | 21.80          |
| 6 906.81                                   | 1 000                          | H             | 58.00               | 8.79                  | -46.02              | 35.83                     | -1.40          | 56.60                | 68.20               | 11.60          |
| 17 506.94                                  | 1 000                          | H             | 39.30               | 13.51                 | -43.62              | 40.91                     | 10.80          | 50.10                | 68.20               | 18.10          |
| 27 553.50                                  | 1 000                          | H             | 42.10               | 15.10                 | -47.60              | 45.60                     | 13.10          | 55.20                | 68.20               | 13.00          |
| 38 856.00                                  | 1 000                          | V             | 43.20               | 18.40                 | -49.60              | 44.30                     | 13.10          | 56.30                | 68.20               | 11.90          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 198.00                                   | 1 000                          | H             | 43.30               | 2.66                  | -48.34              | 29.08                     | -16.60         | 26.70                | 54.00               | 27.30          |
| 3 755.50                                   | 1 000                          | H             | 38.50               | 6.24                  | -46.45              | 33.01                     | -7.20          | 31.30                | 54.00               | 22.70          |
| 5 144.25                                   | 1 000                          | H             | 46.60               | 7.24                  | -46.30              | 34.96                     | -4.10          | 42.50                | 54.00               | 11.50          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

**802.11ac VHT20\_Middle Channel (5 200 MHz)**

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 413.50                                   | 1 000                          | V             | 64.00               | 6.07                  | -47.13              | 31.26                     | -9.80          | 54.20                | 74.00               | 19.80          |
| 3 910.19                                   | 1 000                          | H             | 49.10               | 6.36                  | -46.35              | 33.19                     | -6.80          | 42.30                | 74.00               | 31.70          |
| 6 932.69                                   | 1 000                          | H             | 56.90               | 8.78                  | -46.04              | 35.86                     | -1.40          | 55.50                | 68.20               | 12.70          |
| 17 351.69                                  | 1 000                          | H             | 41.70               | 13.47                 | -43.78              | 40.91                     | 10.60          | 52.30                | 68.20               | 15.90          |
| 27 553.50                                  | 1 000                          | H             | 42.20               | 15.10                 | -47.60              | 45.60                     | 13.10          | 55.30                | 68.20               | 12.90          |
| 38 688.25                                  | 1 000                          | V             | 43.40               | 18.50                 | -49.60              | 44.30                     | 13.20          | 56.60                | 68.20               | 11.60          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 2 413.50                                   | 1 000                          | V             | 40.70               | 6.07                  | -47.13              | 31.26                     | -9.80          | 30.90                | 54.00               | 23.10          |
| 3 910.19                                   | 1 000                          | H             | 38.50               | 6.36                  | -46.35              | 33.19                     | -6.80          | 31.70                | 54.00               | 22.30          |
| <b>Above<br/>4 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11ac VHT20\_Highest Channel (5 240 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 037.13                                   | 1 000                          | H             | 76.90               | 2.98                  | -48.55              | 28.77                     | -16.80         | 60.10                | 74.00               | 13.90          |
| 2 425.19                                   | 1 000                          | H             | 61.10               | 6.15                  | -47.13              | 31.28                     | -9.70          | 51.40                | 74.00               | 22.60          |
| 5 367.69                                   | 1 000                          | H             | 57.00               | 7.34                  | -46.40              | 34.96                     | -4.10          | 52.90                | 74.00               | 21.10          |
| 6 985.88                                   | 1 000                          | H             | 53.60               | 8.76                  | -46.07              | 35.91                     | -1.40          | 52.20                | 68.20               | 16.00          |
| 17 479.62                                  | 1 000                          | H             | 41.70               | 13.50                 | -43.71              | 40.91                     | 10.70          | 52.40                | 68.20               | 15.80          |
| 27 924.75                                  | 1 000                          | H             | 42.10               | 15.20                 | -47.40              | 45.70                     | 13.50          | 55.60                | 68.20               | 12.60          |
| 38 790.00                                  | 1 000                          | V             | 44.10               | 18.50                 | -49.70              | 44.30                     | 13.10          | 57.20                | 68.20               | 11.00          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 1 037.13                                   | 1 000                          | H             | 55.20               | 2.98                  | -48.55              | 28.77                     | -16.80         | 38.40                | 54.00               | 15.60          |
| 2 425.19                                   | 1 000                          | H             | 40.90               | 6.15                  | -47.13              | 31.28                     | -9.70          | 31.20                | 54.00               | 22.80          |
| 5 367.69                                   | 1 000                          | H             | 47.20               | 7.34                  | -46.40              | 34.96                     | -4.10          | 43.10                | 54.00               | 10.90          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |

### 802.11n HT40\_Lowest Channel (5 190 MHz)

| Frequency<br>[MHz]                         | Receiver<br>Bandwidth<br>[kHz] | Pol.<br>[V/H] | Reading<br>[dB(μV)] | Cable<br>Loss<br>[dB] | Amp<br>Gain<br>[dB] | Antenna<br>Factor<br>[dB] | Factor<br>[dB] | Result<br>[dB(μV/m)] | Limit<br>[dB(μV/m)] | Margin<br>[dB] |
|--------------------------------------------|--------------------------------|---------------|---------------------|-----------------------|---------------------|---------------------------|----------------|----------------------|---------------------|----------------|
| <b>Peak DATA. Emissions above 1 GHz</b>    |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 146.31                                   | 1 000                          | H             | 54.10               | 7.27                  | -46.33              | 34.96                     | -4.10          | 50.00                | 74.00               | 24.00          |
| 5 376.63                                   | 1 000                          | H             | 54.80               | 7.32                  | -46.38              | 34.96                     | -4.10          | 50.70                | 74.00               | 23.30          |
| 6 919.75                                   | 1 000                          | H             | 56.90               | 8.79                  | -46.03              | 35.84                     | -1.40          | 55.50                | 68.20               | 12.70          |
| 17 486.81                                  | 1 000                          | V             | 41.60               | 13.51                 | -43.72              | 40.91                     | 10.70          | 52.30                | 68.20               | 15.90          |
| 26 813.75                                  | 1 000                          | H             | 42.50               | 14.90                 | -47.60              | 45.50                     | 12.80          | 55.30                | 68.20               | 12.90          |
| 38 619.50                                  | 1 000                          | V             | 43.20               | 18.60                 | -49.60              | 44.30                     | 13.30          | 56.50                | 68.20               | 11.70          |
| <b>Average DATA. Emissions above 1 GHz</b> |                                |               |                     |                       |                     |                           |                |                      |                     |                |
| 5 146.31                                   | 1 000                          | H             | 46.00               | 7.27                  | -46.33              | 34.96                     | -4.10          | 41.90                | 54.00               | 12.10          |
| 5 376.63                                   | 1 000                          | H             | 45.50               | 7.32                  | -46.38              | 34.96                     | -4.10          | 41.40                | 54.00               | 12.60          |
| <b>Above<br/>6 000.00</b>                  | <b>Not<br/>Detected</b>        | -             | -                   | -                     | -                   | -                         | -              | -                    | -                   | -              |