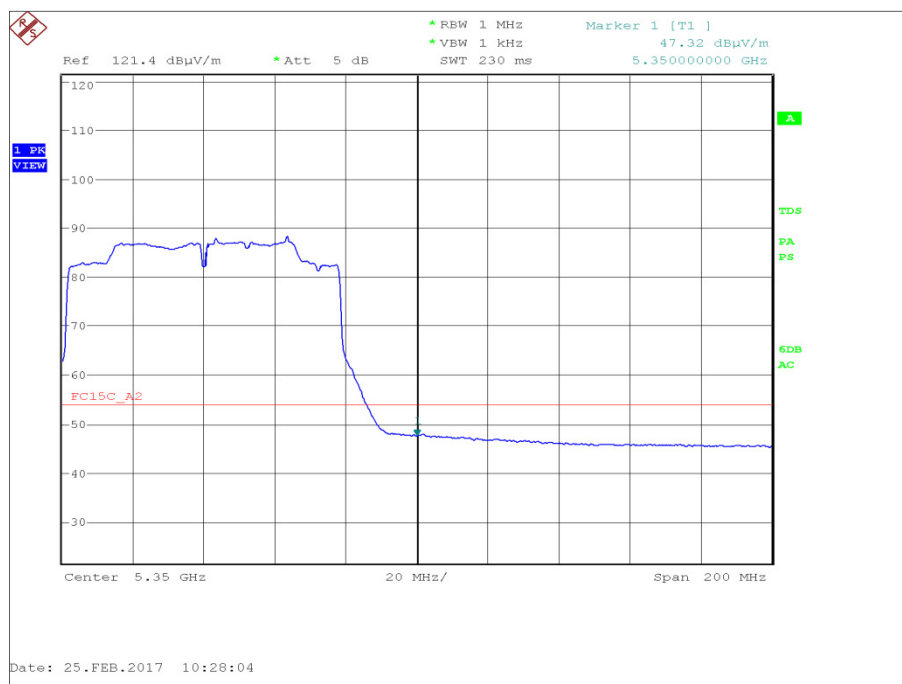




**Figure 203 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average**

FCC 47 CFR Part 15E, Limit Clause 15.205

|                               | Peak (dBµV/m) | Average (dBµV/m) |
|-------------------------------|---------------|------------------|
| Restricted Bands of Operation | 74            | 54               |

Table 128



## 2.5.7 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 5.

| Instrument                           | Manufacturer    | Type No           | TE No | Calibration Period (months) | Calibration Due |
|--------------------------------------|-----------------|-------------------|-------|-----------------------------|-----------------|
| Screened Room (5)                    | Rainford        | Rainford          | 1545  | 36                          | 20-Dec-2017     |
| Turntable Controller                 | Inn-Co GmbH     | CO 1000           | 1606  | -                           | TU              |
| Hygrometer                           | Rotronic        | HYGROPALM 1       | 2338  | 12                          | 21-Sep-2017     |
| Multimeter                           | Iso-tech        | IDM101            | 2417  | 12                          | 30-Sep-2017     |
| Cable (N-N, 8m)                      | Rhophase        | NPS-2302-8000-NPS | 3248  | -                           | O/P Mon         |
| HygroPalm                            | Rotronic        | HygroPalm 0       | 3484  | 12                          | 17-May-2017     |
| EMI Test Receiver                    | Rohde & Schwarz | ESU40             | 3506  | 12                          | 12-Nov-2017     |
| Tilt Antenna Mast                    | mature GmbH     | TAM 4.0-P         | 3916  | -                           | TU              |
| Mast Controller                      | mature GmbH     | NCD               | 3917  | -                           | TU              |
| Cable (Yellow, Rx, Km-Km 2m)         | Scott Cables    | KPS-1501-2000-KPS | 4527  | 6                           | O/P Mon         |
| Double Ridged Waveguide Horn Antenna | ETS-Lindgren    | 3117              | 4722  | 12                          | 17-Feb-2018     |

**Table 129**

TU - Traceability Unscheduled

O/P Mon – Output Monitored using calibrated equipment

## 2.6 Spurious Radiated Emissions

### 2.6.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (b) and 15.205

### 2.6.2 Equipment Under Test and Modification State

DAQRI Smart Helmet, S/N: 1829C-DC8-6UPN9XJWJW - Modification State 0

### 2.6.3 Date of Test

25-February-2017 to 07-March-2017

### 2.6.4 Test Method

The test was performed in accordance with ANSI C63.10, Clause 6.5, 6.6 and 12.7.

### 2.6.5 Environmental Conditions

Ambient Temperature 18.7 - 20.1 °C

Relative Humidity 31.0 - 38.0 %

### 2.6.6 Test Results

#### 802.11a

Testing was performed on the data rate which resulted in the highest conducted output power. The data rate used during testing was 6 Mbps.

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity |
|-----------------|-------------------|-------------------|--------------------|------------|------------|----------|
| 40.088          | 34.9              | 40.0              | -5.1               | 360        | 1.00       | Vertical |
| 42.955          | 33.3              | 40.0              | -6.7               | 81         | 1.00       | Vertical |
| 57.758          | 34.3              | 40.0              | -5.7               | 132        | 1.00       | Vertical |
| 94.511          | 34.7              | 43.5              | -8.8               | 187        | 1.00       | Vertical |
| 98.243          | 38.9              | 43.5              | -4.6               | 198        | 1.00       | Vertical |
| 230.878         | 32.5              | 46.0              | -13.5              | 46         | 1.67       | Vertical |

**Table 130 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz - Emissions Results**

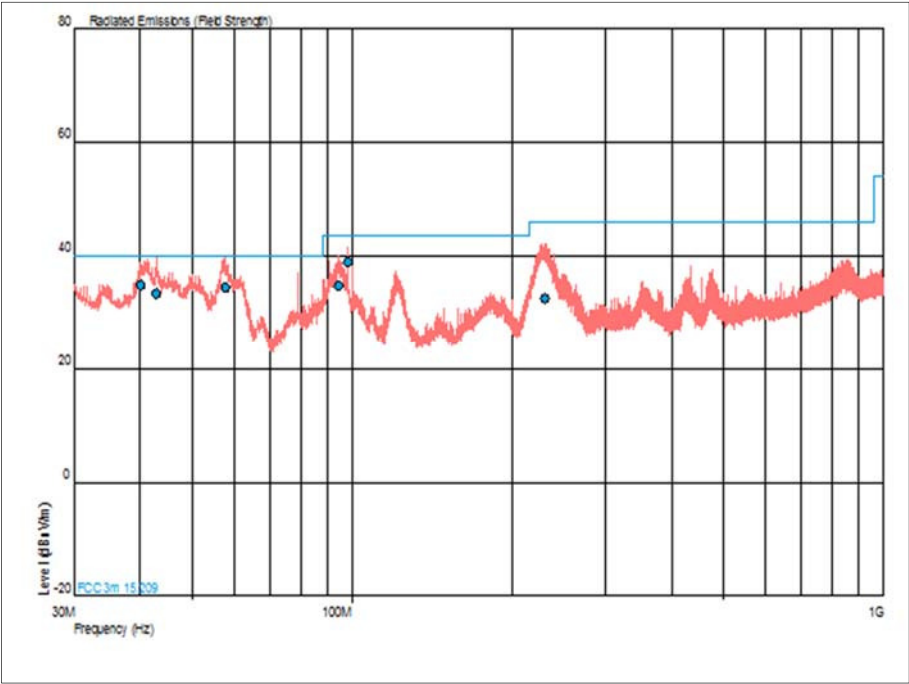


Figure 204 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz - Polarity Horizontal and Vertical

| Frequency | Result (µV/m) |         | Limit (µV/m) |         | Margin (µV/m) |         |
|-----------|---------------|---------|--------------|---------|---------------|---------|
|           | Peak          | Average | Peak         | Average | Peak          | Average |
| *         |               |         |              |         |               |         |

Table 131 - U-NII 1 - 5180 MHz – 1 GHz to 40 GHz - Emissions Results

\*No emissions were detected within 6 dB of the limit.

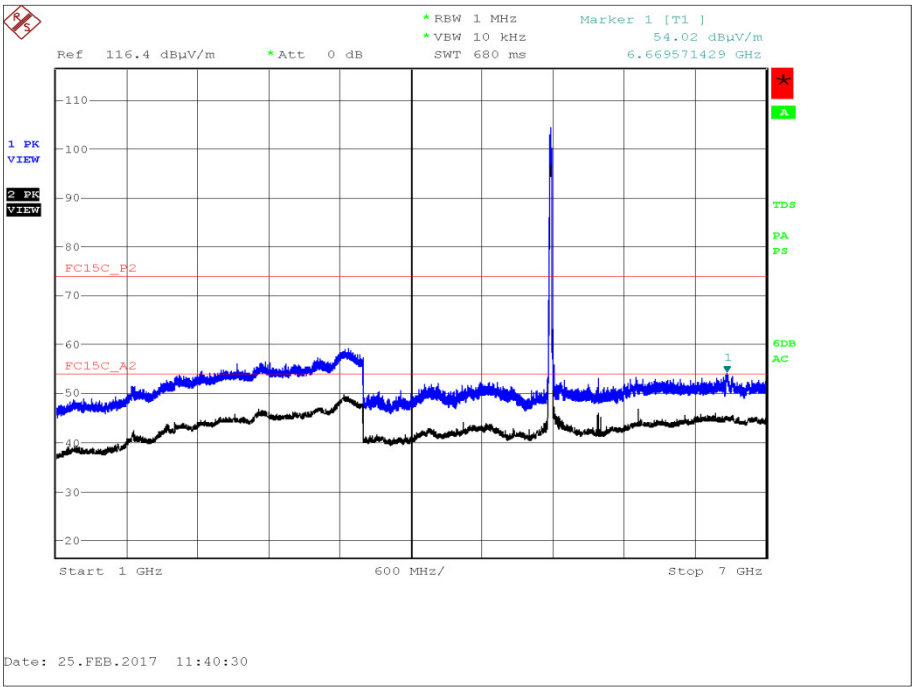


Figure 205 - U-NII 1 - 5180 MHz - 1 GHz to 7 GHz

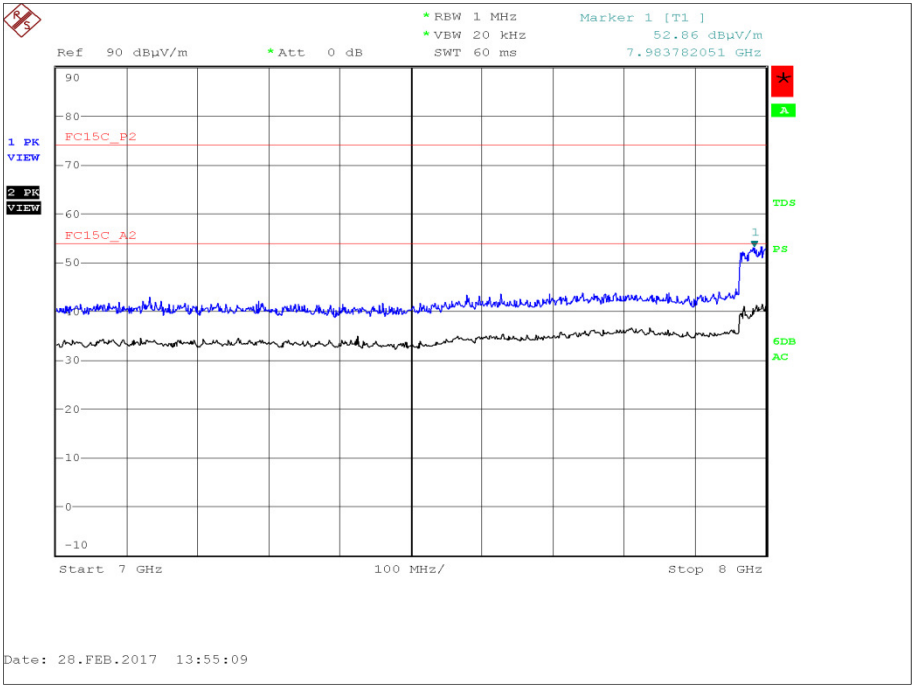


Figure 206 - U-NII 1 - 5180 MHz - 7 GHz to 8 GHz



Product Service

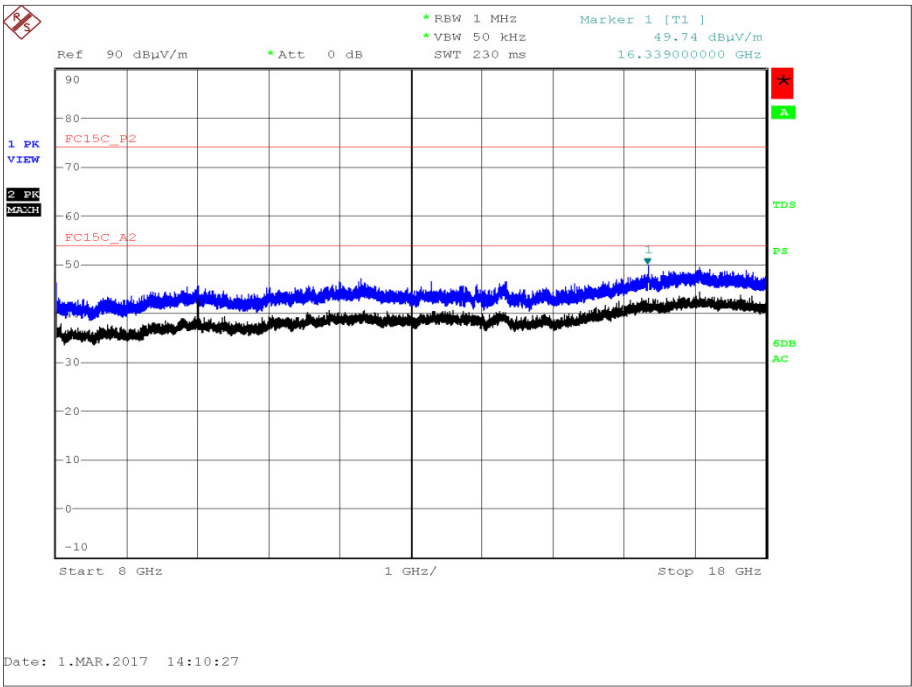


Figure 207 - U-NII 1 - 5180 MHz - 8 GHz to 18 GHz

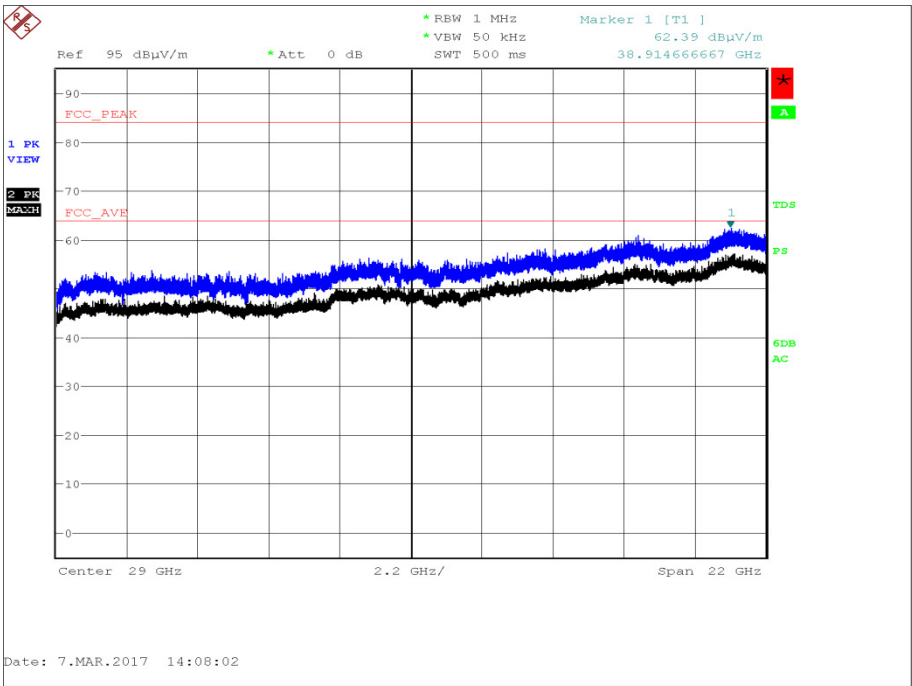


Figure 208 - U-NII 1 - 5180 MHz - 18 GHz to 40 GHz



| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity |
|-----------------|-------------------|-------------------|--------------------|------------|------------|----------|
| 44.798          | 35.7              | 40.0              | -4.3               | 18         | 1.00       | Vertical |
| 45.518          | 36.6              | 40.0              | -3.4               | 72         | 1.00       | Vertical |
| 47.756          | 37.1              | 40.0              | -2.9               | 246        | 1.00       | Vertical |
| 49.634          | 37.2              | 40.0              | -2.8               | 261        | 1.00       | Vertical |
| 98.480          | 32.6              | 43.5              | -10.9              | 282        | 1.00       | Vertical |
| 331.767         | 36.8              | 46.0              | -9.2               | 328        | 1.00       | Vertical |

Table 132 - U-NII 1 - 5200 - 30 MHz to 1 GHz - Emissions Results

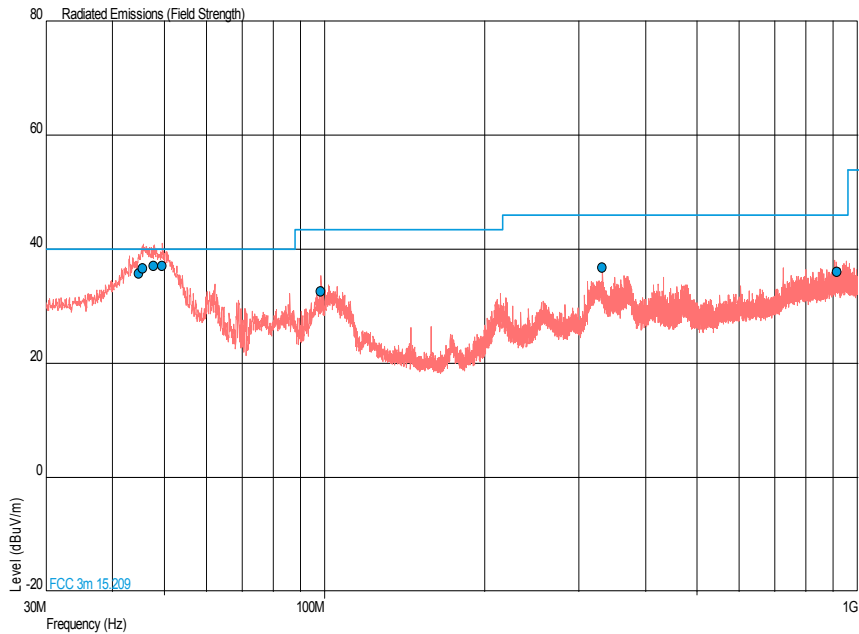


Figure 209 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz

| Frequency (GHz) | Result (µV/m) |         | Limit (µV/m) |         | Margin (µV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

Table 133 - U-NII 1 - 5200 – 1 GHz to 40 GHz- Emissions Results

\*No emissions were detected within 6 dB of the limit.

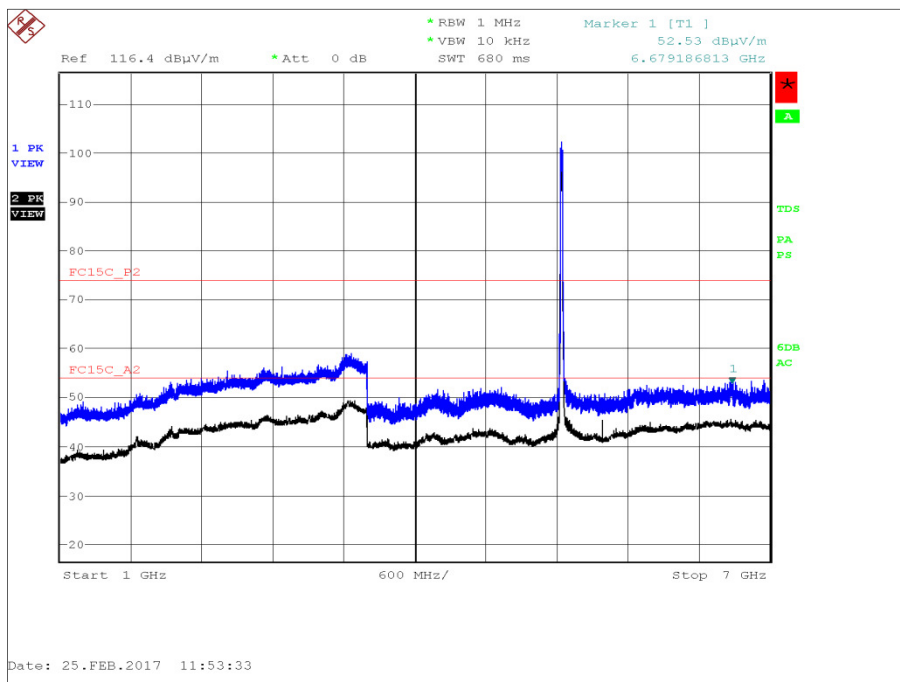


Figure 210 - U-NII 1 - 5200 MHz - 1 GHz to 7 GHz

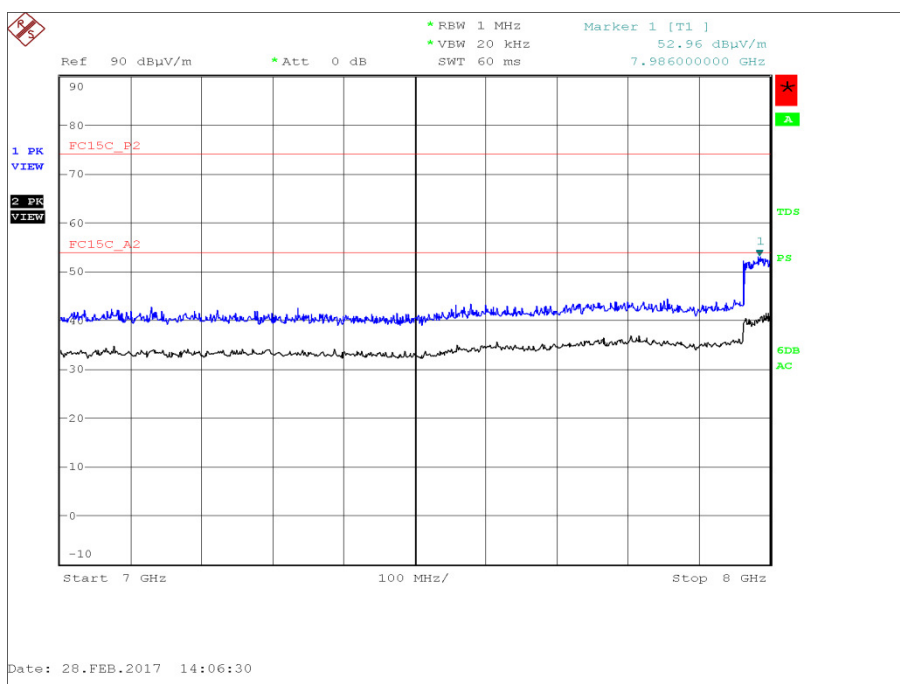


Figure 211 - U-NII 1 - 5200 MHz - 7 GHz to 8 GHz



Product Service

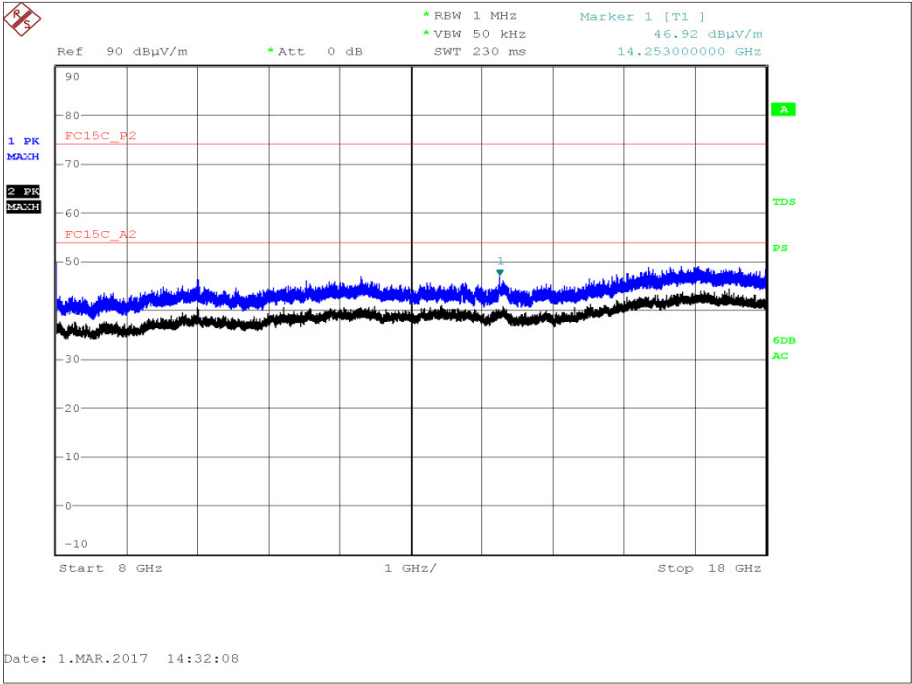


Figure 212 - U-NII 1 - 5200 MHz - 8 GHz to 18 GHz

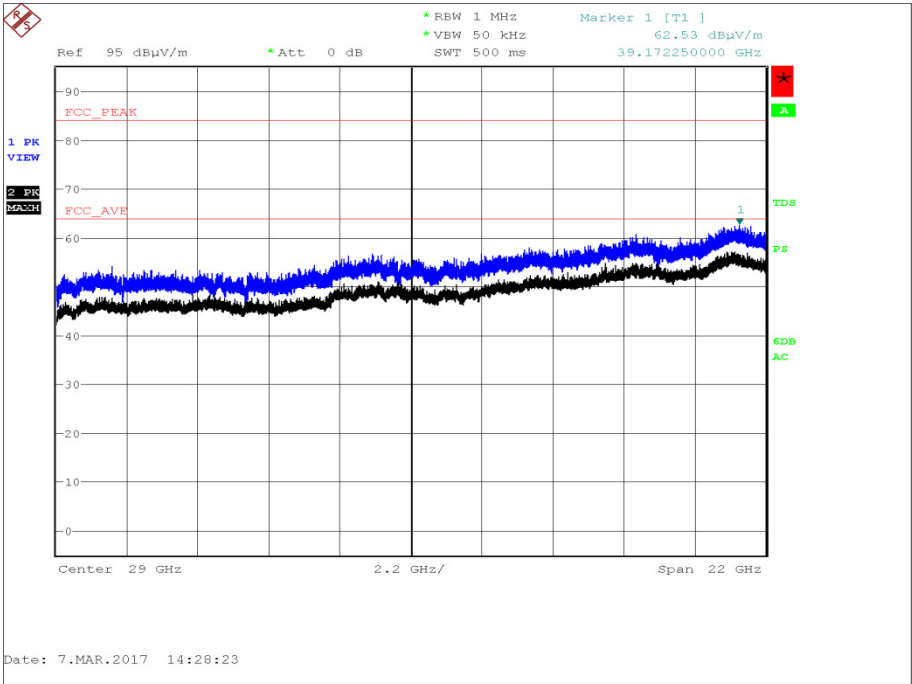
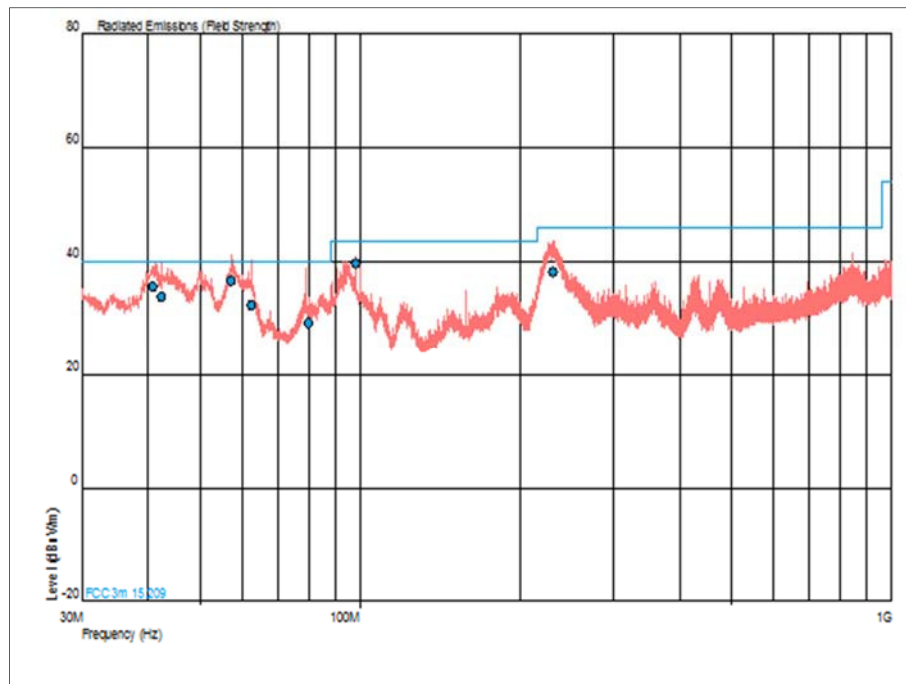


Figure 213 - U-NII 1 - 5200 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 40.760          | 35.7              | 40.0              | -4.3               | 25         | 1.00       | Vertical   |
| 42.320          | 33.9              | 40.0              | -6.1               | 54         | 1.00       | Vertical   |
| 57.350          | 36.6              | 40.0              | -3.4               | 85         | 1.00       | Vertical   |
| 62.498          | 32.4              | 40.0              | -7.6               | 47         | 1.09       | Vertical   |
| 80.079          | 29.2              | 40.0              | -10.8              | 280        | 1.16       | Vertical   |
| 98.223          | 39.6              | 43.5              | -3.9               | 196        | 1.00       | Vertical   |
| 230.663         | 38.1              | 46.0              | -7.9               | 132        | 1.00       | Horizontal |

**Table 134 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 214 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

**Table 135 - U-NII 1 - 5240 MHz – 1 GHz to 40 GHz - Emissions Results**

\*No emissions were detected within 6 dB of the limit.

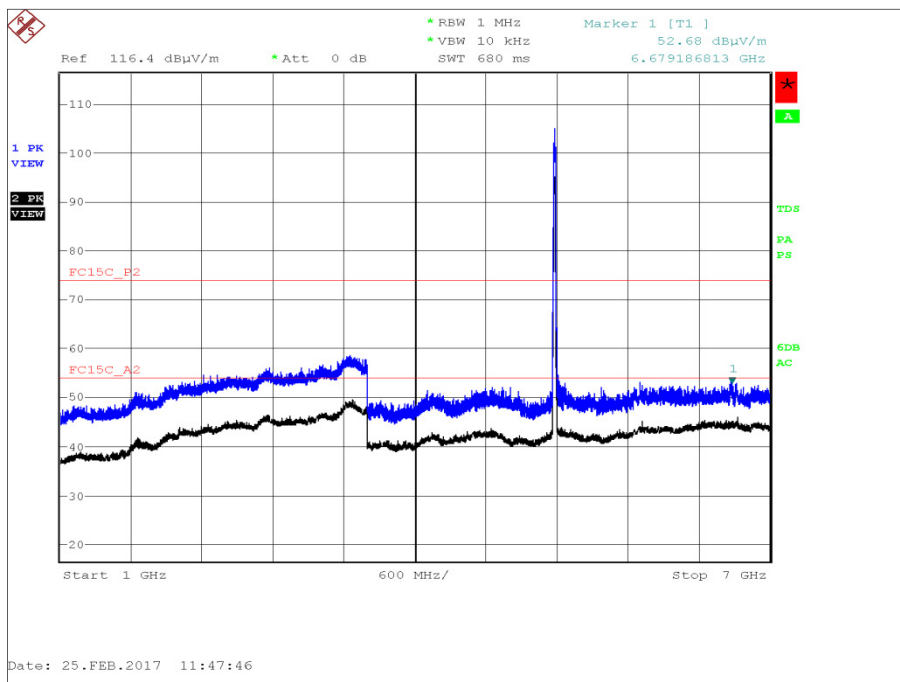


Figure 215 - U-NII 1 - 5240 MHz - 1 GHz to 7 GHz

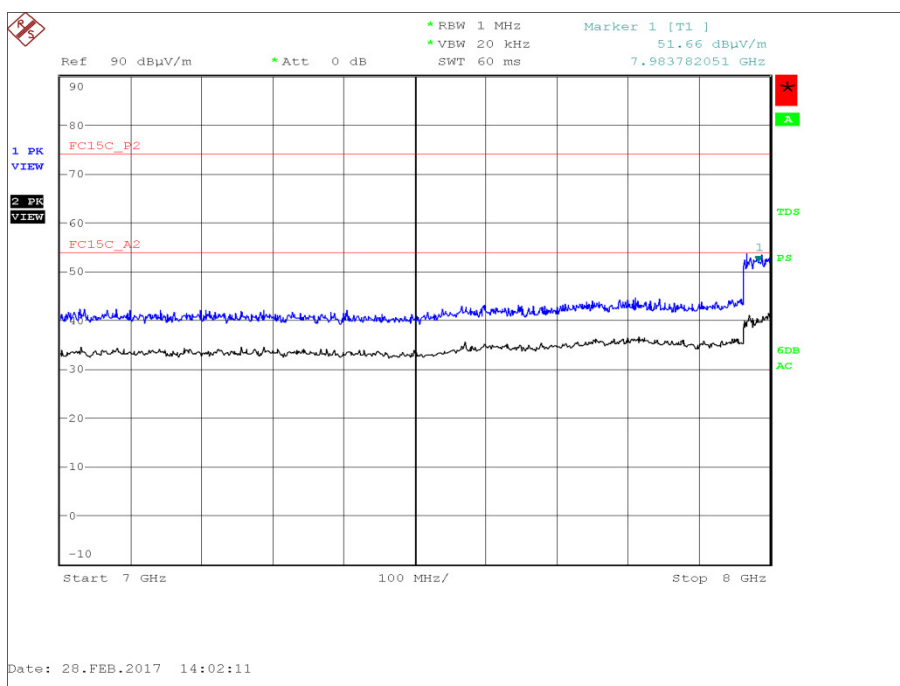


Figure 216 - U-NII 1 - 5240 MHz - 7 GHz to 8 GHz

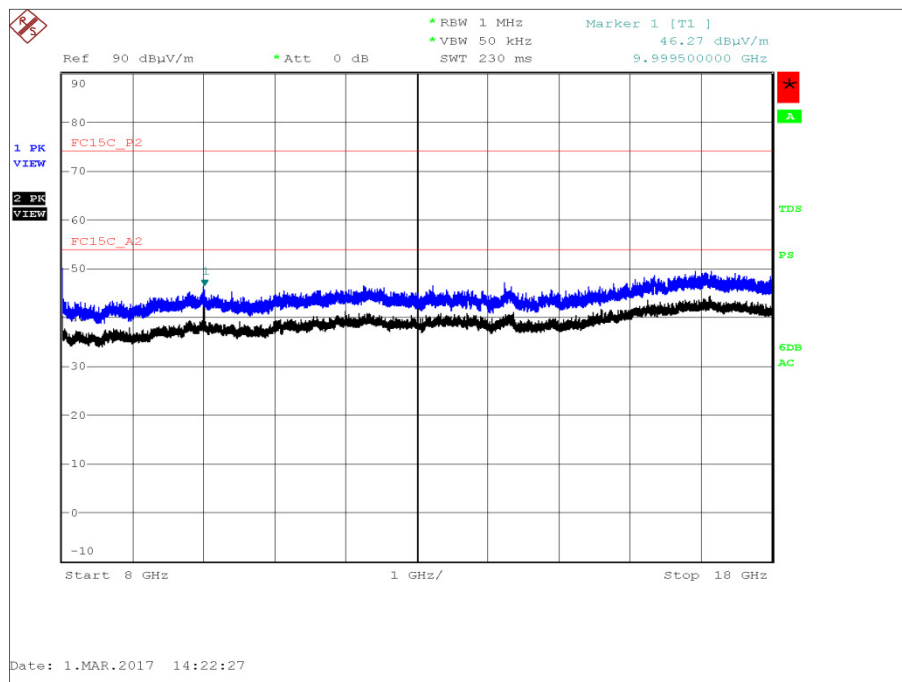


Figure 217 - U-NII 1 - 5240 MHz - 8 GHz to 18 GHz

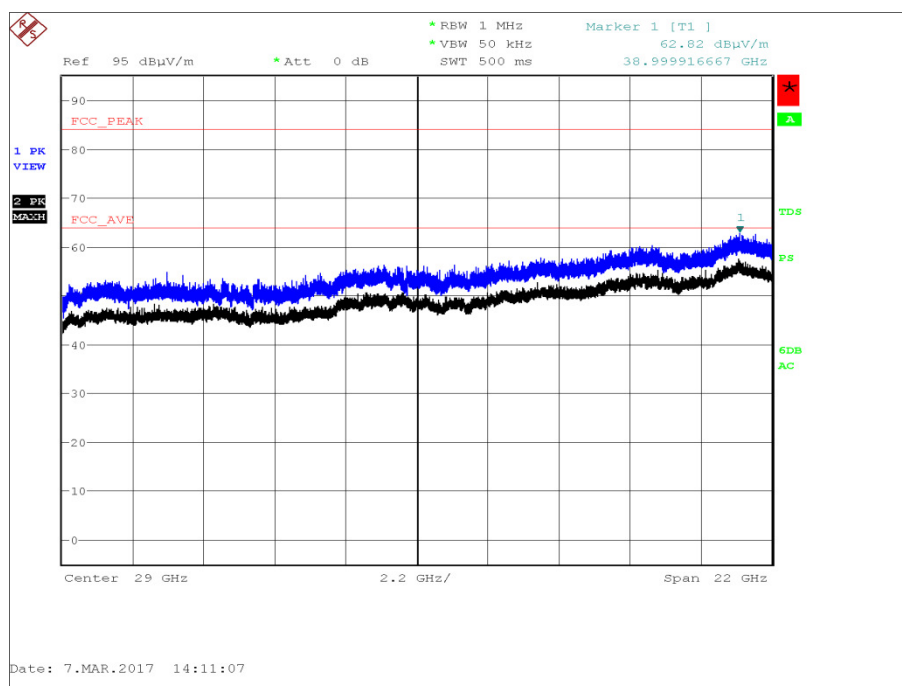
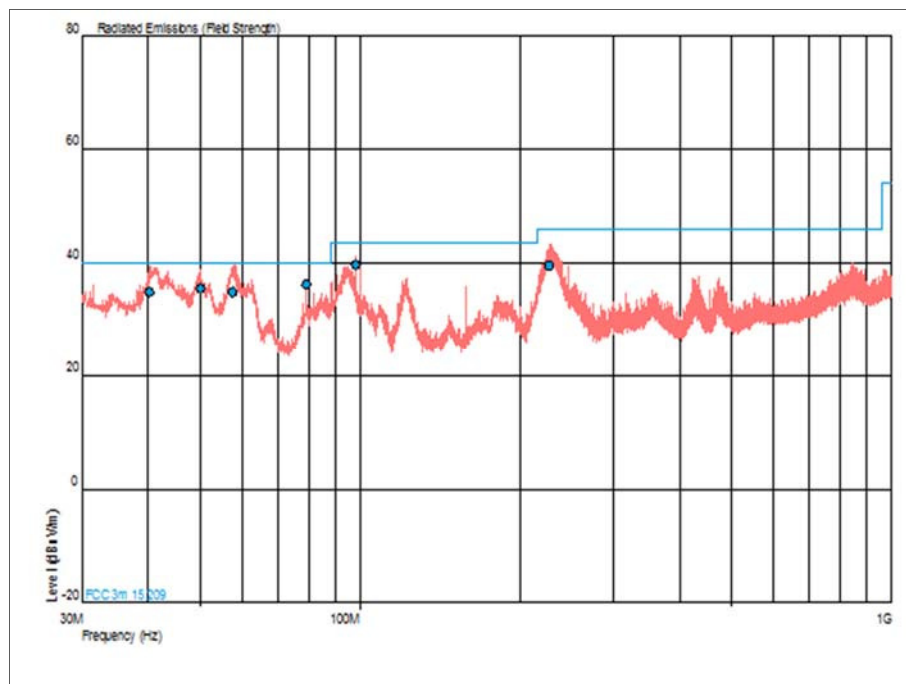


Figure 218 - U-NII 1 - 5240 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 40.238          | 34.9              | 40.0              | -5.1               | 360        | 1.16       | Vertical   |
| 50.188          | 35.4              | 40.0              | -4.6               | 116        | 1.00       | Vertical   |
| 57.596          | 34.9              | 40.0              | -5.1               | 263        | 1.00       | Vertical   |
| 79.201          | 36.1              | 40.0              | -3.9               | 311        | 1.00       | Vertical   |
| 98.215          | 39.6              | 43.5              | -3.9               | 192        | 1.00       | Vertical   |
| 227.061         | 39.4              | 46.0              | -6.6               | 179        | 1.00       | Horizontal |

**Table 136 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 219 - U-NII 2a MHz - 5260 - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

**Table 137 - U-NII 2a - 5260 MHz – 1 GHz to 40 GHz - Emissions Results**

\*No emissions were detected within 6 dB of the limit.

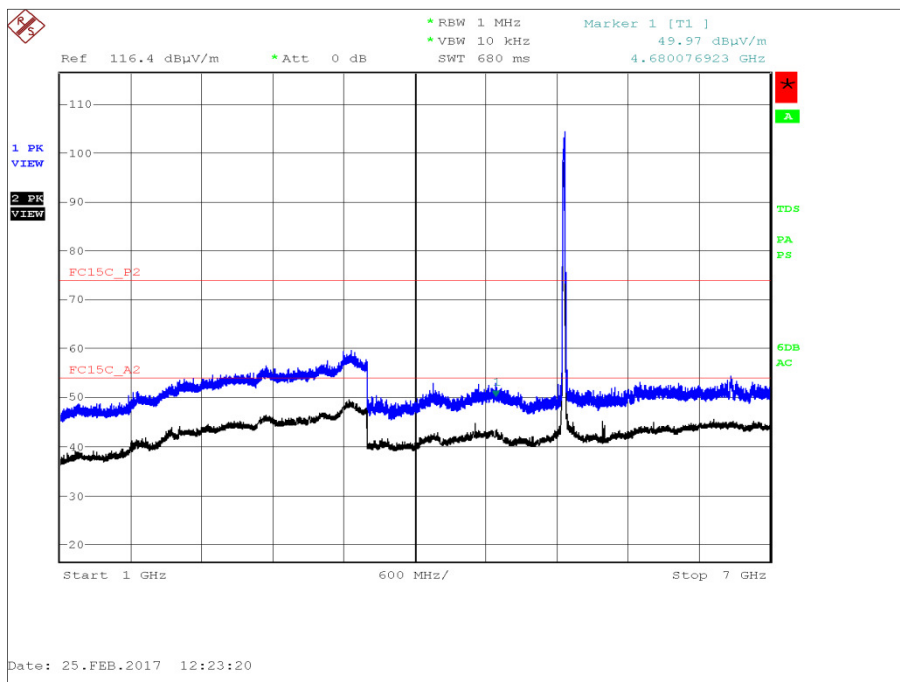


Figure 220 - U-NII 2a - 5260 MHz - 1 GHz to 7 GHz

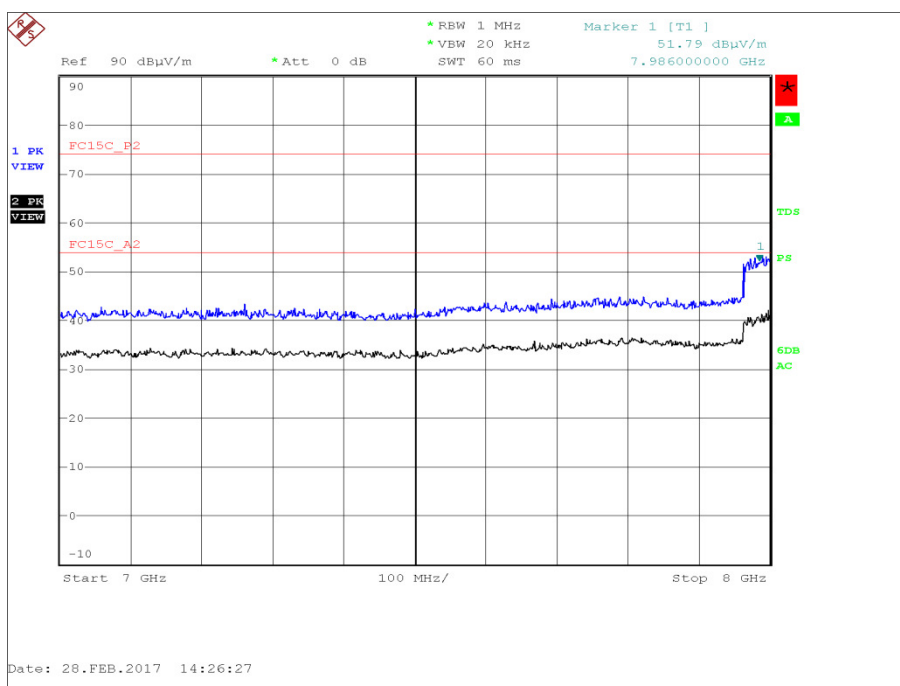


Figure 221 - U-NII 2a - 5260 MHz - 7 GHz to 8 GHz

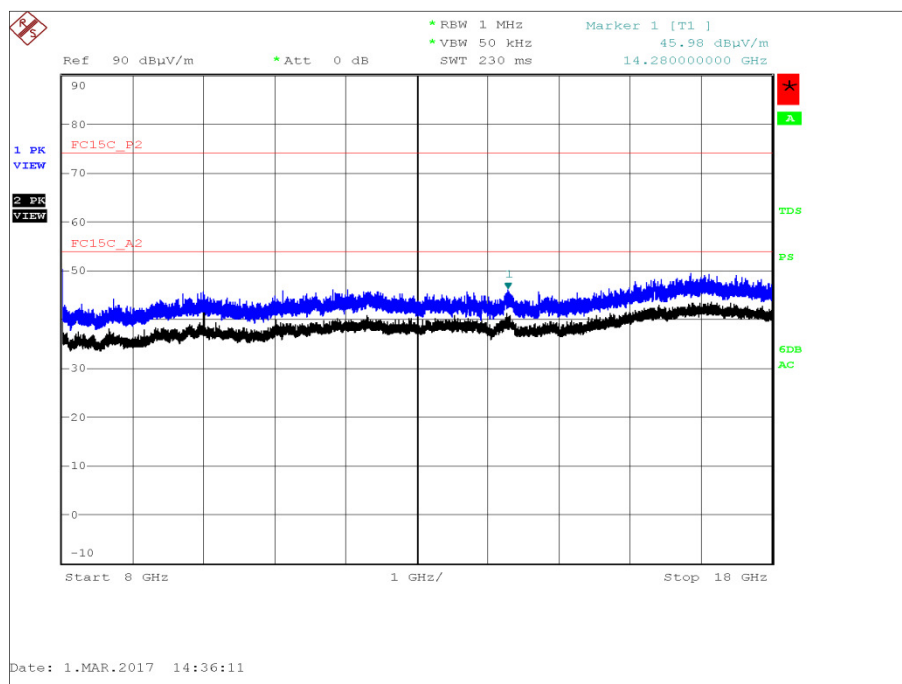


Figure 222 - U-NII 2a - 5260 MHz - 8 GHz to 18 GHz

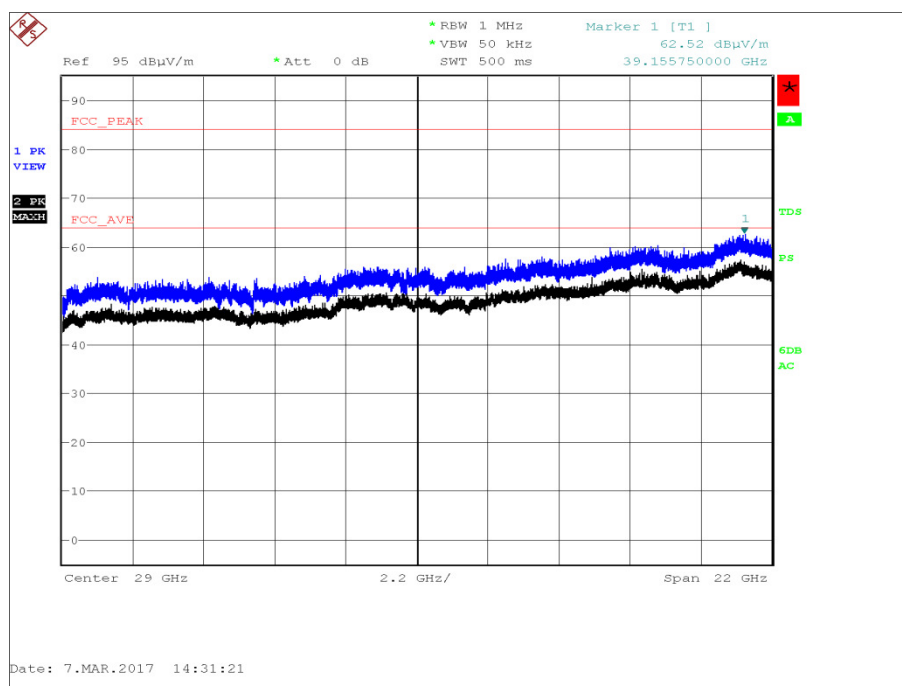
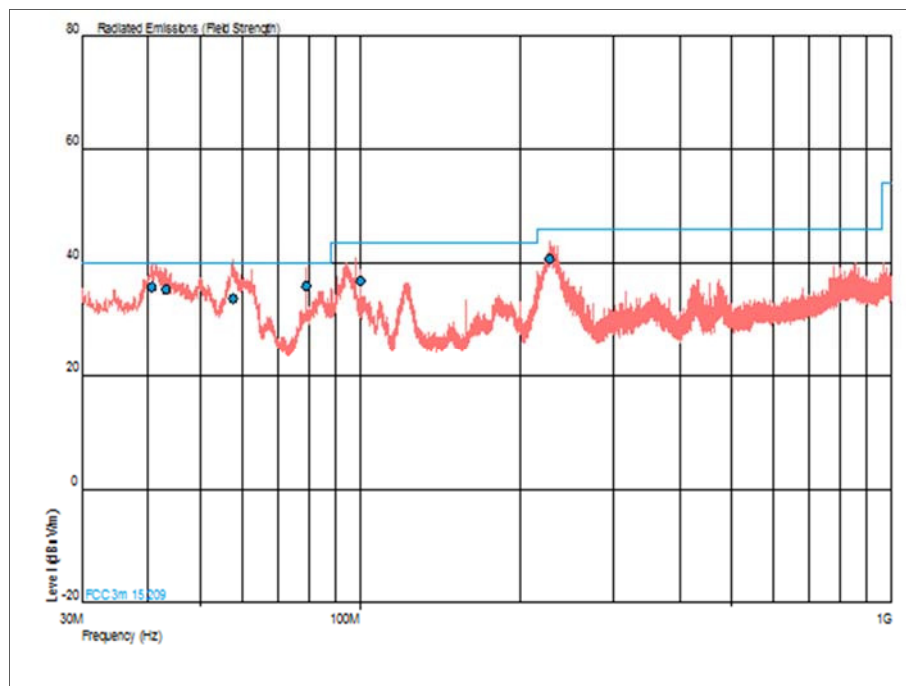


Figure 223 - U-NII 2a - 5260 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 40.627          | 35.7              | 40.0              | -4.3               | 360        | 1.00       | Vertical   |
| 43.130          | 35.2              | 40.0              | -4.8               | 54         | 1.00       | Vertical   |
| 57.804          | 33.7              | 40.0              | -6.3               | 143        | 1.00       | Vertical   |
| 79.216          | 35.9              | 40.0              | -4.1               | 276        | 1.00       | Vertical   |
| 100.321         | 36.9              | 43.5              | -6.6               | 225        | 1.00       | Vertical   |
| 227.618         | 40.6              | 46.0              | -5.4               | 143        | 1.37       | Horizontal |

**Table 138 - U-NII 2a - 5280 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 224 - U-NII 2a - 5280 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

**Table 139 - U-NII 2a - 5280 MHz – 1 GHz to 40 GHz - Emissions Results**

\*No emissions were detected within 6 dB of the limit.



Product Service

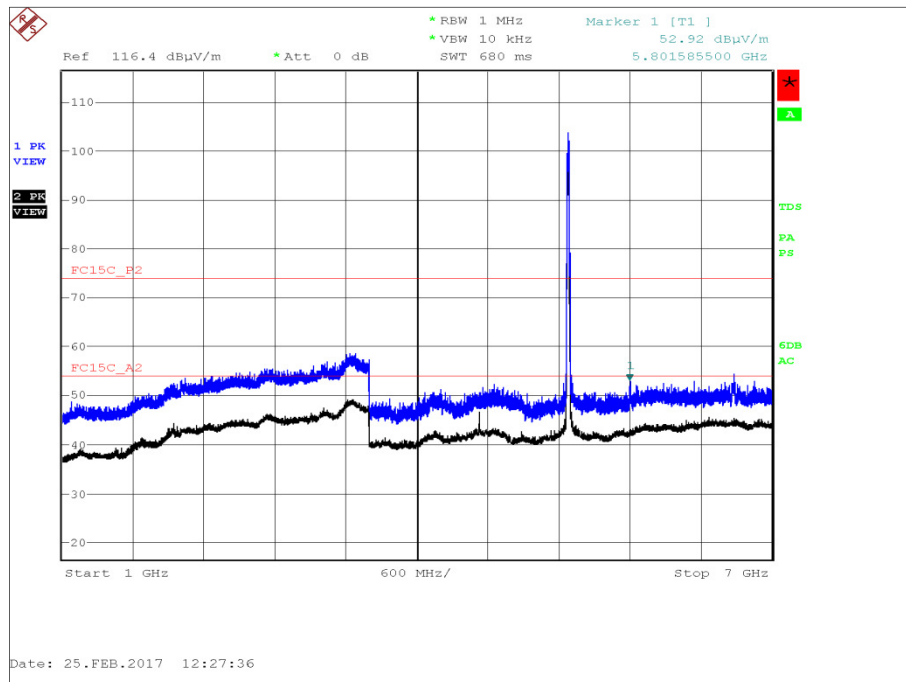


Figure 225 - U-NII 2a - 5280 MHz - 1 GHz to 7 GHz

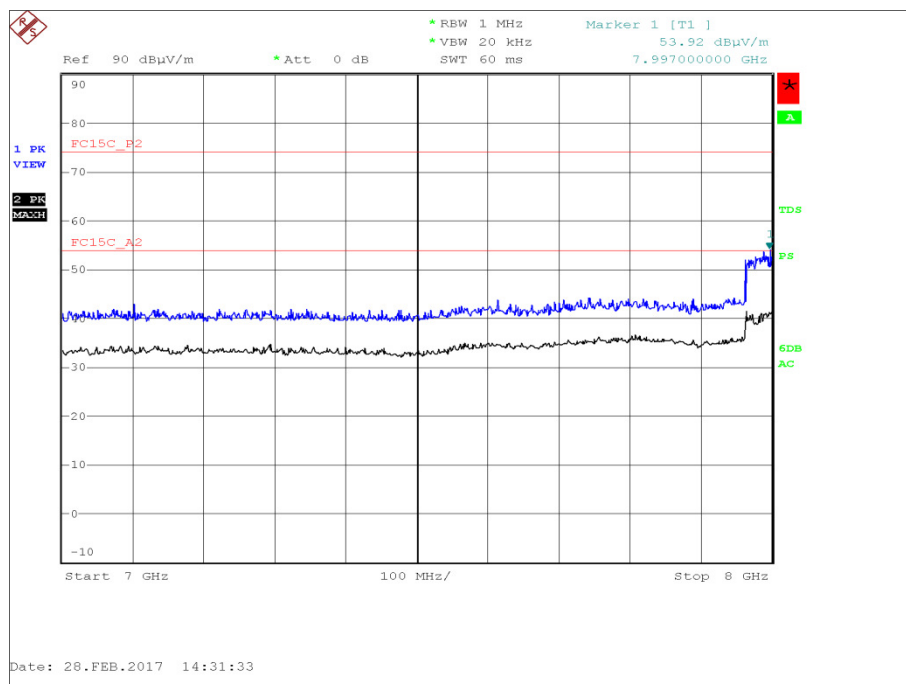


Figure 226 - U-NII 2a - 5280 MHz - 7 GHz to 8 GHz



Product Service

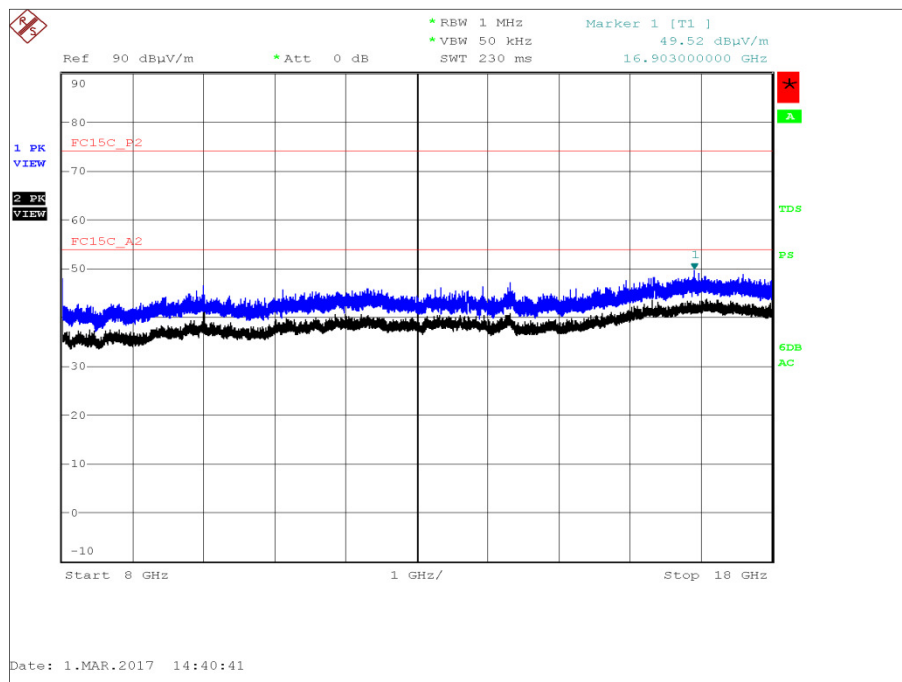


Figure 227 - U-NII 2a - 5280 MHz - 8 GHz to 18 GHz

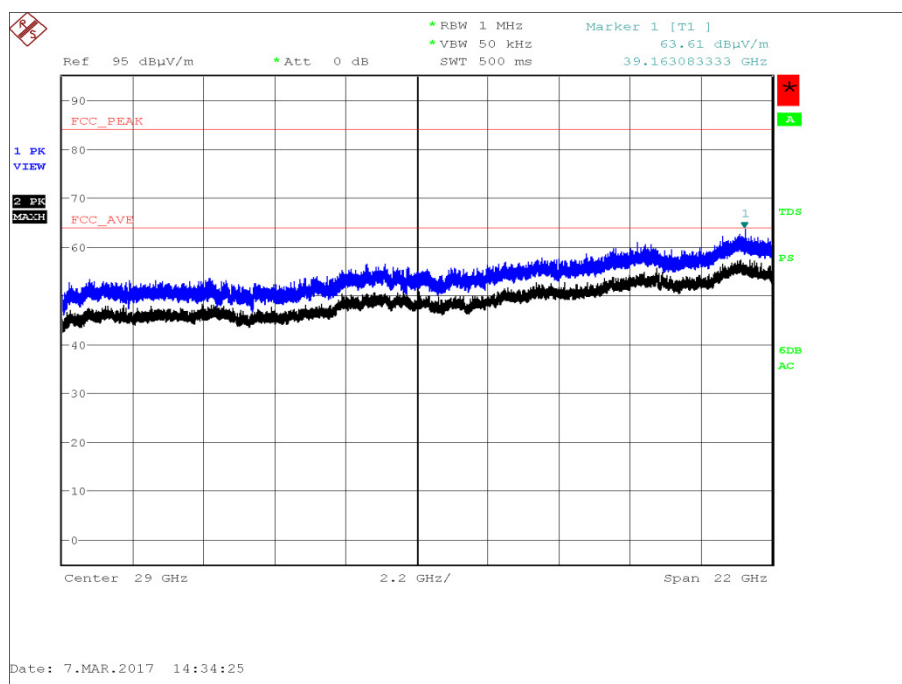
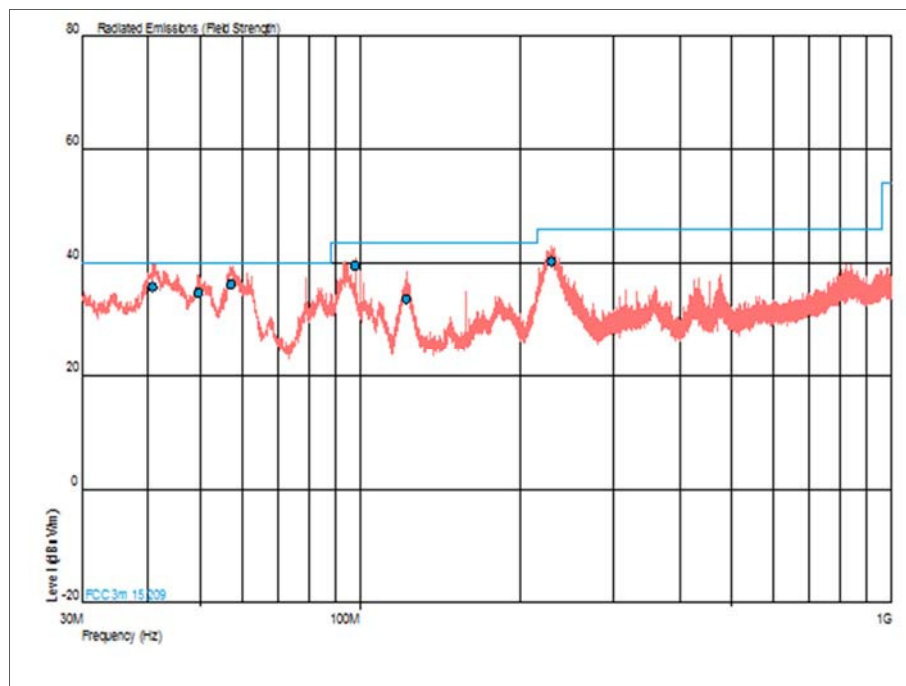


Figure 228 - U-NII 2a - 5280 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 40.836          | 35.7              | 40.0              | -4.3               | 99         | 1.00       | Vertical   |
| 49.732          | 34.7              | 40.0              | -5.3               | 127        | 1.16       | Vertical   |
| 57.253          | 36.1              | 40.0              | -3.9               | 91         | 1.08       | Vertical   |
| 98.163          | 39.5              | 43.5              | -4.0               | 188        | 1.08       | Vertical   |
| 122.495         | 33.7              | 43.5              | -9.8               | 245        | 1.00       | Vertical   |
| 229.159         | 40.2              | 46.0              | -5.8               | 154        | 1.00       | Horizontal |

**Table 140 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 229 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

**Table 141 - U-NII 2a - 5320 MHz - 1 GHz to 40 GHz - Emissions Results**

\*No emissions were detected within 6 dB of the limit.



Product Service

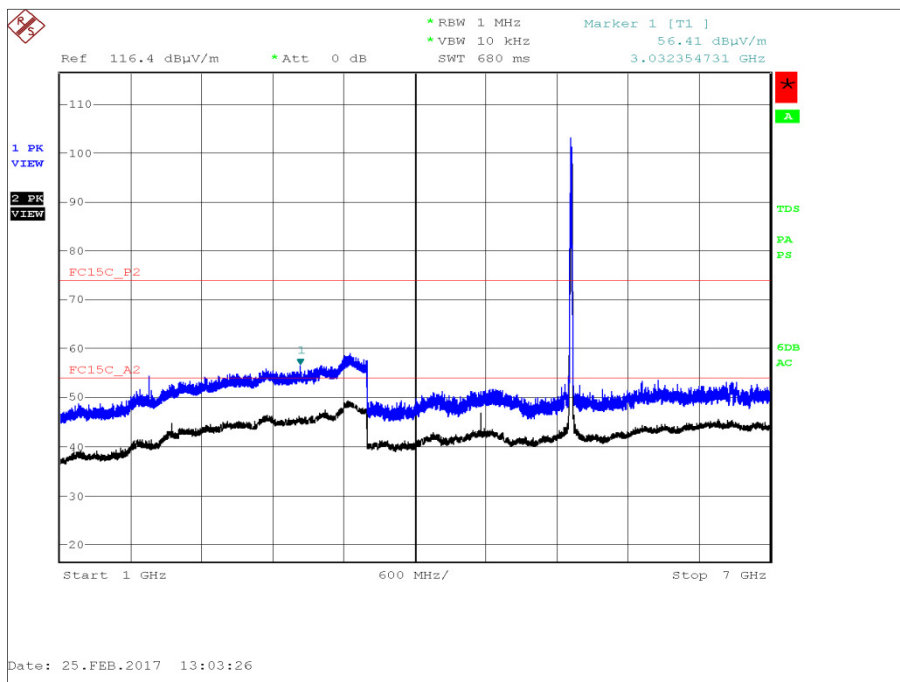


Figure 230 - U-NII 2a - 5320 MHz - 1 GHz to 7 GHz

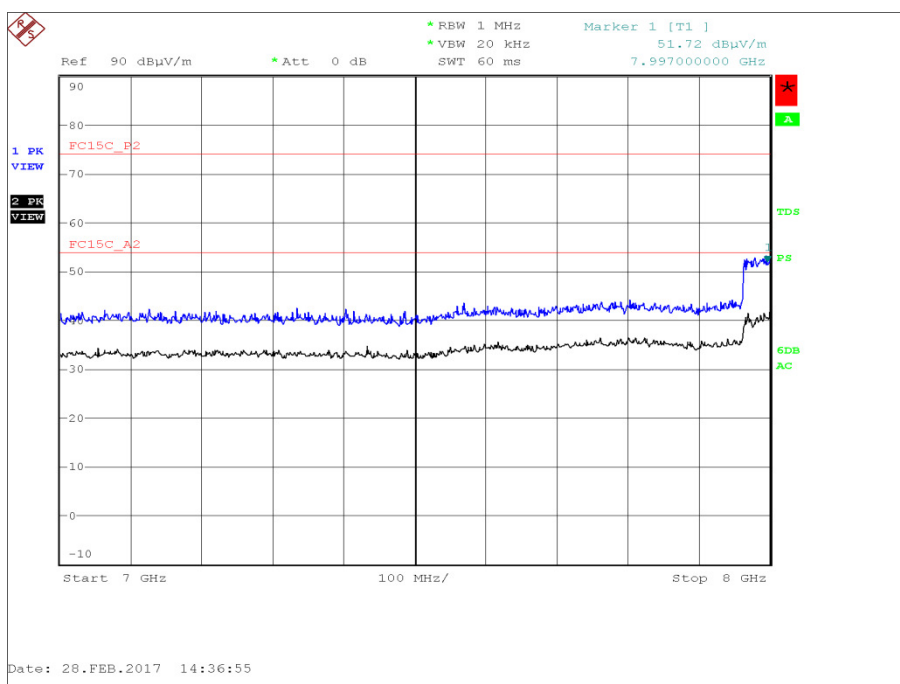


Figure 231 - U-NII 2a - 5320 MHz - 7 GHz to 8 GHz



Product Service

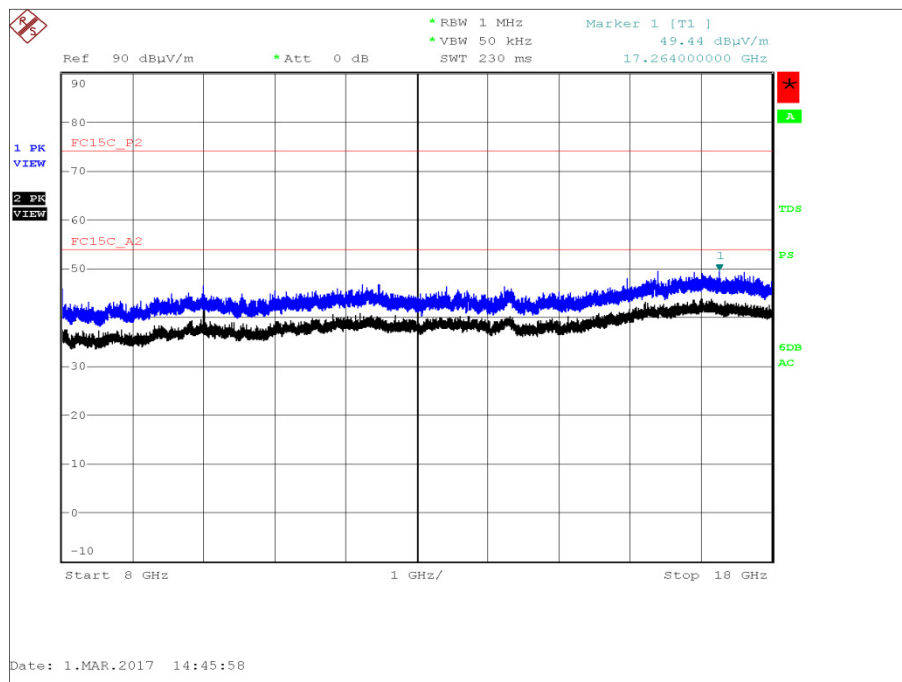


Figure 232 - U-NII 2a - 5320 MHz - 8 GHz to 18 GHz

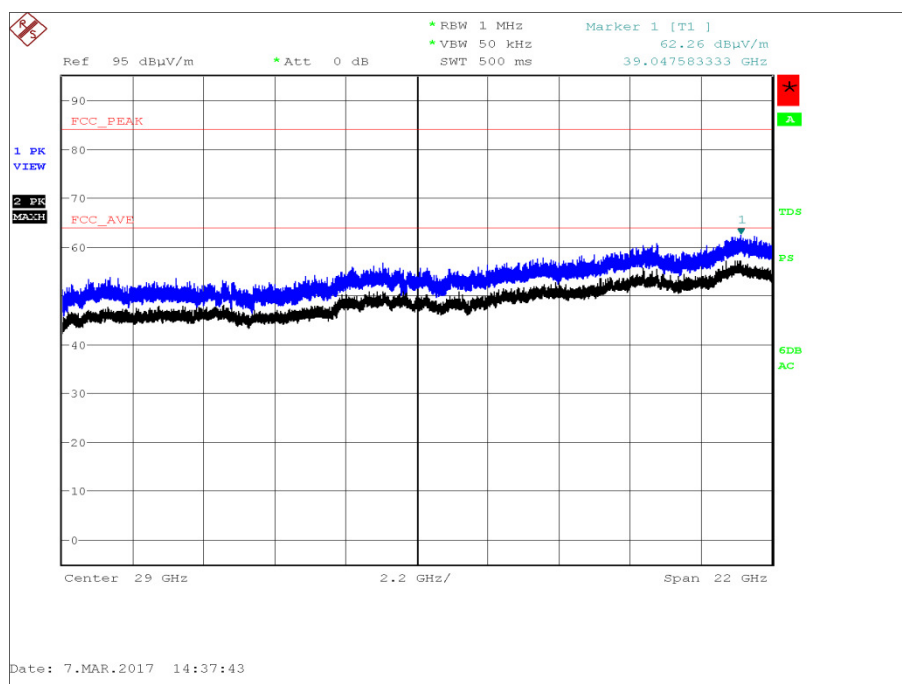


Figure 233 - U-NII 2a - 5320 MHz - 18 GHz to 40 GHz



| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 40.426          | 35.2              | 40.0              | -4.8               | 79         | 1.00       | Vertical   |
| 41.518          | 35.8              | 40.0              | -4.2               | 60         | 1.00       | Vertical   |
| 57.627          | 34.8              | 40.0              | -5.2               | 86         | 1.00       | Vertical   |
| 79.215          | 36.6              | 40.0              | -3.4               | 280        | 1.36       | Vertical   |
| 98.171          | 39.8              | 43.5              | -3.7               | 190        | 1.00       | Vertical   |
| 228.752         | 39.2              | 46.0              | -6.8               | 0          | 1.00       | Horizontal |

Table 142 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz - Emissions Results

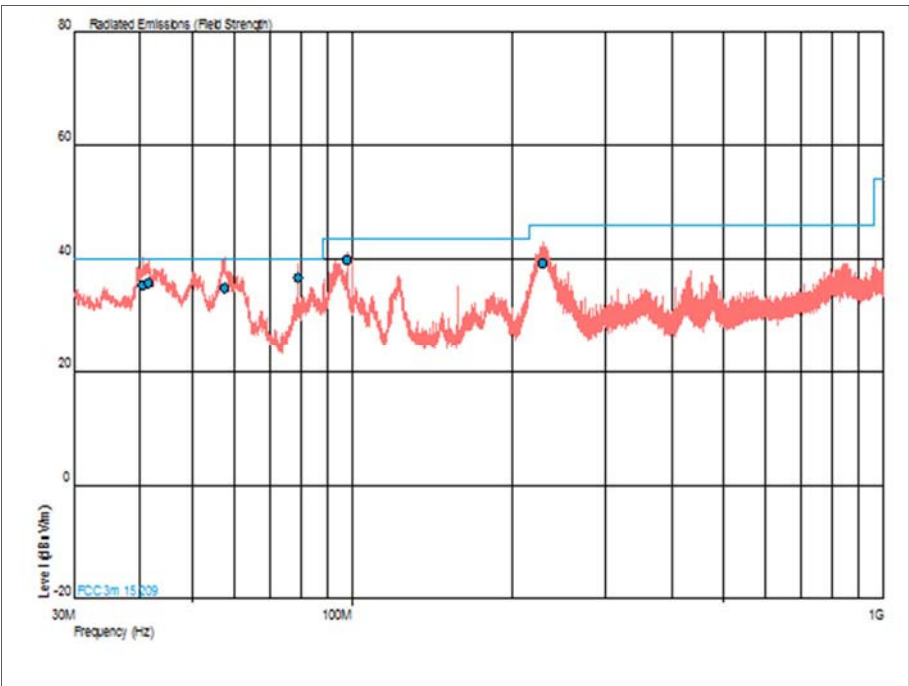


Figure 234 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz

| Frequency (GHz) | Result (µV/m) |         | Limit (µV/m) |         | Margin (µV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

Table 143 - U-NII 2c - 5500 MHz – 1 GHz to 40 GHz - Emissions Results

\*No emissions were detected within 6 dB of the limit.



Product Service

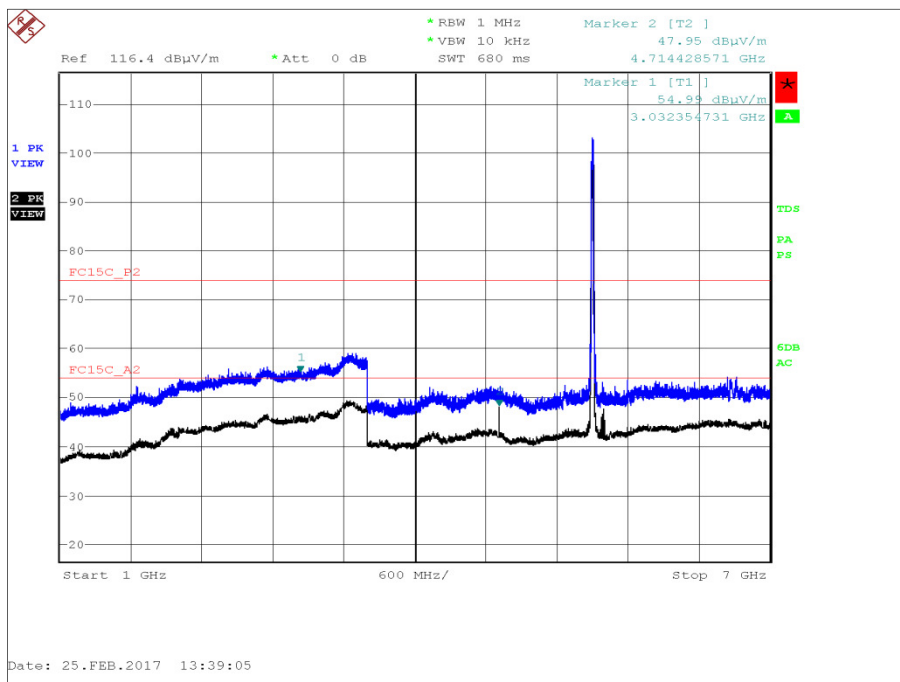


Figure 235 - U-NII 2c - 5500 MHz - 1 GHz to 7 GHz

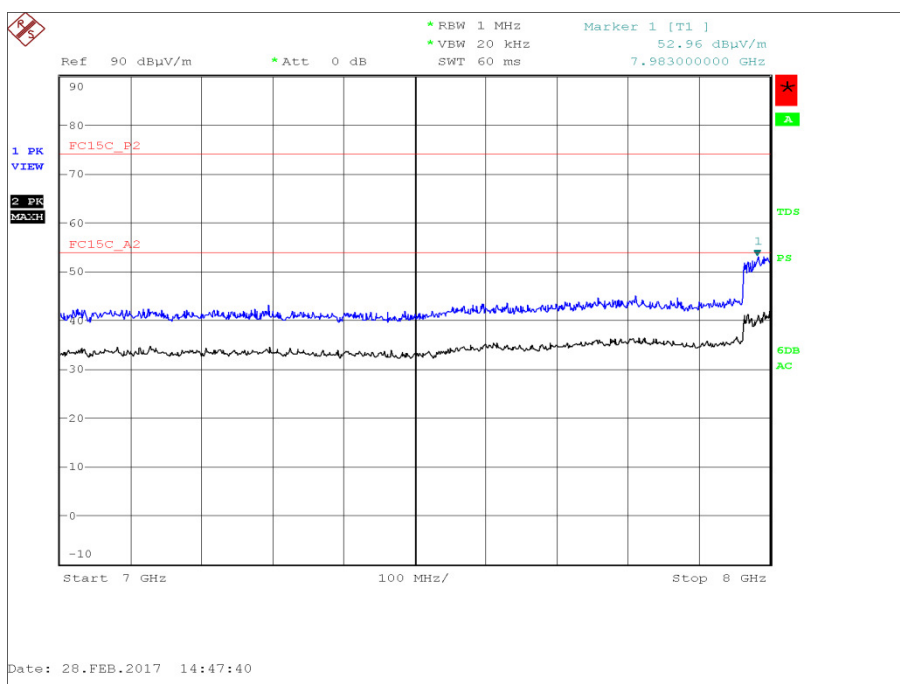


Figure 236 - U-NII 2c - 5500 MHz - 7 GHz to 8 GHz



Product Service

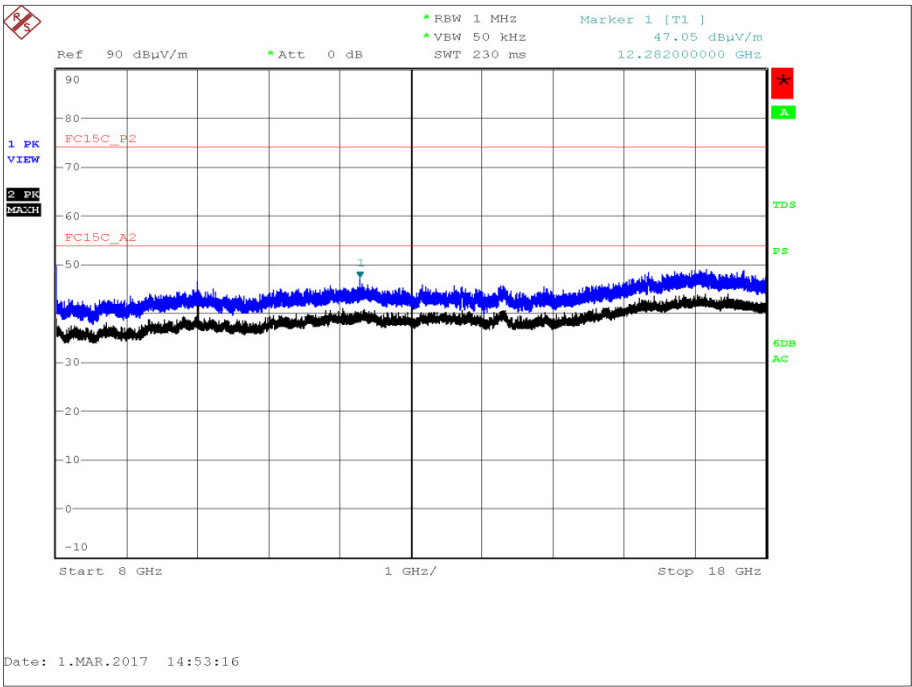


Figure 237 - U-NII 2c - 5500 MHz - 8 GHz to 18 GHz

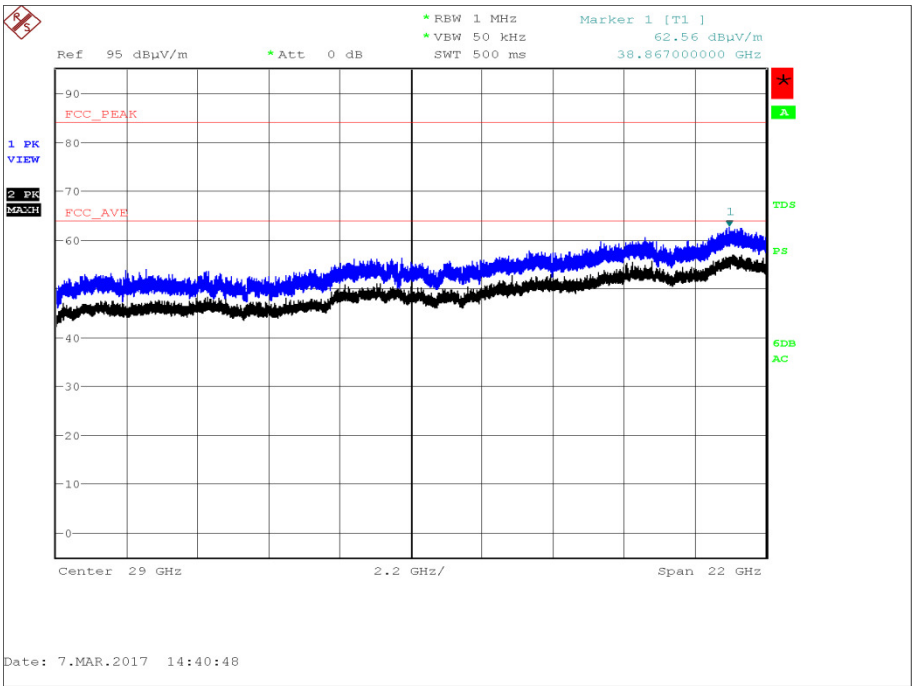
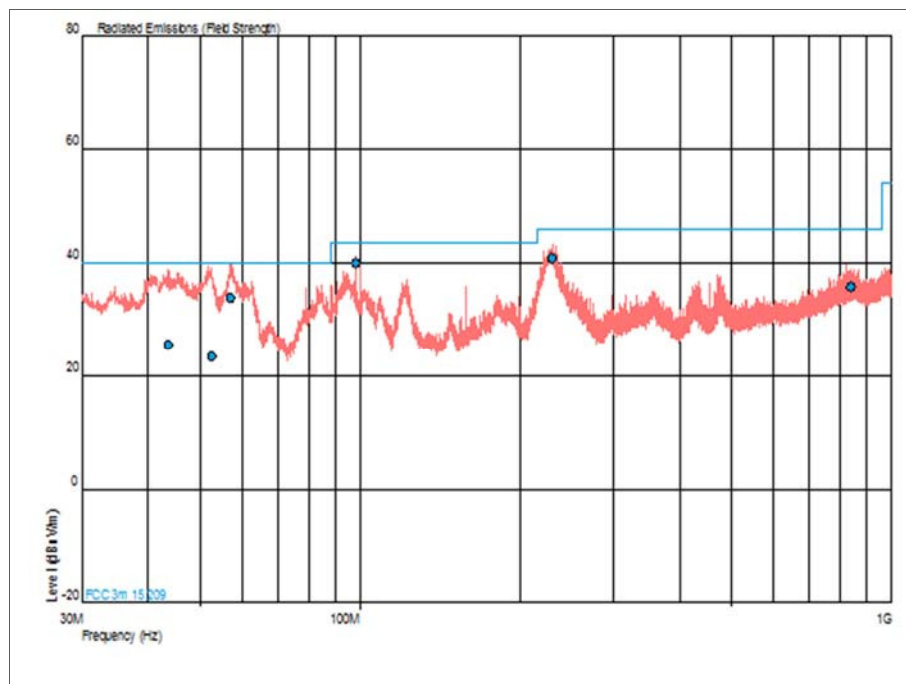


Figure 238 - U-NII 2c - 5500 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 43.639          | 25.5              | 40.0              | -14.5              | 111        | 1.00       | Horizontal |
| 52.577          | 23.4              | 40.0              | -16.6              | 338        | 1.76       | Horizontal |
| 57.013          | 33.9              | 40.0              | -6.1               | 44         | 1.00       | Vertical   |
| 98.224          | 40.0              | 43.5              | -3.5               | 196        | 1.00       | Vertical   |
| 229.701         | 40.9              | 46.0              | -5.1               | 324        | 1.08       | Horizontal |
| 839.098         | 35.7              | 46.0              | -10.3              | 256        | 1.00       | Horizontal |

**Table 144 - U-NII 2c - 5600 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 239 - U-NII 2c - 5600 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

**Table 145 - U-NII 2c - 5600 MHz – 1 GHz to 40 GHz - Emissions Results**

\*No emissions were detected within 6 dB of the limit.

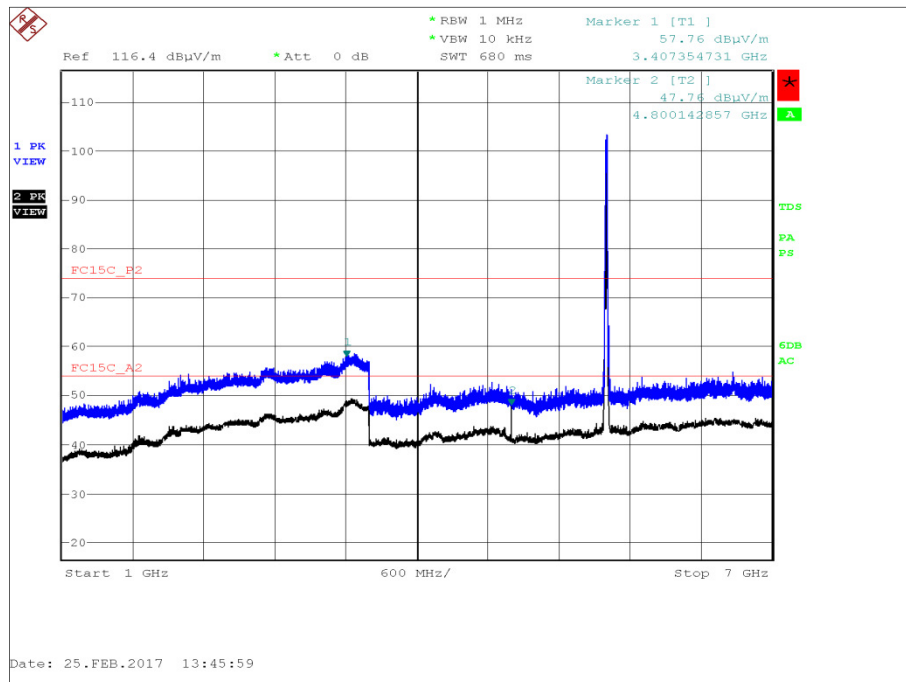


Figure 240 - U-NII 2c - 5600 MHz - 1 GHz to 7 GHz

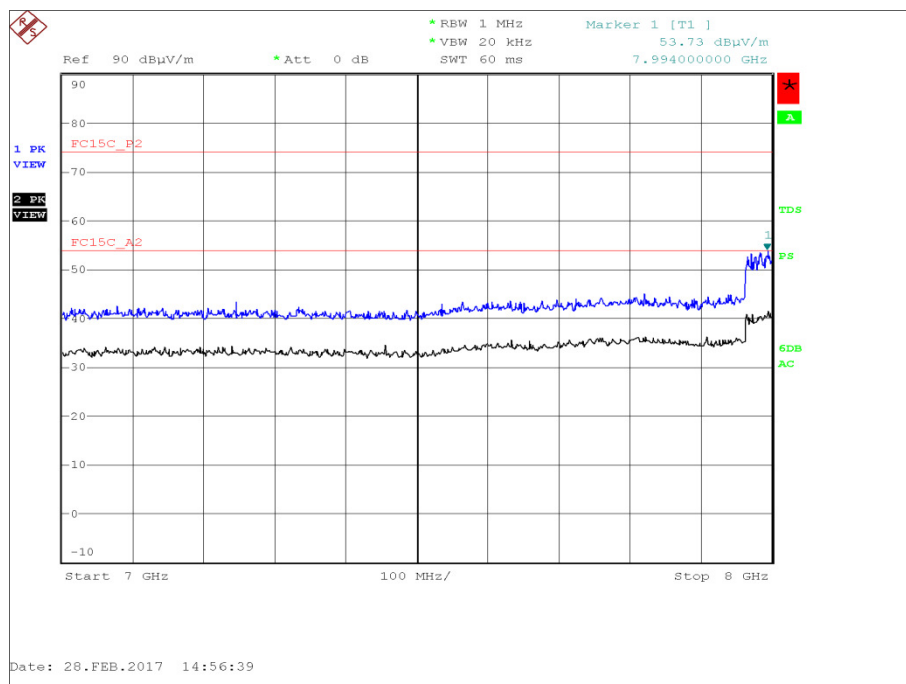


Figure 241 - U-NII 2c - 5600 MHz - 7 GHz to 8 GHz



Product Service

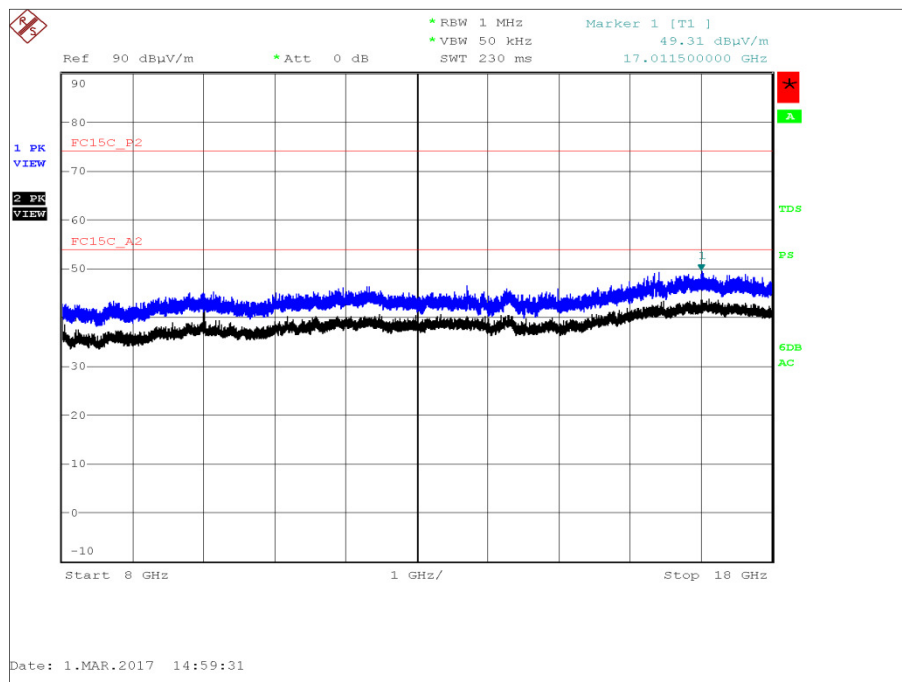


Figure 242 - U-NII 2c - 5600 MHz - 8 GHz to 18 GHz

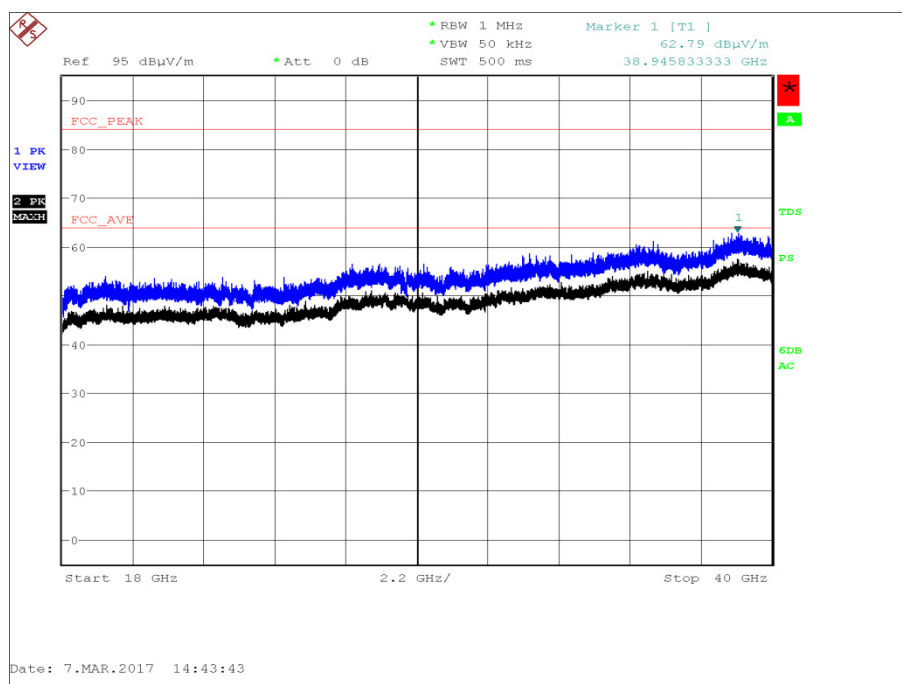
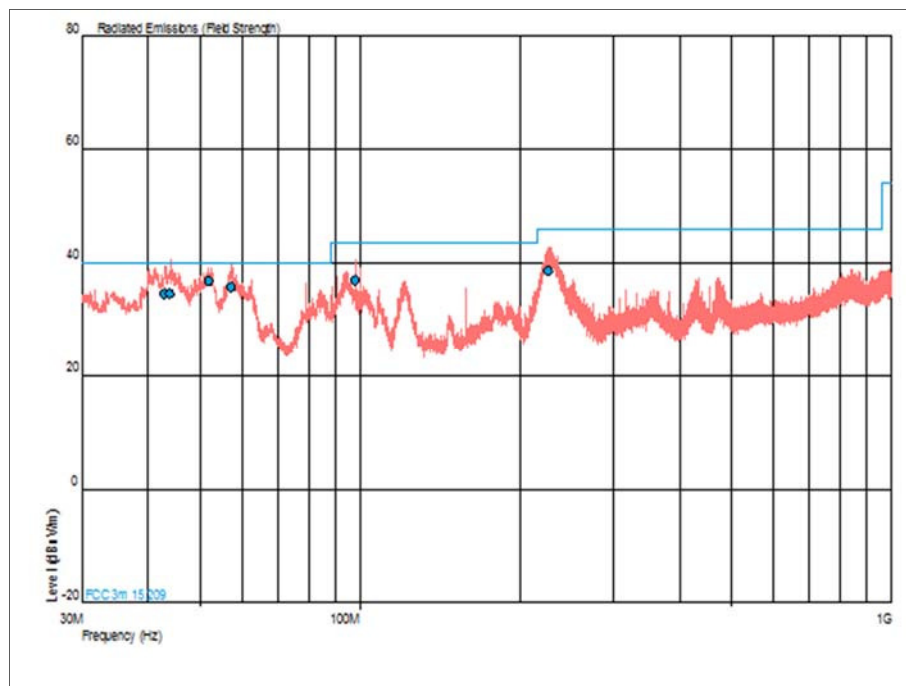


Figure 243 - U-NII 2c - 5600 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 42.964          | 34.5              | 40.0              | -5.5               | 102        | 1.00       | Vertical   |
| 43.986          | 34.6              | 40.0              | -5.4               | 93         | 1.00       | Vertical   |
| 51.972          | 36.8              | 40.0              | -3.2               | 120        | 1.00       | Vertical   |
| 57.217          | 35.8              | 40.0              | -4.2               | 97         | 1.00       | Vertical   |
| 98.163          | 36.9              | 43.5              | -6.6               | 241        | 1.00       | Vertical   |
| 226.380         | 38.7              | 46.0              | -7.3               | 286        | 1.00       | Horizontal |

**Table 146 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 244 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| 4.8858          | 57.74         | 51.89   | 74           | 54      | 16.26         | 2.11    |

**Table 147 - U-NII 2c - 5700 MHz – 1 GHz to 40 GHz - Emissions Results**

No other emissions were detected within 6 dB of the limit.



Product Service

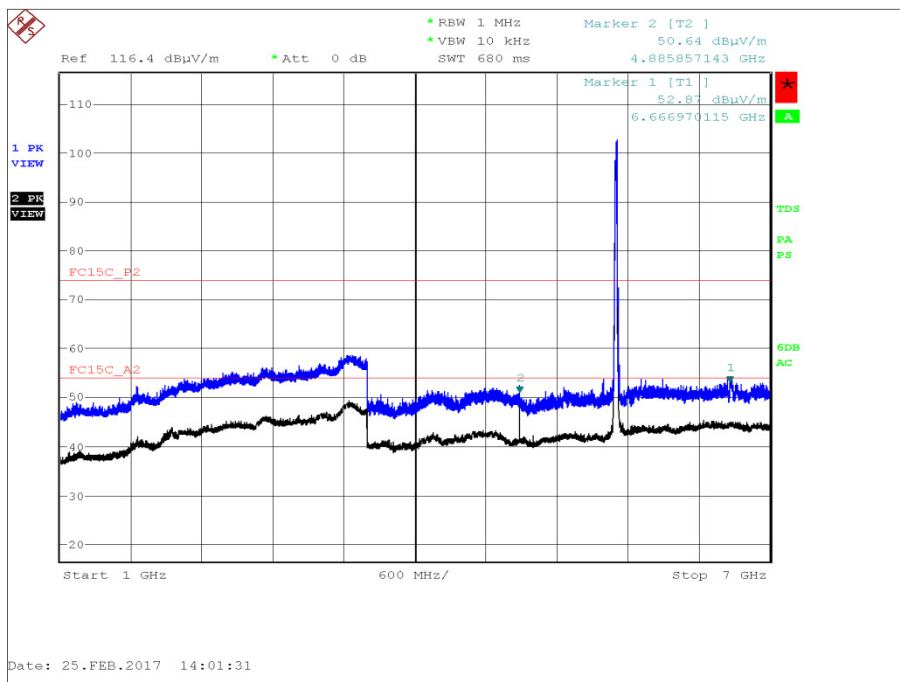


Figure 245 - U-NII 2c - 5700 MHz - 1 GHz to 7 GHz

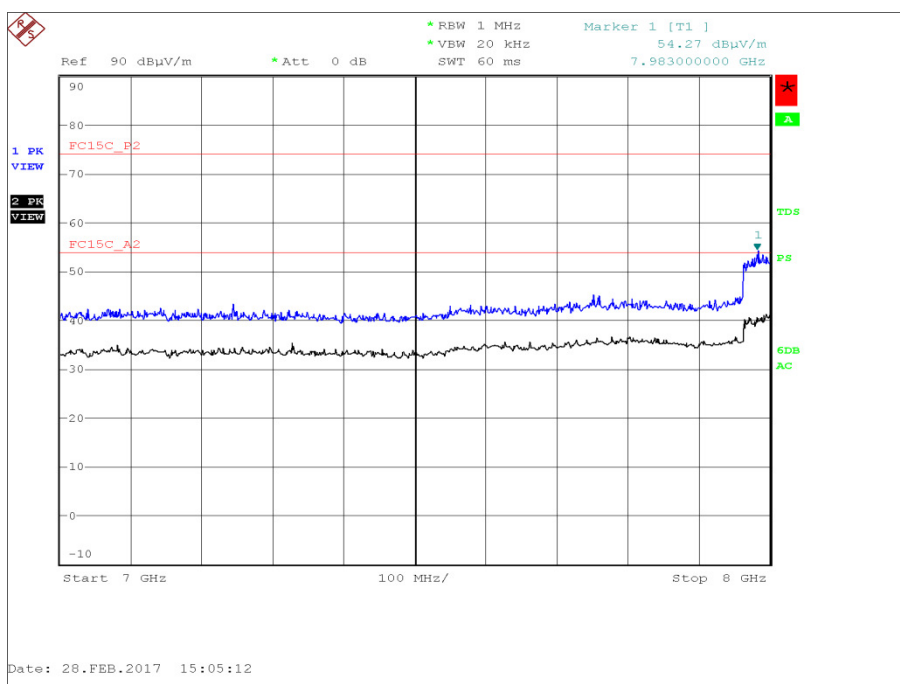


Figure 246 - U-NII 2c - 5700 MHz - 7 GHz to 8 GHz



Product Service

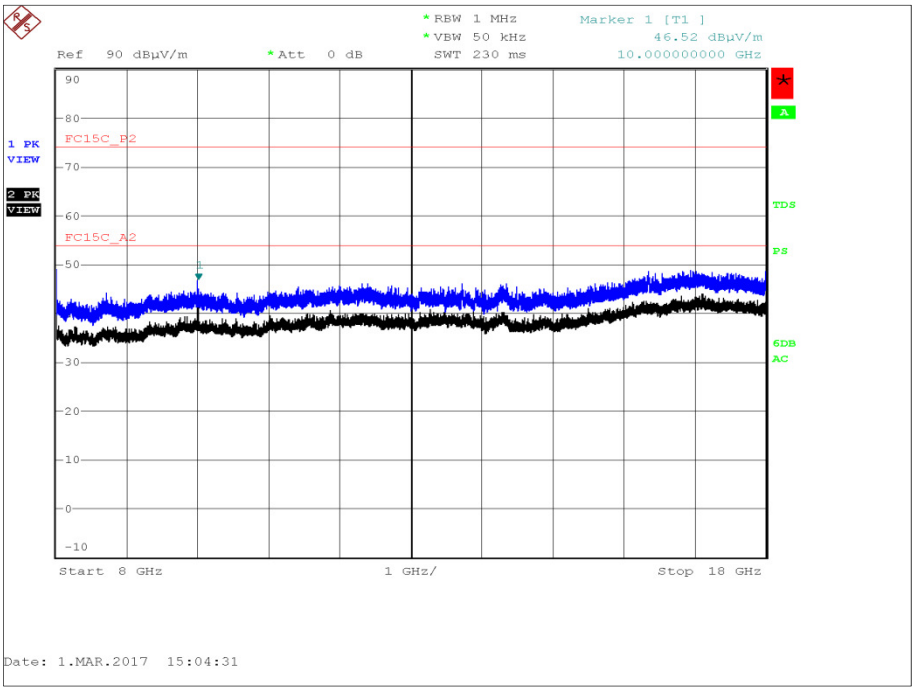


Figure 247 - U-NII 2c - 5700 MHz - 8 GHz to 18 GHz

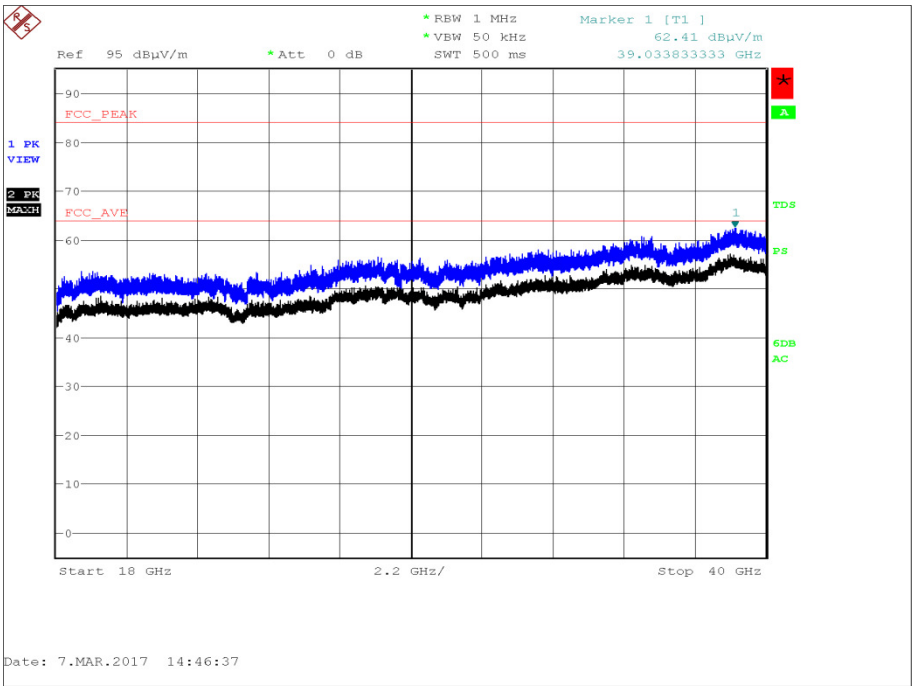
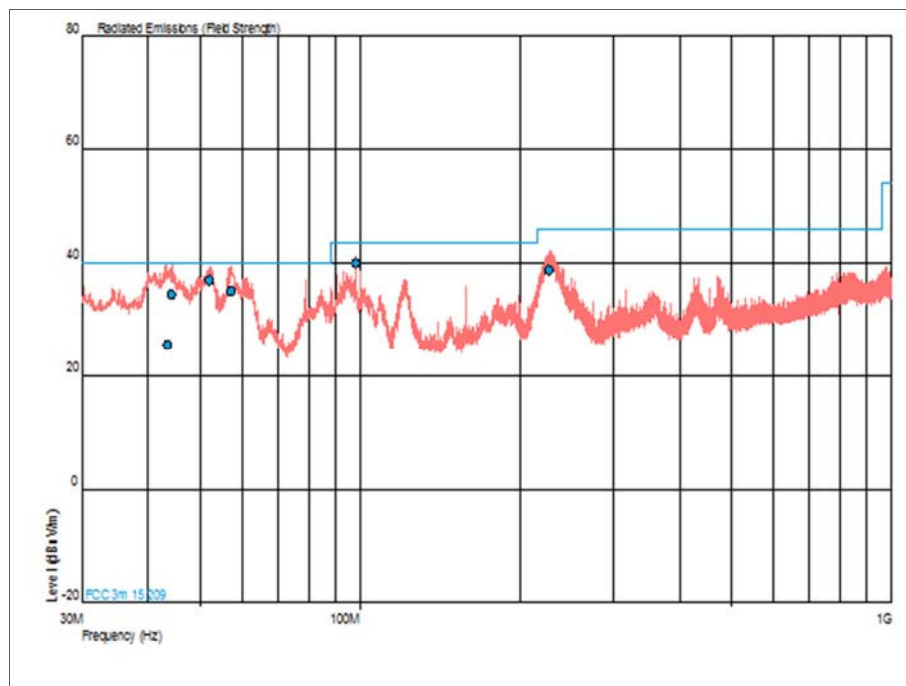


Figure 248 - U-NII 2c - 5700 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 43.549          | 25.4              | 40.0              | -14.6              | 96         | 2.88       | Horizontal |
| 44.262          | 34.4              | 40.0              | -5.6               | 112        | 1.00       | Vertical   |
| 52.071          | 36.9              | 40.0              | -3.1               | 154        | 1.00       | Vertical   |
| 57.293          | 34.9              | 40.0              | -5.1               | 134        | 1.00       | Vertical   |
| 98.210          | 40.0              | 43.5              | -3.5               | 161        | 1.00       | Vertical   |
| 226.751         | 38.7              | 46.0              | -7.3               | 148        | 1.00       | Horizontal |

**Table 148 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 249 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| 4.924           | 57.97         | 53.32   | 74           | 54      | 16.03         | 0.68    |

**Table 149 - U-NII 3 - 5745 MHz – 1 GHz to 40 GHz - Emissions Results**

No other emissions were detected within 6 dB of the limit.



Product Service

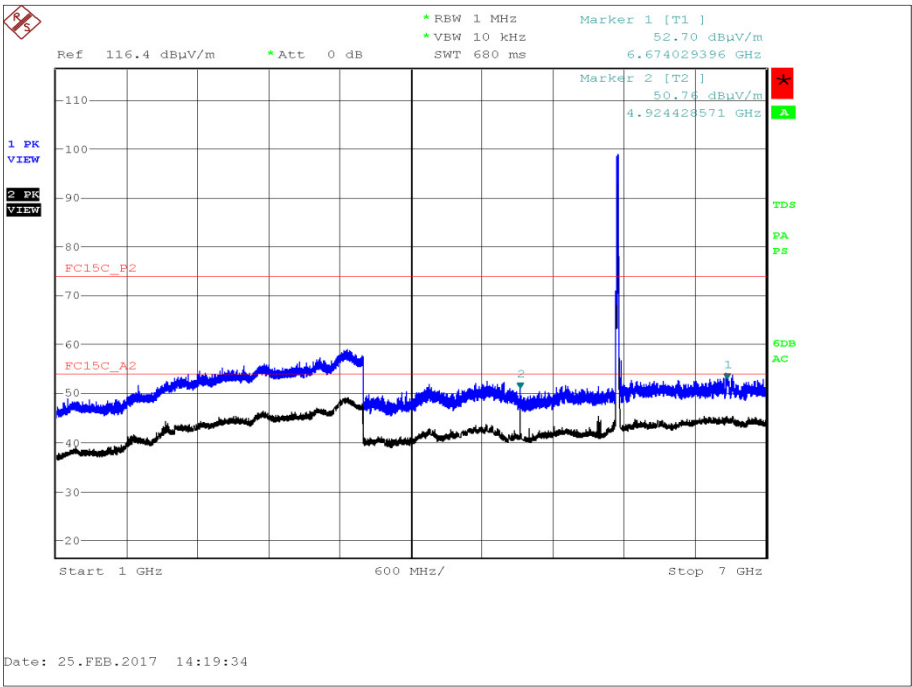


Figure 250 - U-NII 3 - 5745 MHz - 1 GHz to 7 GHz

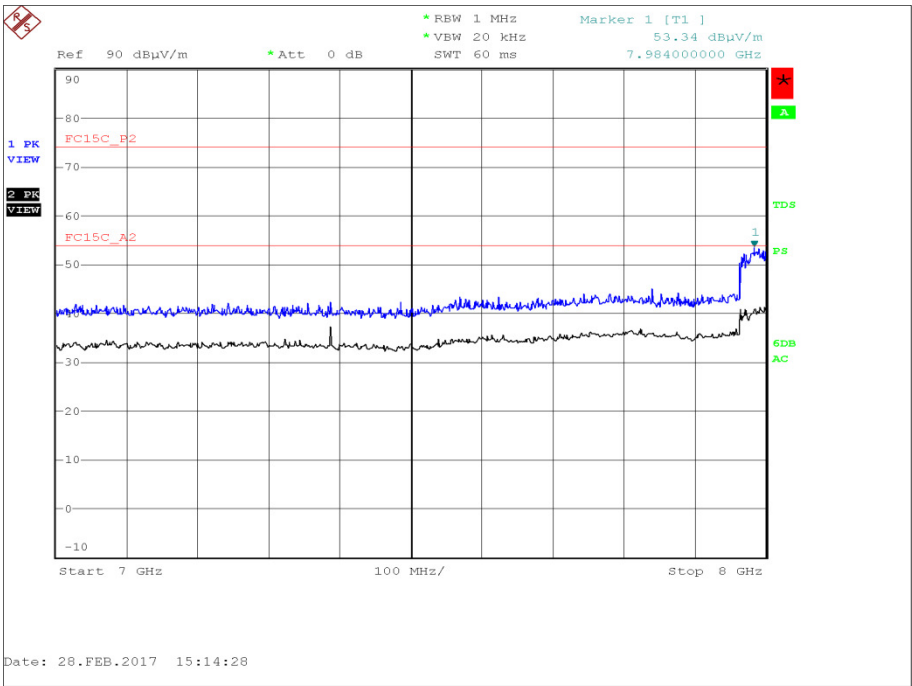


Figure 251 - U-NII 3 - 5745 MHz - 7 GHz to 8 GHz

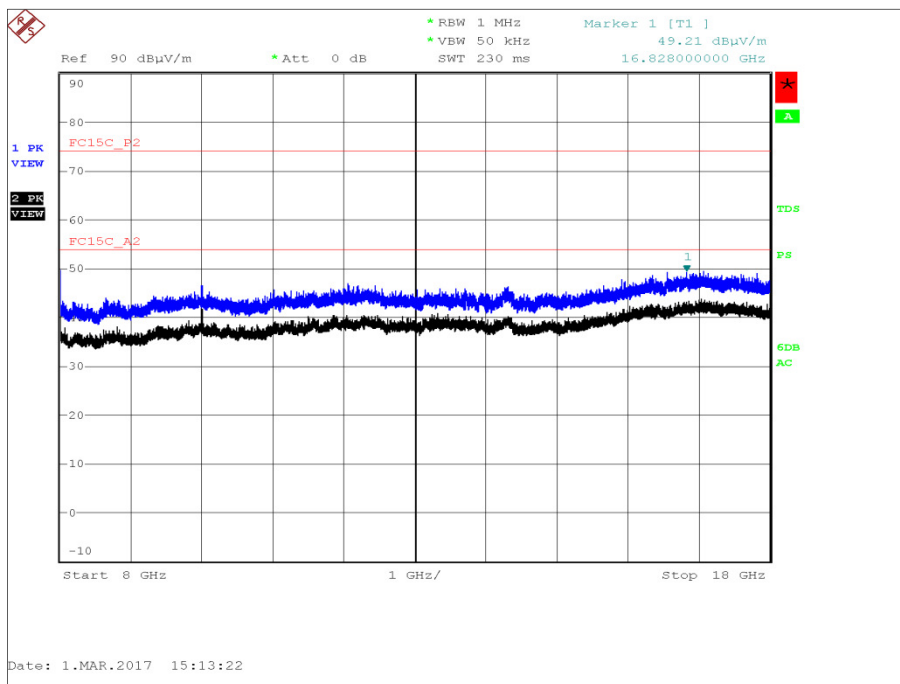


Figure 252 - U-NII 3 - 5745 MHz - 8 GHz to 18 GHz

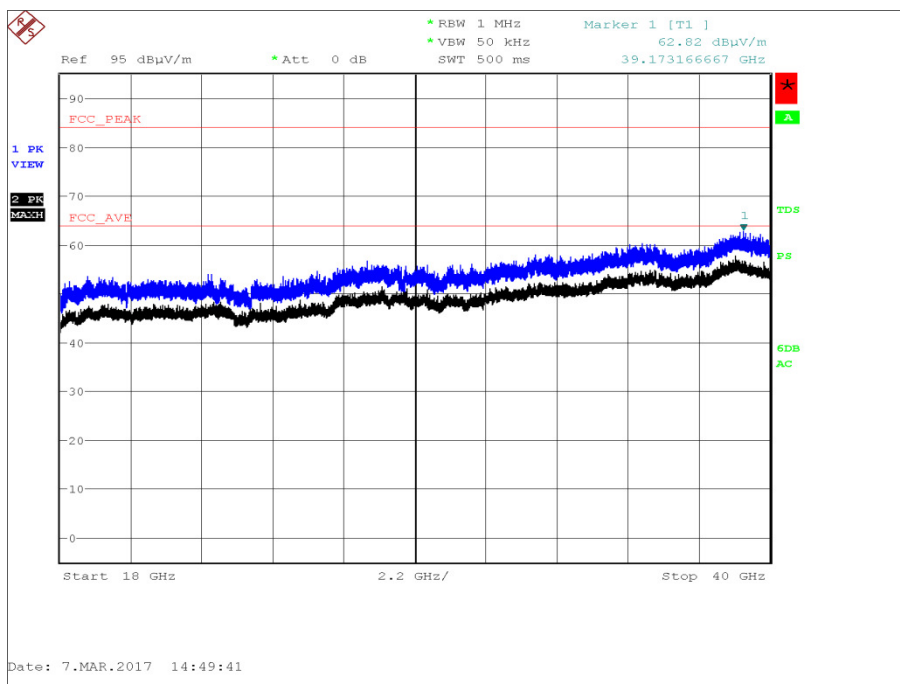
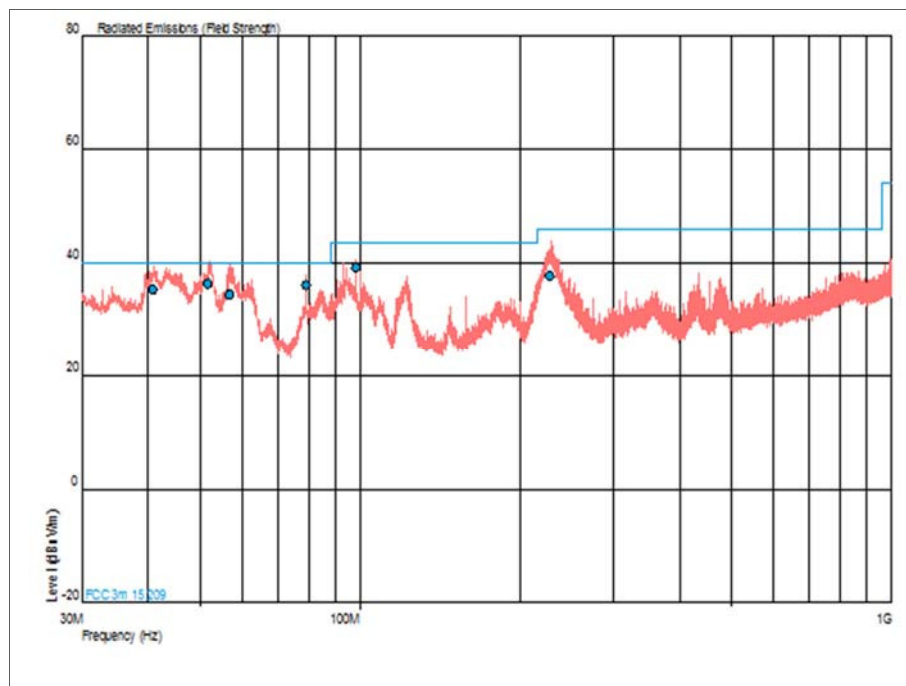


Figure 253 - U-NII 3 - 5745 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 40.811          | 35.2              | 40.0              | -4.8               | 49         | 1.00       | Vertical   |
| 51.747          | 36.4              | 40.0              | -3.6               | 134        | 1.00       | Vertical   |
| 56.825          | 34.4              | 40.0              | -5.6               | 71         | 1.00       | Vertical   |
| 79.211          | 36.1              | 40.0              | -3.9               | 298        | 1.00       | Vertical   |
| 98.212          | 39.2              | 43.5              | -4.3               | 153        | 1.00       | Vertical   |
| 227.834         | 37.7              | 46.0              | -8.3               | 359        | 1.69       | Horizontal |

**Table 150 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 254 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| 4.958           | 57.66         | 53.00   | 74.00        | 54.00   | 16.34         | 1.00    |

**Table 151 - U-NII 3 - 5785 MHz – 1 GHz to 40 GHz - Emissions Results**

\*No other emissions were detected within 6 dB of the limit.



Product Service

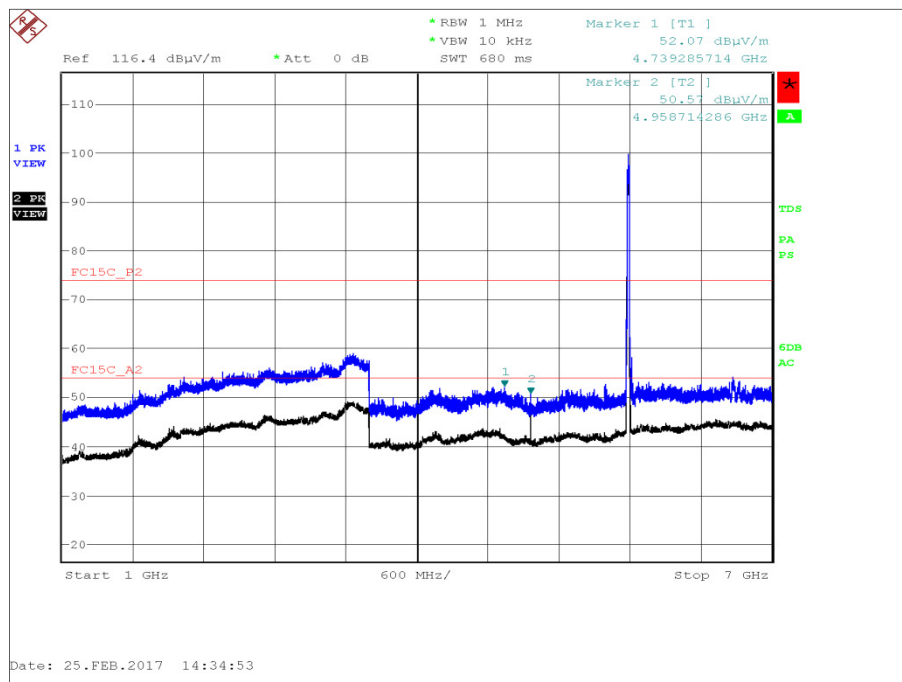


Figure 255 - U-NII 3 - 5785 MHz - 1 GHz to 7 GHz

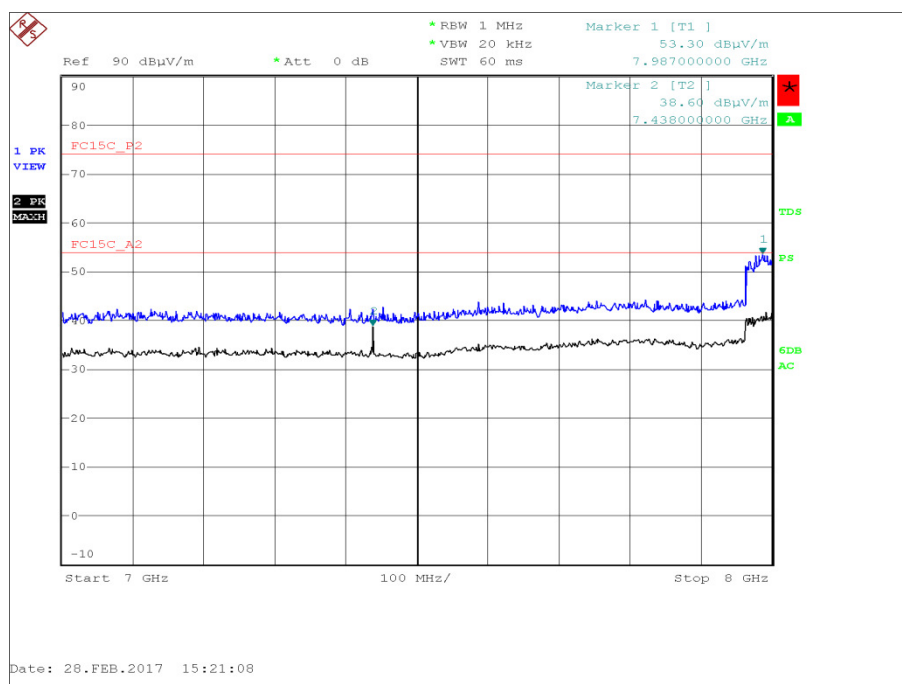


Figure 256 - U-NII 3 - 5785 MHz - 7 GHz to 8 GHz



Product Service

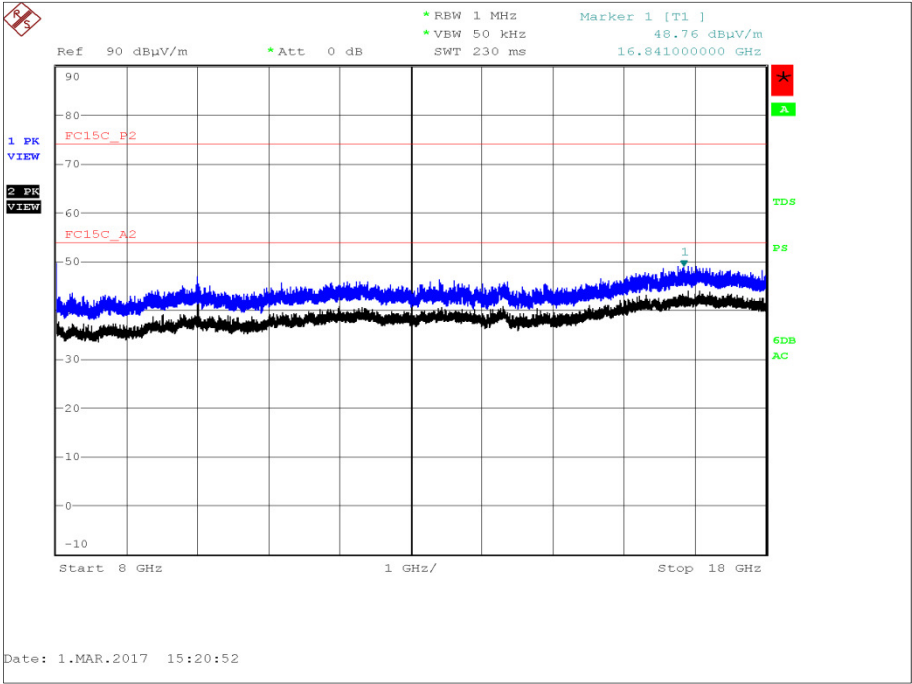


Figure 257 - U-NII 3 - 5785 MHz - 8 GHz to 18 GHz

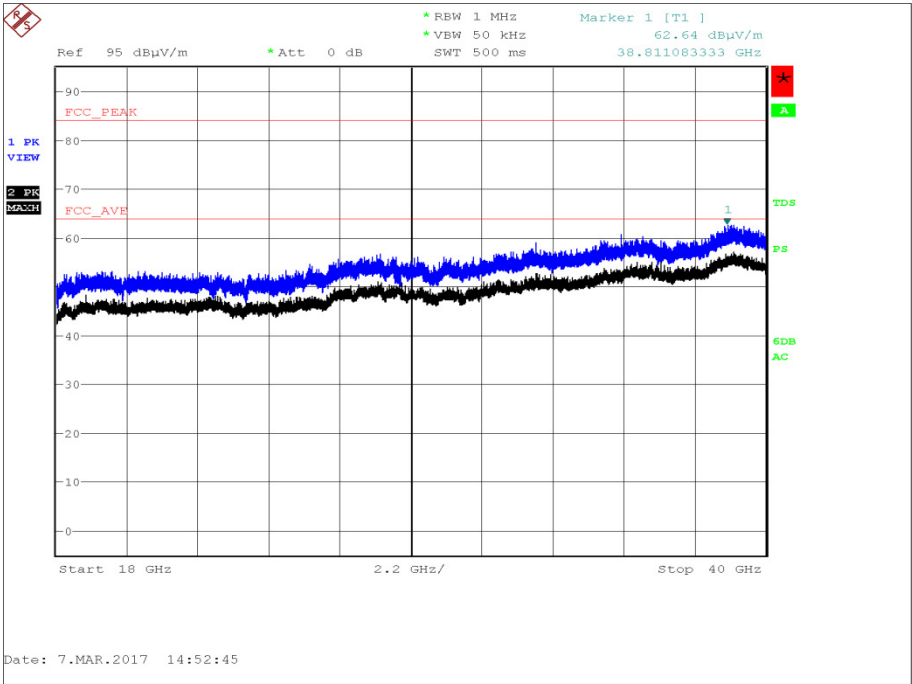


Figure 258 - U-NII 3 - 5785 MHz - 18 GHz to 40 GHz



| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 40.295          | 27.5              | 40.0              | -12.5              | 99         | 2.48       | Horizontal |
| 43.158          | 33.5              | 40.0              | -6.5               | 149        | 1.00       | Vertical   |
| 51.879          | 36.7              | 40.0              | -3.3               | 150        | 1.00       | Vertical   |
| 57.824          | 32.4              | 40.0              | -7.6               | 13         | 1.00       | Vertical   |
| 98.315          | 33.0              | 43.5              | -10.5              | 176        | 1.00       | Vertical   |
| 230.228         | 38.3              | 46.0              | -7.7               | 360        | 1.00       | Horizontal |

Table 152 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz - Emissions Results

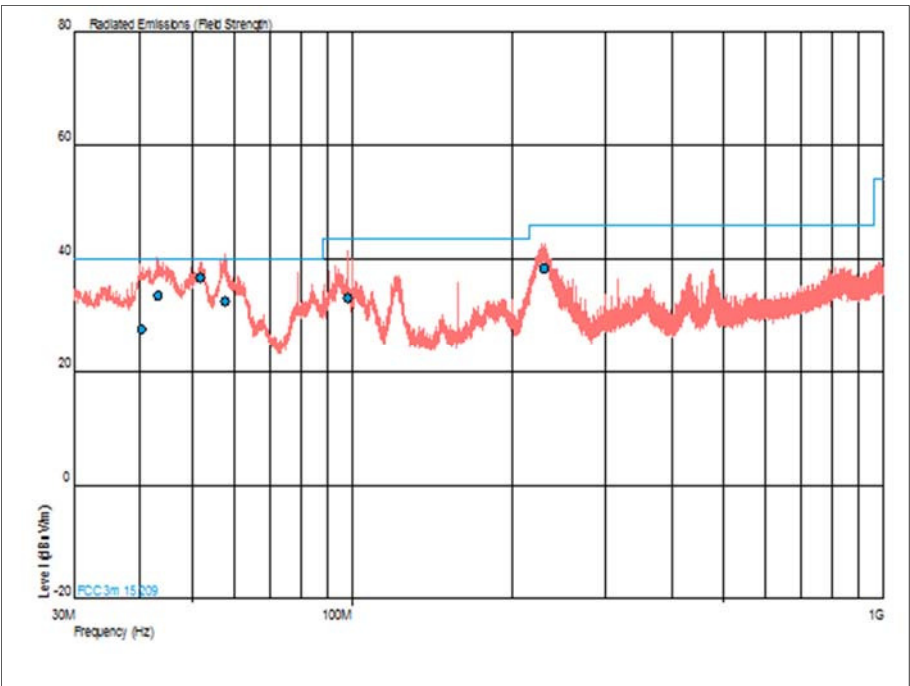


Figure 259 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz

| Frequency (GHz) | Result (µV/m) |         | Limit (µV/m) |         | Margin (µV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

Table 153 - U-NII 3 - 5825 MHz - 1 GHz to 40 GHz - Emissions Results

\*No emissions were detected within 6 dB of the limit.



Product Service

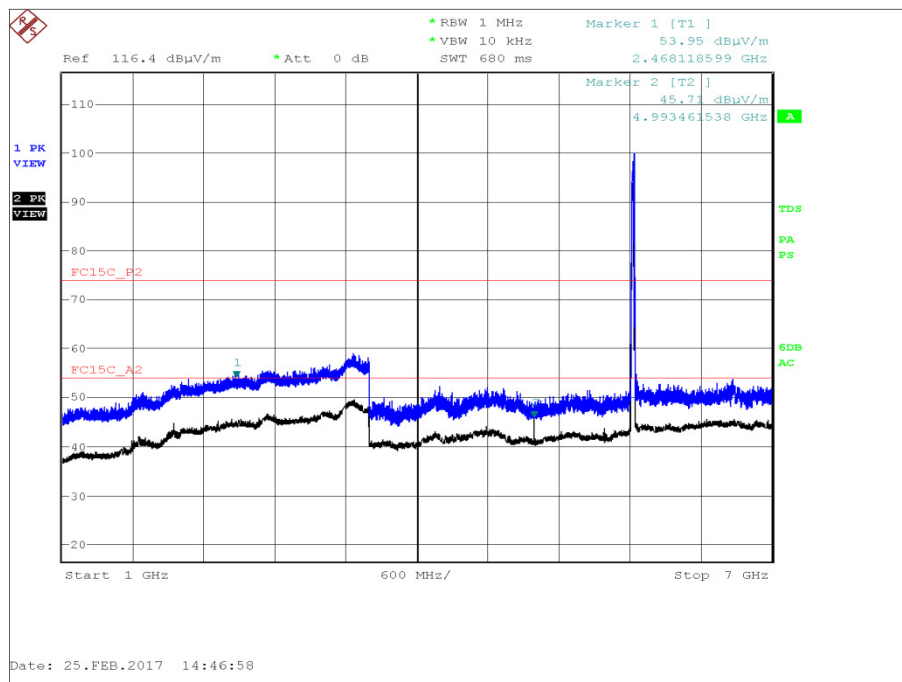


Figure 260 - U-NII 3 - 5825 MHz - 1 GHz to 7 GHz

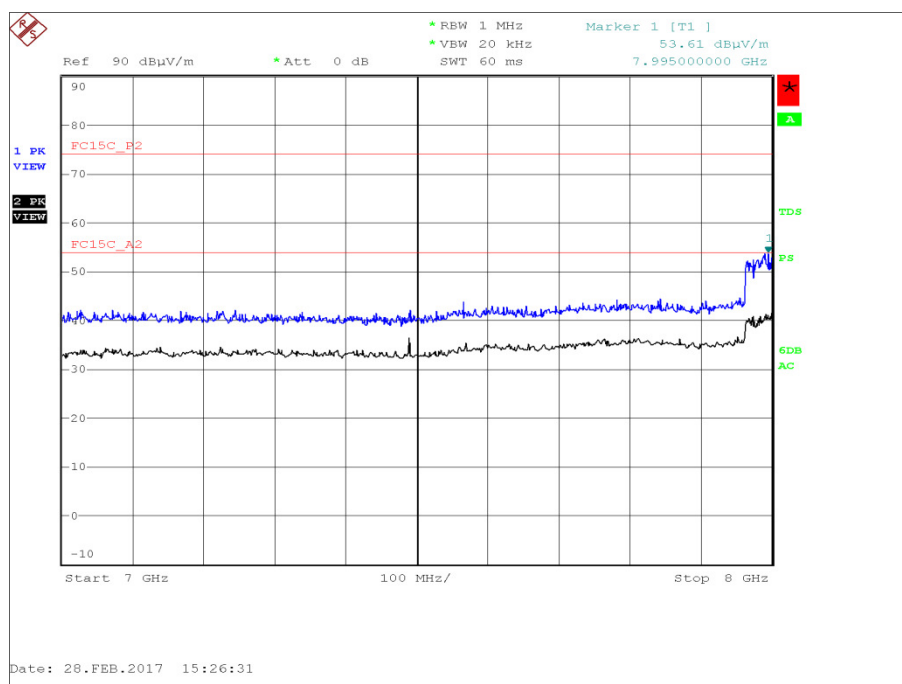


Figure 261 - U-NII 3 - 5825 MHz - 7 GHz to 8 GHz



Product Service

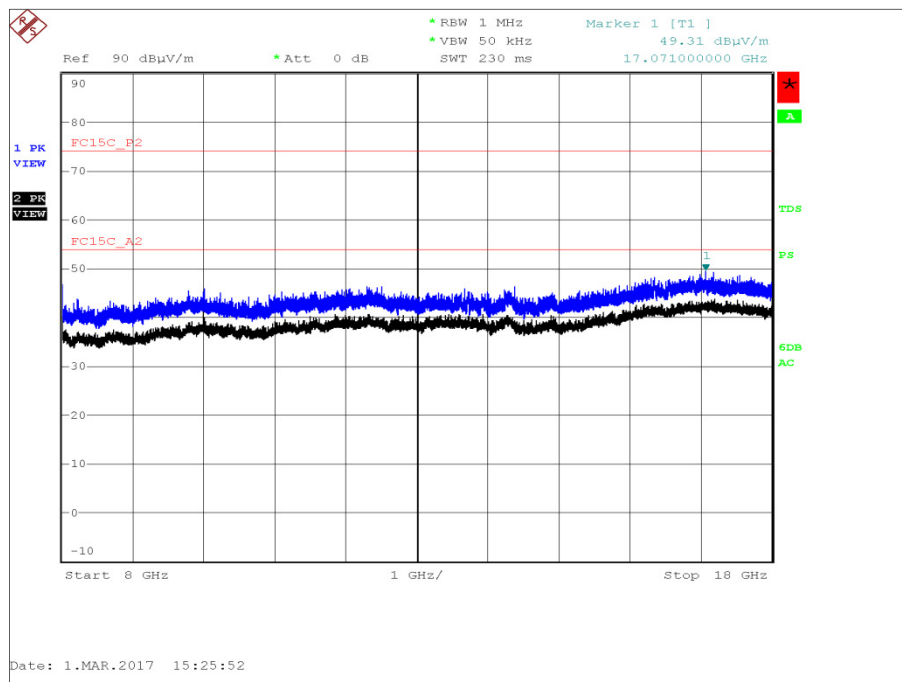


Figure 262 - U-NII 3 - 5825 MHz - 8 GHz to 18 GHz

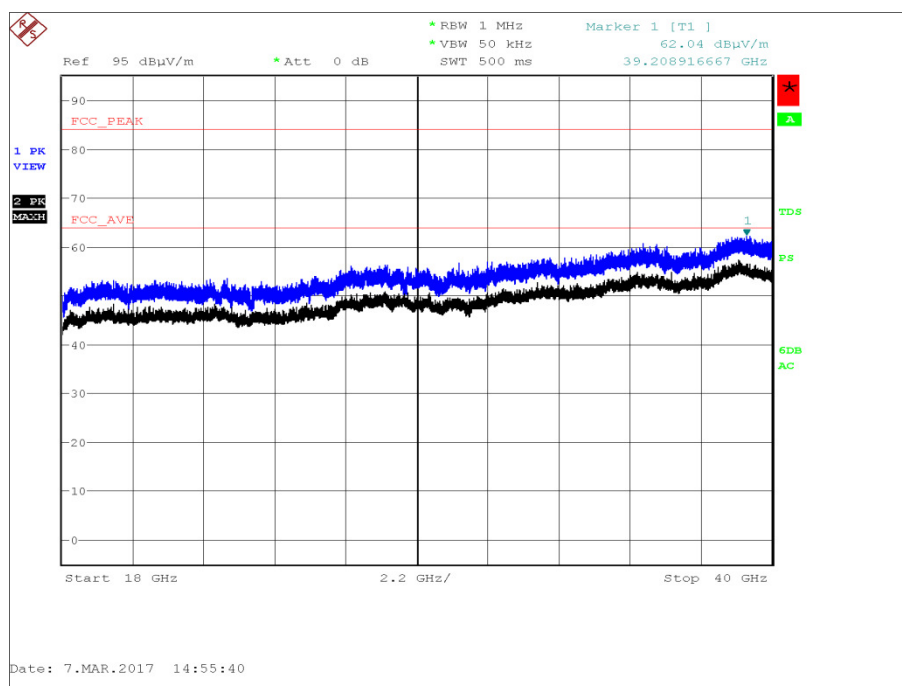


Figure 263 - U-NII 3 - 5825 MHz - 18 GHz to 40 GHz



FCC 47 CFR Part 15E, Limit Clause 15.209

| Frequency (MHz) | Field Strength (µV/m) | Measurement Distance (m) |
|-----------------|-----------------------|--------------------------|
| 0.009 to 0.490  | 2400/F(kHz)           | 300                      |
| 0.490 to 1.705  | 24000/F(kHz)          | 30                       |
| 1.705 to 30     | 30                    | 30                       |
| 30 to 88        | 100                   | 3                        |
| 88 to 216       | 150                   | 3                        |
| 216 to 960      | 200                   | 3                        |
| Above 960       | 500                   | 3                        |

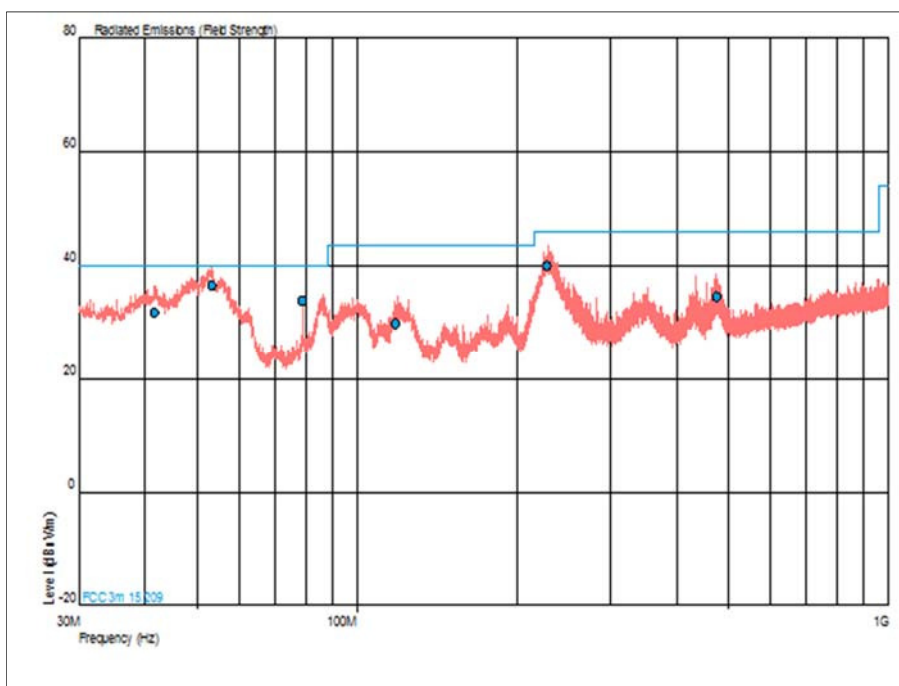
Table 154

### 802.11n (20 MHz Bandwidth)

Testing was performed on the modulation coding scheme which resulted in the highest conducted output power. The modulation coding scheme used during testing was MCS8.

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 41.650          | 31.7              | 40.0              | -8.3               | 360        | 1.00       | Vertical   |
| 53.293          | 36.5              | 40.0              | -3.5               | 237        | 1.00       | Vertical   |
| 79.192          | 33.8              | 40.0              | -6.2               | 174        | 1.00       | Vertical   |
| 118.154         | 29.7              | 43.5              | -13.8              | 80         | 1.00       | Vertical   |
| 228.103         | 40.0              | 46.0              | -6.0               | 196        | 1.67       | Horizontal |
| 475.076         | 34.6              | 46.0              | -11.4              | 0          | 1.00       | Vertical   |

**Table 155 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 264 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

**Table 156 - U-NII 1 - 5180 MHz - 1 GHz to 40 GHz - Emissions Results**

\*No emissions were detected within 6 dB of the limit.

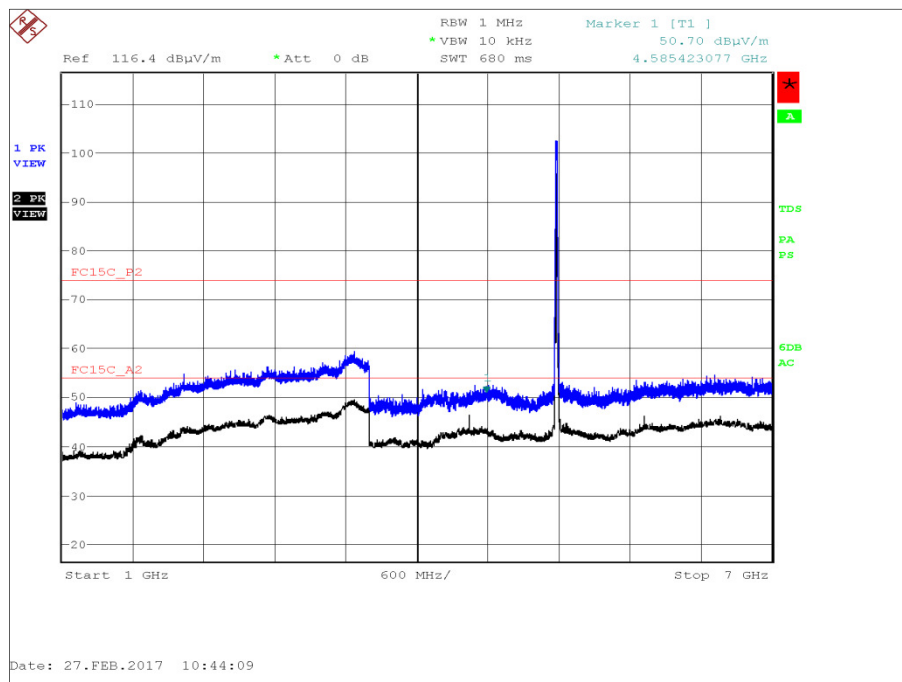


Figure 265 - U-NII 1 - 5180 MHz - 1 GHz to 7 GHz

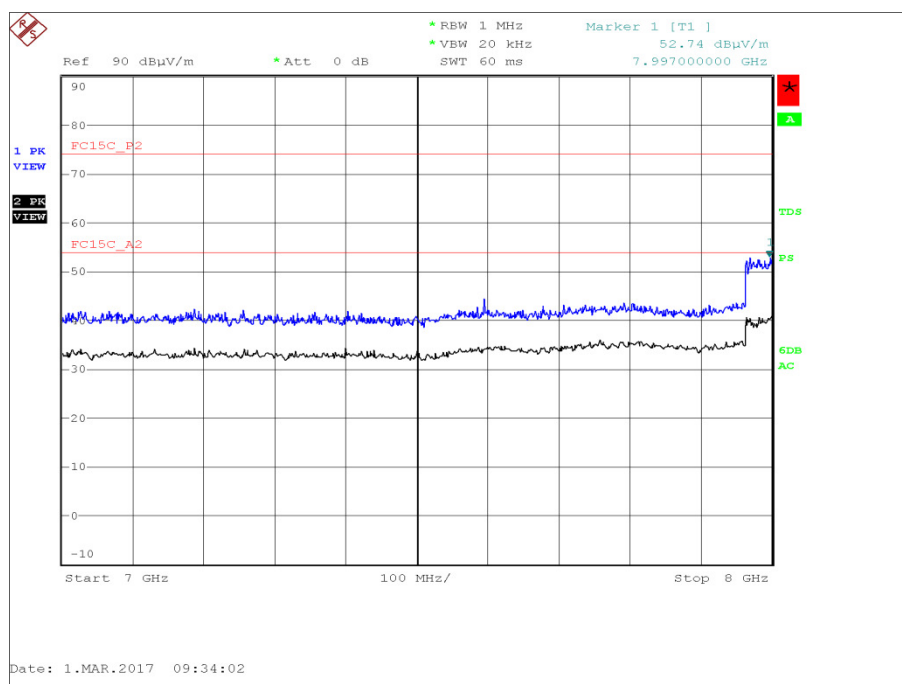


Figure 266 - U-NII 1 - 5180 MHz - 7 GHz to 8 GHz

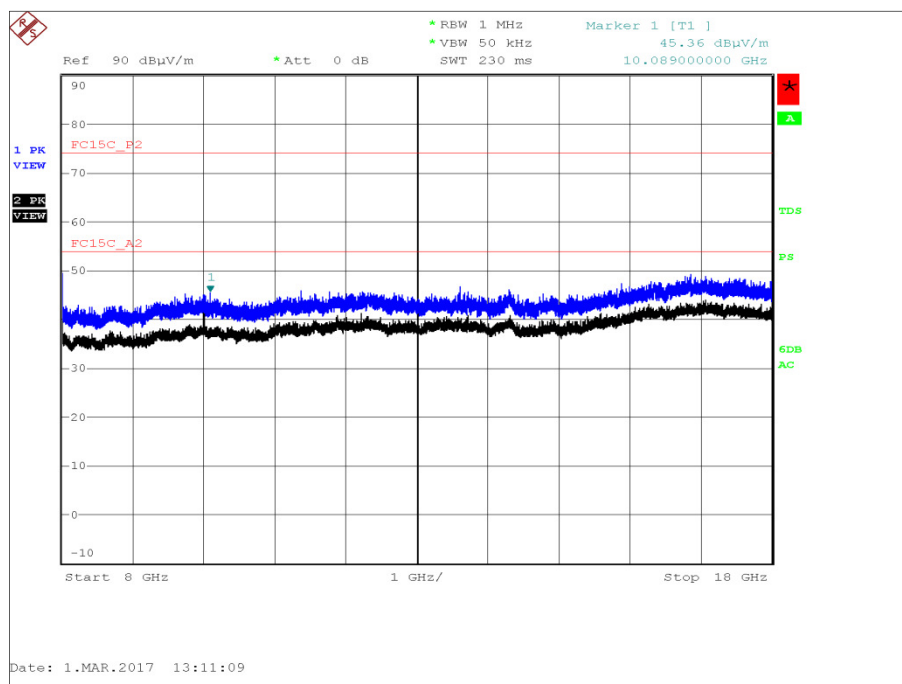


Figure 267 - U-NII 1 - 5180 MHz - 8 GHz to 18 GHz

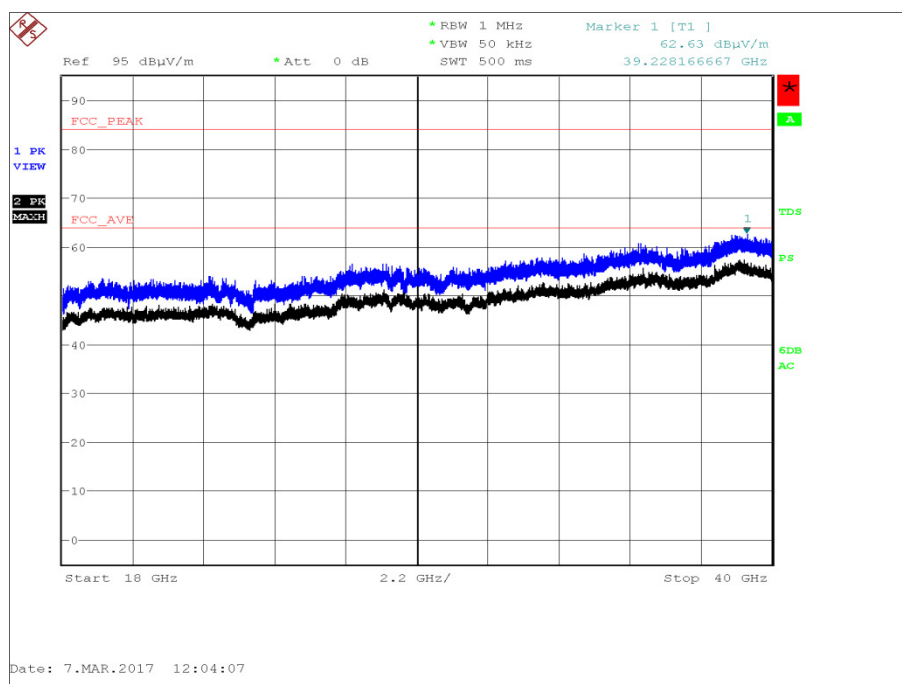
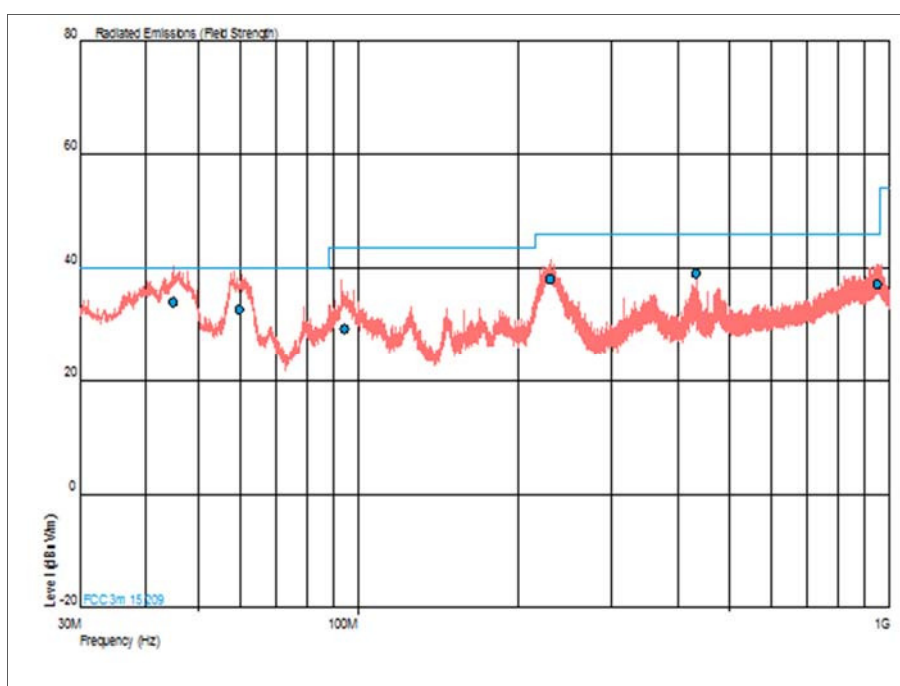


Figure 268 - U-NII 1 - 5180 MHz - 18 GHz to 40 GHz



| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 45.019          | 33.9              | 40.0              | -6.1               | 151        | 1.00       | Vertical   |
| 59.729          | 32.7              | 40.0              | -7.3               | 109        | 1.00       | Vertical   |
| 94.516          | 29.2              | 43.5              | -14.3              | 105        | 1.00       | Vertical   |
| 230.420         | 38.0              | 46.0              | -8.0               | 312        | 1.00       | Horizontal |
| 432.003         | 39.0              | 46.0              | -7.0               | 0          | 1.00       | Vertical   |
| 950.394         | 37.1              | 46.0              | -8.9               | 360        | 1.00       | Vertical   |

**Table 157 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 269 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

**Table 158 - U-NII 1 - 5200 MHz - 1 GHz to 40 GHz - Emissions Results**

\*No emissions were detected within 6 dB of the limit.

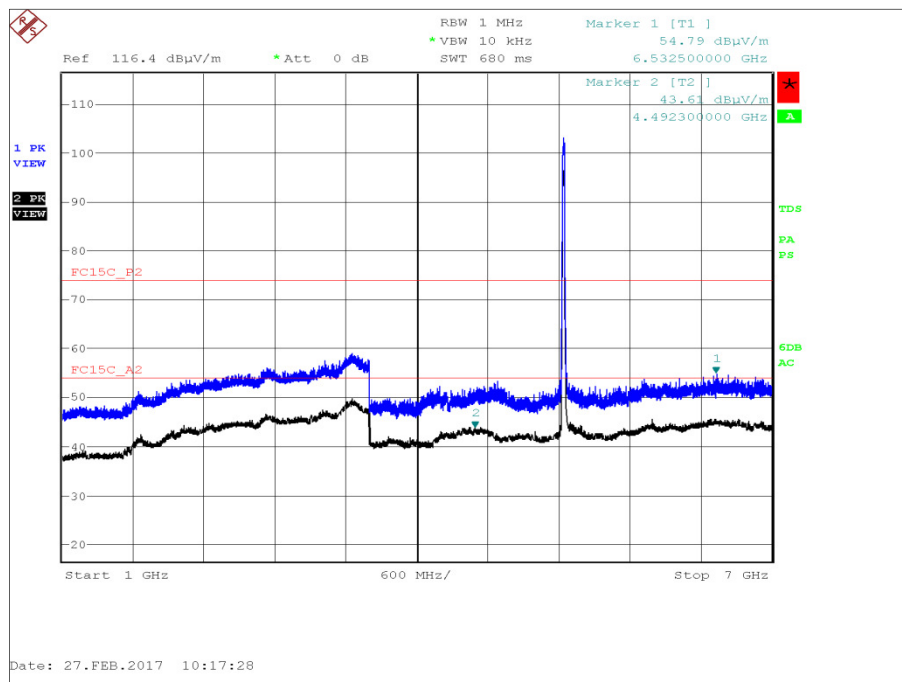


Figure 270 - U-NII 1 - 5200 MHz - 1 GHz to 7 GHz

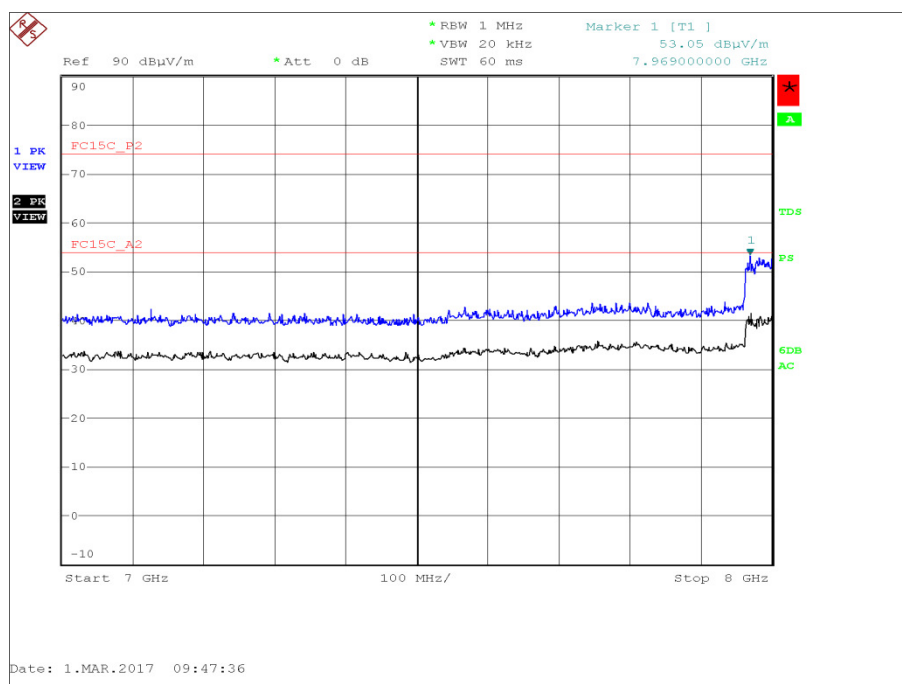


Figure 271 - U-NII 1 - 5200 MHz - 7 GHz to 8 GHz

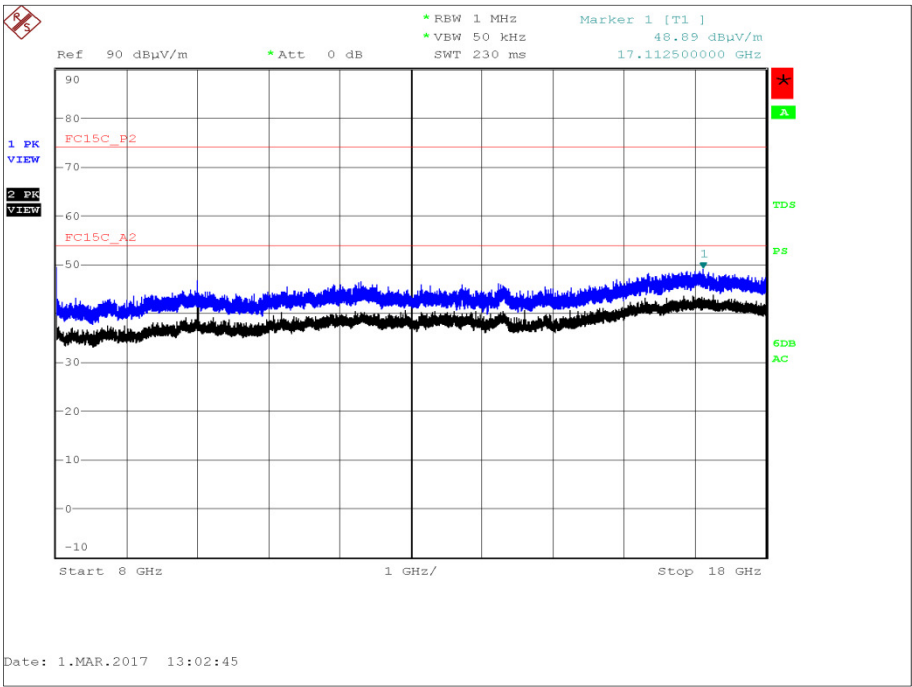


Figure 272 - U-NII 1 - 5200 MHz - 8 GHz to 18 GHz

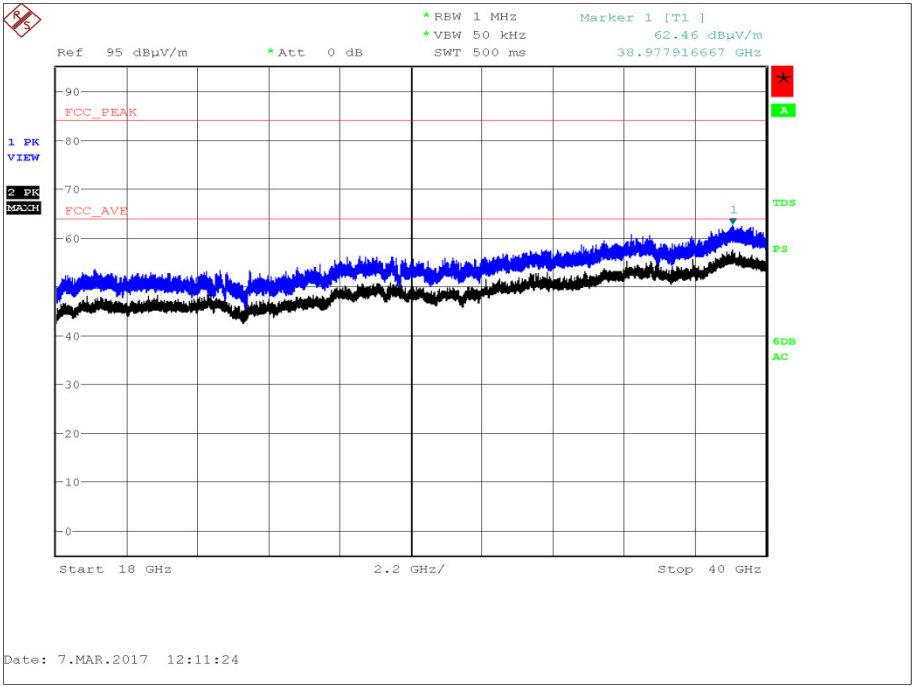
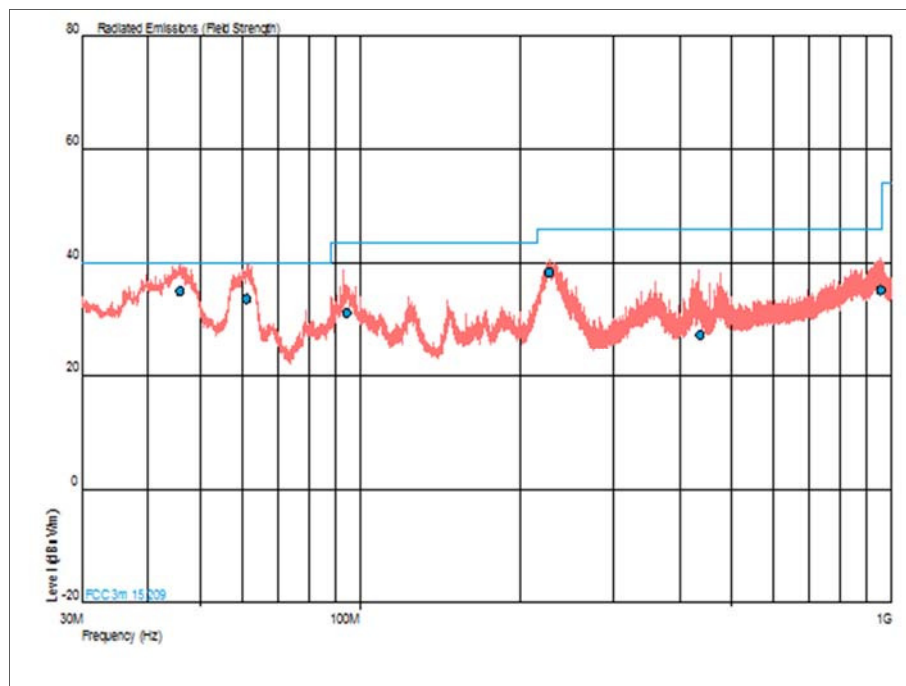


Figure 273 - U-NII 1 - 5200 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 45.810          | 34.9              | 40.0              | -5.1               | 84         | 1.00       | Vertical   |
| 61.253          | 33.7              | 40.0              | -6.3               | 79         | 1.00       | Vertical   |
| 94.498          | 31.1              | 43.5              | -12.4              | 315        | 1.00       | Vertical   |
| 227.122         | 38.2              | 46.0              | -7.8               | 342        | 1.00       | Horizontal |
| 436.479         | 27.3              | 46.0              | -18.7              | 166        | 1.00       | Horizontal |
| 956.628         | 35.2              | 46.0              | -10.8              | 272        | 1.00       | Horizontal |

**Table 159 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 274 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

**Table 160 - U-NII 1 - 5240 MHz - 1 GHz to 40 GHz - Emissions Results**

\*No emissions were detected within 6 dB of the limit.

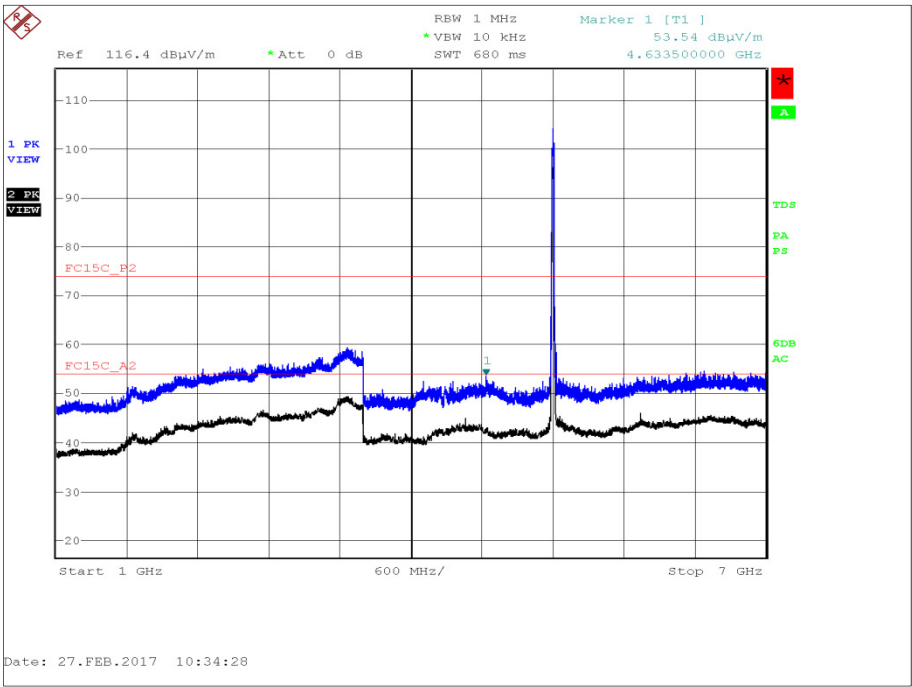


Figure 275 - U-NII 1 - 5240 MHz - 1 GHz to 7 GHz

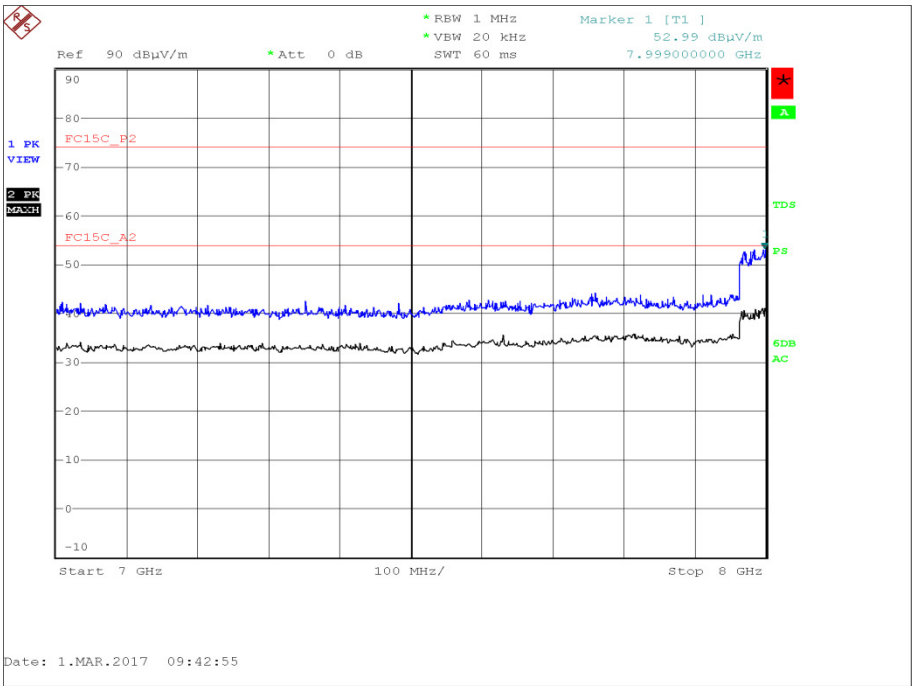


Figure 276 - U-NII 1 - 5240 MHz - 7 GHz to 8 GHz

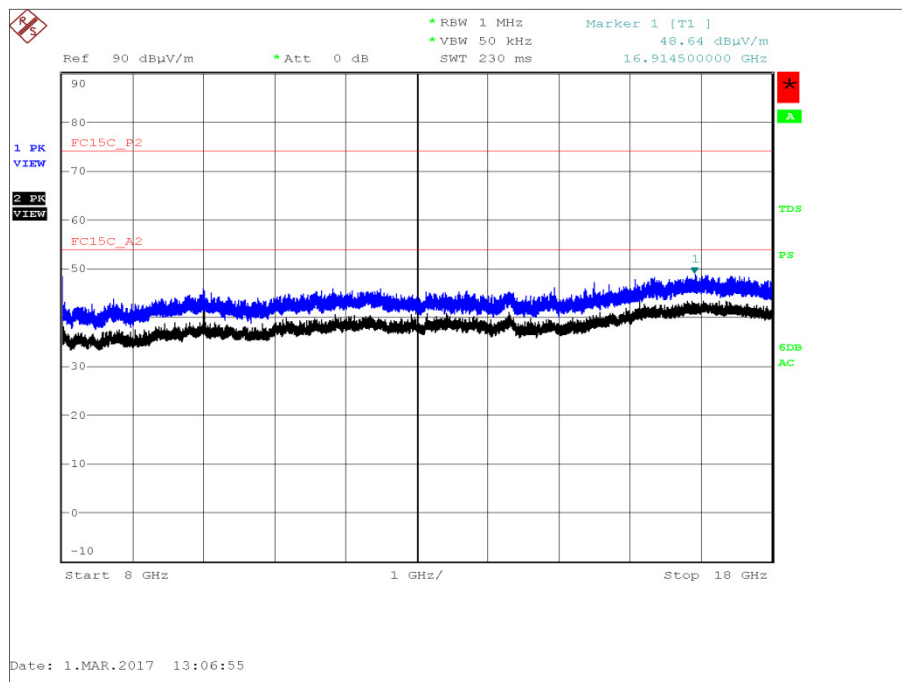


Figure 277 - U-NII 1 - 5240 MHz - 8 GHz to 18 GHz

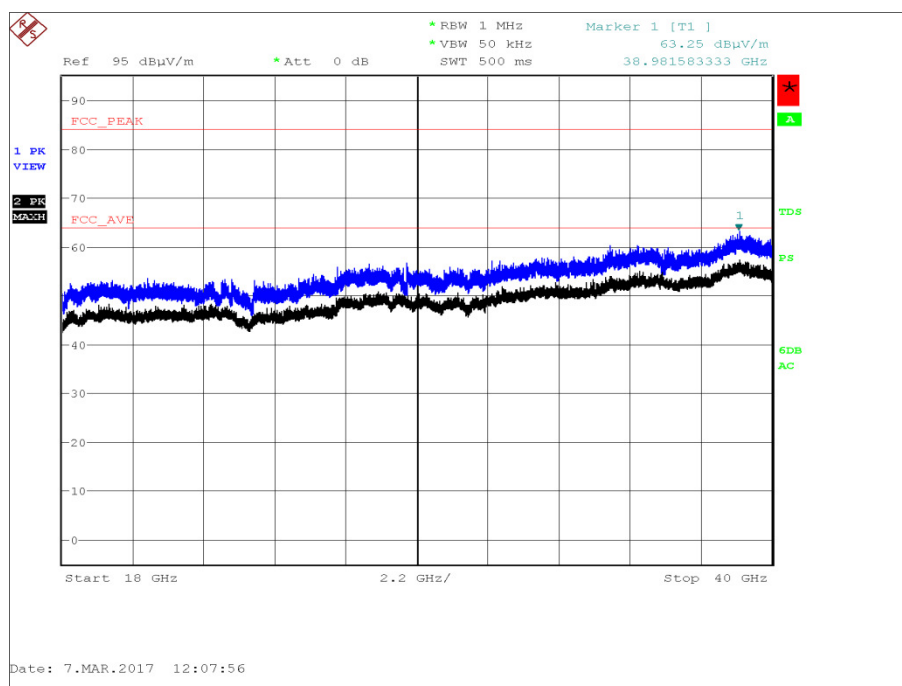
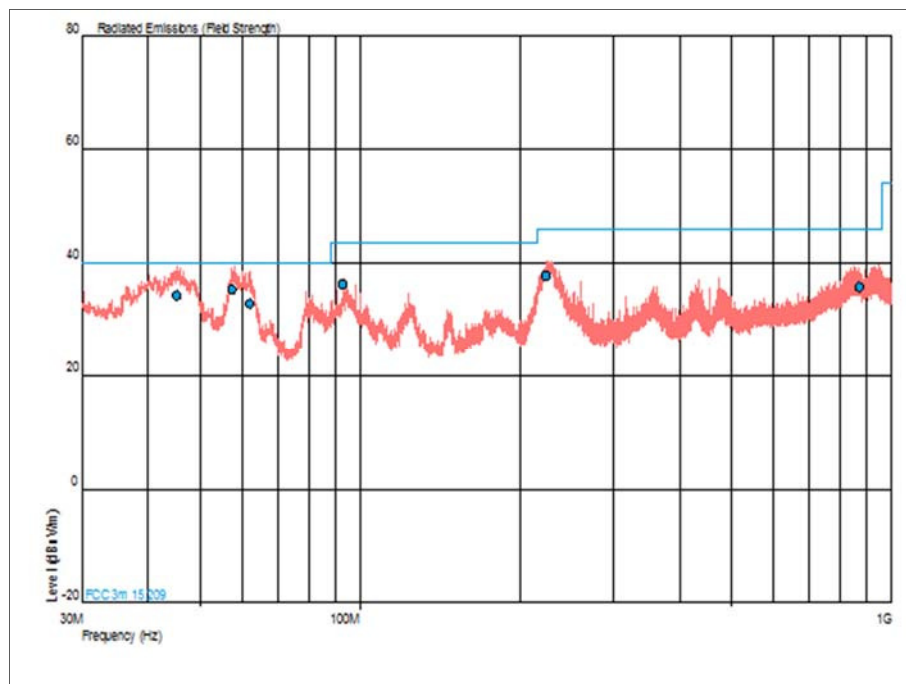


Figure 278 - U-NII 1 - 5240 MHz - 18 GHz to 40 GHz



| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 45.222          | 34.3              | 40.0              | -5.7               | 89         | 1.00       | Vertical   |
| 57.550          | 35.2              | 40.0              | -4.8               | 85         | 1.00       | Vertical   |
| 62.115          | 32.8              | 40.0              | -7.2               | 43         | 1.00       | Vertical   |
| 92.902          | 36.3              | 43.5              | -7.2               | 309        | 1.00       | Vertical   |
| 224.101         | 37.7              | 46.0              | -8.3               | 334        | 1.00       | Horizontal |
| 869.270         | 35.8              | 46.0              | -10.2              | 270        | 1.00       | Horizontal |

**Table 161 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 279 - U-NII 2a - 5260 - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

**Table 162 - U-NII 2a - 5260 MHz - 1 GHz to 40 GHz - Emissions Results**

\*No emissions were detected within 6 dB of the limit.



Product Service

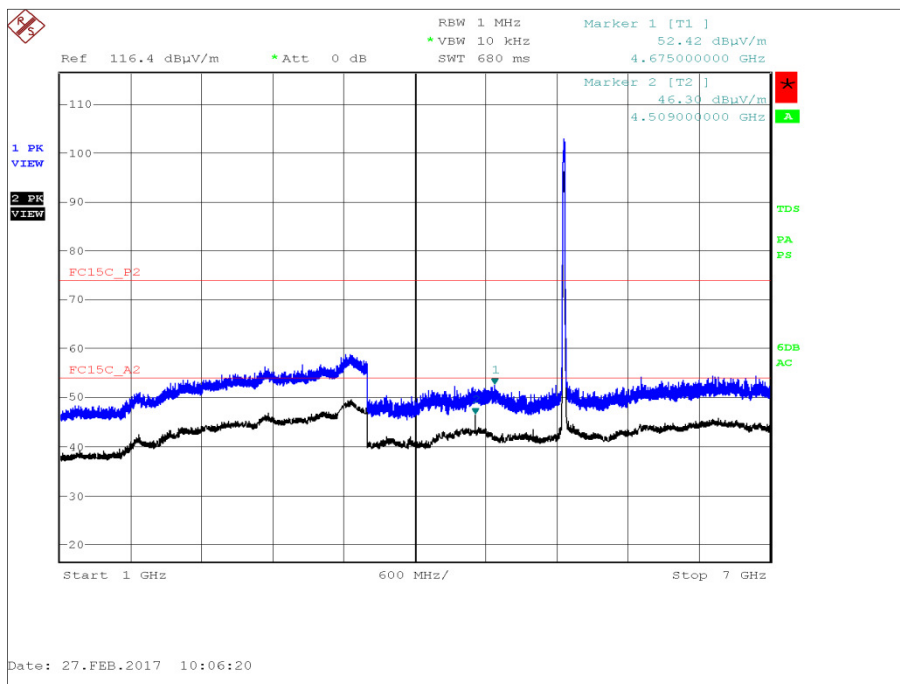


Figure 280 - U-NII 2a - 5260 MHz - 1 GHz to 7 GHz

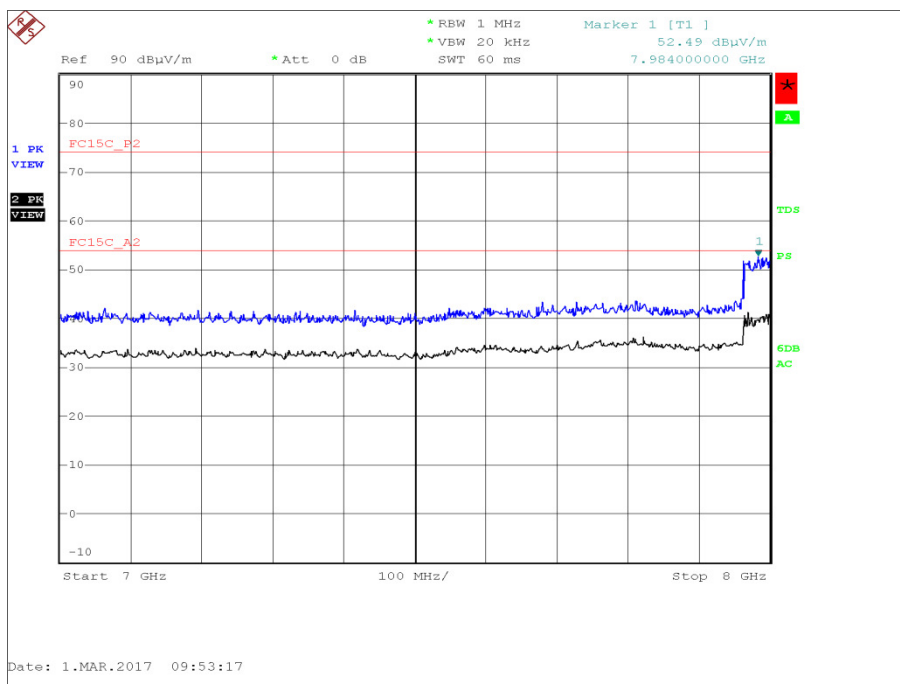


Figure 281 - U-NII 2a - 5260 MHz - 7 GHz to 8 GHz



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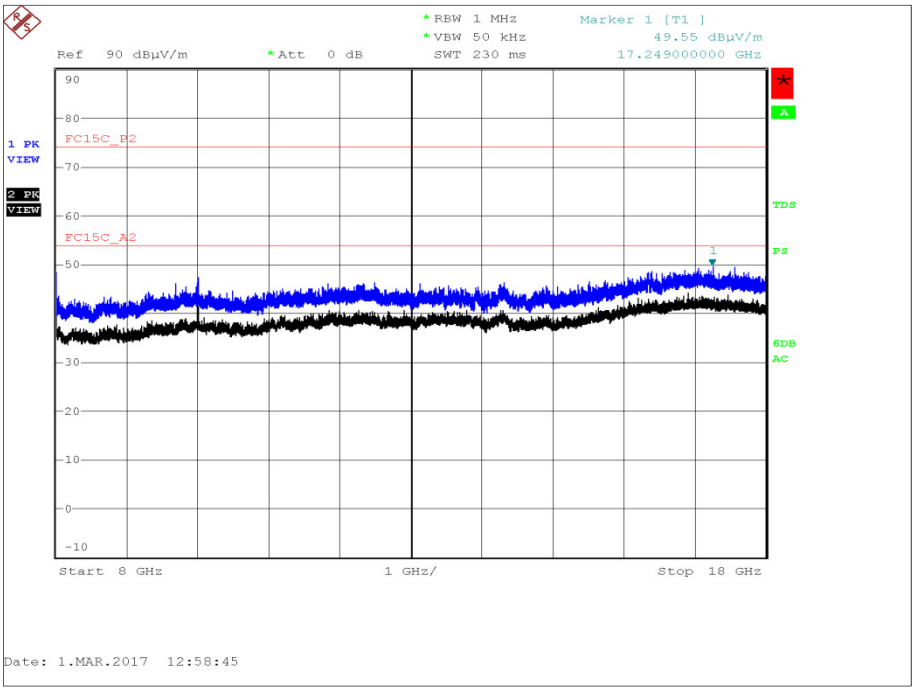


Figure 282 - U-NII 2a - 5260 MHz - 8 GHz to 18 GHz

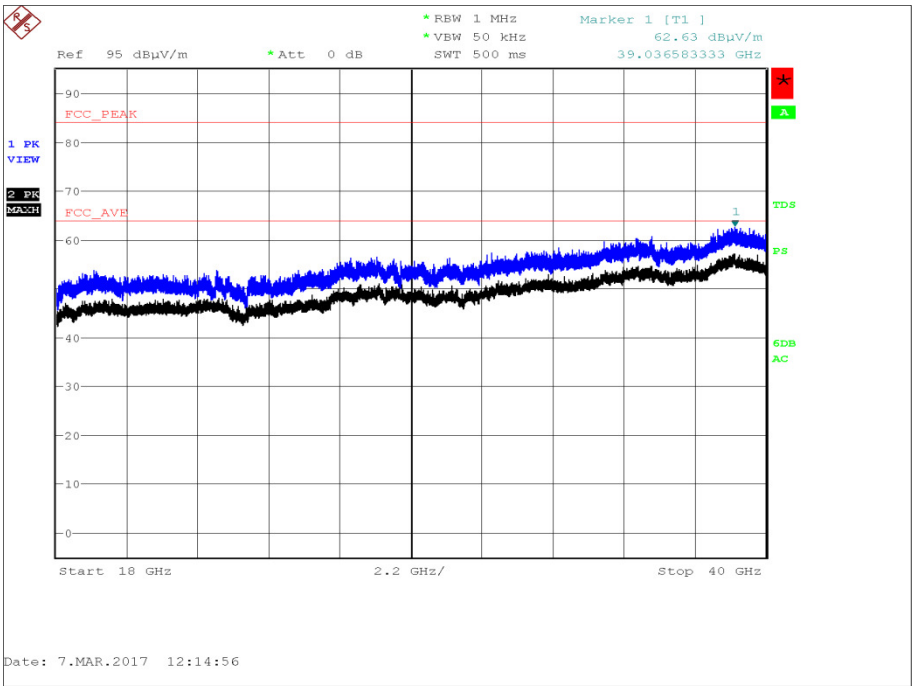
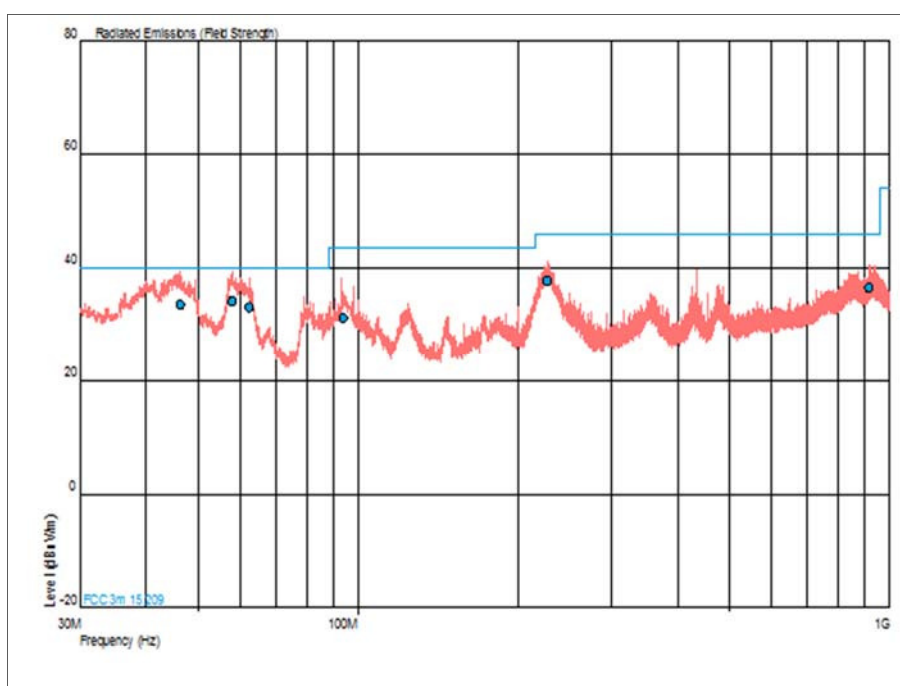


Figure 283 - U-NII 2a - 5260 MHz - 18 GHz to 40 GHz



| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 46.331          | 33.6              | 40.0              | -6.4               | 116        | 1.00       | Vertical   |
| 57.985          | 34.1              | 40.0              | -5.9               | 360        | 1.00       | Vertical   |
| 62.454          | 33.1              | 40.0              | -6.9               | 45         | 1.00       | Vertical   |
| 93.933          | 31.1              | 43.5              | -12.4              | 259        | 1.00       | Vertical   |
| 226.802         | 37.8              | 46.0              | -8.2               | 347        | 1.00       | Horizontal |
| 915.998         | 36.5              | 46.0              | -9.5               | 0          | 1.00       | Vertical   |

**Table 163 - U-NII 2a - 5280 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 284 - U-NII 2a - 5280 MHz - 30 MHz to 1 GHz**

| Frequency | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------|---------------|---------|--------------|---------|---------------|---------|
|           | Peak          | Average | Peak         | Average | Peak          | Average |
| *         |               |         |              |         |               |         |

**Table 164 - U-NII 2a - 5280 MHz - 1 GHz to 40 GHz- Emissions Results**

\*No emissions were detected within 6 dB of the limit.

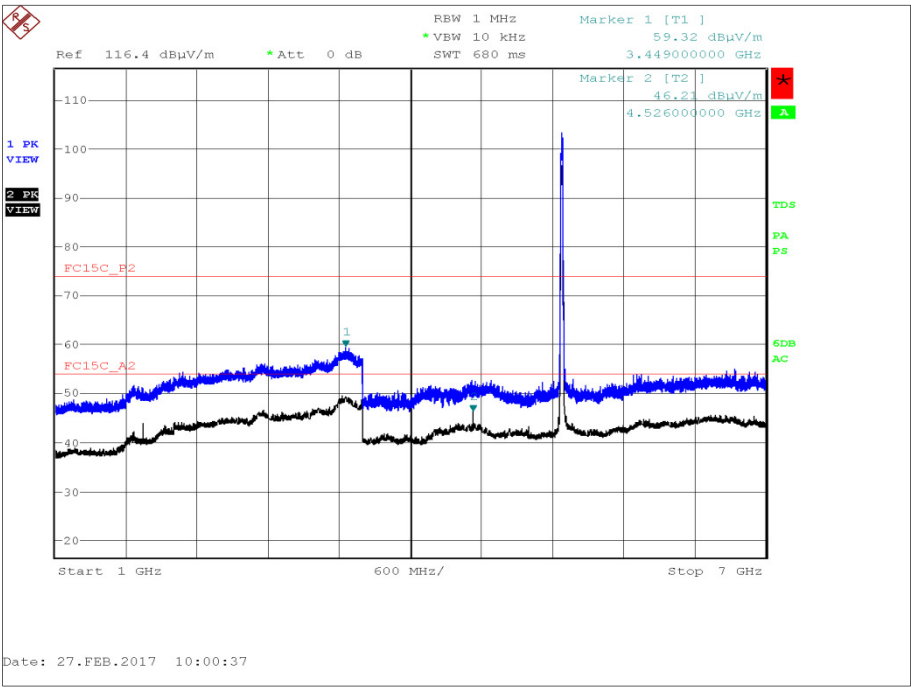


Figure 285 - U-NII 2a - 5280 MHz - 1 GHz to 7 GHz

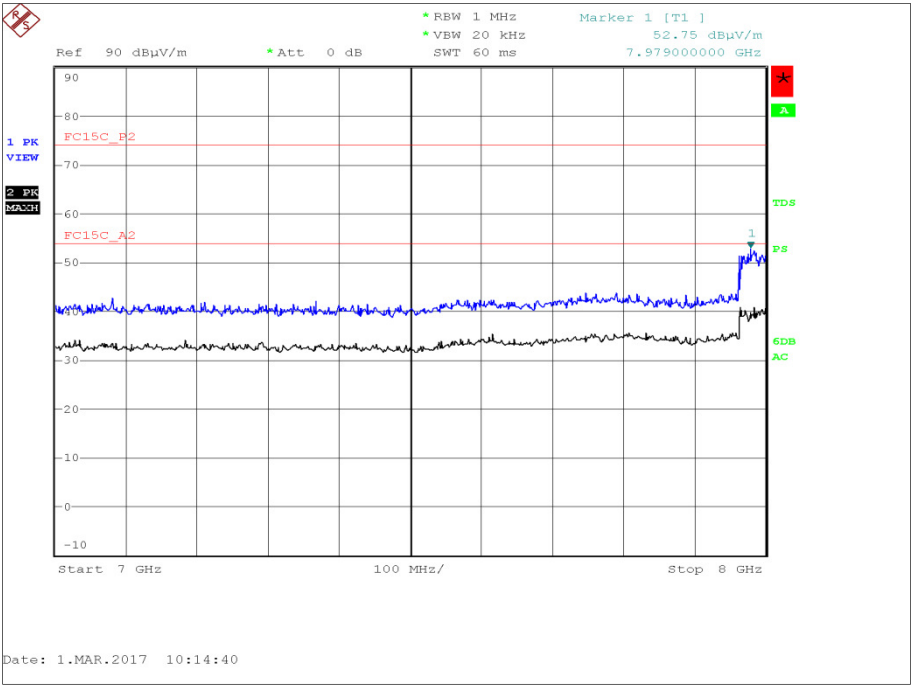


Figure 286 - U-NII 2a - 5280 MHz - 7 GHz to 8 GHz

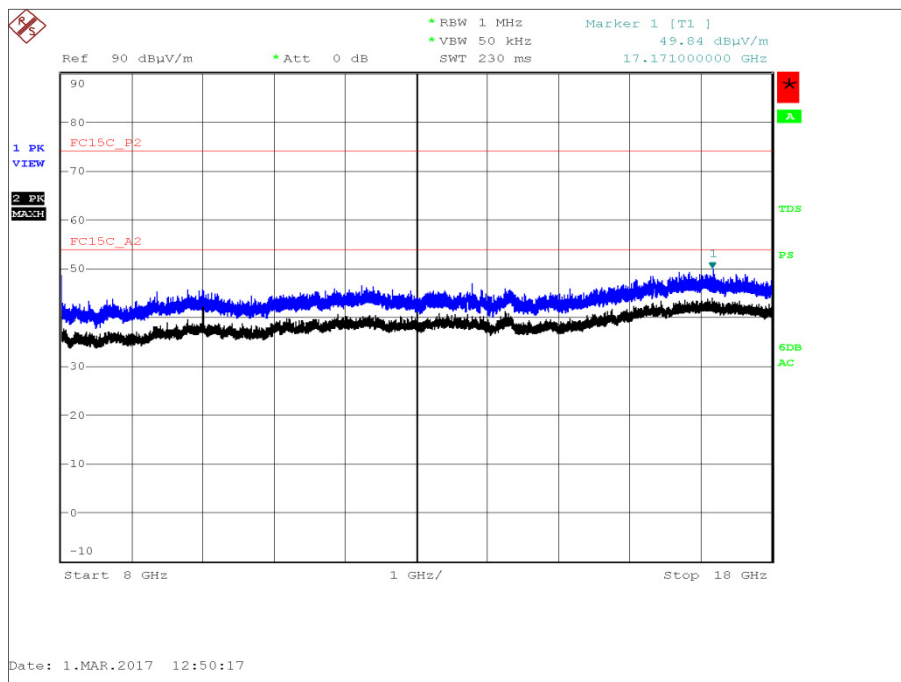


Figure 287 - U-NII 2a - 5280 MHz - 8 GHz to 18 GHz

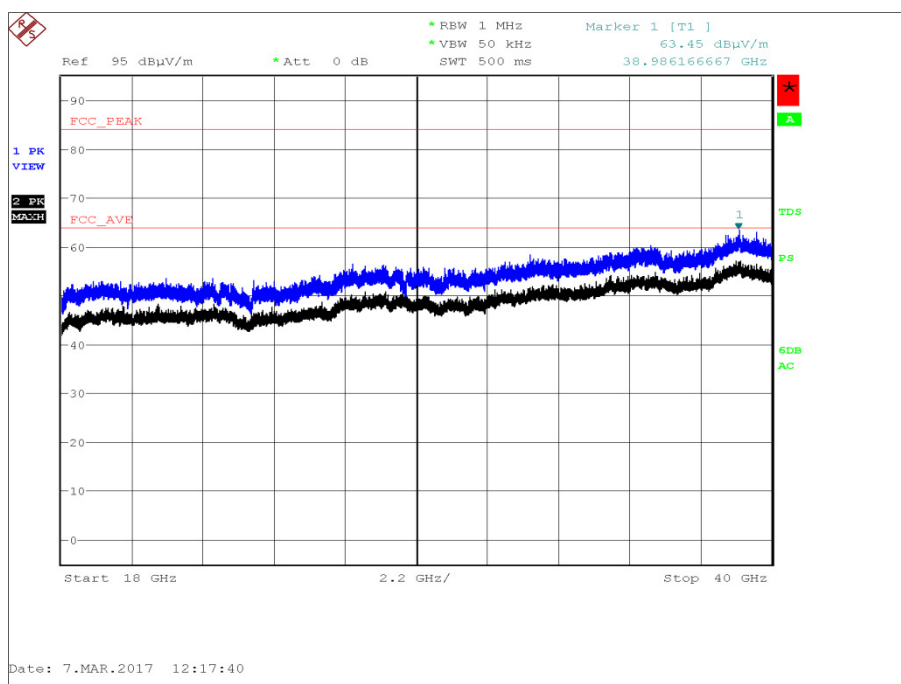
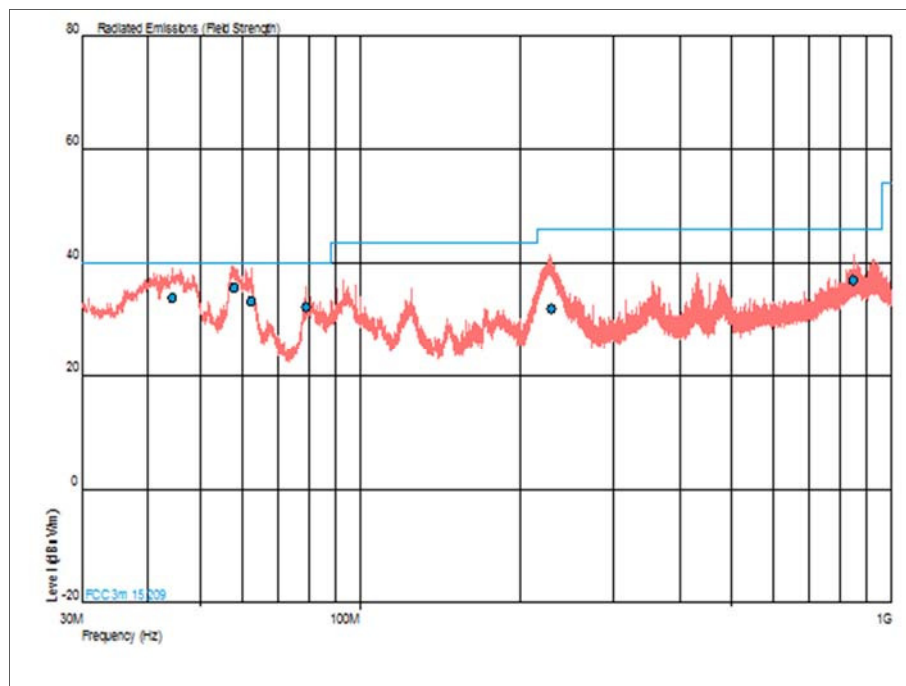


Figure 288 - U-NII 2a - 5280 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 44.387          | 33.9              | 40.0              | -6.1               | 76         | 1.00       | Vertical   |
| 57.976          | 35.6              | 40.0              | -4.4               | 67         | 1.00       | Vertical   |
| 62.498          | 33.1              | 40.0              | -6.9               | 275        | 1.00       | Vertical   |
| 79.217          | 32.2              | 40.0              | -7.8               | 305        | 1.00       | Vertical   |
| 229.311         | 31.9              | 46.0              | -14.1              | 213        | 1.00       | Vertical   |
| 847.890         | 36.9              | 46.0              | -9.1               | 271        | 1.00       | Horizontal |

**Table 165 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 289 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| *               |               |         |              |         |               |         |

**Table 166 - U-NII 2a - 5320 – 1 GHz to 40 GHz - Emissions Results**

\*No emissions were detected within 6 dB of the limit.



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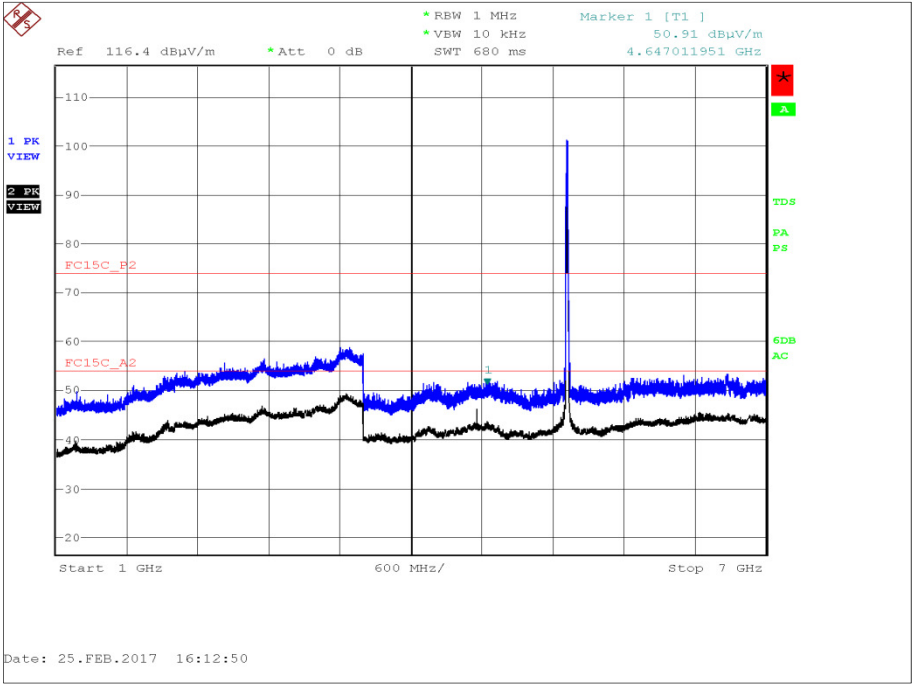


Figure 290 - U-NII 2a - 5320 MHz - 1 GHz to 7 GHz

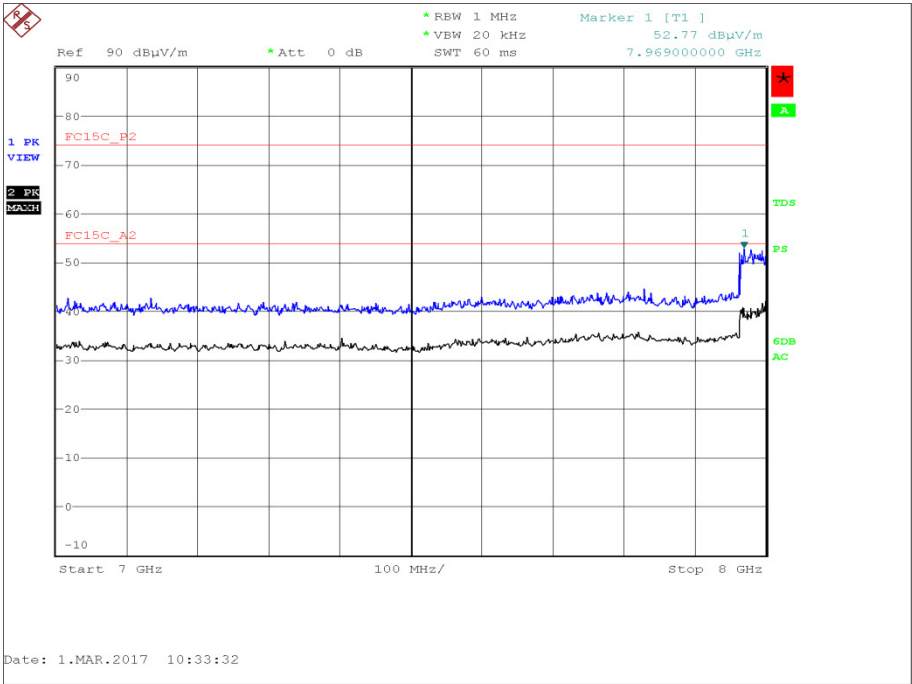


Figure 291 - U-NII 2a - 5320 MHz - 7 GHz to 8 GHz



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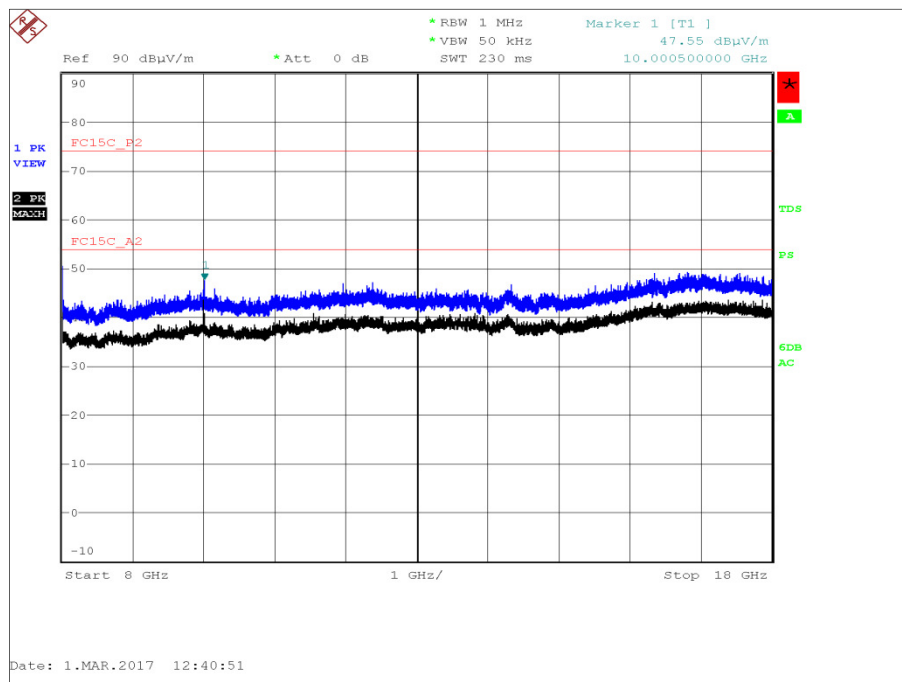


Figure 292 - U-NII 2a - 5320 MHz - 8 GHz to 18 GHz

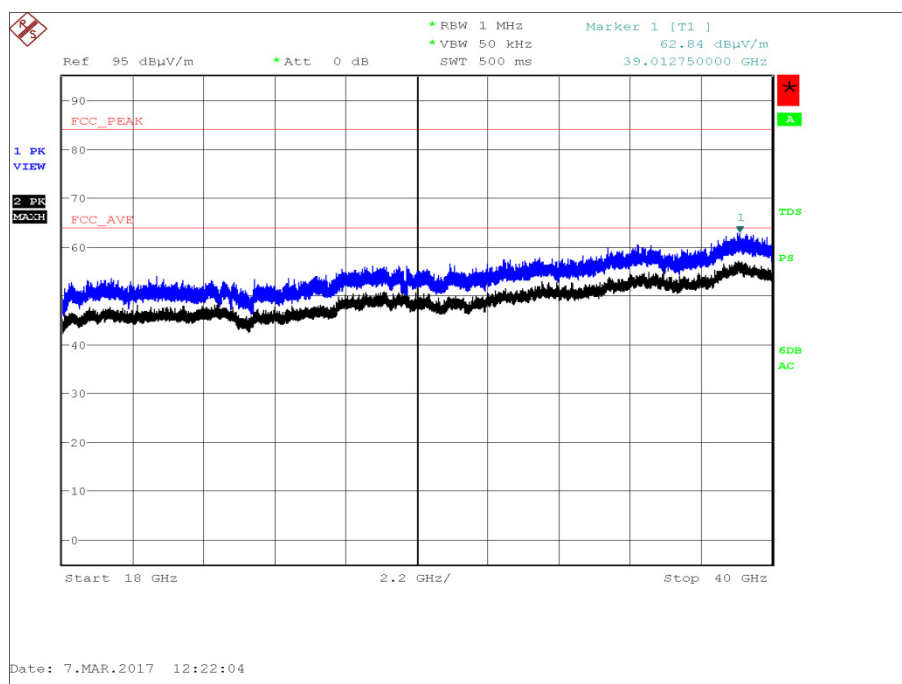
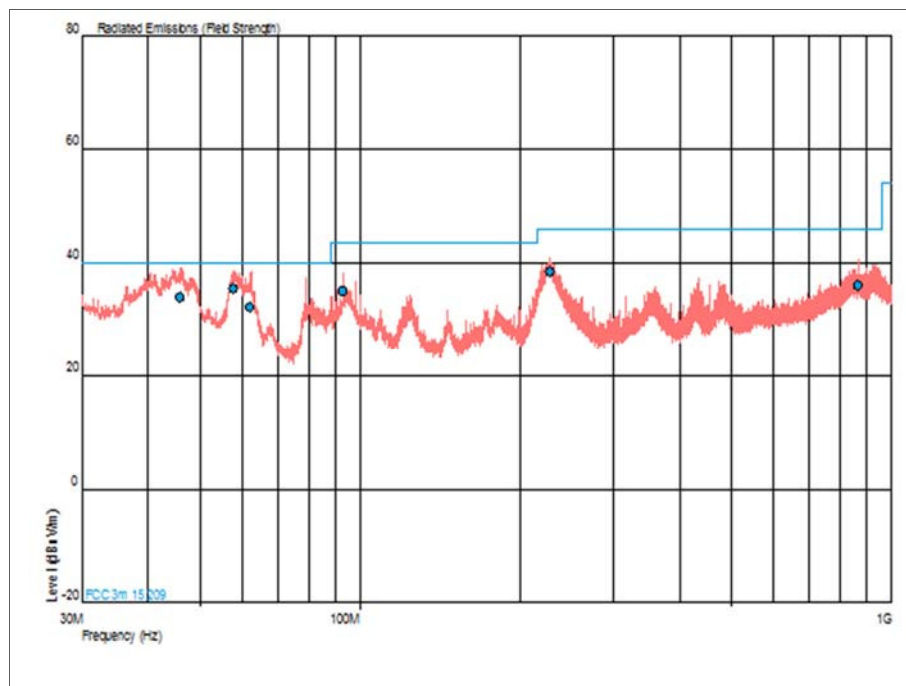


Figure 293 - U-NII 2a - 5320 MHz - 18 GHz to 40 GHz

| Frequency (MHz) | QP Level (dBuV/m) | QP Limit (dBuV/m) | QP Margin (dBuV/m) | Angle(Deg) | HeigMCS(m) | Polarity   |
|-----------------|-------------------|-------------------|--------------------|------------|------------|------------|
| 45.884          | 33.9              | 40.0              | -6.1               | 73         | 1.00       | Vertical   |
| 57.851          | 35.5              | 40.0              | -4.5               | 55         | 1.00       | Vertical   |
| 62.066          | 32.2              | 40.0              | -7.8               | 286        | 1.00       | Vertical   |
| 92.868          | 35.0              | 43.5              | -8.5               | 163        | 1.00       | Vertical   |
| 227.937         | 38.4              | 46.0              | -7.6               | 299        | 1.00       | Horizontal |
| 864.435         | 36.0              | 46.0              | -10.0              | 264        | 1.00       | Horizontal |

**Table 167 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz - Emissions Results**



**Figure 294 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz**

| Frequency (GHz) | Result (μV/m) |         | Limit (μV/m) |         | Margin (μV/m) |         |
|-----------------|---------------|---------|--------------|---------|---------------|---------|
|                 | Peak          | Average | Peak         | Average | Peak          | Average |
| 4.714           | 54.57         | 46.45   | 74.00        | 54.00   | 19.43         | 7.55    |

**Table 168 - U-NII 2c - 5500 - 1 GHz to 40 GHz - Emissions Results**

No other emissions were detected within 6 dB of the limit.



Product Service

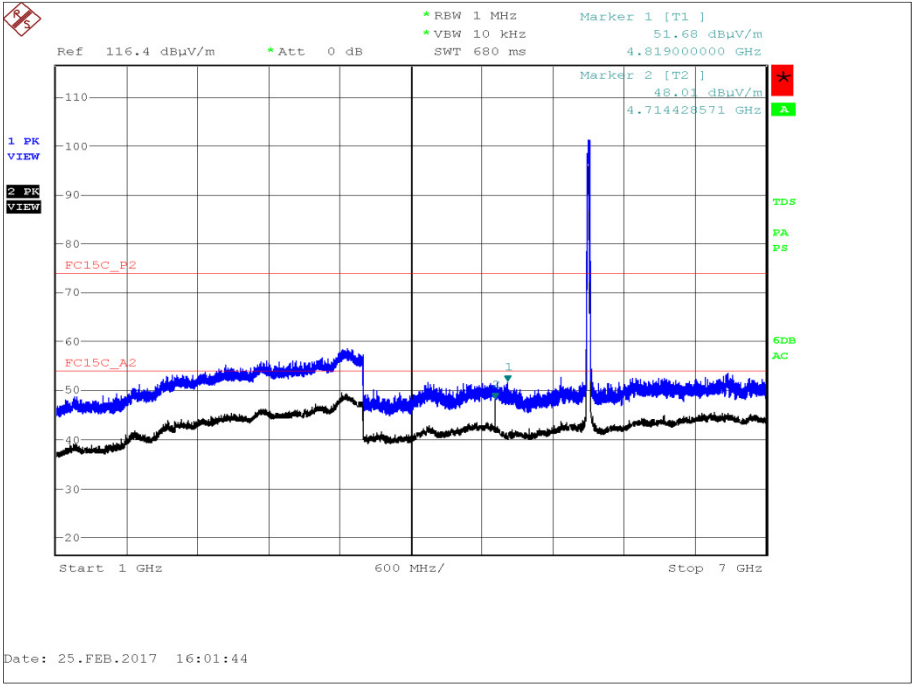


Figure 295 - U-NII 2c - 5500 MHz - 1 GHz to 7 GHz

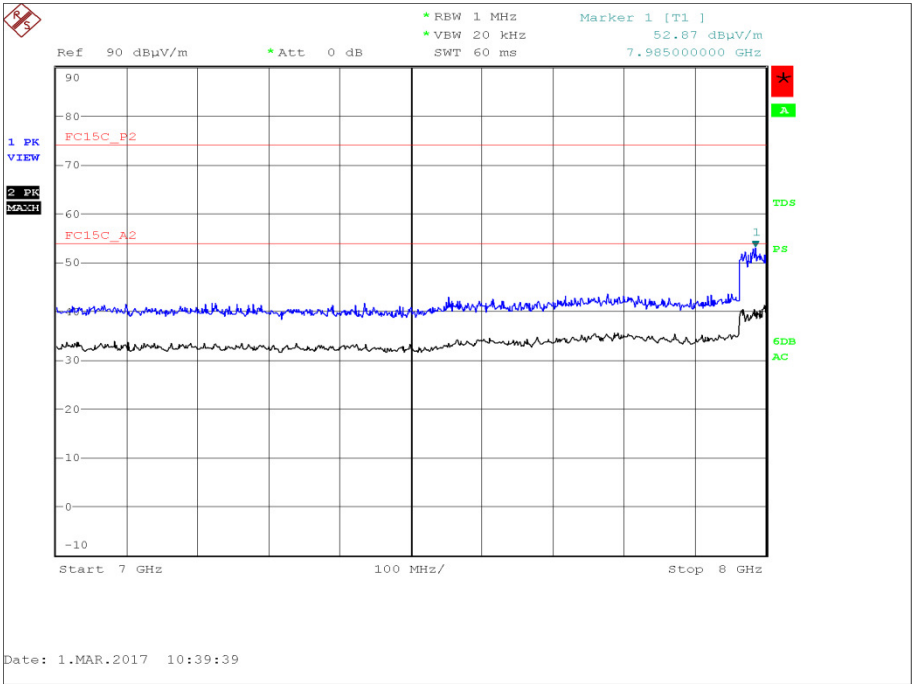


Figure 296 - U-NII 2c - 5500 MHz - 7 GHz to 8 GHz