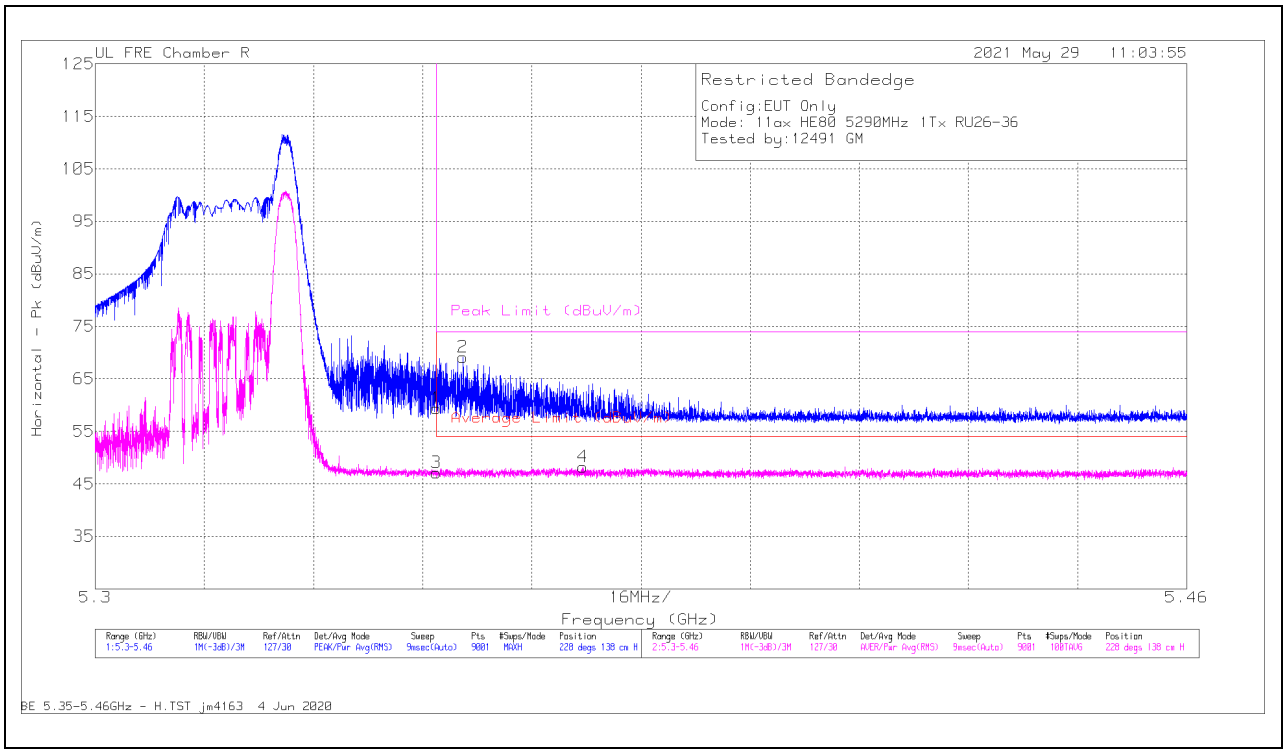
**1TX ANTENNA 5 – 26-Tone, RU Index 36**

## BANDEDGE (MID CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.35001 | 56.21 | Pk | 34.4 | -31.3 | 0 | 59.31 | - | - | 74 | -14.69 | 228 | 138 | H |
| 3 | 5.35001 | 44.01 | RMS | 34.4 | -31.3 | .12 | 47.23 | 54 | -6.77 | - | - | 228 | 138 | H |
| 2 | 5.35387 | 66.06 | Pk | 34.4 | -31.3 | 0 | 69.16 | - | - | 74 | -4.84 | 228 | 138 | H |
| 4 | 5.3715 | 45.05 | RMS | 34.3 | -31.1 | .12 | 48.37 | 54 | -5.63 | - | - | 228 | 138 | H |

Pk - Peak detector
RMS - RMS detection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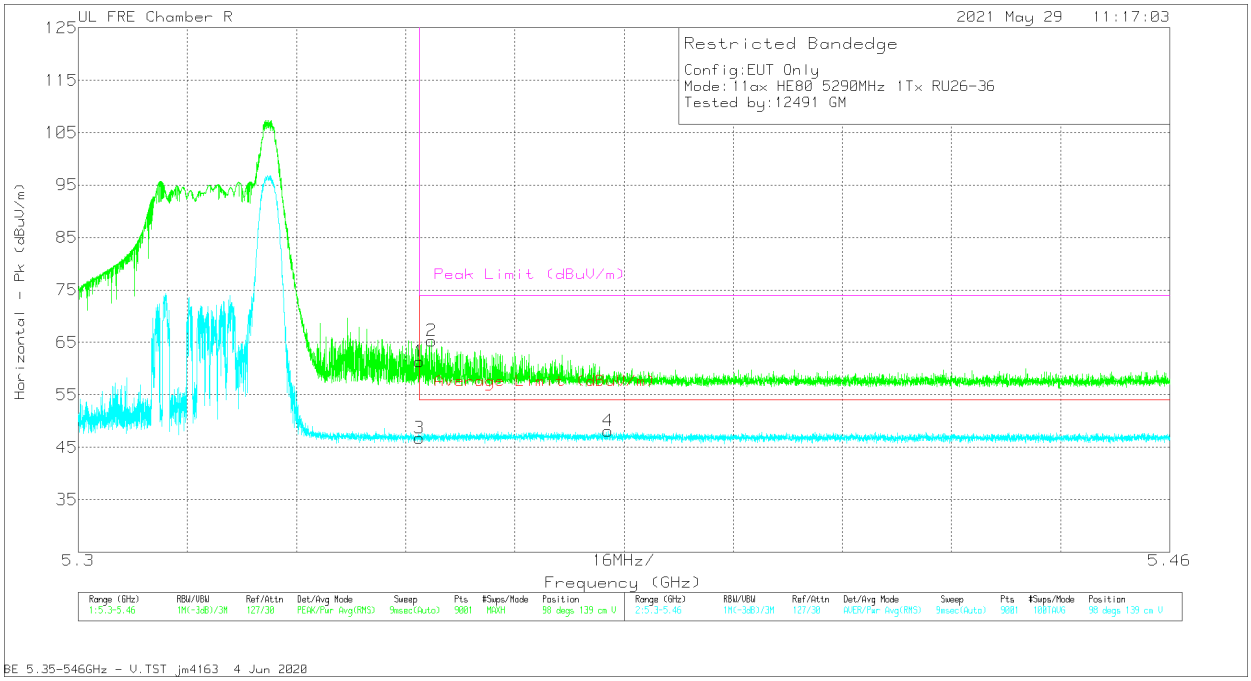
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.35001 | 58.26 | Pk | 34.4 | -31.3 | 0 | 61.36 | - | - | 74 | -12.64 | 98 | 139 | V |
| 3 | 5.35001 | 43.67 | RMS | 34.4 | -31.3 | .12 | 46.89 | 54 | -7.11 | - | - | 98 | 139 | V |
| 2 | 5.35181 | 62.15 | Pk | 34.4 | -31.3 | 0 | 65.25 | - | - | 74 | -8.75 | 98 | 139 | V |
| 4 | 5.37764 | 44.75 | RMS | 34.4 | -31.1 | .12 | 48.17 | 54 | -5.83 | - | - | 98 | 139 | V |

Pk - Peak detector
RMS - RMS detection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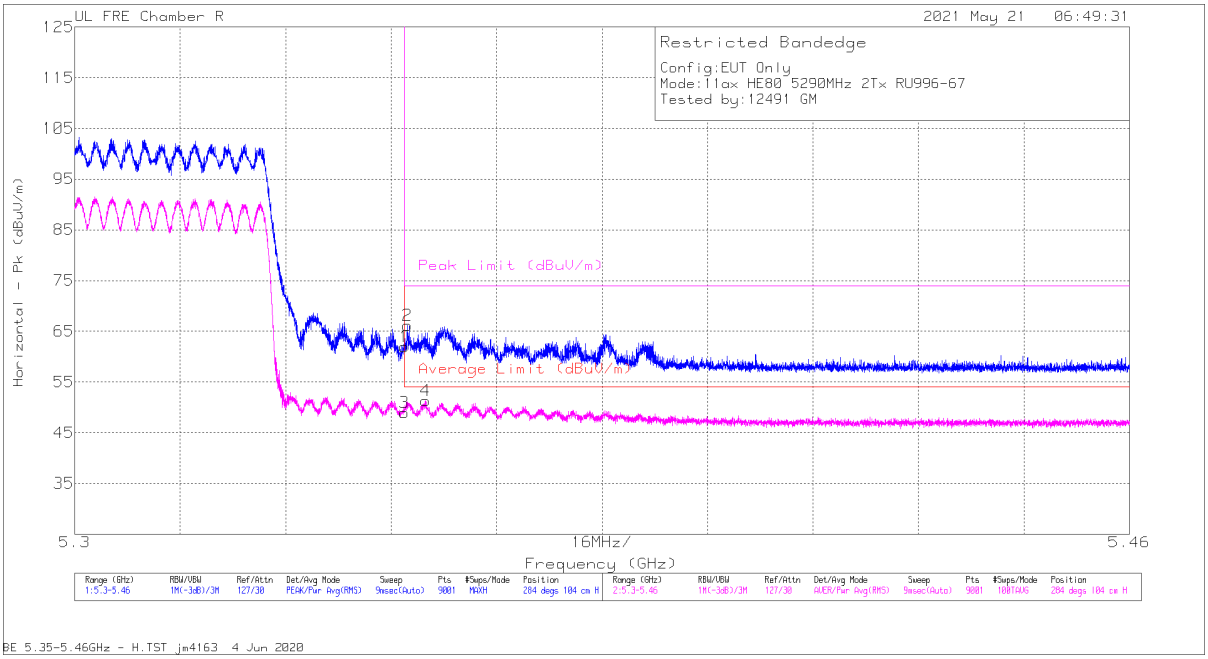
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 996-Tone, RU Index 67**

## BANDEDGE (MID CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.35001 | 58.87 | Pk | 34.4 | -31.3 | 61.97 | - | - | 74 | -12.03 | 284 | 104 | H |
| 3 | 5.35001 | 45.84 | RMS | 34.4 | -31.3 | 48.94 | 54 | -5.06 | - | - | 284 | 104 | H |
| 2 | 5.35049 | 63.09 | Pk | 34.4 | -31.3 | 66.19 | - | - | 74 | -7.81 | 284 | 104 | H |
| 4 | 5.35326 | 48.21 | RMS | 34.4 | -31.3 | 51.31 | 54 | -2.69 | - | - | 284 | 104 | H |

Pk - Peak detector
RMS - RMS detection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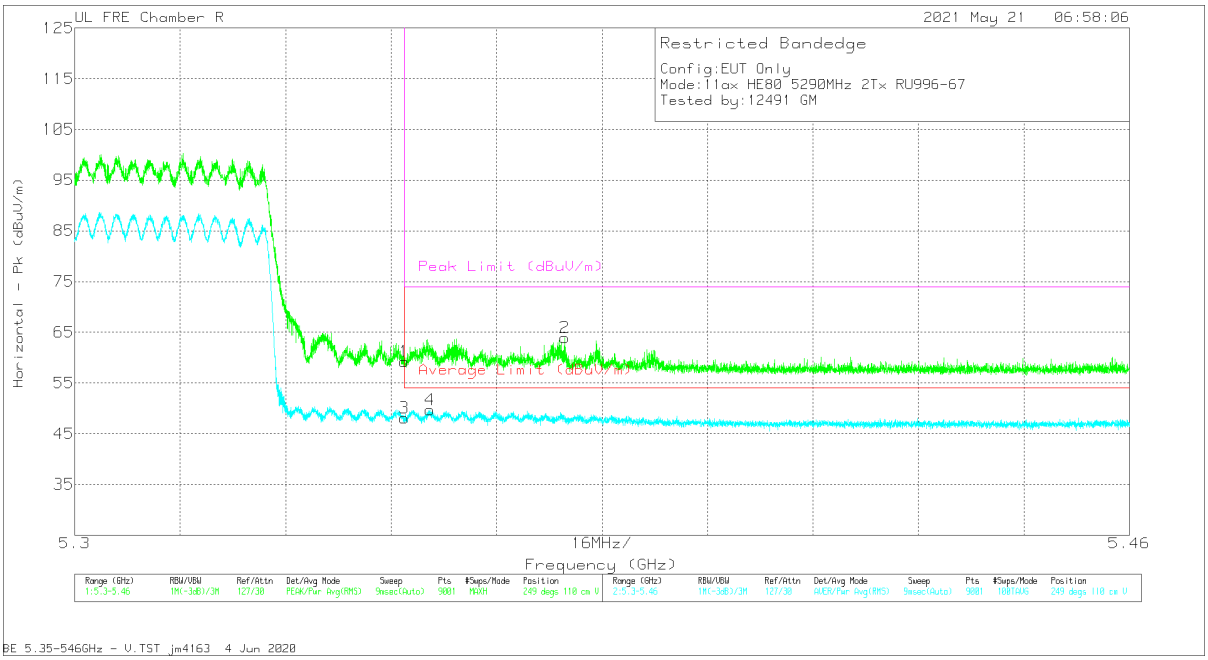
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.35001 | 56.11 | Pk | 34.4 | -31.3 | 59.21 | - | - | 74 | -14.79 | 249 | 110 | V |
| 3 | 5.35001 | 45.02 | RMS | 34.4 | -31.3 | 48.12 | 54 | -5.88 | - | - | 249 | 110 | V |
| 4 | 5.35385 | 46.61 | RMS | 34.4 | -31.3 | 49.71 | 54 | -4.29 | - | - | 249 | 110 | V |
| 2 | 5.37435 | 60.82 | Pk | 34.3 | -31.2 | 63.92 | - | - | 74 | -10.08 | 249 | 110 | V |

Pk - Peak detector
RMS - RMS detection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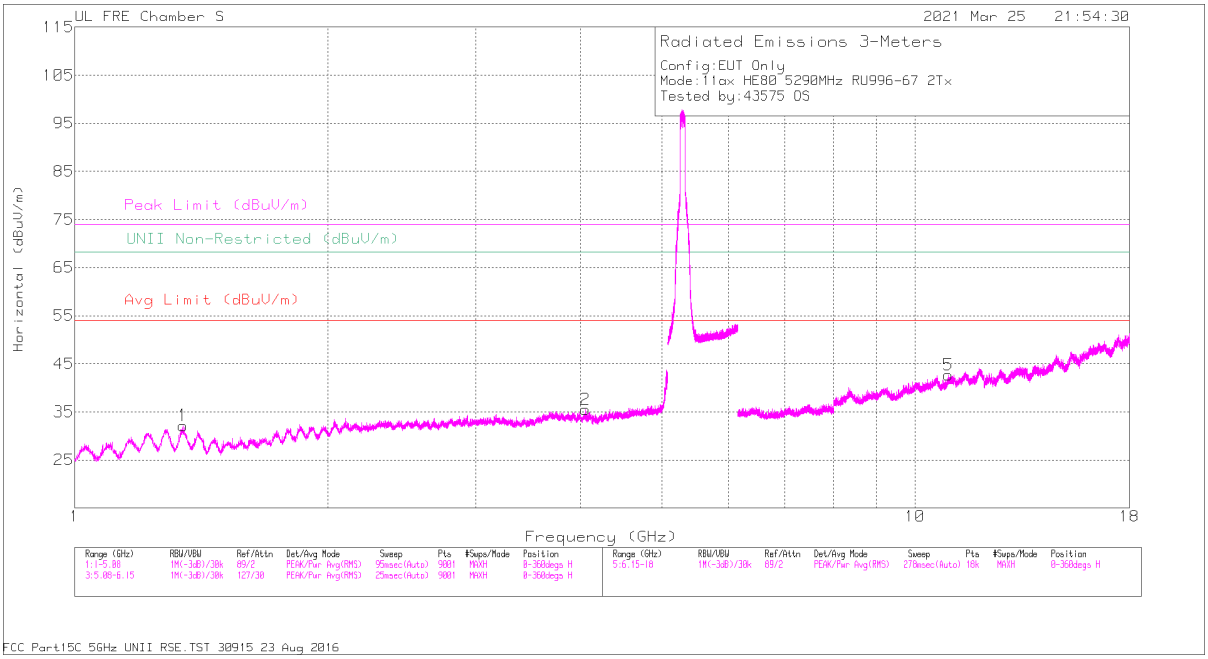
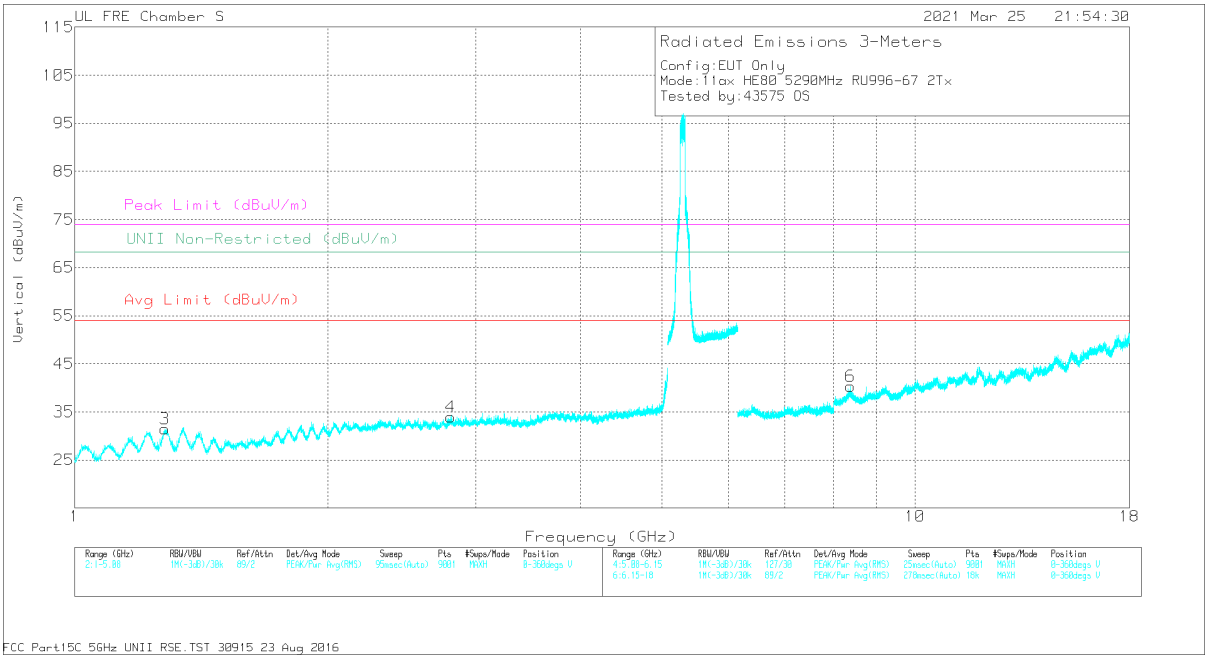
## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.34326 | 57.07 | PK-U | 29.3 | -44.9 | 41.47 | - | - | 74 | -32.53 | - | - | 0 | 100 | H |
| | * 1.34439 | 45.73 | ADR | 29.3 | -44.9 | 30.13 | 54 | -23.87 | - | - | - | - | 0 | 100 | H |
| 2 | * 4.05003 | 52.03 | PK-U | 33.5 | -40.9 | 44.63 | - | - | 74 | -29.37 | - | - | 0 | 100 | H |
| | * 4.05072 | 40.37 | ADR | 33.5 | -40.9 | 32.97 | 54 | -21.03 | - | - | - | - | 0 | 100 | H |
| 3 | * 1.27967 | 57.76 | PK-U | 29.2 | -45.2 | 41.76 | - | - | 74 | -32.24 | - | - | 0 | 201 | V |
| | * 1.28082 | 45.94 | ADR | 29.1 | -45.2 | 29.84 | 54 | -24.16 | - | - | - | - | 0 | 201 | V |
| 4 | * 2.80222 | 54.79 | PK-U | 32.7 | -43.5 | 43.99 | - | - | 74 | -30.01 | - | - | 0 | 200 | V |
| | * 2.80143 | 43.25 | ADR | 32.7 | -43.5 | 32.45 | 54 | -21.55 | - | - | - | - | 0 | 200 | V |
| 5 | * 10.95506 | 47.05 | PK-U | 37.9 | -34.2 | 50.75 | - | - | 74 | -23.25 | - | - | 0 | 100 | H |
| | * 10.95482 | 35.36 | ADR | 37.9 | -34.2 | 39.06 | 54 | -14.94 | - | - | - | - | 0 | 100 | H |
| 6 | * 8.3808 | 49.74 | PK-U | 36 | -36.4 | 49.34 | - | - | 74 | -24.66 | - | - | 0 | 100 | V |
| | * 8.37942 | 37.79 | ADR | 36 | -36.4 | 37.39 | 54 | -16.61 | - | - | - | - | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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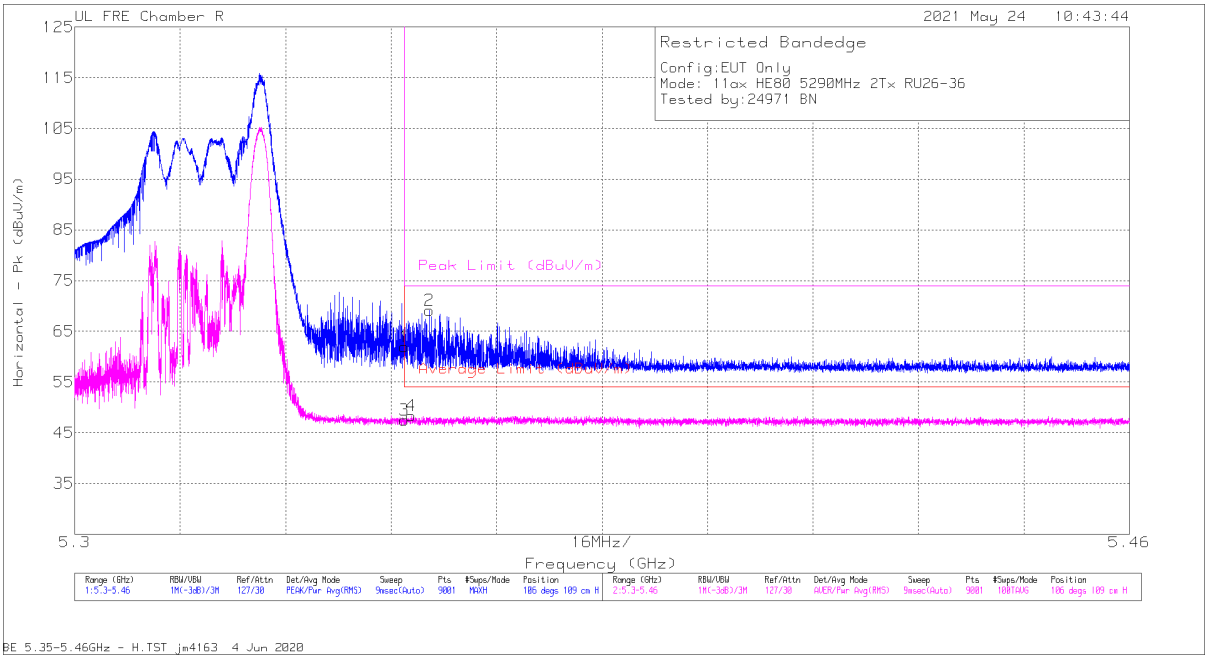
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 26-Tone, RU Index 36**

## BANDEDGE (MID CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.35001 | 58.84 | Pk | 34.4 | -31.3 | 61.94 | - | - | 74 | -12.06 | 106 | 109 | H |
| 2 | 5.3538 | 65.98 | Pk | 34.4 | -31.3 | 69.08 | - | - | 74 | -4.92 | 106 | 109 | H |
| 3 | 5.35001 | 44.39 | RMS | 34.4 | -31.3 | 47.49 | 54 | -6.51 | - | - | 106 | 109 | H |
| 4 | 5.35108 | 45.26 | RMS | 34.4 | -31.3 | 48.36 | 54 | -5.64 | - | - | 106 | 109 | H |

Pk - Peak detector
RMS - RMS detection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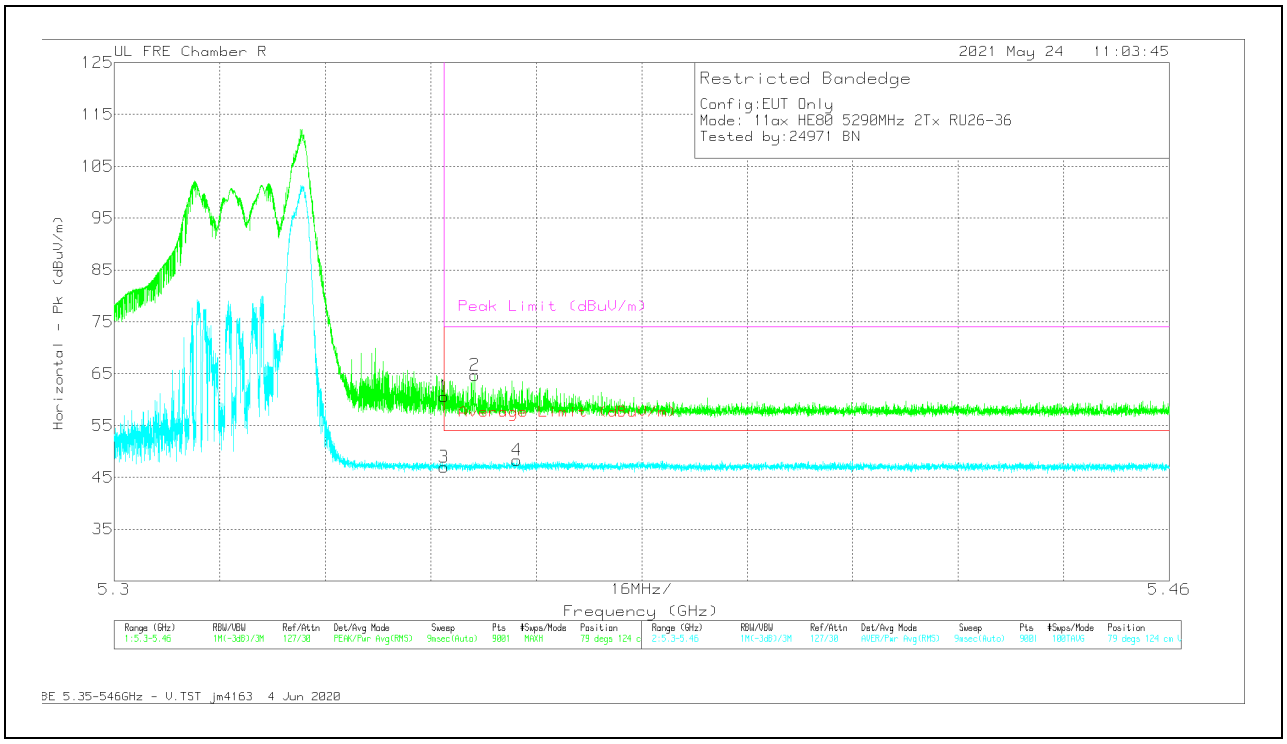
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.35001 | 57.49 | Pk | 34.4 | -31.3 | 60.59 | - | - | 74 | -13.41 | 79 | 124 | V |
| 3 | 5.35001 | 43.86 | RMS | 34.4 | -31.3 | 46.96 | 54 | -7.04 | - | - | 79 | 124 | V |
| 2 | 5.3547 | 61.61 | Pk | 34.4 | -31.3 | 64.71 | - | - | 74 | -9.29 | 79 | 124 | V |
| 4 | 5.36107 | 45.1 | RMS | 34.4 | -31.2 | 48.3 | 54 | -5.7 | - | - | 79 | 124 | V |

Pk - Peak detector
RMS - RMS detection



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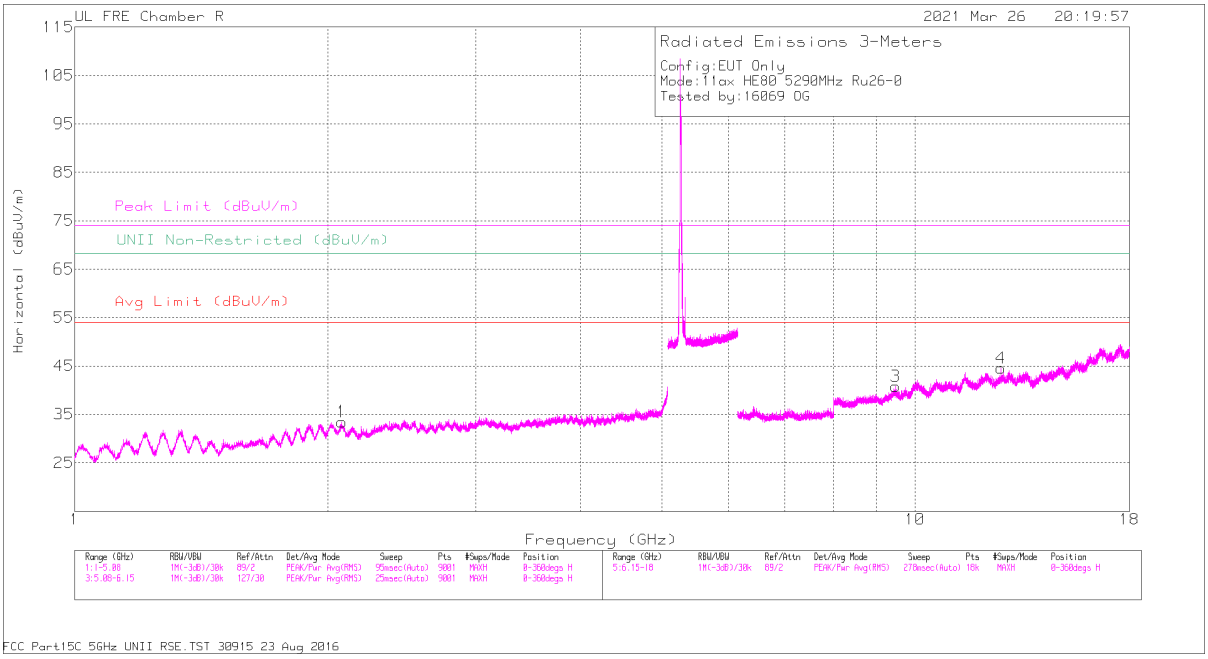
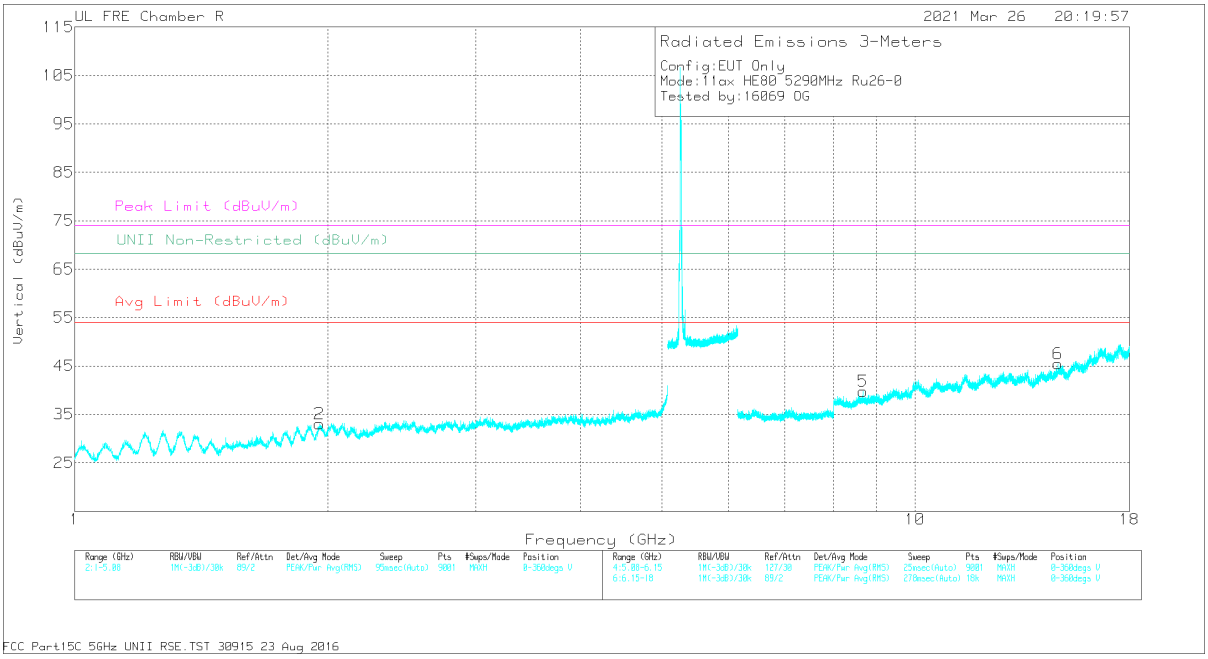
## HARMONICS AND SPURIOUS EMISSIONS

### MID CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | * 9.49076 | 49.45 | PK-U | 36.7 | -36.3 | 49.85 | - | - | 74 | -24.15 | - | - | 0 | 100 | H |
| | * 9.49083 | 37.81 | ADR | 36.7 | -36.3 | 38.21 | 54 | -15.79 | - | - | - | - | 0 | 100 | H |
| 4 | * 12.65749 | 47.84 | PK-U | 39.2 | -33.9 | 53.14 | - | - | 74 | -20.86 | - | - | 0 | 100 | H |
| | * 12.65975 | 36.14 | ADR | 39.2 | -33.8 | 41.54 | 54 | -12.46 | - | - | - | - | 0 | 100 | H |
| 2 | 1.95442 | 57.07 | PK-U | 31 | -45.4 | 42.67 | - | - | - | - | 68.2 | -25.53 | 0 | 200 | V |
| 1 | 2.08104 | 56.61 | PK-U | 31.5 | -45.1 | 43.01 | - | - | - | - | 68.2 | -25.19 | 0 | 100 | H |
| 5 | 8.66675 | 49.39 | PK-U | 36 | -36.8 | 48.59 | - | - | - | - | 68.2 | -19.61 | 0 | 201 | V |
| 6 | 14.80054 | 48.11 | PK-U | 39.7 | -34.2 | 53.61 | - | - | - | - | 68.2 | -14.59 | 0 | 200 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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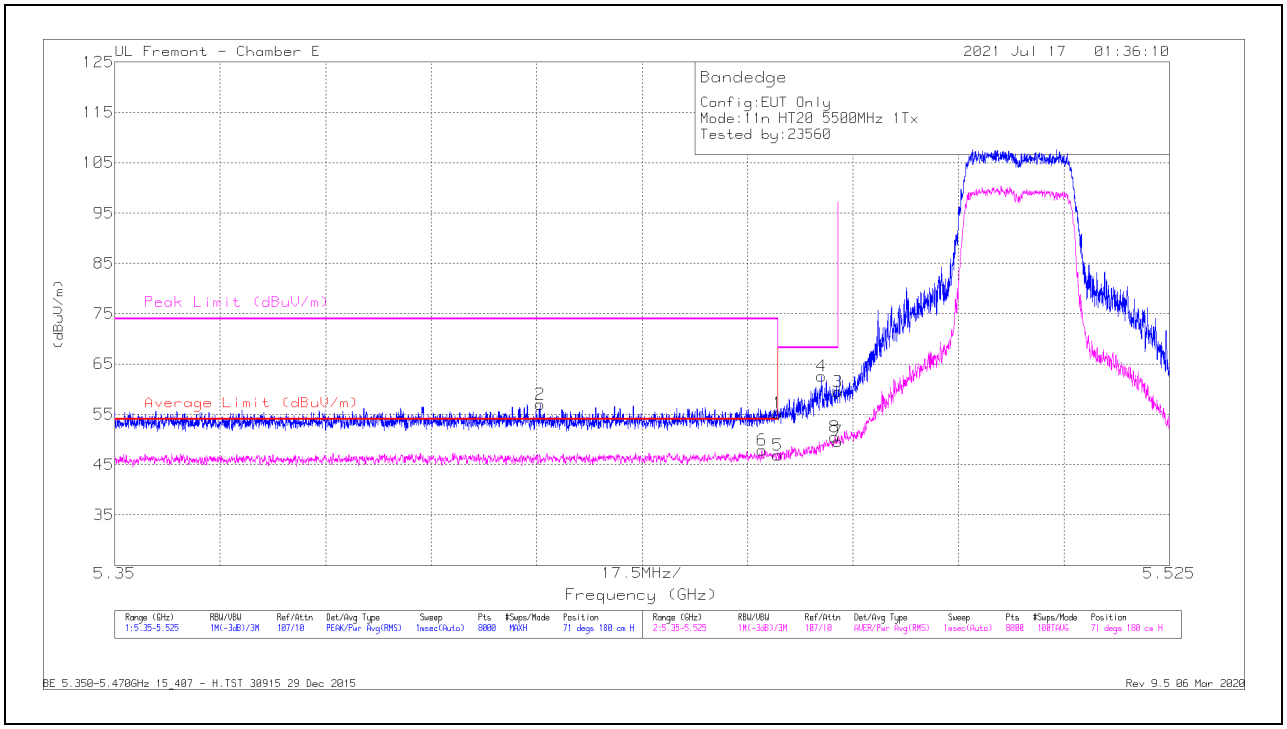
### 1.1.13. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

**1TX ANTENNA 6**

## BANDEDGE (LOW CHANNEL)

## HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0078107 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 5.45998 | 41.18 | Pk | 34.6 | -20.5 | 0 | 55.28 | - | - | 74 | -18.72 | 71 | 180 | H |
| 2 | * 5.4206 | 42.98 | Pk | 34.6 | -20.6 | 0 | 56.98 | - | - | 74 | -17.02 | 71 | 180 | H |
| 5 | * 5.45998 | 32.37 | RMS | 34.6 | -20.5 | .37 | 46.84 | 54 | -7.16 | - | - | 71 | 180 | H |
| 6 | * 5.45738 | 33.31 | RMS | 34.7 | -20.5 | .37 | 47.88 | 54 | -6.12 | - | - | 71 | 180 | H |
| 4 | 5.46729 | 48.53 | Pk | 34.6 | -20.5 | 0 | 62.63 | - | - | 68.2 | -5.57 | 71 | 180 | H |
| 8 | 5.4695 | 35.99 | RMS | 34.6 | -20.5 | .37 | 50.46 | - | - | - | - | 71 | 180 | H |
| 3 | 5.46998 | 45.4 | Pk | 34.6 | -20.5 | 0 | 59.5 | - | - | 68.2 | -8.7 | 71 | 180 | H |
| 7 | 5.46998 | 35.21 | RMS | 34.6 | -20.5 | .37 | 49.68 | - | - | - | - | 71 | 180 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection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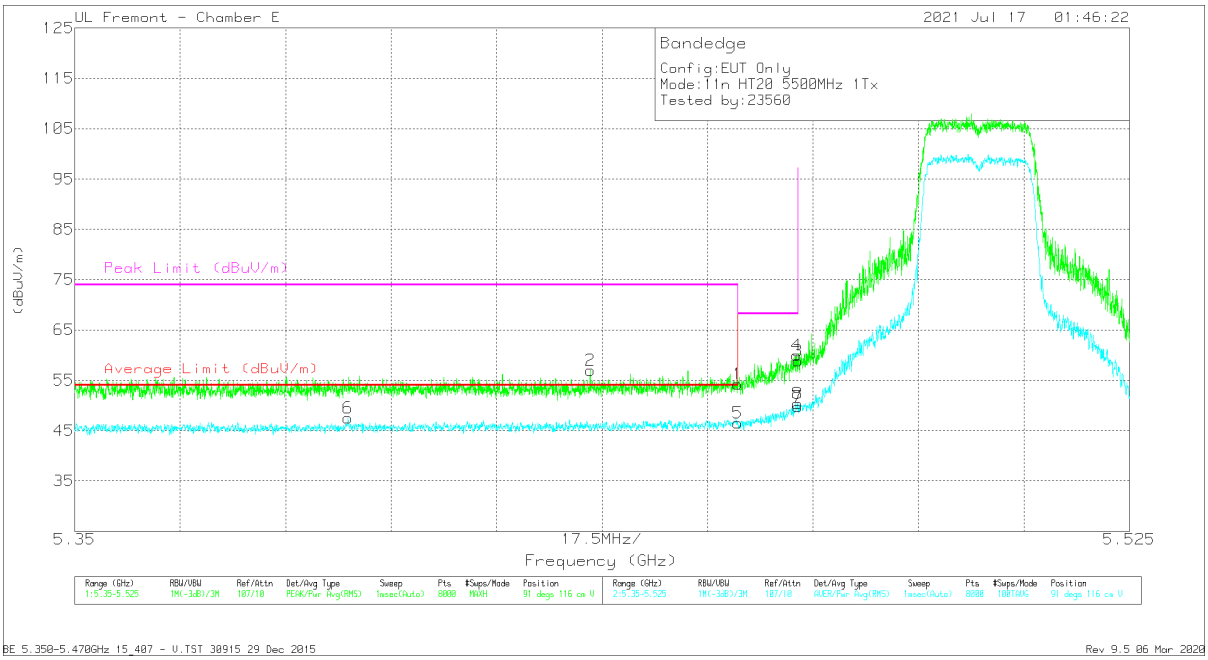
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0078107 (dBm) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | * 5.39535 | 33.04 | RMS | 34.7 | -20.6 | .37 | 47.51 | 54 | -6.49 | - | - | 91 | 116 | V |
| 2 | * 5.43554 | 42.99 | Pk | 34.6 | -20.6 | 0 | 56.99 | - | - | 74 | -17.01 | 91 | 116 | V |
| 1 | * 5.45998 | 40.17 | Pk | 34.6 | -20.5 | 0 | 54.27 | - | - | 74 | -19.73 | 91 | 116 | V |
| 5 | * 5.45998 | 31.99 | RMS | 34.6 | -20.5 | .37 | 46.46 | 54 | -7.54 | - | - | 91 | 116 | V |
| 4 | 5.4698 | 45.84 | Pk | 34.6 | -20.5 | 0 | 59.94 | - | - | 68.2 | -8.26 | 91 | 116 | V |
| 8 | 5.46994 | 35.92 | RMS | 34.6 | -20.5 | .37 | 50.39 | - | - | - | - | 91 | 116 | V |
| 3 | 5.46998 | 44.72 | Pk | 34.6 | -20.5 | 0 | 58.82 | - | - | 68.2 | -9.38 | 91 | 116 | V |
| 7 | 5.46998 | 35.33 | RMS | 34.6 | -20.5 | .37 | 49.8 | - | - | - | - | 91 | 116 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection



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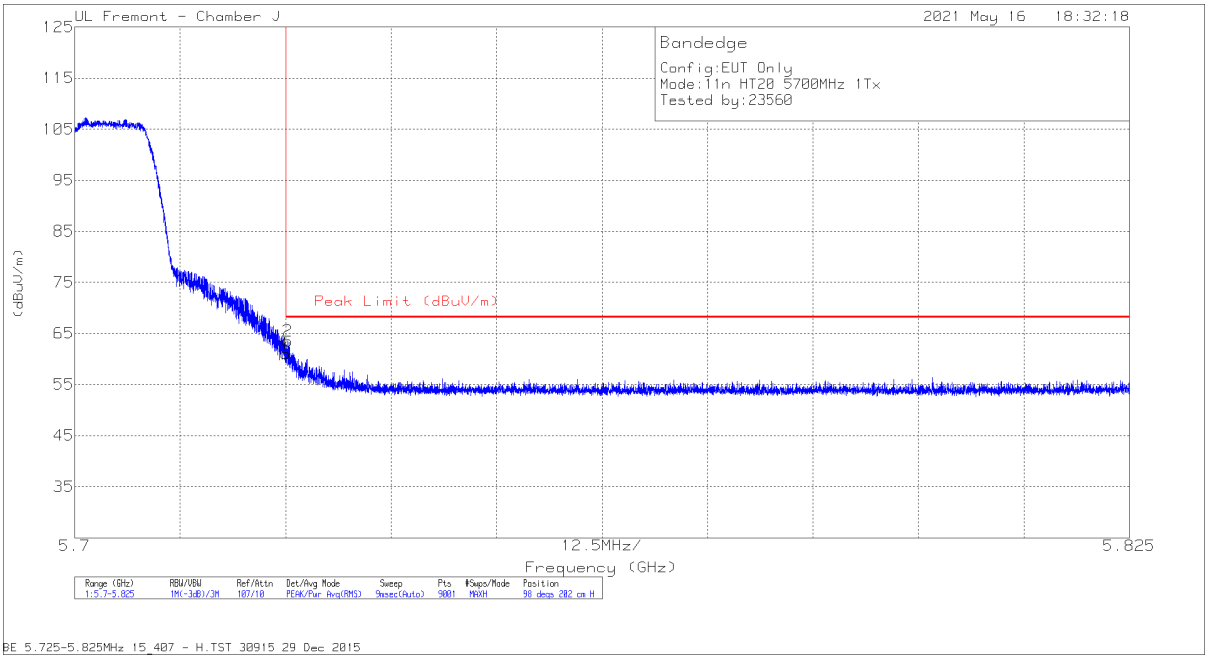
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.725 | 45.9 | Pk | 35 | -19.9 | 61 | 68.2 | -7.2 | 98 | 202 | H |
| 2 | 5.72522 | 48.46 | Pk | 35 | -19.9 | 63.56 | 68.2 | -4.64 | 98 | 202 | H |

Pk - Peak detector



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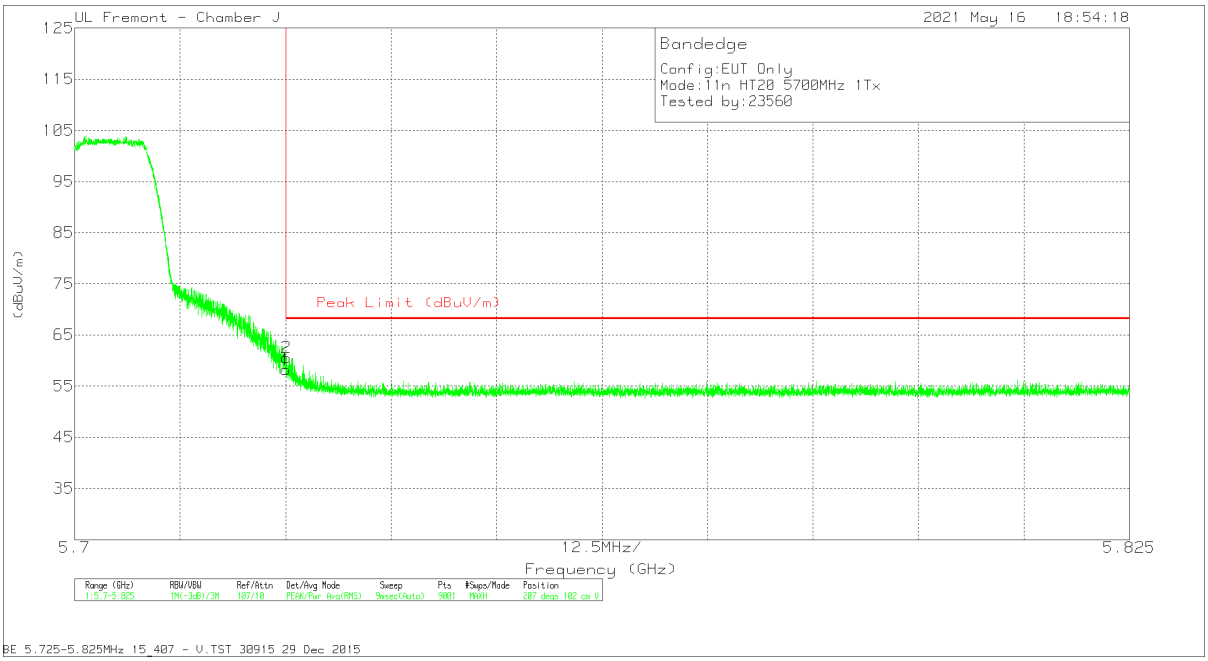
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.725 | 43.15 | Pk | 35 | -19.9 | 58.25 | 68.2 | -9.95 | 207 | 102 | V |
| 2 | 5.72511 | 45.5 | Pk | 35 | -19.9 | 60.6 | 68.2 | -7.6 | 207 | 102 | V |

Pk - Peak detector



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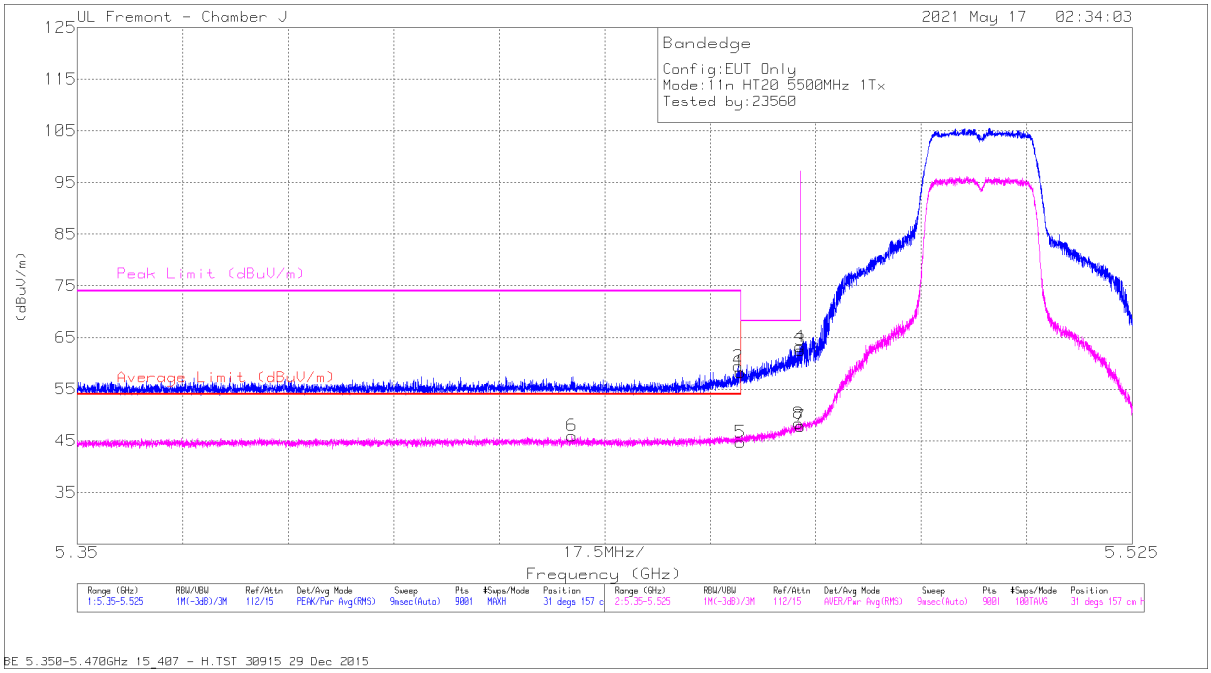
**1TX ANTENNA 5**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 5.45999 | 43.75 | Pk | 34.6 | -20.1 | 0 | 58.25 | - | - | 74 | -15.75 | 31 | 157 | H |
| 2 | * 5.45964 | 44.84 | Pk | 34.7 | -20.1 | 0 | 59.44 | - | - | 74 | -14.56 | 31 | 157 | H |
| 3 | 5.46999 | 47.96 | Pk | 34.7 | -20.1 | 0 | 62.56 | - | - | 68.2 | -5.64 | 31 | 157 | H |
| 4 | 5.46989 | 48.6 | Pk | 34.7 | -20.1 | 0 | 63.2 | - | - | 68.2 | -5 | 31 | 157 | H |
| 5 | * 5.45999 | 29.83 | RMS | 34.6 | -20.1 | .37 | 44.7 | 54 | -9.3 | - | - | 31 | 157 | H |
| 6 | * 5.43205 | 31.2 | RMS | 34.6 | -20.2 | .37 | 45.97 | 54 | -8.03 | - | - | 31 | 157 | H |
| 7 | 5.46999 | 32.84 | RMS | 34.7 | -20.1 | .37 | 47.81 | - | - | - | - | 31 | 157 | H |
| 8 | 5.46966 | 33.38 | RMS | 34.7 | -20.1 | .37 | 48.35 | - | - | - | - | 31 | 157 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection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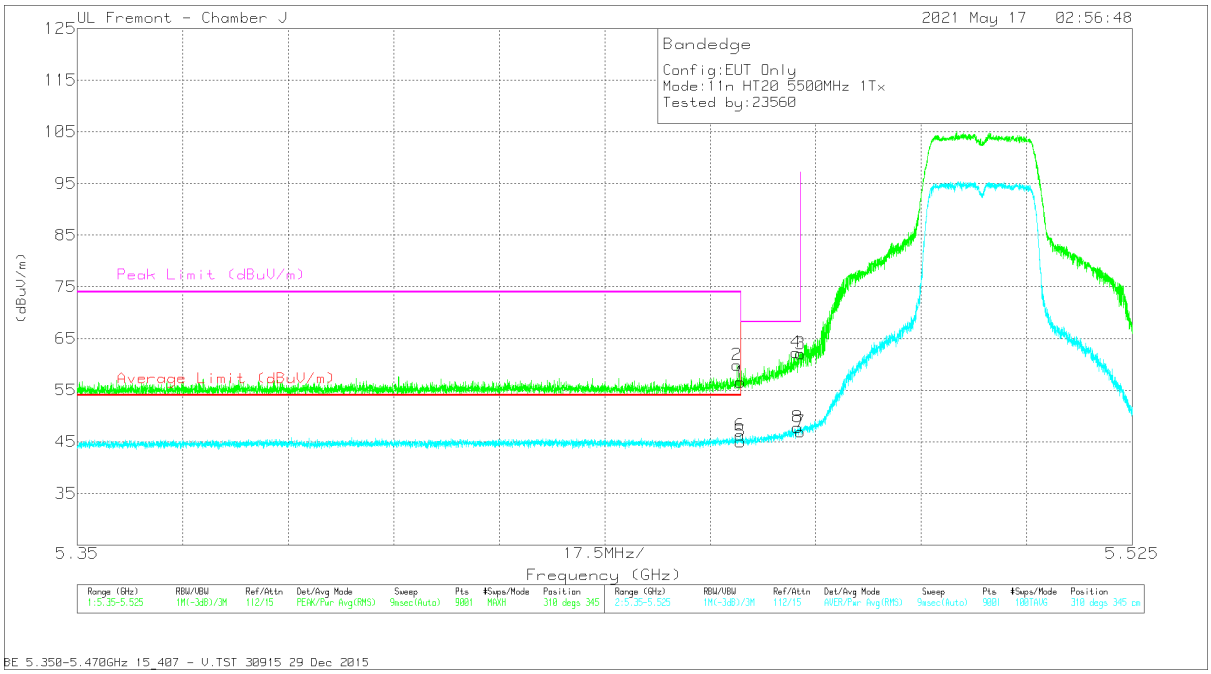
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 5.45999 | 42.02 | Pk | 34.6 | -20.1 | 0 | 56.52 | - | - | 74 | -17.48 | 310 | 345 | V |
| 2 | * 5.45943 | 45.27 | Pk | 34.7 | -20.1 | 0 | 59.87 | - | - | 74 | -14.13 | 310 | 345 | V |
| 3 | 5.46999 | 47.45 | Pk | 34.7 | -20.1 | 0 | 62.05 | - | - | 68.2 | -6.15 | 310 | 345 | V |
| 4 | 5.46921 | 47.71 | Pk | 34.7 | -20.1 | 0 | 62.31 | - | - | 68.2 | -5.89 | 310 | 345 | V |
| 5 | * 5.45999 | 30.15 | RMS | 34.6 | -20.1 | .37 | 45.02 | 54 | -8.98 | - | - | 310 | 345 | V |
| 6 | * 5.45992 | 31.41 | RMS | 34.6 | -20.1 | .37 | 46.28 | 54 | -7.72 | - | - | 310 | 345 | V |
| 7 | 5.46999 | 31.93 | RMS | 34.7 | -20.1 | .37 | 46.9 | - | - | - | - | 310 | 345 | V |
| 8 | 5.46948 | 32.83 | RMS | 34.7 | -20.1 | .37 | 47.8 | - | - | - | - | 310 | 345 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection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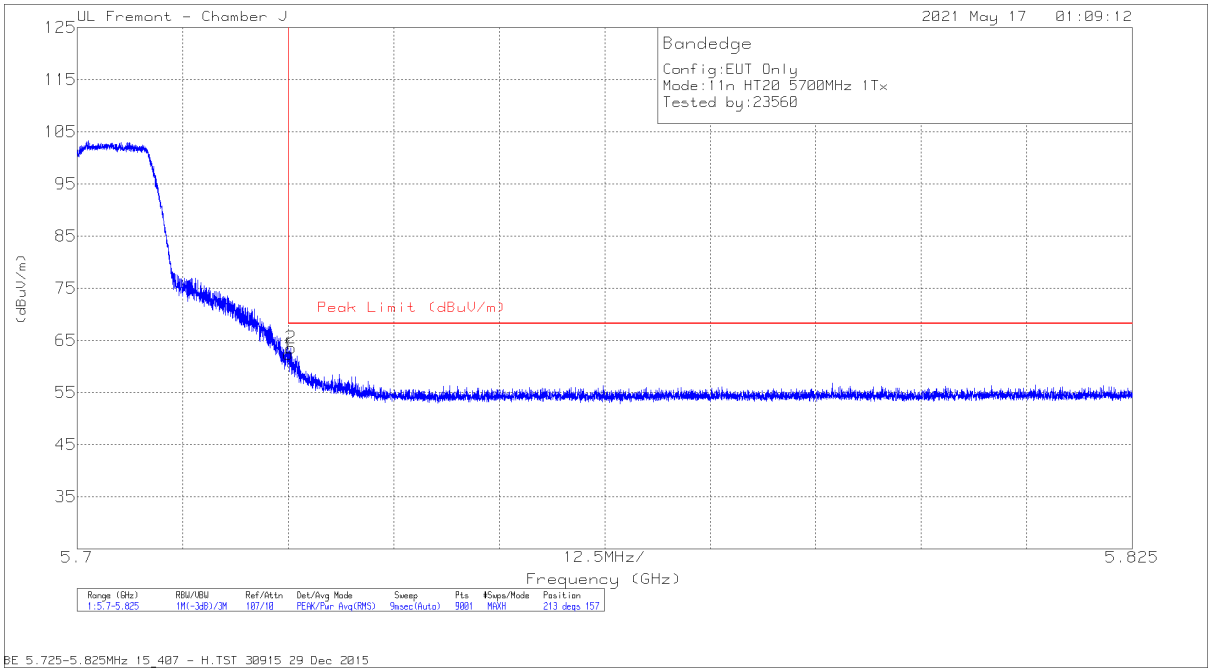
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.725 | 47.24 | Pk | 35 | -19.9 | 62.34 | 68.2 | -5.86 | 213 | 157 | H |
| 2 | 5.72533 | 48.45 | Pk | 35 | -19.9 | 63.55 | 68.2 | -4.65 | 213 | 157 | H |

Pk - Peak detector



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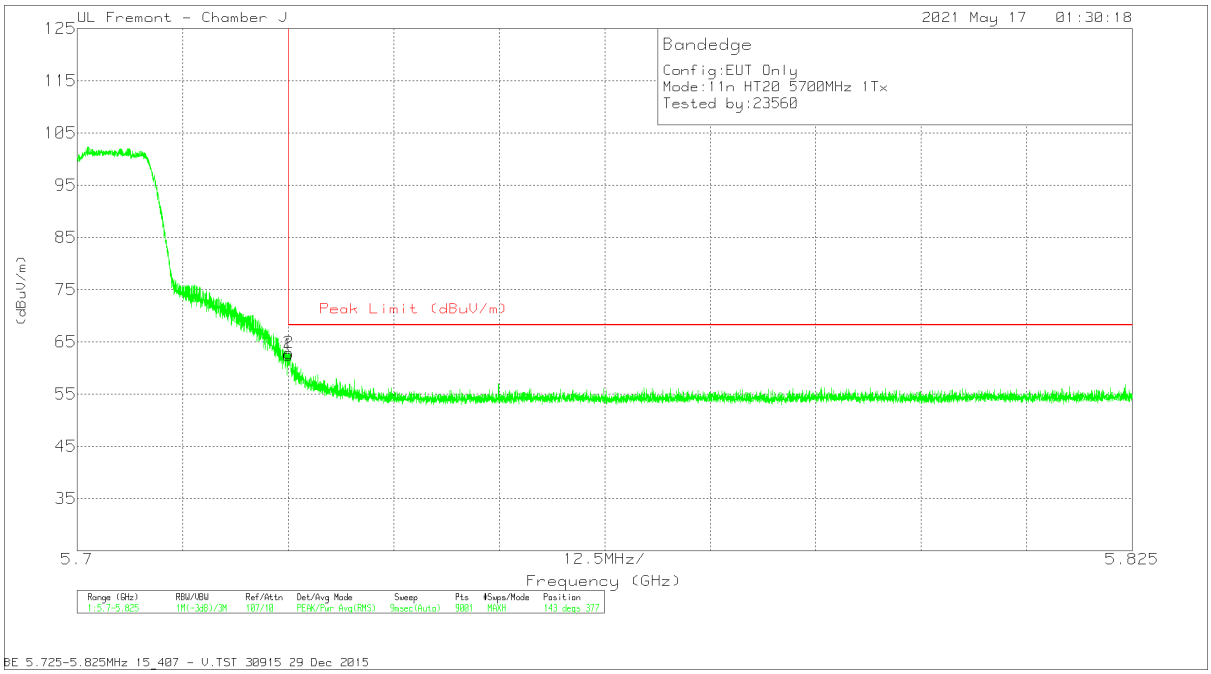
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.725 | 47.44 | Pk | 35 | -19.9 | 62.54 | 68.2 | -5.66 | 143 | 377 | V |
| 2 | 5.7251 | 47.78 | Pk | 35 | -19.9 | 62.88 | 68.2 | -5.32 | 143 | 377 | V |

Pk - Peak detector



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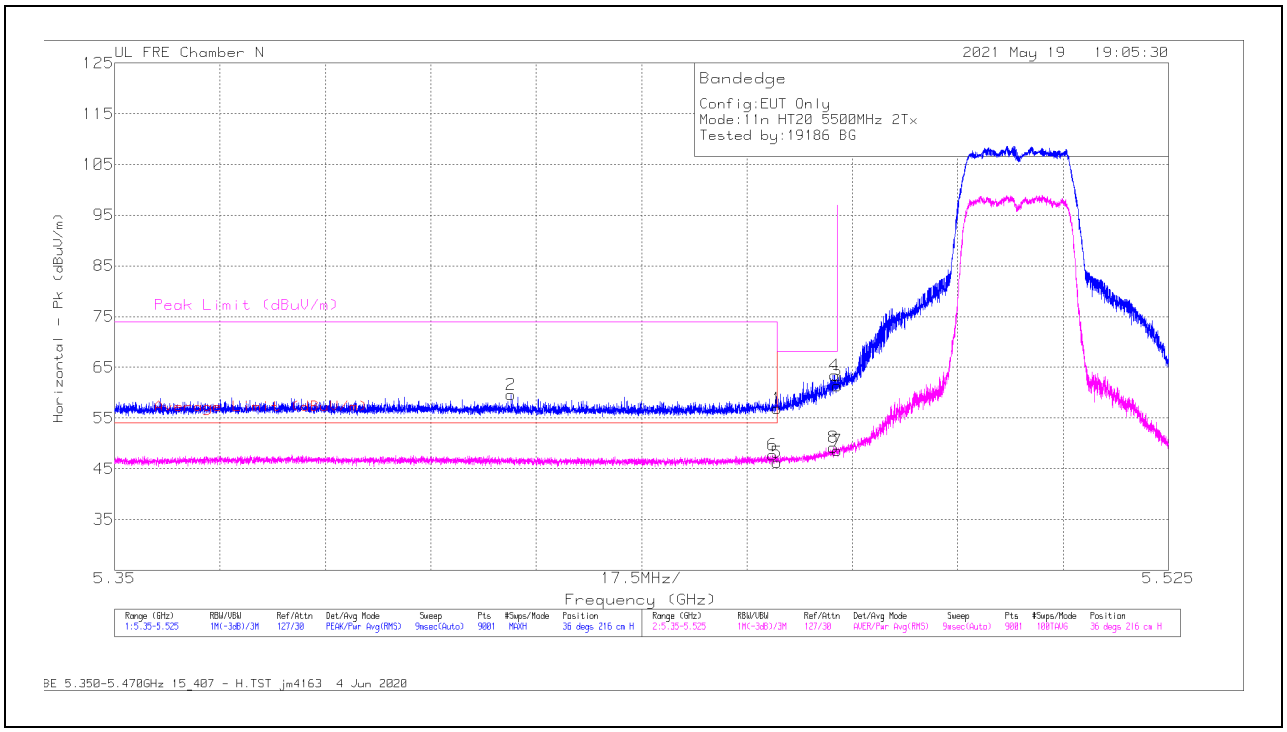
**2TX ANTENNA 6 + ANTENNA 5 CDD MODE**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.41586 | 58.06 | Pk | 34.6 | -33.1 | 0 | 59.56 | - | - | 74 | -14.44 | 36 | 216 | H |
| 6 | 5.45924 | 45.5 | RMS | 34.5 | -32.9 | .62 | 47.72 | 54 | -6.28 | - | - | 36 | 216 | H |
| 1 | 5.45999 | 55.32 | Pk | 34.5 | -32.9 | 0 | 56.92 | - | - | 74 | -17.08 | 36 | 216 | H |
| 5 | 5.45999 | 43.99 | RMS | 34.5 | -32.9 | .62 | 46.21 | 54 | -7.79 | - | - | 36 | 216 | H |
| 8 | 5.46941 | 46.86 | RMS | 34.5 | -32.8 | .62 | 49.18 | - | - | - | - | 36 | 216 | H |
| 4 | 5.46962 | 61.78 | Pk | 34.5 | -32.8 | 0 | 63.48 | - | - | 68.2 | -4.72 | 36 | 216 | H |
| 3 | 5.46999 | 59.68 | Pk | 34.5 | -32.8 | 0 | 61.38 | - | - | 68.2 | -6.82 | 36 | 216 | H |
| 7 | 5.46999 | 46.27 | RMS | 34.5 | -32.8 | .62 | 48.59 | - | - | - | - | 36 | 216 | H |

Pk - Peak detector
RMS - RMS detection



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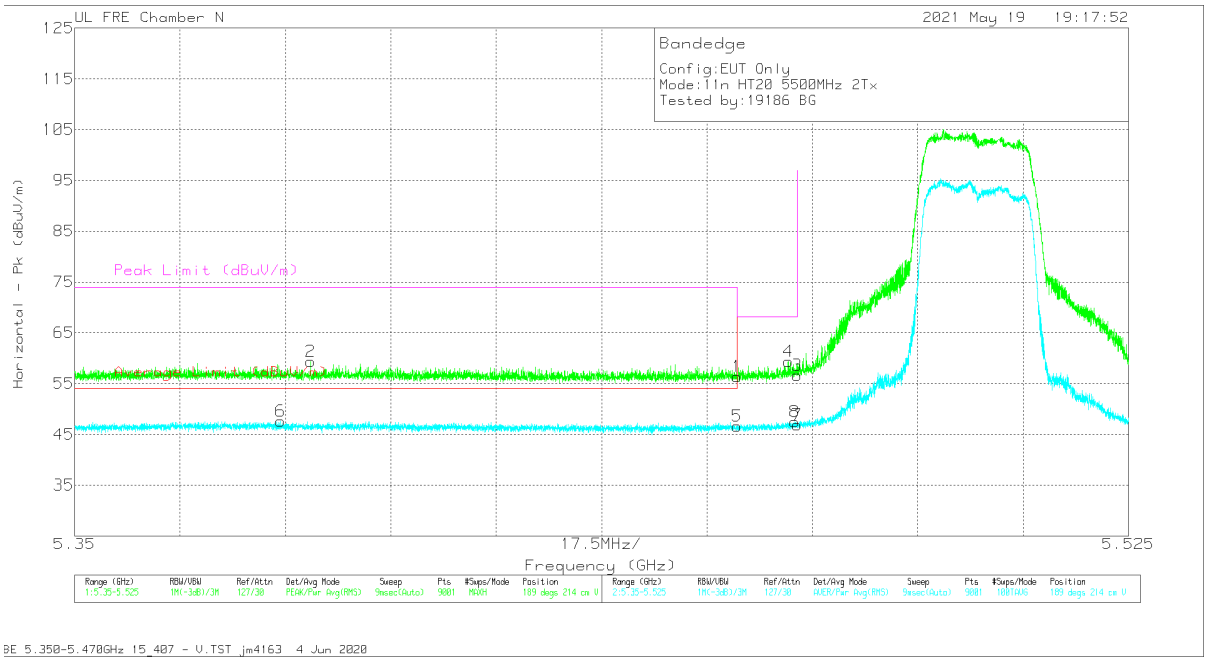
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.38424 | 45.33 | RMS | 34.6 | -33 | .62 | 47.55 | 54 | -6.45 | - | - | 189 | 214 | V |
| 2 | 5.3892 | 57.8 | Pk | 34.5 | -33 | 0 | 59.3 | - | - | 74 | -14.7 | 189 | 214 | V |
| 1 | 5.45999 | 54.83 | Pk | 34.5 | -32.9 | 0 | 56.43 | - | - | 74 | -17.57 | 189 | 214 | V |
| 5 | 5.45999 | 44.41 | RMS | 34.5 | -32.9 | .62 | 46.63 | 54 | -7.37 | - | - | 189 | 214 | V |
| 4 | 5.46857 | 57.64 | Pk | 34.5 | -32.8 | 0 | 59.34 | - | - | 68.2 | -8.86 | 189 | 214 | V |
| 8 | 5.46962 | 45.12 | RMS | 34.5 | -32.8 | .62 | 47.44 | - | - | - | - | 189 | 214 | V |
| 3 | 5.46999 | 54.97 | Pk | 34.5 | -32.8 | 0 | 56.67 | - | - | 68.2 | -11.53 | 189 | 214 | V |
| 7 | 5.46999 | 44.6 | RMS | 34.5 | -32.8 | .62 | 46.92 | - | - | - | - | 189 | 214 | V |

Pk - Peak detector
RMS - RMS detection



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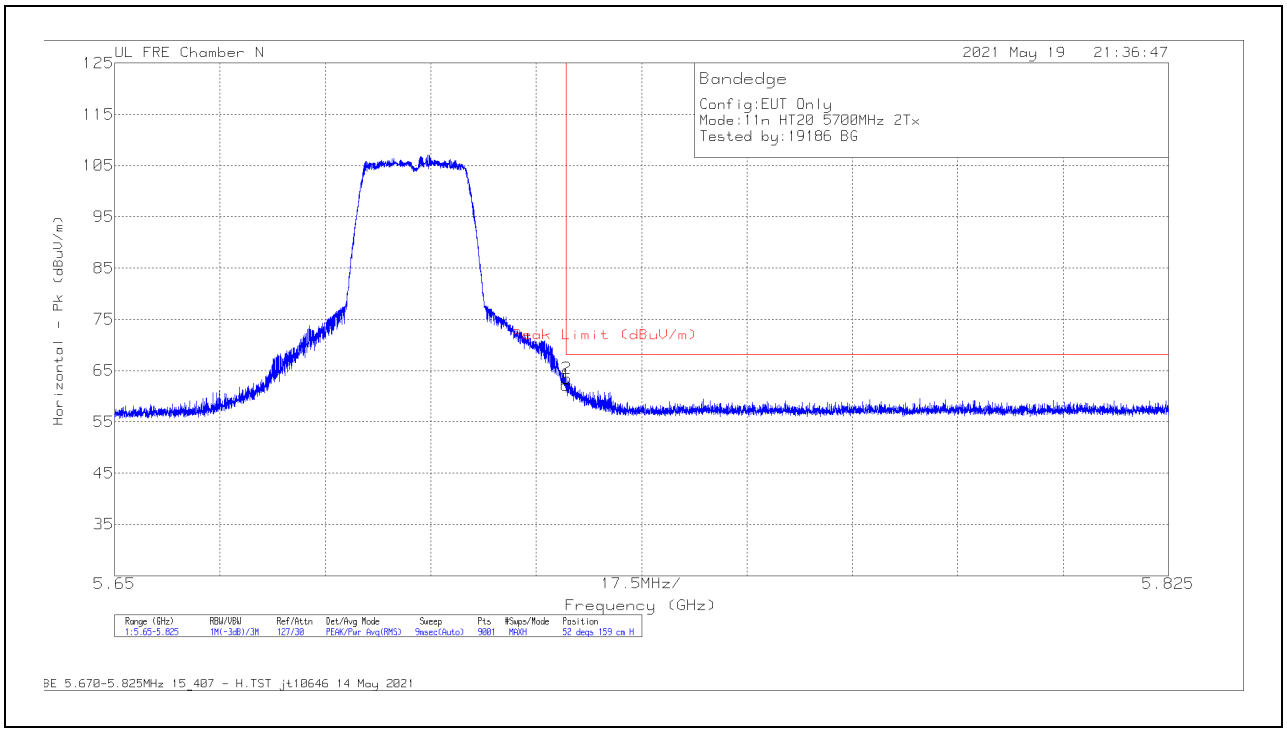
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 60.28 | Pk | 34.6 | -32.7 | 62.18 | 68.2 | -6.02 | 52 | 159 | H |
| 2 | 5.72505 | 61.63 | Pk | 34.6 | -32.7 | 63.53 | 68.2 | -4.67 | 52 | 159 | H |

Pk - Peak detector



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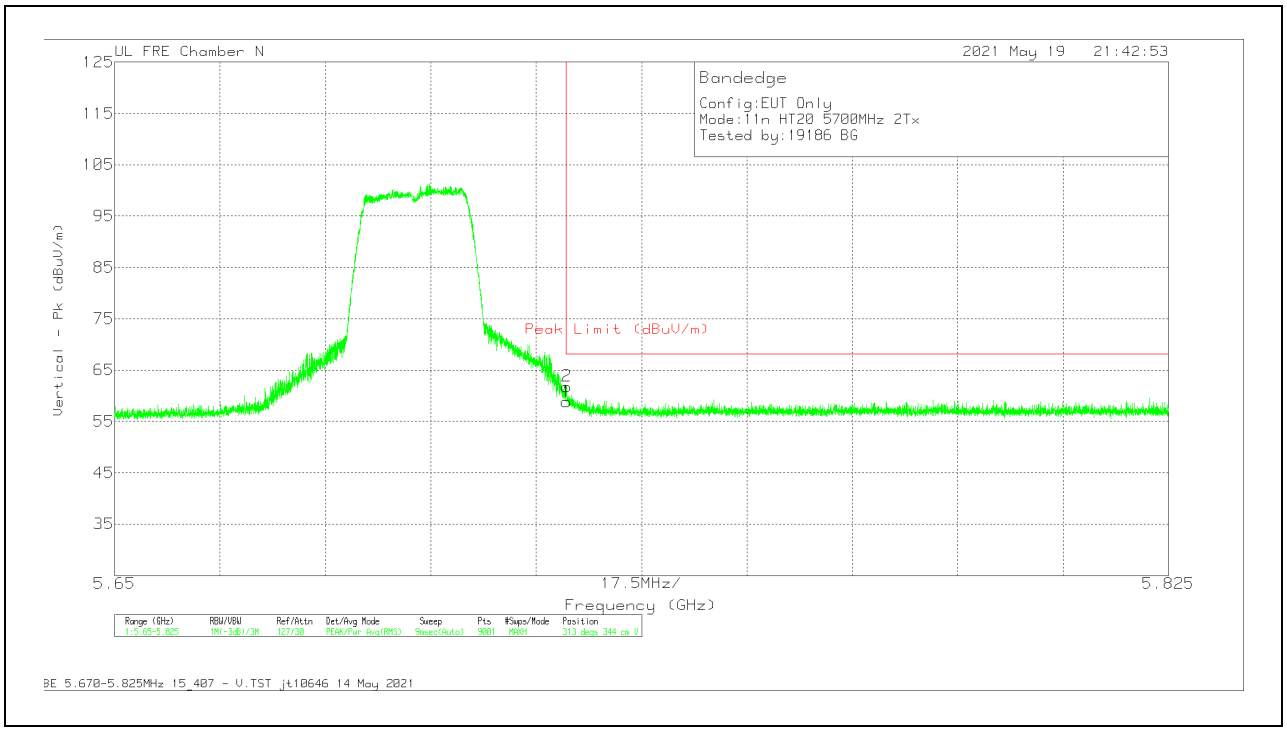
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 56.9 | Pk | 34.6 | -32.7 | 58.8 | 68.2 | -9.4 | 313 | 344 | V |
| 2 | 5.72507 | 59.94 | Pk | 34.6 | -32.7 | 61.84 | 68.2 | -6.36 | 313 | 344 | V |

Pk - Peak detector



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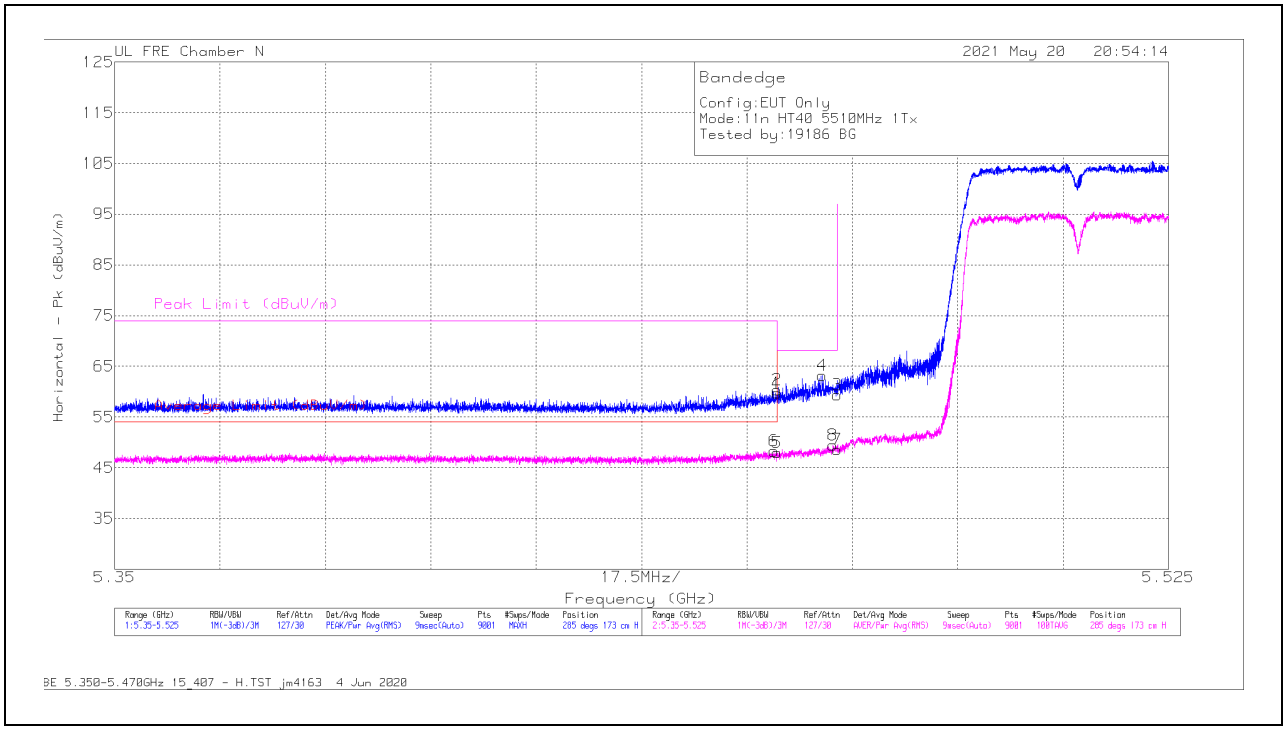
### 1.1.14. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

**1TX ANTENNA 6**

## BANDEDGE (LOW CHANNEL)

## HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.45949 | 46.04 | RMS | 34.5 | -32.9 | .65 | 48.29 | 54 | -5.71 | - | - | 285 | 173 | H |
| 2 | 5.45996 | 58.72 | Pk | 34.5 | -32.9 | 0 | 60.32 | - | - | 74 | -13.68 | 285 | 173 | H |
| 1 | 5.45999 | 58.11 | Pk | 34.5 | -32.9 | 0 | 59.71 | - | - | 74 | -14.29 | 285 | 173 | H |
| 5 | 5.45999 | 45.76 | RMS | 34.5 | -32.9 | .65 | 48.01 | 54 | -5.99 | - | - | 285 | 173 | H |
| 4 | 5.46748 | 61.74 | Pk | 34.4 | -32.9 | 0 | 63.24 | - | - | 68.2 | -4.96 | 285 | 173 | H |
| 8 | 5.46929 | 47.09 | RMS | 34.5 | -32.8 | .65 | 49.44 | - | - | - | - | 285 | 173 | H |
| 3 | 5.46999 | 57.71 | Pk | 34.5 | -32.8 | 0 | 59.41 | - | - | 68.2 | -8.79 | 285 | 173 | H |
| 7 | 5.46999 | 46.2 | RMS | 34.5 | -32.8 | .65 | 48.55 | - | - | - | - | 285 | 173 | H |

Pk - Peak detector
RMS - RMS detection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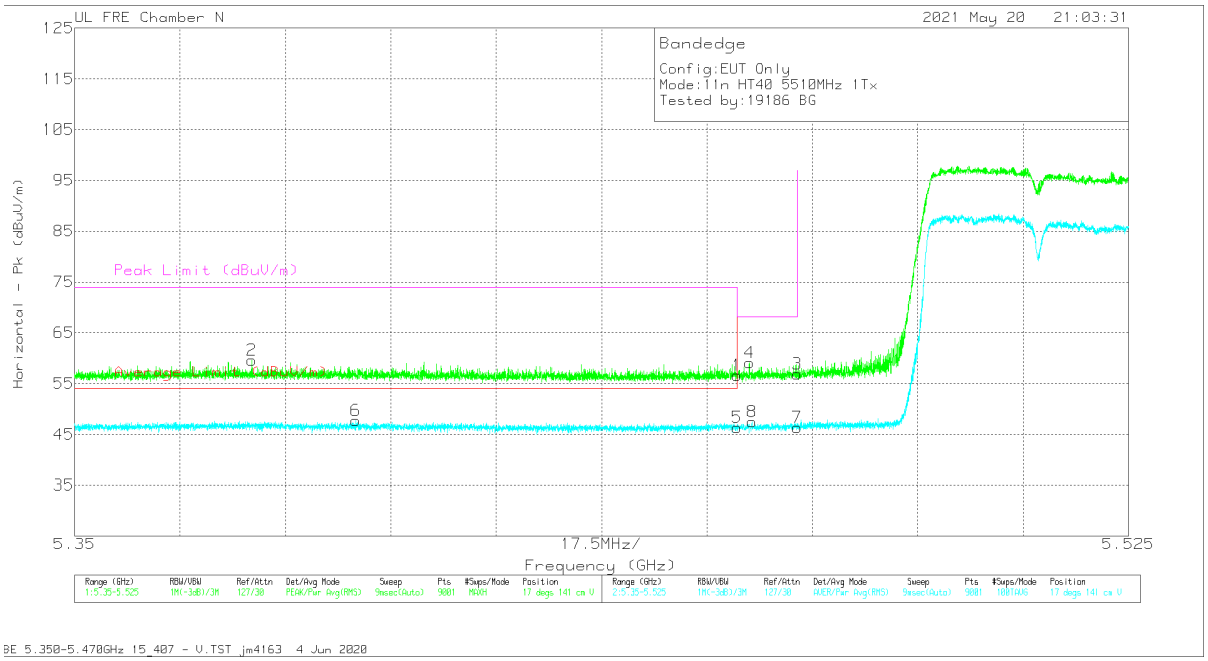
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.37944 | 58.02 | Pk | 34.6 | -33 | 0 | 59.62 | - | - | 74 | -14.38 | 17 | 141 | V |
| 6 | 5.39665 | 45.51 | RMS | 34.6 | -33 | .65 | 47.76 | 54 | -6.24 | - | - | 17 | 141 | V |
| 1 | 5.45999 | 55.05 | Pk | 34.5 | -32.9 | 0 | 56.65 | - | - | 74 | -17.35 | 17 | 141 | V |
| 5 | 5.45999 | 44.16 | RMS | 34.5 | -32.9 | .65 | 46.41 | 54 | -7.59 | - | - | 17 | 141 | V |
| 4 | 5.46204 | 57.62 | Pk | 34.4 | -32.9 | 0 | 59.12 | - | - | 68.2 | -9.08 | 17 | 141 | V |
| 8 | 5.46252 | 45.28 | RMS | 34.4 | -32.9 | .65 | 47.43 | - | - | - | - | 17 | 141 | V |
| 3 | 5.46999 | 55.21 | Pk | 34.5 | -32.8 | 0 | 56.91 | - | - | 68.2 | -11.29 | 17 | 141 | V |
| 7 | 5.46999 | 43.99 | RMS | 34.5 | -32.8 | .65 | 46.34 | - | - | - | - | 17 | 141 | V |

Pk - Peak detector
RMS - RMS detection



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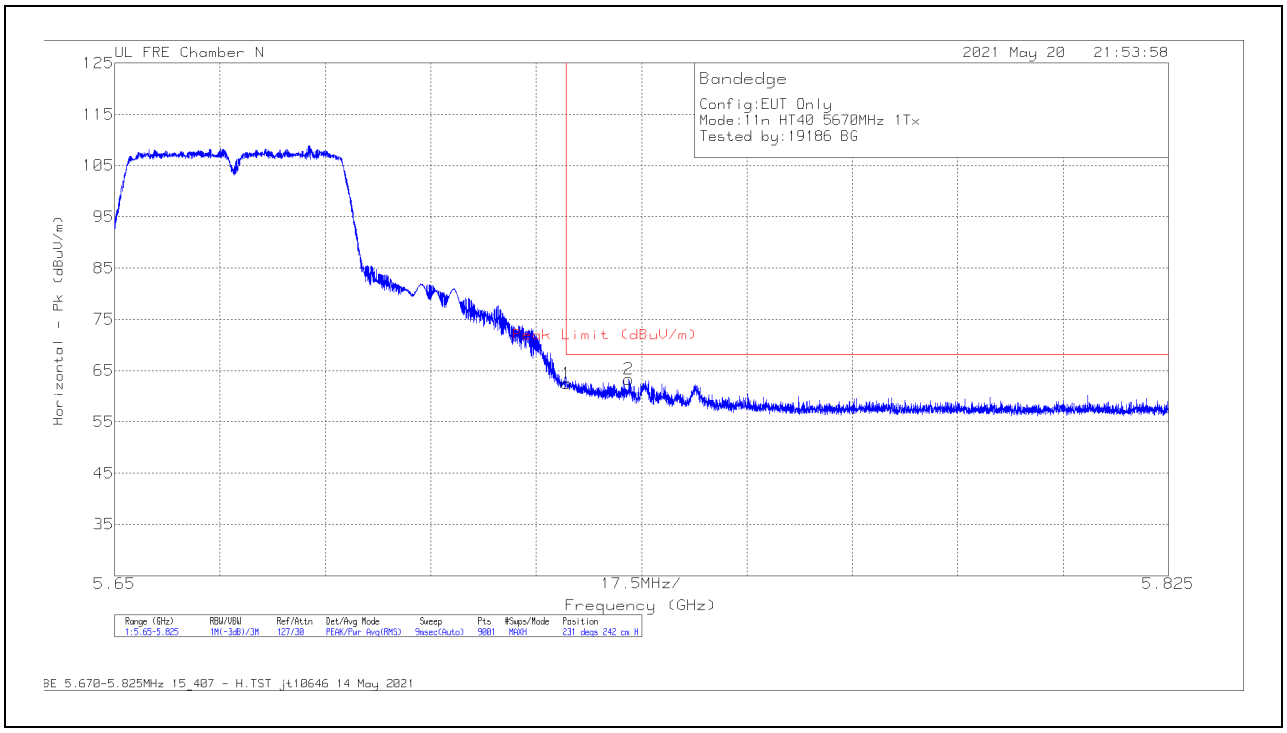
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 60.61 | Pk | 34.6 | -32.7 | 62.51 | 68.2 | -5.69 | 231 | 242 | H |
| 2 | 5.7354 | 61.31 | Pk | 34.7 | -32.7 | 63.31 | 68.2 | -4.89 | 231 | 242 | H |

Pk - Peak detector



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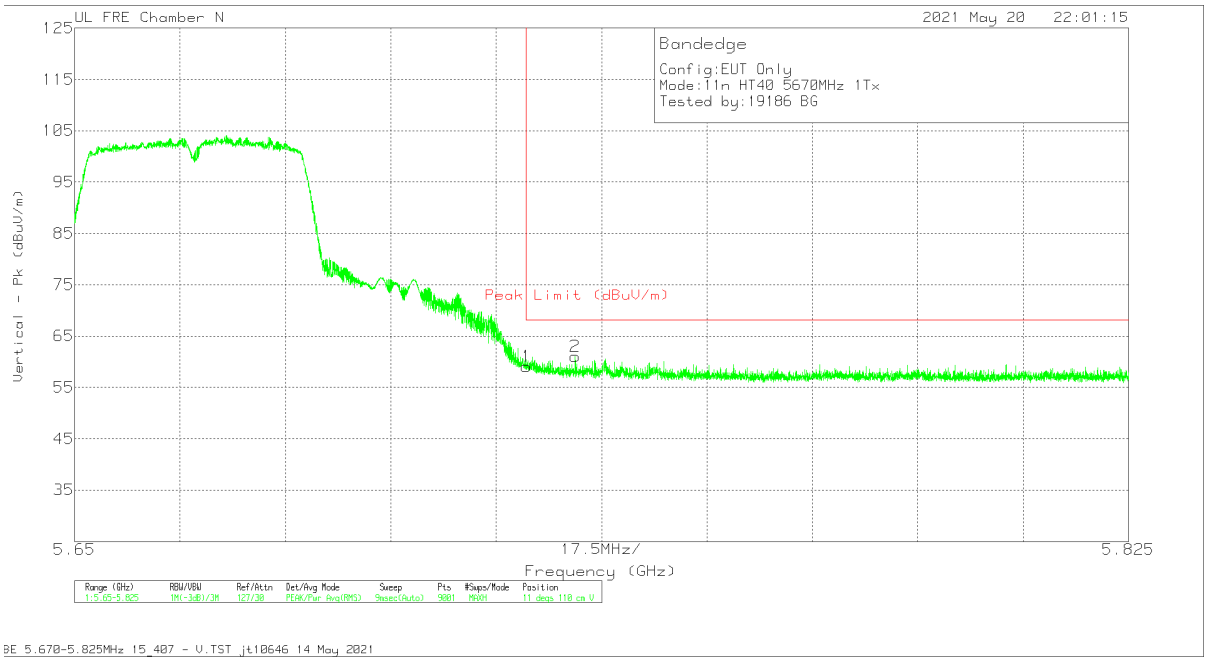
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 57.21 | Pk | 34.6 | -32.7 | 59.11 | 68.2 | -9.09 | 11 | 110 | V |
| 2 | 5.73312 | 59 | Pk | 34.7 | -32.7 | 61 | 68.2 | -7.2 | 11 | 110 | V |

Pk - Peak detector



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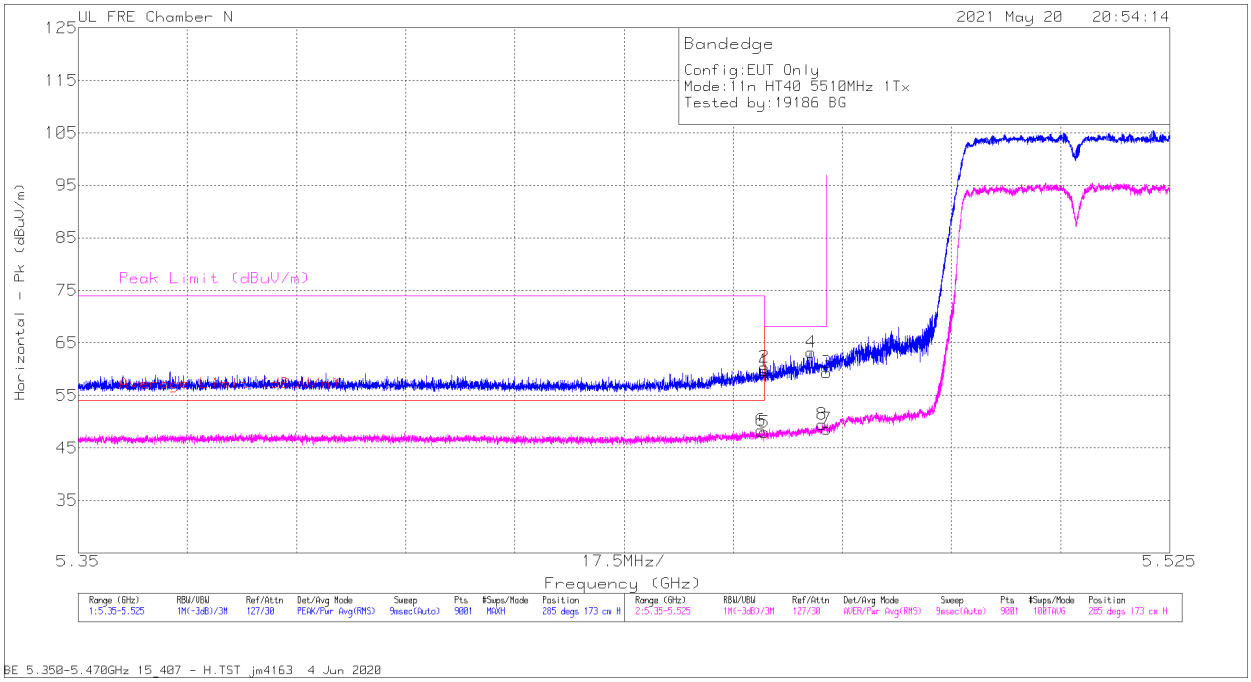
**1TX ANTENNA 5**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.37318 | 57.51 | Pk | 34.5 | -33 | 0 | 59.01 | - | - | 74 | -14.99 | 124 | 373 | H |
| 6 | 5.37611 | 45.53 | RMS | 34.5 | -33 | .65 | 47.68 | 54 | -6.32 | - | - | 124 | 373 | H |
| 1 | 5.45999 | 55.7 | Pk | 34.5 | -32.9 | 0 | 57.3 | - | - | 74 | -16.7 | 124 | 373 | H |
| 5 | 5.45999 | 43.91 | RMS | 34.5 | -32.9 | .65 | 46.16 | 54 | -7.84 | - | - | 124 | 373 | H |
| 4 | 5.46034 | 57.73 | Pk | 34.5 | -32.9 | 0 | 59.33 | - | - | 68.2 | -8.87 | 124 | 373 | H |
| 8 | 5.46869 | 45.35 | RMS | 34.5 | -32.8 | .65 | 47.7 | - | - | - | - | 124 | 373 | H |
| 3 | 5.46999 | 54.94 | Pk | 34.5 | -32.8 | 0 | 56.64 | - | - | 68.2 | -11.56 | 124 | 373 | H |
| 7 | 5.46999 | 44.38 | RMS | 34.5 | -32.8 | .65 | 46.73 | - | - | - | - | 124 | 373 | H |

Pk - Peak detector
RMS - RMS detection



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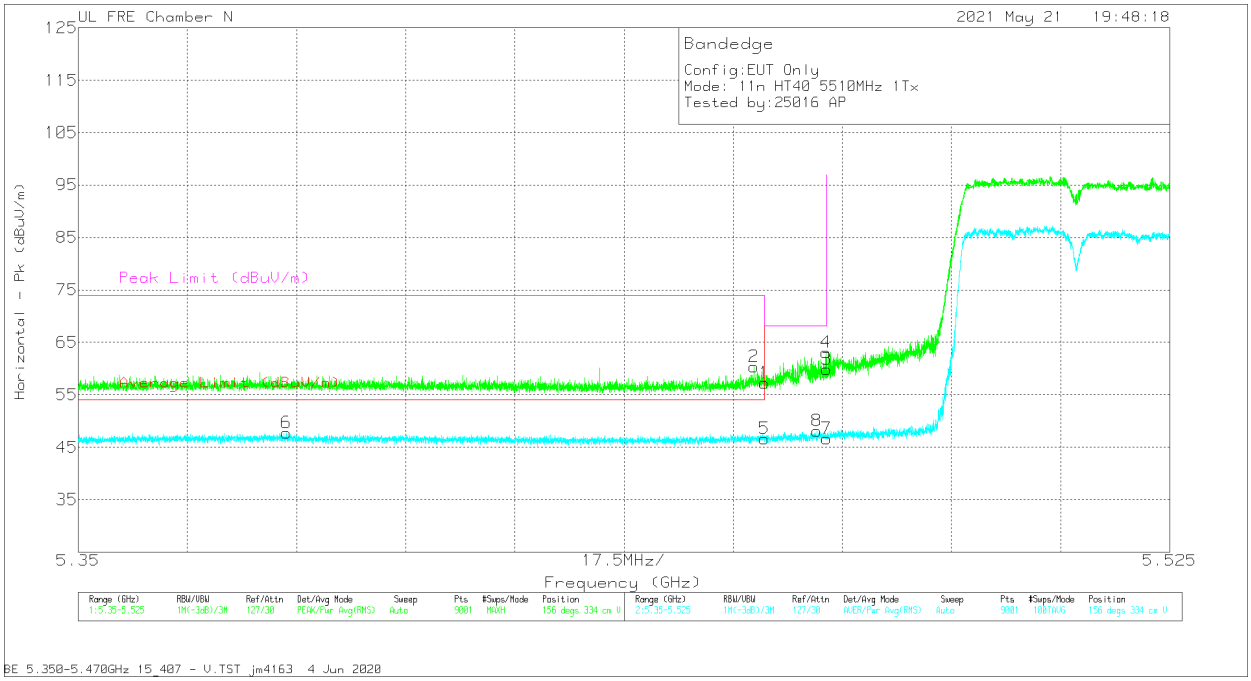
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.38337 | 45.51 | RMS | 34.6 | -33 | .65 | 47.76 | 54 | -6.24 | - | - | 156 | 334 | V |
| 2 | 5.45834 | 58.69 | Pk | 34.5 | -32.9 | 0 | 60.29 | - | - | 74 | -13.71 | 156 | 334 | V |
| 1 | 5.45999 | 55.67 | Pk | 34.5 | -32.9 | 0 | 57.27 | - | - | 74 | -16.73 | 156 | 334 | V |
| 5 | 5.45999 | 44.33 | RMS | 34.5 | -32.9 | .65 | 46.58 | 54 | -7.42 | - | - | 156 | 334 | V |
| 8 | 5.46845 | 45.75 | RMS | 34.5 | -32.8 | .65 | 48.1 | - | - | - | - | 156 | 334 | V |
| 4 | 5.46989 | 61.41 | Pk | 34.5 | -32.8 | 0 | 63.11 | - | - | 68.2 | -5.09 | 156 | 334 | V |
| 3 | 5.46999 | 58.16 | Pk | 34.5 | -32.8 | 0 | 59.86 | - | - | 68.2 | -8.34 | 156 | 334 | V |
| 7 | 5.46999 | 44.29 | RMS | 34.5 | -32.8 | .65 | 46.64 | - | - | - | - | 156 | 334 | V |

Pk - Peak detector
RMS - RMS detection



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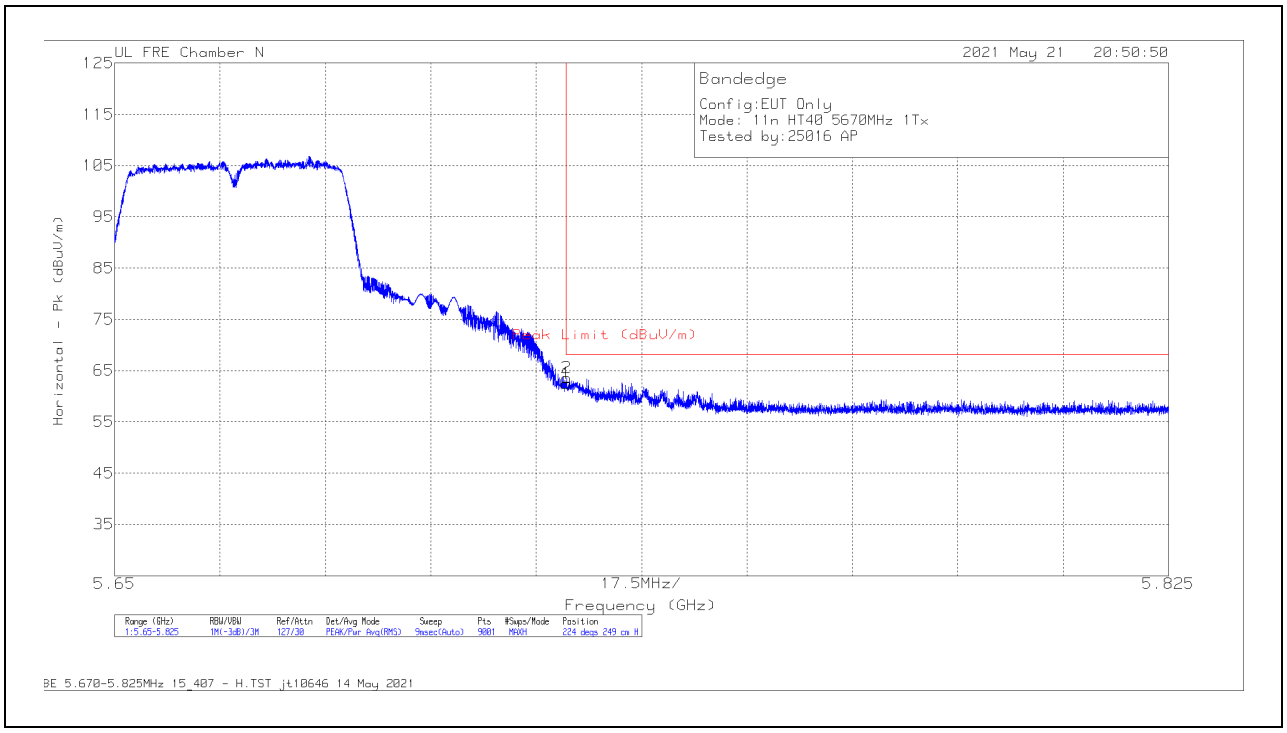
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pa d (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 60.57 | Pk | 34.6 | -32.7 | 62.47 | 68.2 | -5.73 | 224 | 249 | H |
| 2 | 5.72507 | 61.7 | Pk | 34.6 | -32.7 | 63.6 | 68.2 | -4.6 | 224 | 249 | H |

Pk - Peak detector



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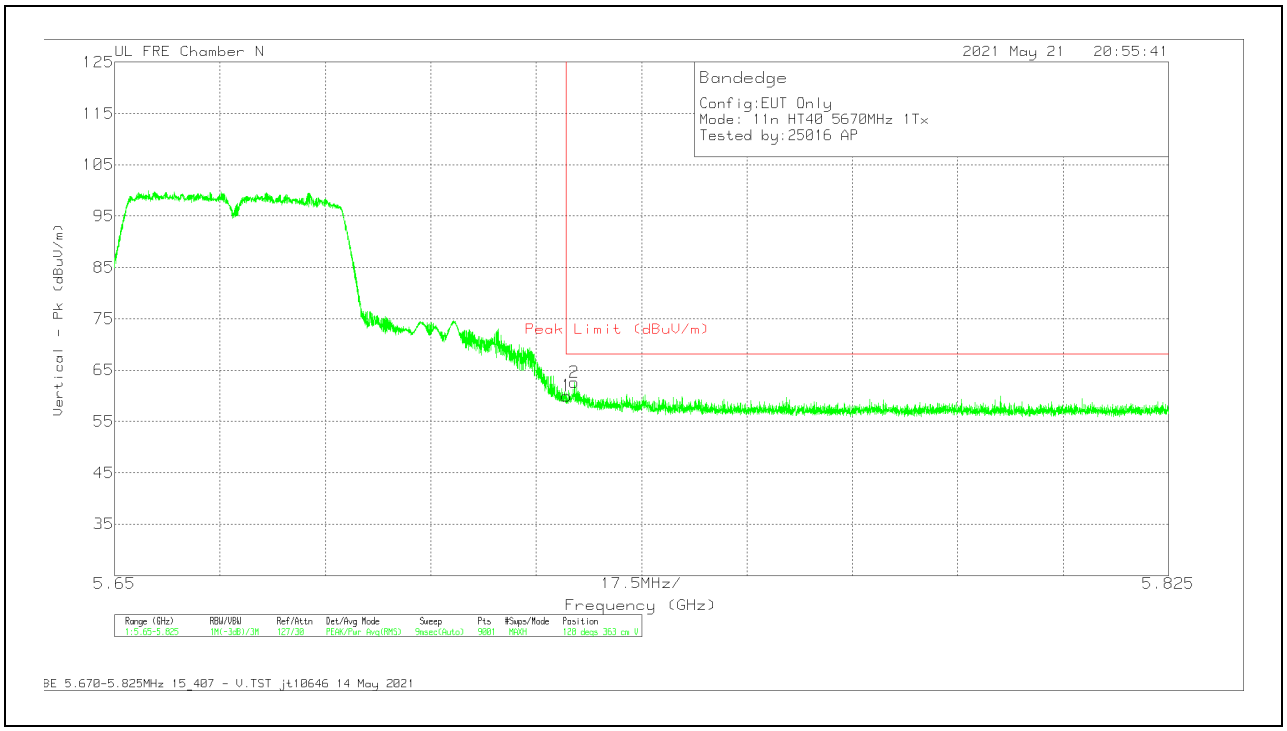
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 58.1 | Pk | 34.6 | -32.7 | 60 | 68.2 | -8.2 | 128 | 363 | V |
| 2 | 5.72634 | 60.74 | Pk | 34.6 | -32.7 | 62.64 | 68.2 | -5.56 | 128 | 363 | V |

Pk - Peak detector



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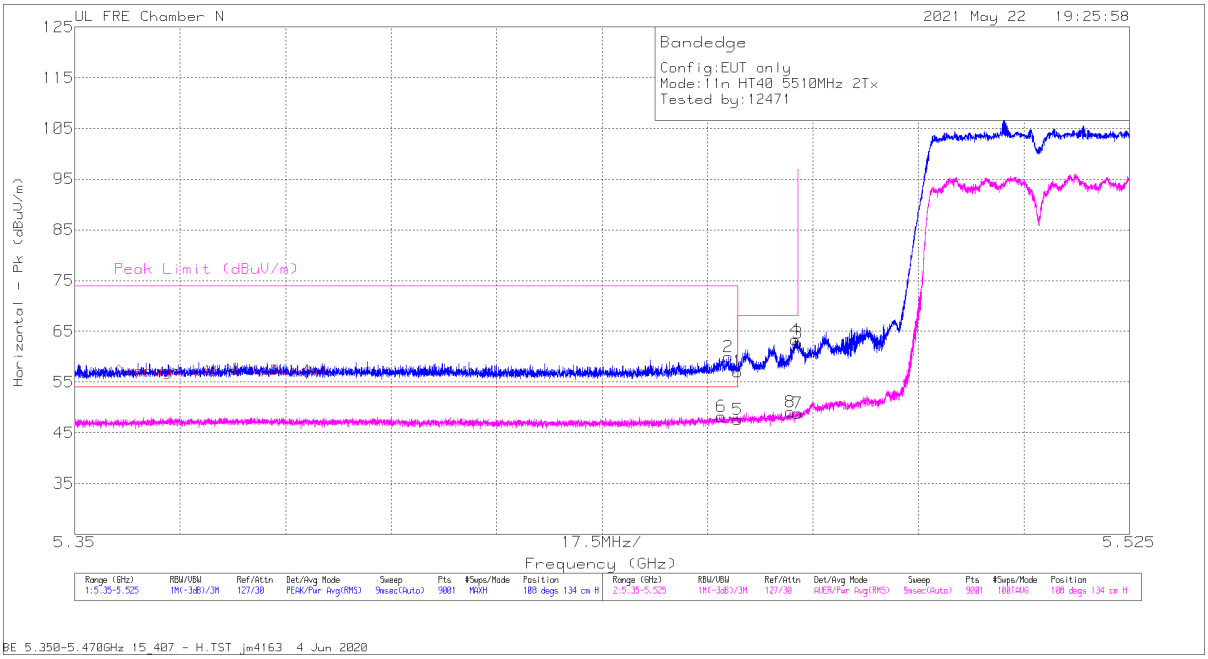
**2TX ANTENNA 6 + ANTENNA 5 CDD MODE**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.45735 | 45.66 | RMS | 34.5 | -32.9 | .94 | 48.2 | 54 | -5.8 | - | - | 108 | 134 | H |
| 2 | 5.45846 | 58.4 | Pk | 34.5 | -32.9 | 0 | 60 | - | - | 74 | -14 | 108 | 134 | H |
| 1 | 5.45999 | 55.47 | Pk | 34.5 | -32.9 | 0 | 57.07 | - | - | 74 | -16.93 | 108 | 134 | H |
| 5 | 5.45999 | 45.01 | RMS | 34.5 | -32.9 | .94 | 47.55 | 54 | -6.45 | - | - | 108 | 134 | H |
| 8 | 5.46878 | 46.45 | RMS | 34.5 | -32.8 | .94 | 49.09 | - | - | - | - | 108 | 134 | H |
| 4 | 5.46958 | 61.59 | Pk | 34.5 | -32.8 | 0 | 63.29 | - | - | 68.2 | -4.91 | 108 | 134 | H |
| 3 | 5.46999 | 60.95 | Pk | 34.5 | -32.8 | 0 | 62.65 | - | - | 68.2 | -5.55 | 108 | 134 | H |
| 7 | 5.46999 | 46.25 | RMS | 34.5 | -32.8 | .94 | 48.89 | - | - | - | - | 108 | 134 | H |

Pk - Peak detector
RMS - RMS detection



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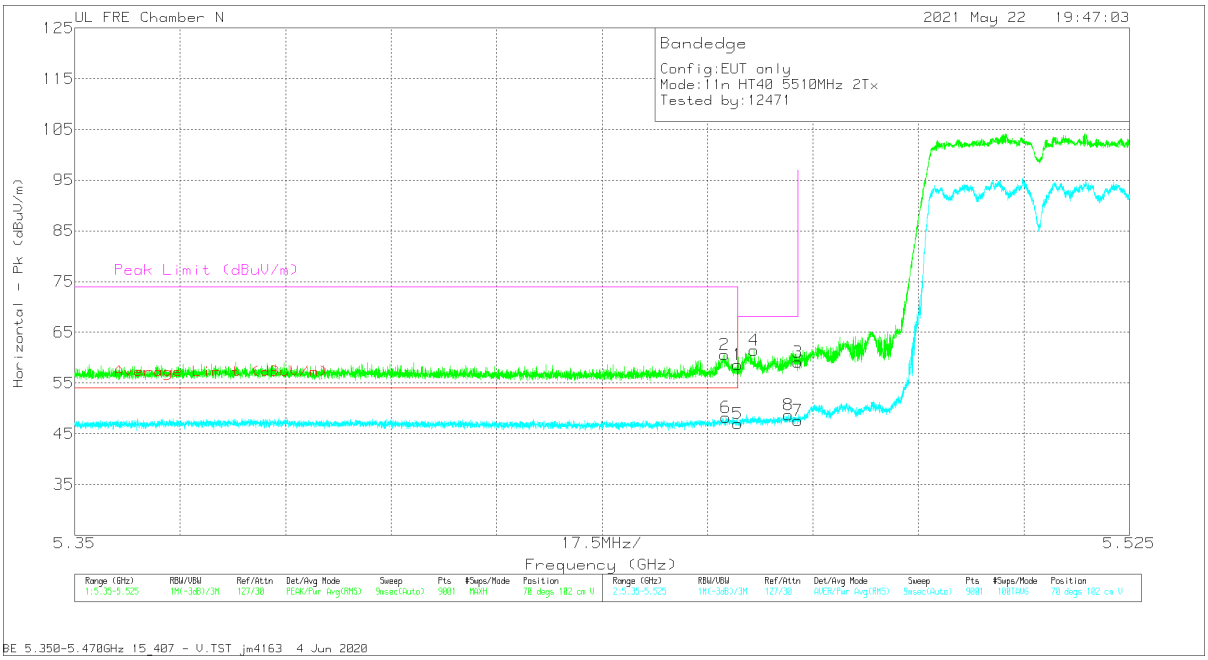
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.45786 | 59.02 | Pk | 34.5 | -32.9 | 0 | 60.62 | - | - | 74 | -13.38 | 70 | 102 | V |
| 6 | 5.45801 | 45.74 | RMS | 34.5 | -32.9 | .94 | 48.28 | 54 | -5.72 | - | - | 70 | 102 | V |
| 1 | 5.45999 | 56.97 | Pk | 34.5 | -32.9 | 0 | 58.57 | - | - | 74 | -15.43 | 70 | 102 | V |
| 5 | 5.45999 | 44.41 | RMS | 34.5 | -32.9 | .94 | 46.95 | 54 | -7.05 | - | - | 70 | 102 | V |
| 4 | 5.46276 | 59.94 | Pk | 34.4 | -32.9 | 0 | 61.44 | - | - | 68.2 | -6.76 | 70 | 102 | V |
| 8 | 5.46839 | 46.09 | RMS | 34.5 | -32.8 | .94 | 48.73 | - | - | - | - | 70 | 102 | V |
| 3 | 5.46999 | 57.38 | Pk | 34.5 | -32.8 | 0 | 59.08 | - | - | 68.2 | -9.12 | 70 | 102 | V |
| 7 | 5.46999 | 44.95 | RMS | 34.5 | -32.8 | .94 | 47.59 | - | - | - | - | 70 | 102 | V |

Pk - Peak detector
RMS - RMS detection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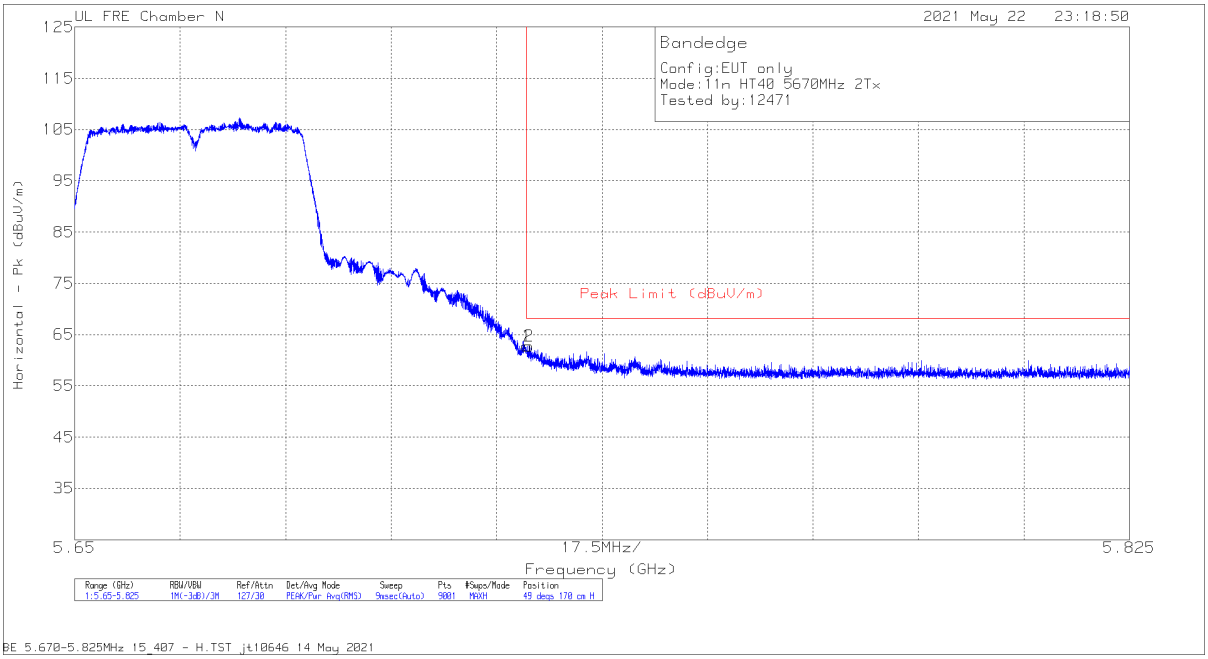
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 60.82 | Pk | 34.6 | -32.7 | 62.72 | 68.2 | -5.48 | 49 | 170 | H |
| 2 | 5.72535 | 60.8 | Pk | 34.6 | -32.7 | 62.7 | 68.2 | -5.5 | 49 | 170 | H |

Pk - Peak detector



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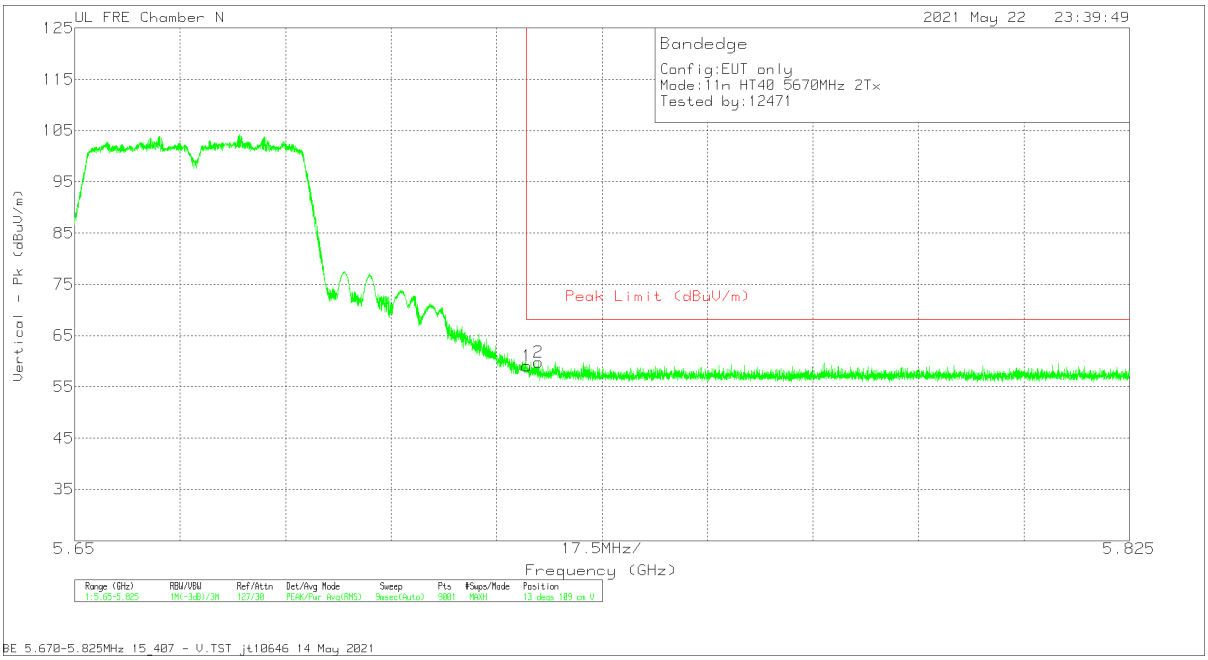
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 57.17 | Pk | 34.6 | -32.7 | 59.07 | 68.2 | -9.13 | 13 | 109 | V |
| 2 | 5.72692 | 57.97 | Pk | 34.6 | -32.7 | 59.87 | 68.2 | -8.33 | 13 | 109 | V |

Pk - Peak detector



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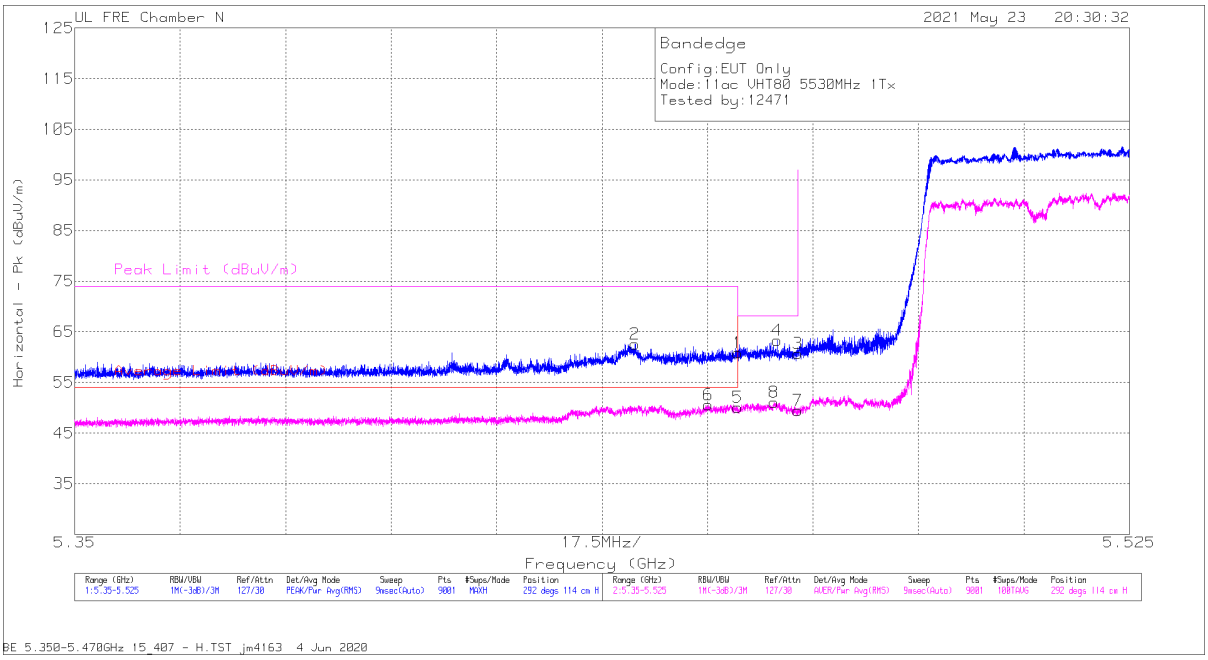
### 1.1.15. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

**1TX ANTENNA 6**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.443 | 61.2 | Pk | 34.5 | -33.1 | 0 | 62.6 | - | - | 74 | -11.4 | 292 | 114 | H |
| 6 | 5.45508 | 47.96 | RMS | 34.5 | -33 | 1.14 | 50.6 | 54 | -3.4 | - | - | 292 | 114 | H |
| 1 | 5.45999 | 59.29 | Pk | 34.5 | -32.9 | 0 | 60.89 | - | - | 74 | -13.11 | 292 | 114 | H |
| 5 | 5.45999 | 47.36 | RMS | 34.5 | -32.9 | 1.14 | 50.1 | 54 | -3.9 | - | - | 292 | 114 | H |
| 8 | 5.46606 | 48.39 | RMS | 34.4 | -32.9 | 1.14 | 51.03 | - | - | - | - | 292 | 114 | H |
| 4 | 5.46655 | 61.79 | Pk | 34.4 | -32.9 | 0 | 63.29 | - | - | 68.2 | -4.91 | 292 | 114 | H |
| 3 | 5.46999 | 59.03 | Pk | 34.5 | -32.8 | 0 | 60.73 | - | - | 68.2 | -7.47 | 292 | 114 | H |
| 7 | 5.46999 | 46.57 | RMS | 34.5 | -32.8 | 1.14 | 49.41 | - | - | - | - | 292 | 114 | H |

Pk - Peak detector
RMS - RMS detection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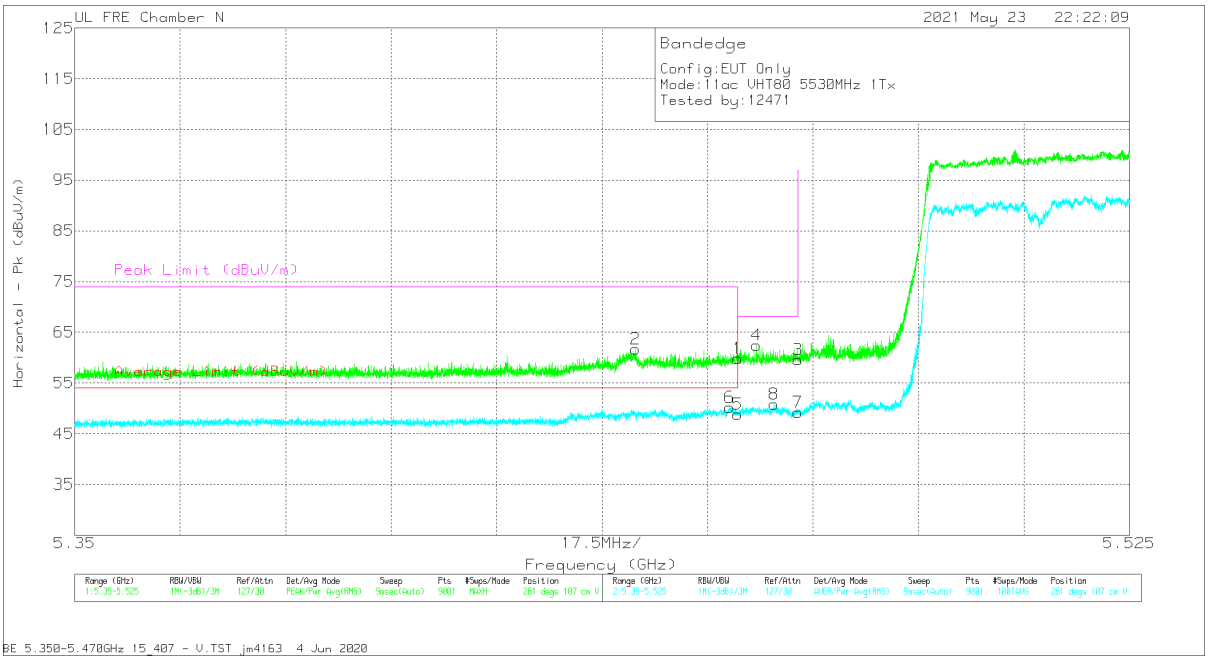
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.44304 | 60.28 | Pk | 34.5 | -33.1 | 0 | 61.68 | - | - | 74 | -12.32 | 261 | 107 | V |
| 6 | 5.45867 | 47.42 | RMS | 34.5 | -32.9 | 1.14 | 50.16 | 54 | -3.84 | - | - | 261 | 107 | V |
| 1 | 5.45999 | 58.26 | Pk | 34.5 | -32.9 | 0 | 59.86 | - | - | 74 | -14.14 | 261 | 107 | V |
| 5 | 5.45999 | 46.09 | RMS | 34.5 | -32.9 | 1.14 | 48.83 | 54 | -5.17 | - | - | 261 | 107 | V |
| 4 | 5.46316 | 60.91 | Pk | 34.4 | -32.9 | 0 | 62.41 | - | - | 68.2 | -5.79 | 261 | 107 | V |
| 8 | 5.46602 | 48.14 | RMS | 34.4 | -32.9 | 1.14 | 50.78 | - | - | - | - | 261 | 107 | V |
| 3 | 5.46999 | 57.93 | Pk | 34.5 | -32.8 | 0 | 59.63 | - | - | 68.2 | -8.57 | 261 | 107 | V |
| 7 | 5.46999 | 46.42 | RMS | 34.5 | -32.8 | 1.14 | 49.26 | - | - | - | - | 261 | 107 | V |

Pk - Peak detector
RMS - RMS detection



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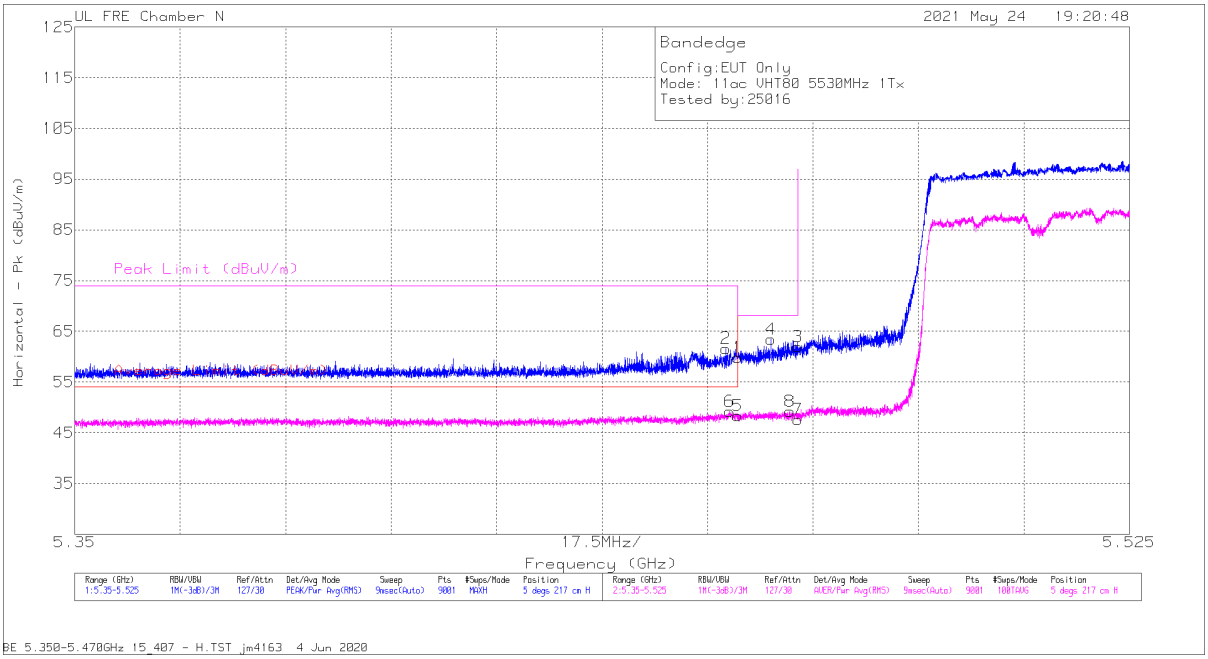
**1TX ANTENNA 5**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.45803 | 60.04 | Pk | 34.5 | -32.9 | 0 | 61.64 | - | - | 74 | -12.36 | 5 | 217 | H |
| 6 | 5.45863 | 46.47 | RMS | 34.5 | -32.9 | 1.14 | 49.21 | 54 | -4.79 | - | - | 5 | 217 | H |
| 1 | 5.45999 | 58.23 | Pk | 34.5 | -32.9 | 0 | 59.83 | - | - | 74 | -14.17 | 5 | 217 | H |
| 5 | 5.45999 | 45.62 | RMS | 34.5 | -32.9 | 1.14 | 48.36 | 54 | -5.64 | - | - | 5 | 217 | H |
| 4 | 5.4655 | 61.9 | Pk | 34.4 | -32.9 | 0 | 63.4 | - | - | 68.2 | -4.8 | 5 | 217 | H |
| 8 | 5.46869 | 46.42 | RMS | 34.5 | -32.8 | 1.14 | 49.26 | - | - | - | - | 5 | 217 | H |
| 3 | 5.46999 | 60.28 | Pk | 34.5 | -32.8 | 0 | 61.98 | - | - | 68.2 | -6.22 | 5 | 217 | H |
| 7 | 5.46999 | 44.86 | RMS | 34.5 | -32.8 | 1.14 | 47.7 | - | - | - | - | 5 | 217 | H |

Pk - Peak detector
RMS - RMS detection



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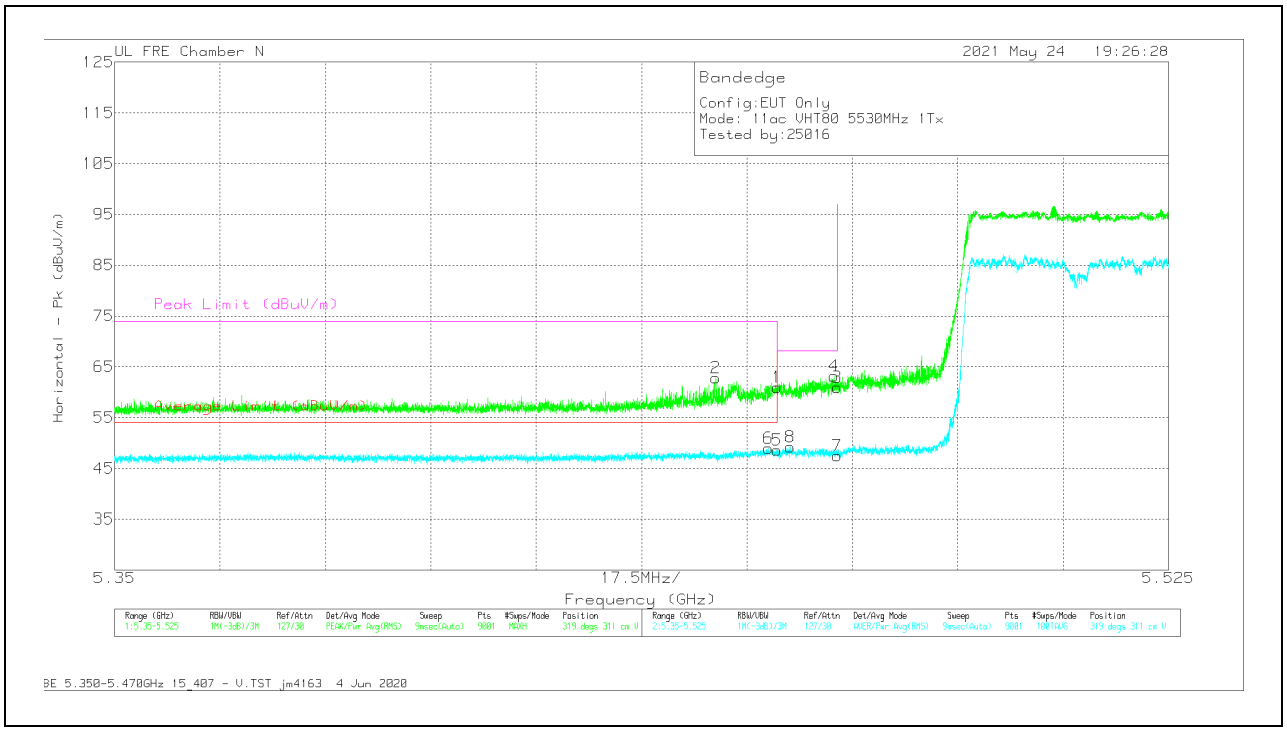
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.44984 | 61.37 | Pk | 34.4 | -33 | 0 | 62.77 | - | - | 74 | -11.23 | 319 | 311 | V |
| 6 | 5.45859 | 46.24 | RMS | 34.5 | -32.9 | 1.14 | 48.98 | 54 | -5.02 | - | - | 319 | 311 | V |
| 1 | 5.45999 | 59.41 | Pk | 34.5 | -32.9 | 0 | 61.01 | - | - | 74 | -12.99 | 319 | 311 | V |
| 5 | 5.45999 | 45.9 | RMS | 34.5 | -32.9 | 1.14 | 48.64 | 54 | -5.36 | - | - | 319 | 311 | V |
| 8 | 5.46221 | 46.58 | RMS | 34.4 | -32.9 | 1.14 | 49.22 | - | - | - | - | 319 | 311 | V |
| 4 | 5.46946 | 61.54 | Pk | 34.5 | -32.8 | 0 | 63.24 | - | - | 68.2 | -4.96 | 319 | 311 | V |
| 3 | 5.46999 | 59.25 | Pk | 34.5 | -32.8 | 0 | 60.95 | - | - | 68.2 | -7.25 | 319 | 311 | V |
| 7 | 5.46999 | 44.69 | RMS | 34.5 | -32.8 | 1.14 | 47.53 | - | - | - | - | 319 | 311 | V |

Pk - Peak detector
RMS - RMS detection



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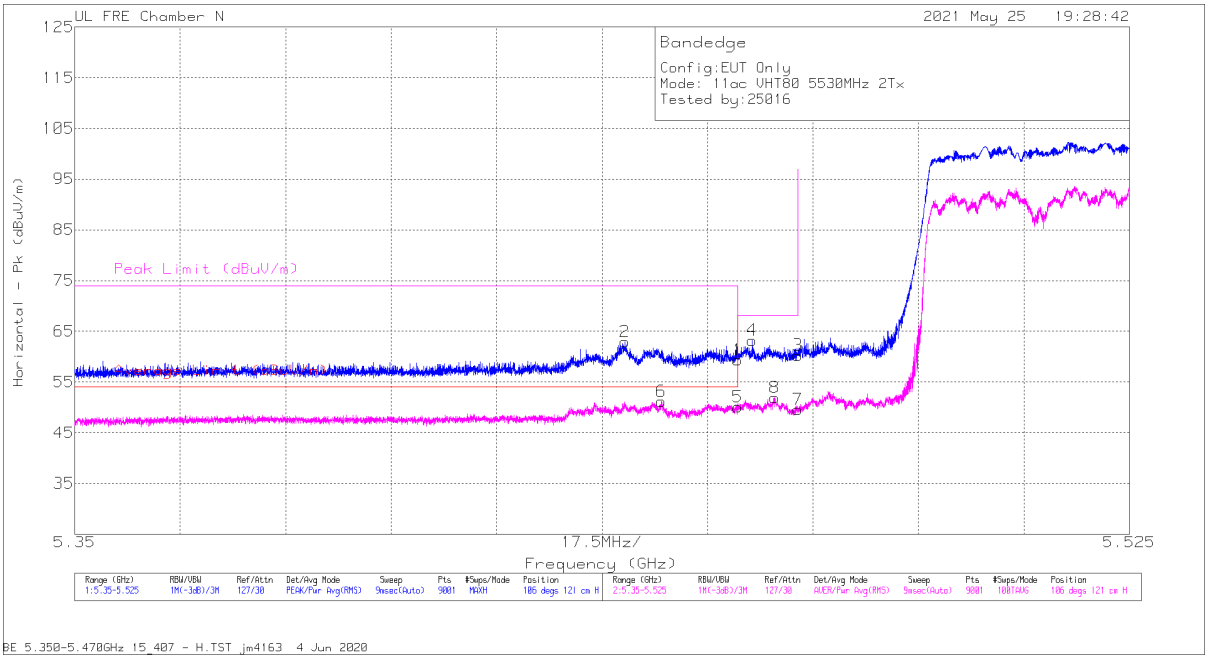
**2TX ANTENNA 6 + ANTENNA 5 CDD MODE**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.44131 | 61.51 | Pk | 34.5 | -33.1 | 0 | 62.91 | - | - | 74 | -11.09 | 106 | 121 | H |
| 6 | 5.44734 | 48.44 | RMS | 34.4 | -33 | 1.33 | 51.17 | 54 | -2.83 | - | - | 106 | 121 | H |
| 1 | 5.45999 | 57.74 | Pk | 34.5 | -32.9 | 0 | 59.34 | - | - | 74 | -14.66 | 106 | 121 | H |
| 5 | 5.45999 | 47.14 | RMS | 34.5 | -32.9 | 1.33 | 50.07 | 54 | -3.93 | - | - | 106 | 121 | H |
| 4 | 5.46244 | 61.75 | Pk | 34.4 | -32.9 | 0 | 63.25 | - | - | 68.2 | -4.95 | 106 | 121 | H |
| 8 | 5.46612 | 49.05 | RMS | 34.4 | -32.9 | 1.33 | 51.88 | - | - | - | - | 106 | 121 | H |
| 3 | 5.46999 | 58.58 | Pk | 34.5 | -32.8 | 0 | 60.28 | - | - | 68.2 | -7.92 | 106 | 121 | H |
| 7 | 5.46999 | 46.53 | RMS | 34.5 | -32.8 | 1.33 | 49.56 | - | - | - | - | 106 | 121 | H |

Pk - Peak detector
RMS - RMS detection



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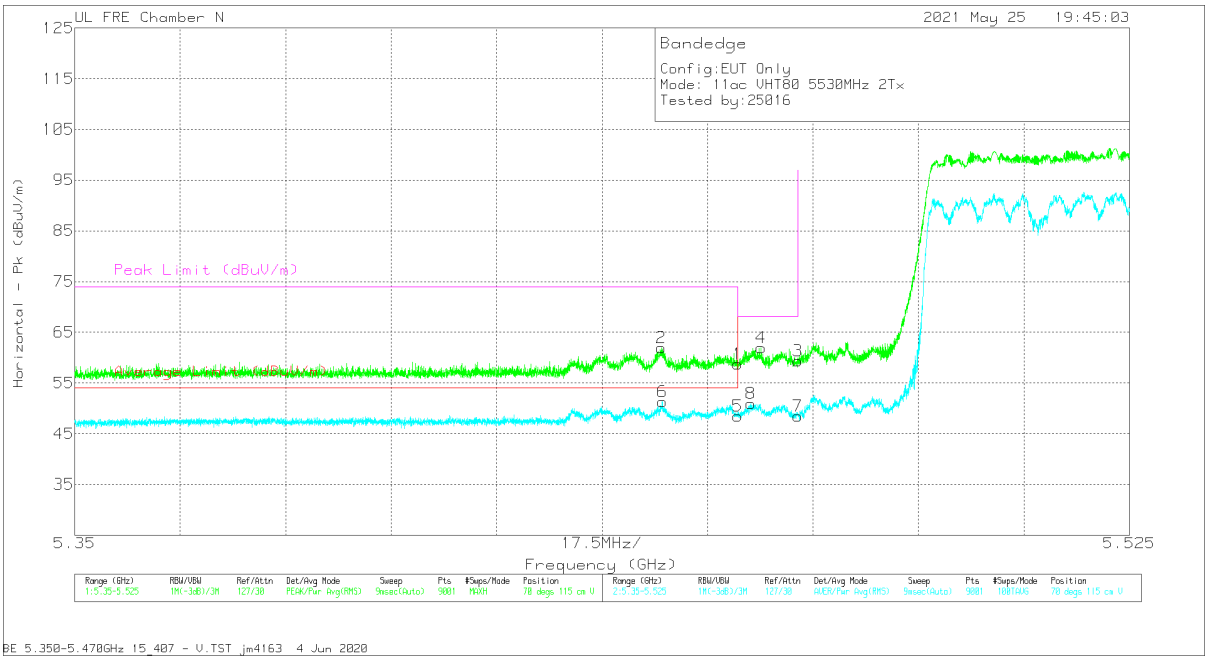
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.44728 | 60.58 | Pk | 34.4 | -33 | 0 | 61.98 | - | - | 74 | -12.02 | 70 | 115 | V |
| 6 | 5.44755 | 48.55 | RMS | 34.4 | -33 | 1.33 | 51.28 | 54 | -2.72 | - | - | 70 | 115 | V |
| 1 | 5.45999 | 57.19 | Pk | 34.5 | -32.9 | 0 | 58.79 | - | - | 74 | -15.21 | 70 | 115 | V |
| 5 | 5.45999 | 45.49 | RMS | 34.5 | -32.9 | 1.33 | 48.42 | 54 | -5.58 | - | - | 70 | 115 | V |
| 8 | 5.46223 | 48.13 | RMS | 34.4 | -32.9 | 1.33 | 50.96 | - | - | - | - | 70 | 115 | V |
| 4 | 5.4639 | 60.49 | Pk | 34.4 | -32.9 | 0 | 61.99 | - | - | 68.2 | -6.21 | 70 | 115 | V |
| 3 | 5.46999 | 57.6 | Pk | 34.5 | -32.8 | 0 | 59.3 | - | - | 68.2 | -8.9 | 70 | 115 | V |
| 7 | 5.46999 | 45.43 | RMS | 34.5 | -32.8 | 1.33 | 48.46 | - | - | - | - | 70 | 115 | V |

Pk - Peak detector
RMS - RMS detection



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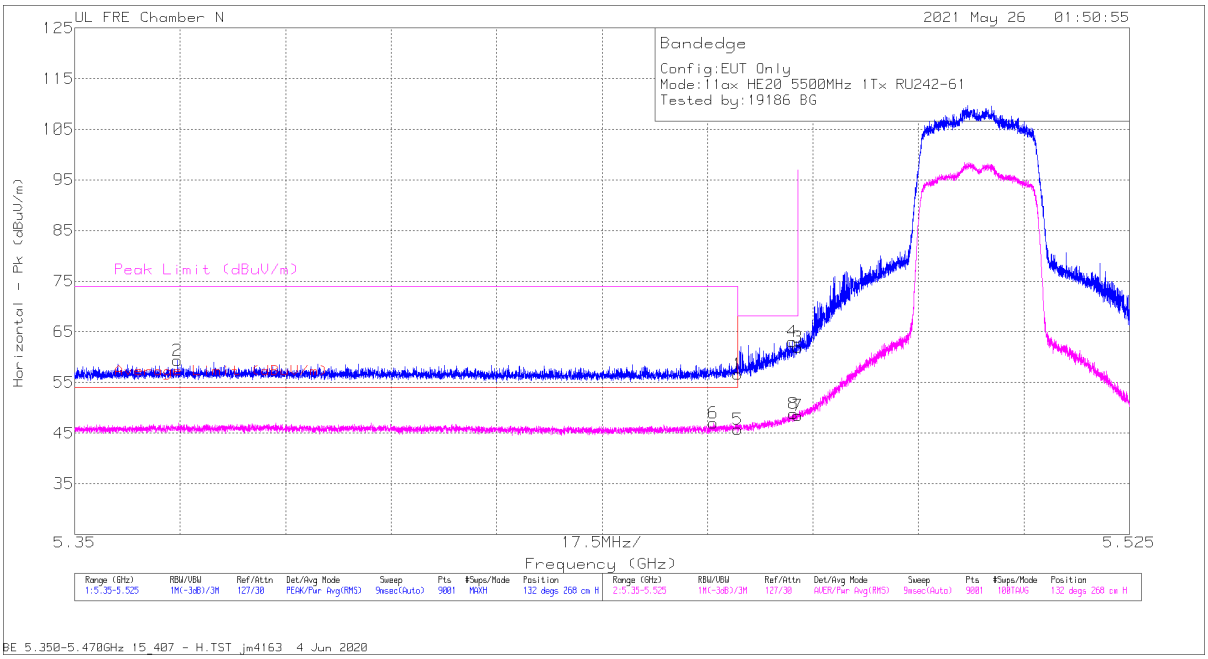
## 1.1.16. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.6 GHz BAND

**1TX ANTENNA 6 – 242-Tone, RU Index 61**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.36709 | 57.81 | Pk | 34.6 | -33.1 | 59.31 | - | - | 74 | -14.69 | 132 | 268 | H |
| 6 | 5.45597 | 45.54 | RMS | 34.5 | -33 | 47.04 | 54 | -6.96 | - | - | 132 | 268 | H |
| 1 | 5.45999 | 55.07 | Pk | 34.5 | -32.9 | 56.67 | - | - | 74 | -17.33 | 132 | 268 | H |
| 5 | 5.45999 | 44.16 | RMS | 34.5 | -32.9 | 45.76 | 54 | -8.24 | - | - | 132 | 268 | H |
| 4 | 5.46906 | 61.4 | Pk | 34.5 | -32.8 | 63.1 | - | - | 68.2 | -5.1 | 132 | 268 | H |
| 8 | 5.46923 | 47.17 | RMS | 34.5 | -32.8 | 48.87 | - | - | - | - | 132 | 268 | H |
| 3 | 5.46999 | 60.29 | Pk | 34.5 | -32.8 | 61.99 | - | - | 68.2 | -6.21 | 132 | 268 | H |
| 7 | 5.46999 | 46.82 | RMS | 34.5 | -32.8 | 48.52 | - | - | - | - | 132 | 268 | H |

Pk - Peak detector
RMS - RMS detection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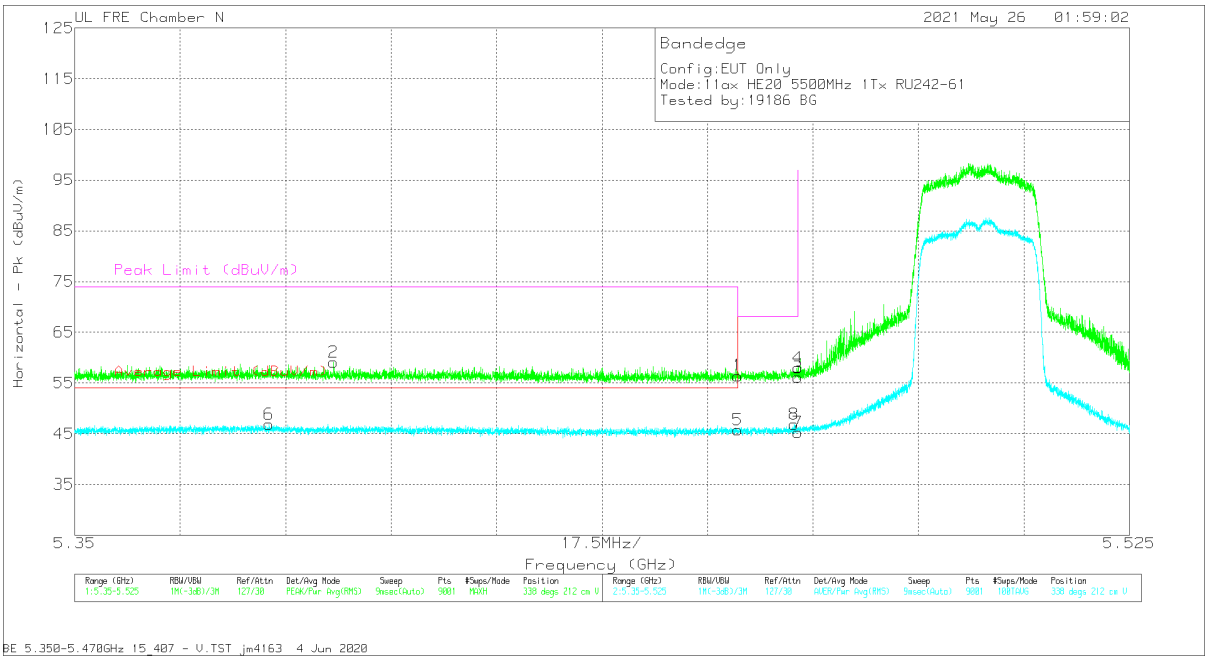
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.38222 | 45.24 | RMS | 34.6 | -33 | 46.84 | 54 | -7.16 | - | - | 338 | 212 | V |
| 2 | 5.39297 | 57.59 | Pk | 34.5 | -33 | 59.09 | - | - | 74 | -14.91 | 338 | 212 | V |
| 1 | 5.45999 | 54.85 | Pk | 34.5 | -32.9 | 56.45 | - | - | 74 | -17.55 | 338 | 212 | V |
| 5 | 5.45999 | 44.16 | RMS | 34.5 | -32.9 | 45.76 | 54 | -8.24 | - | - | 338 | 212 | V |
| 8 | 5.46941 | 45.19 | RMS | 34.5 | -32.8 | 46.89 | - | - | - | - | 338 | 212 | V |
| 4 | 5.46995 | 56.31 | Pk | 34.5 | -32.8 | 58.01 | - | - | 68.2 | -10.19 | 338 | 212 | V |
| 3 | 5.46999 | 54.46 | Pk | 34.5 | -32.8 | 56.16 | - | - | 68.2 | -12.04 | 338 | 212 | V |
| 7 | 5.46999 | 43.52 | RMS | 34.5 | -32.8 | 45.22 | - | - | - | - | 338 | 212 | V |

Pk - Peak detector
RMS - RMS detection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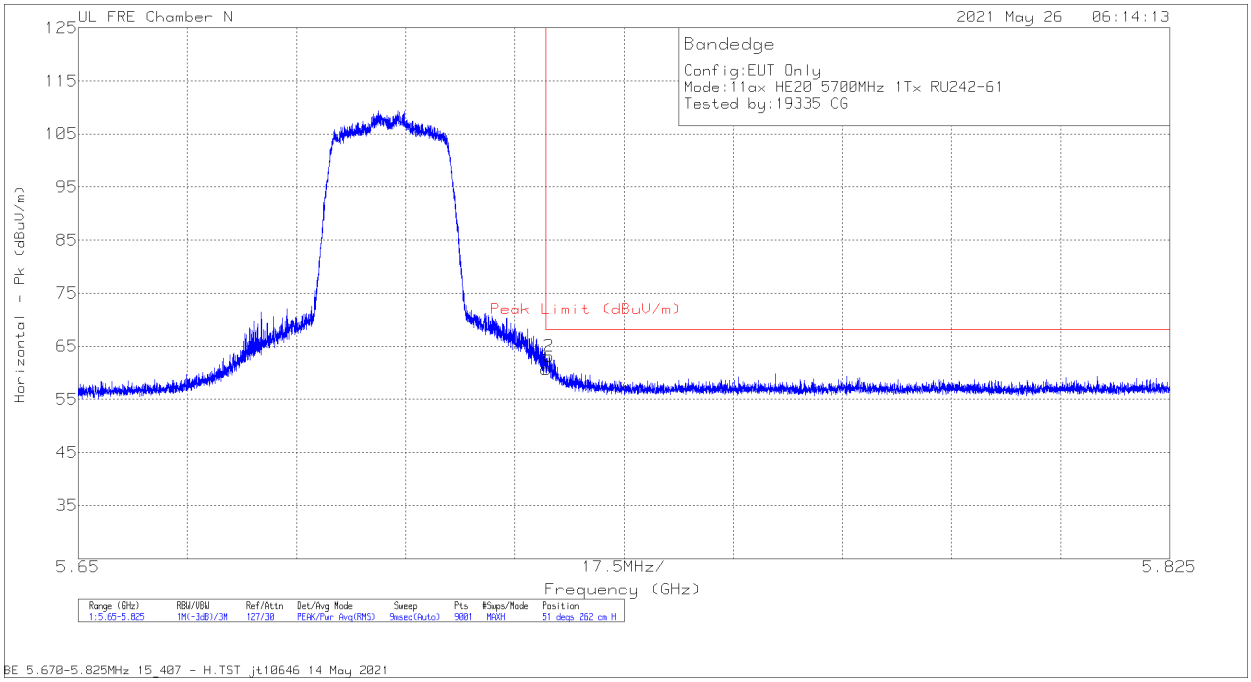
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 58.82 | Pk | 34.6 | -32.7 | 60.72 | 68.2 | -7.48 | 51 | 262 | H |
| 2 | 5.72546 | 61.26 | Pk | 34.6 | -32.7 | 63.16 | 68.2 | -5.04 | 51 | 262 | H |

Pk - Peak detector



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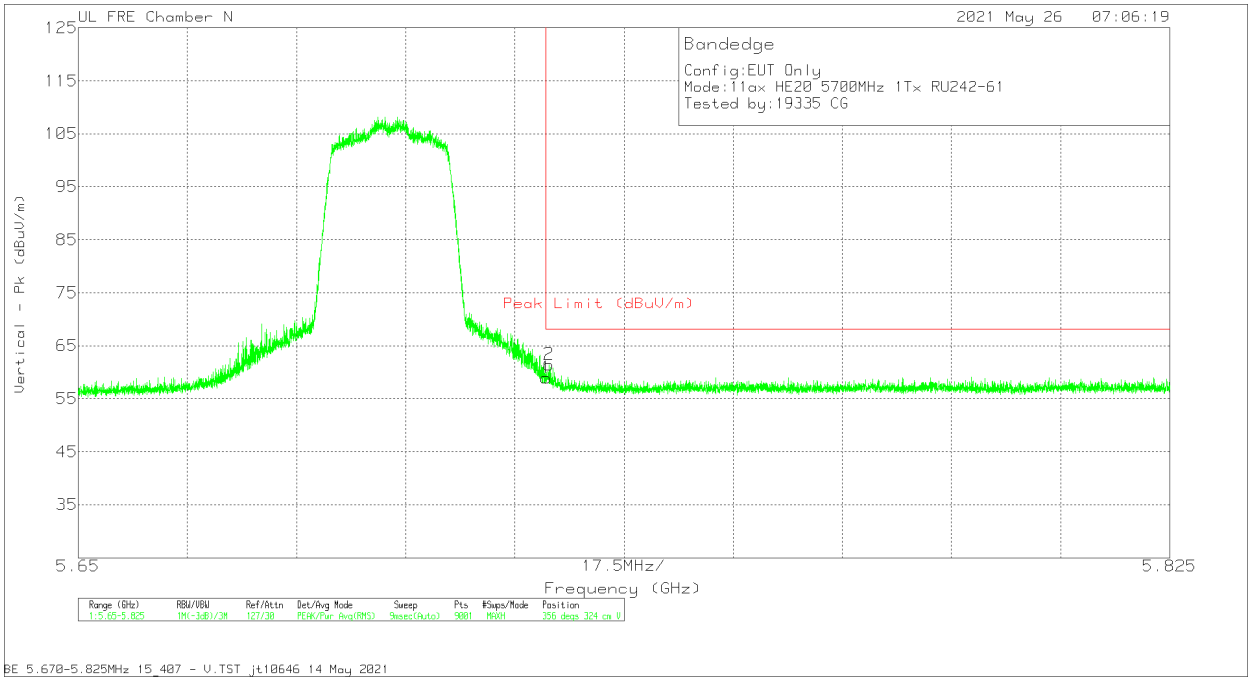
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 57.1 | Pk | 34.6 | -32.7 | 59 | 68.2 | -9.2 | 356 | 324 | V |
| 2 | 5.72546 | 59.57 | Pk | 34.6 | -32.7 | 61.47 | 68.2 | -6.73 | 356 | 324 | V |

Pk - Peak detector



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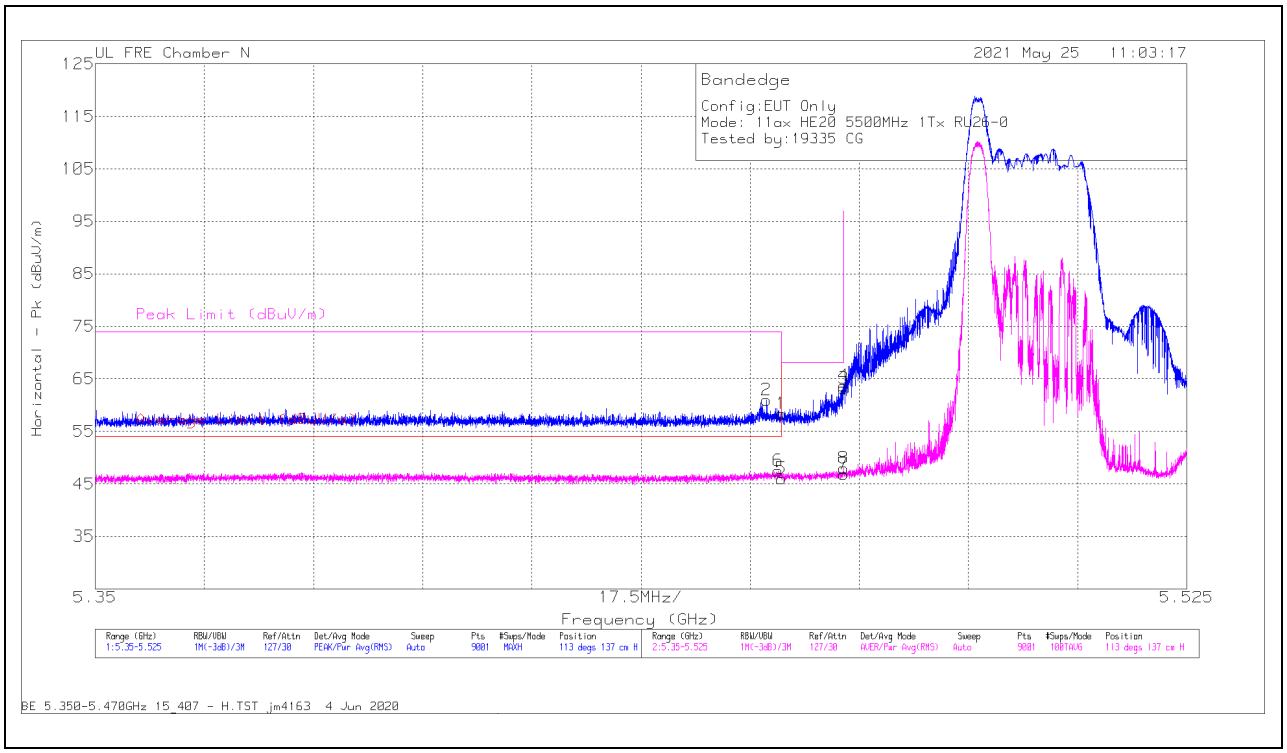
**1TX ANTENNA 6 – 26-Tone, RU Index 0**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.45762 | 59.32 | Pk | 34.5 | -32.9 | 60.92 | - | - | 74 | -13.08 | 113 | 137 | H |
| 6 | 5.45953 | 45.84 | RMS | 34.5 | -32.9 | 47.44 | 54 | -6.56 | - | - | 113 | 137 | H |
| 1 | 5.45999 | 56.78 | Pk | 34.5 | -32.9 | 58.38 | - | - | 74 | -15.62 | 113 | 137 | H |
| 5 | 5.45999 | 44.35 | RMS | 34.5 | -32.9 | 45.95 | 54 | -8.05 | - | - | 113 | 137 | H |
| 8 | 5.46995 | 46.27 | RMS | 34.5 | -32.8 | 47.97 | - | - | - | - | 113 | 137 | H |
| 4 | 5.46997 | 62 | Pk | 34.5 | -32.8 | 63.7 | - | - | 68.2 | -4.5 | 113 | 137 | H |
| 3 | 5.46999 | 61.52 | Pk | 34.5 | -32.8 | 63.22 | - | - | 68.2 | -4.98 | 113 | 137 | H |
| 7 | 5.46999 | 45.22 | RMS | 34.5 | -32.8 | 46.92 | - | - | - | - | 113 | 137 | H |

Pk - Peak detector
RMS - RMS detection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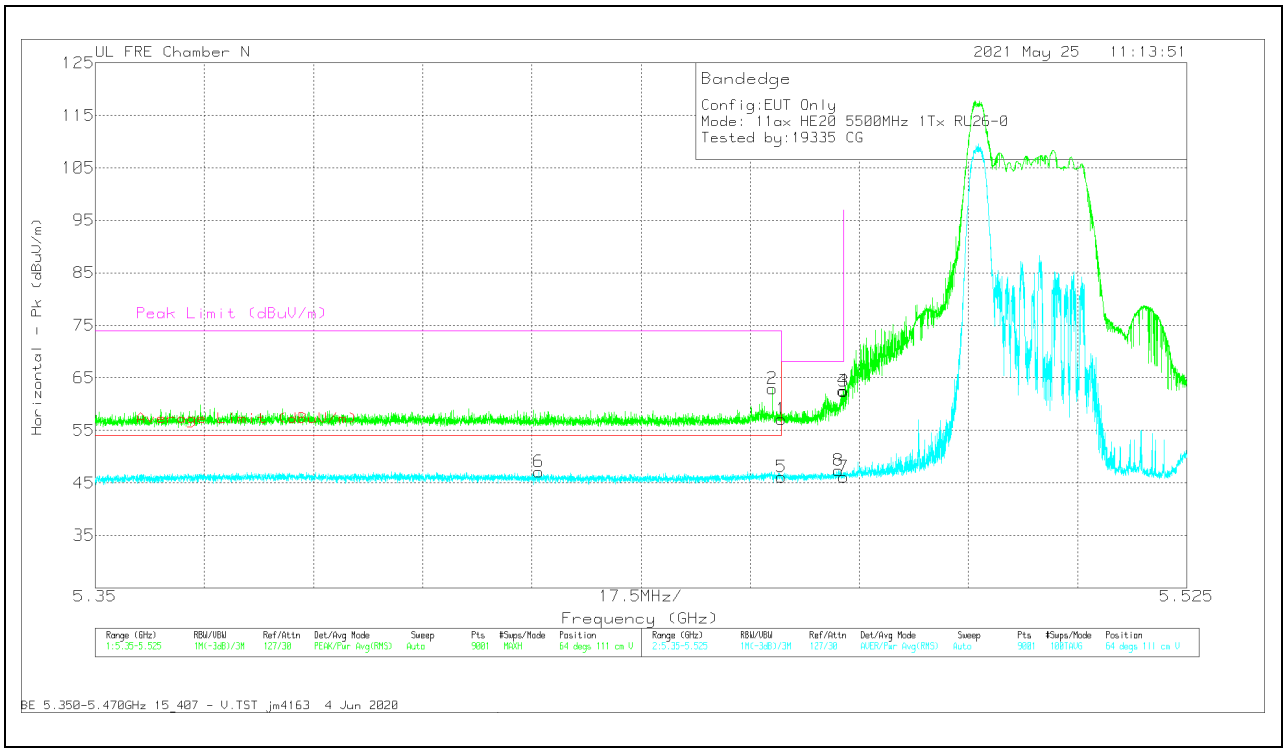
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.42115 | 45.7 | RMS | 34.5 | -33.1 | 47.1 | 54 | -6.9 | - | - | 64 | 111 | V |
| 2 | 5.45858 | 61.29 | Pk | 34.5 | -32.9 | 62.89 | - | - | 74 | -11.11 | 64 | 111 | V |
| 1 | 5.45999 | 55.57 | Pk | 34.5 | -32.9 | 57.17 | - | - | 74 | -16.83 | 64 | 111 | V |
| 5 | 5.45999 | 44.56 | RMS | 34.5 | -32.9 | 46.16 | 54 | -7.84 | - | - | 64 | 111 | V |
| 8 | 5.46911 | 45.66 | RMS | 34.5 | -32.8 | 47.36 | - | - | - | - | 64 | 111 | V |
| 4 | 5.46993 | 60.9 | Pk | 34.5 | -32.8 | 62.6 | - | - | 68.2 | -5.6 | 64 | 111 | V |
| 3 | 5.46999 | 60.78 | Pk | 34.5 | -32.8 | 62.48 | - | - | 68.2 | -5.72 | 64 | 111 | V |
| 7 | 5.46999 | 44.44 | RMS | 34.5 | -32.8 | 46.14 | - | - | - | - | 64 | 111 | V |

Pk - Peak detector
RMS - RMS detection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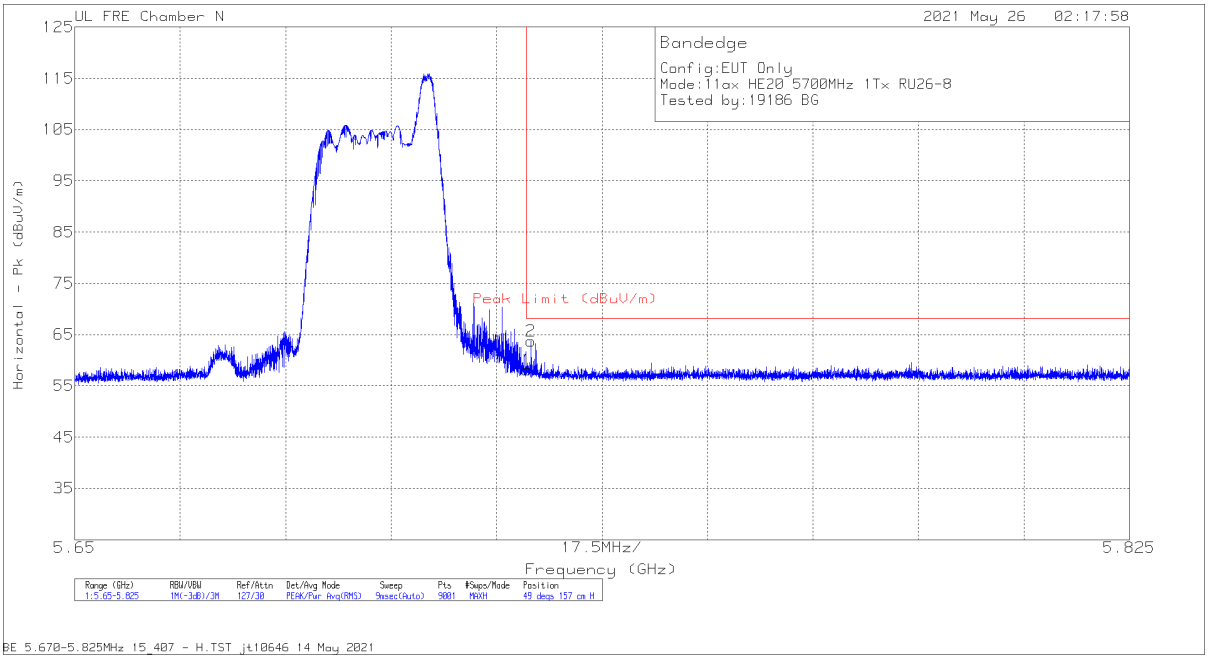
**1TX ANTENNA 6 – 26-Tone, RU Index 8**

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 56.16 | Pk | 34.6 | -32.7 | 58.06 | 68.2 | -10.14 | 49 | 157 | H |
| 2 | 5.72573 | 61.78 | Pk | 34.6 | -32.7 | 63.68 | 68.2 | -4.52 | 49 | 157 | H |

Pk - Peak detector



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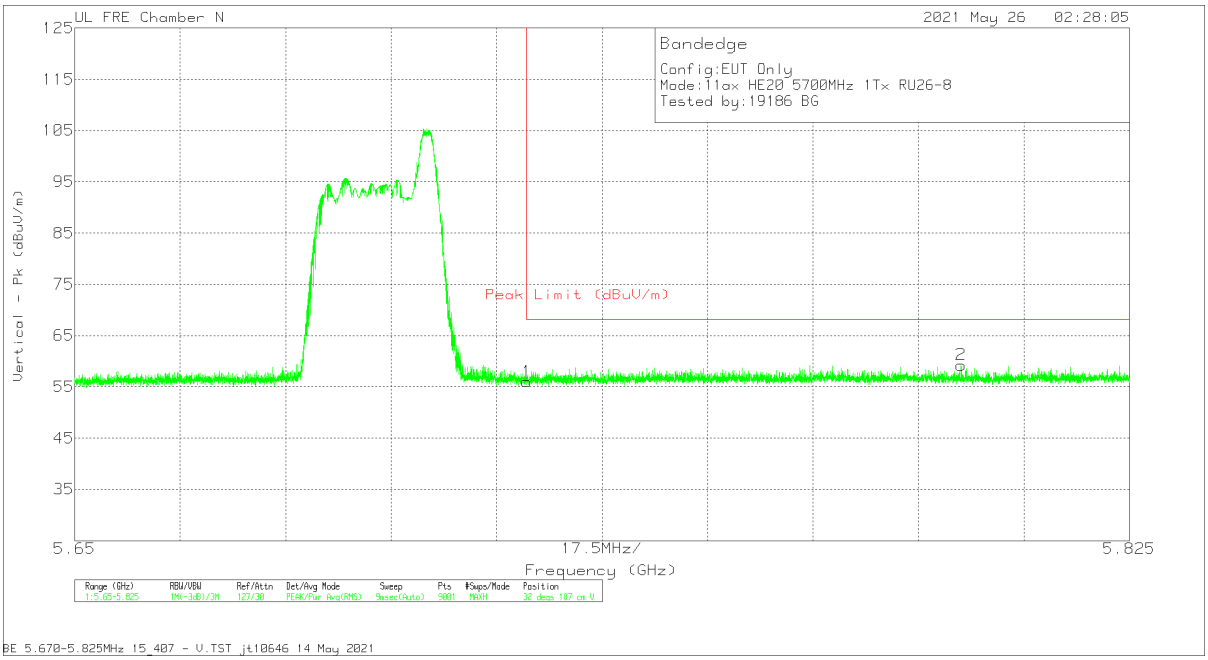
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 54.09 | Pk | 34.6 | -32.7 | 55.99 | 68.2 | -12.21 | 32 | 187 | V |
| 2 | 5.79707 | 56.97 | Pk | 34.8 | -32.5 | 59.27 | 68.2 | -8.93 | 32 | 187 | V |

Pk - Peak detector



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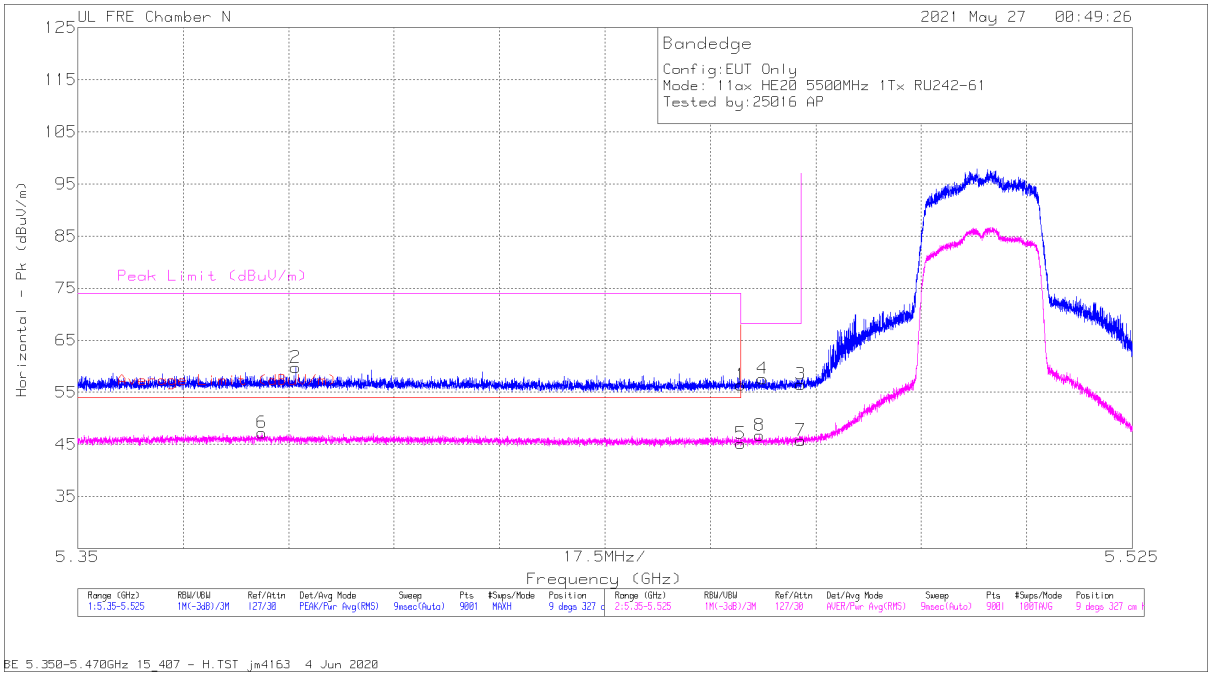
**1TX ANTENNA 5 – 242-Tone, RU Index 61**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.3806 | 45.52 | RMS | 34.6 | -33 | 47.12 | 54 | -6.88 | - | - | 9 | 327 | H |
| 2 | 5.38617 | 58.28 | Pk | 34.5 | -33 | 59.78 | - | - | 74 | -14.22 | 9 | 327 | H |
| 1 | 5.45999 | 54.83 | Pk | 34.5 | -32.9 | 56.43 | - | - | 74 | -17.57 | 9 | 327 | H |
| 5 | 5.45999 | 43.41 | RMS | 34.5 | -32.9 | 45.02 | 54 | -8.98 | - | - | 9 | 327 | H |
| 8 | 5.46314 | 45.12 | RMS | 34.4 | -32.9 | 46.63 | - | - | - | - | 9 | 327 | H |
| 4 | 5.46363 | 56.13 | Pk | 34.4 | -32.9 | 57.63 | - | - | 68.2 | -10.57 | 9 | 327 | H |
| 3 | 5.46999 | 54.85 | Pk | 34.5 | -32.8 | 56.55 | - | - | 68.2 | -11.65 | 9 | 327 | H |
| 7 | 5.46999 | 43.92 | RMS | 34.5 | -32.8 | 45.62 | - | - | - | - | 9 | 327 | H |

Pk - Peak detector
RMS - RMS detection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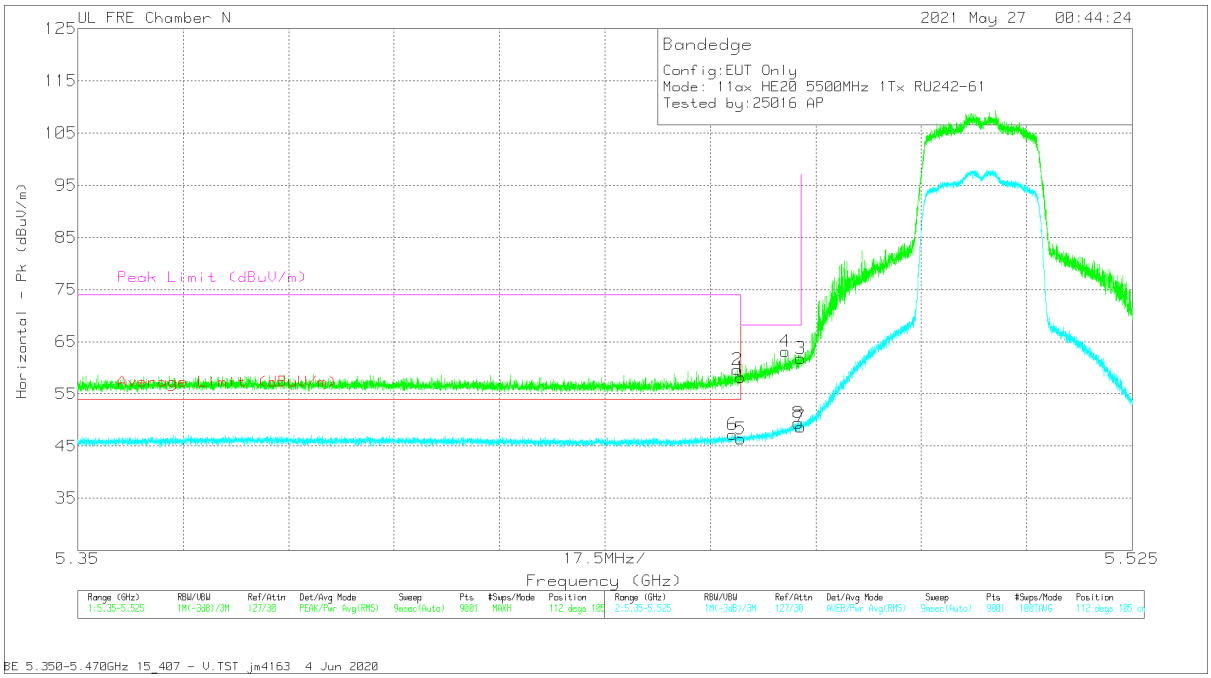
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.45869 | 45.46 | RMS | 34.5 | -32.9 | 47.06 | 54 | -6.94 | - | - | 112 | 105 | V |
| 2 | 5.45947 | 58.05 | Pk | 34.5 | -32.9 | 59.65 | - | - | 74 | -14.35 | 112 | 105 | V |
| 1 | 5.45999 | 56.56 | Pk | 34.5 | -32.9 | 58.16 | - | - | 74 | -15.84 | 112 | 105 | V |
| 5 | 5.45999 | 44.66 | RMS | 34.5 | -32.9 | 46.26 | 54 | -7.74 | - | - | 112 | 105 | V |
| 4 | 5.46746 | 61.66 | Pk | 34.4 | -32.9 | 63.16 | - | - | 68.2 | -5.04 | 112 | 105 | V |
| 8 | 5.46958 | 47.62 | RMS | 34.5 | -32.8 | 49.32 | - | - | - | - | 112 | 105 | V |
| 3 | 5.46999 | 60.1 | Pk | 34.5 | -32.8 | 61.8 | - | - | 68.2 | -6.4 | 112 | 105 | V |
| 7 | 5.46999 | 46.87 | RMS | 34.5 | -32.8 | 48.57 | - | - | - | - | 112 | 105 | V |

Pk - Peak detector
RMS - RMS detection



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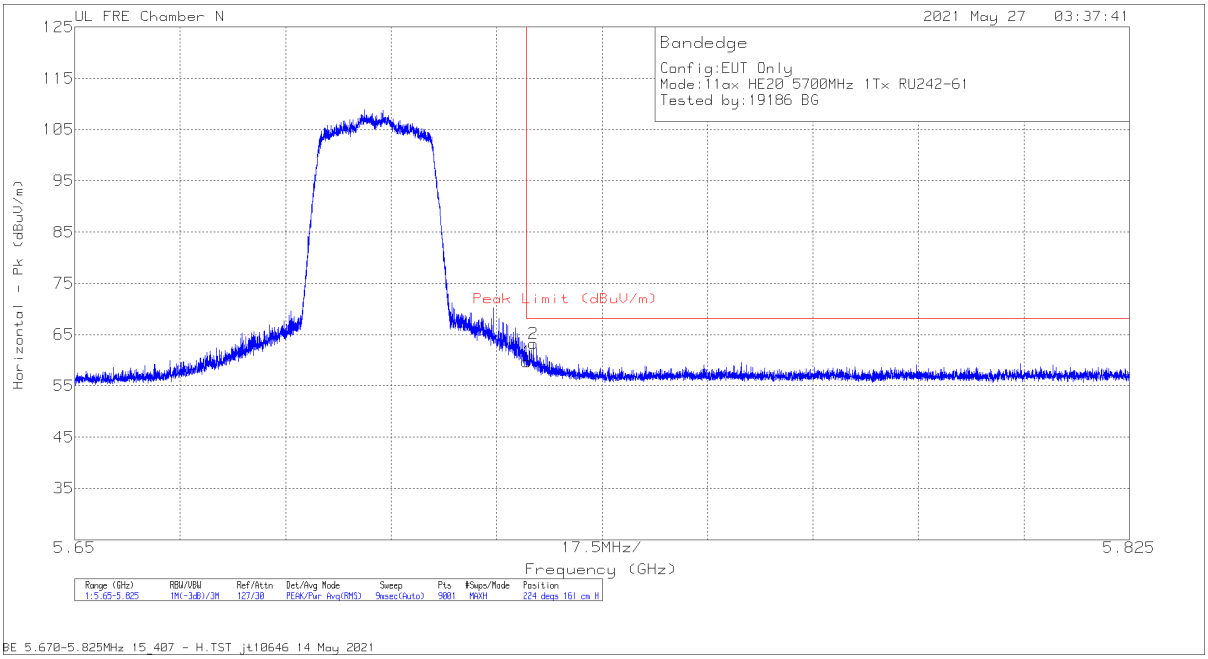
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 57.81 | Pk | 34.6 | -32.7 | 59.71 | 68.2 | -8.49 | 224 | 161 | H |
| 2 | 5.72612 | 61.31 | Pk | 34.6 | -32.7 | 63.21 | 68.2 | -4.99 | 224 | 161 | H |

Pk - Peak detector



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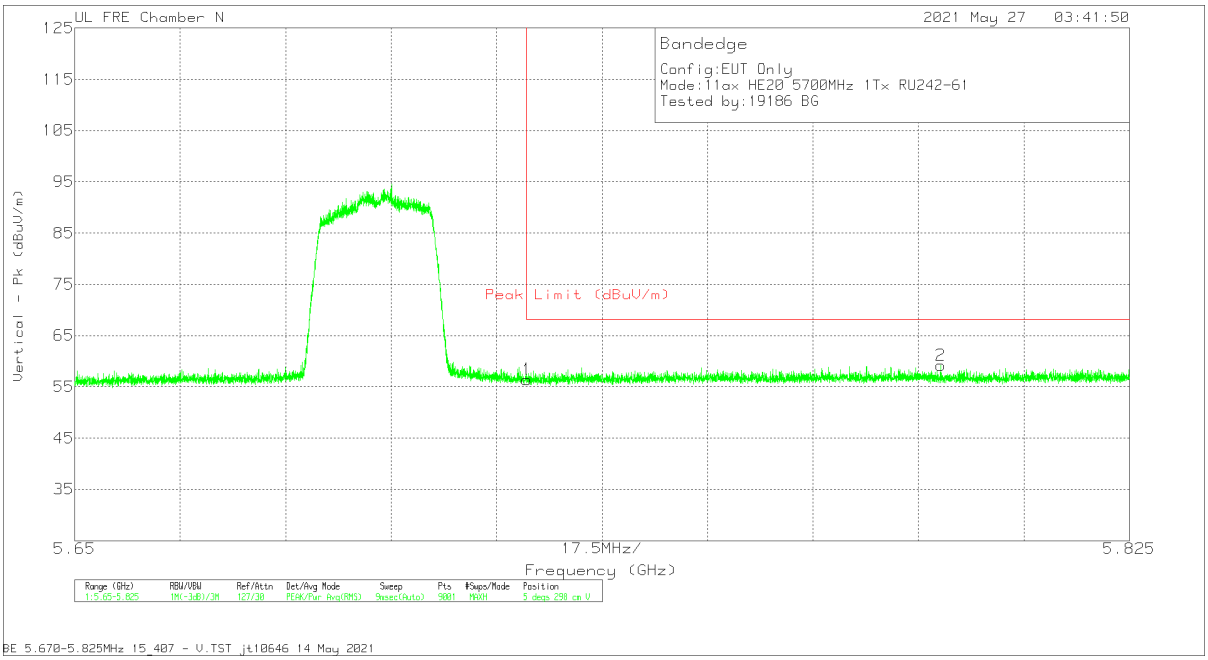
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 54.55 | Pk | 34.6 | -32.7 | 56.45 | 68.2 | -11.75 | 5 | 298 | V |
| 2 | 5.79365 | 56.79 | Pk | 34.9 | -32.5 | 59.19 | 68.2 | -9.01 | 5 | 298 | V |

Pk - Peak detector



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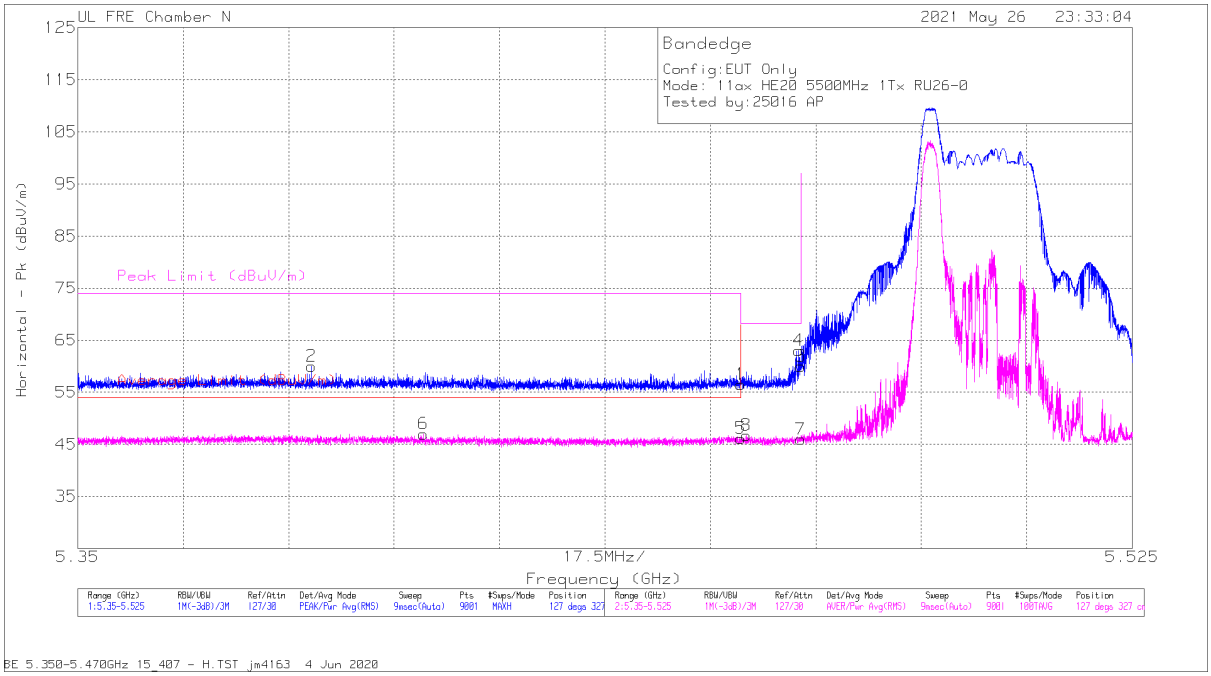
**1TX ANTENNA 5 – 26-Tone, RU Index 0**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.38881 | 58.51 | Pk | 34.5 | -33 | 60.01 | - | - | 74 | -13.99 | 127 | 327 | H |
| 6 | 5.40734 | 45.61 | RMS | 34.5 | -33.1 | 47.01 | 54 | -6.99 | - | - | 127 | 327 | H |
| 1 | 5.45999 | 54.9 | Pk | 34.5 | -32.9 | 56.5 | - | - | 74 | -17.5 | 127 | 327 | H |
| 5 | 5.45999 | 44.55 | RMS | 34.5 | -32.9 | 46.15 | 54 | -7.85 | - | - | 127 | 327 | H |
| 8 | 5.46099 | 45.23 | RMS | 34.4 | -32.9 | 46.73 | - | - | - | - | 127 | 327 | H |
| 4 | 5.4696 | 61.31 | Pk | 34.5 | -32.8 | 63.01 | - | - | 68.2 | -5.19 | 127 | 327 | H |
| 3 | 5.46999 | 58.32 | Pk | 34.5 | -32.8 | 60.02 | - | - | 68.2 | -8.18 | 127 | 327 | H |
| 7 | 5.46999 | 44.28 | RMS | 34.5 | -32.8 | 45.98 | - | - | - | - | 127 | 327 | H |

Pk - Peak detector
RMS - RMS detection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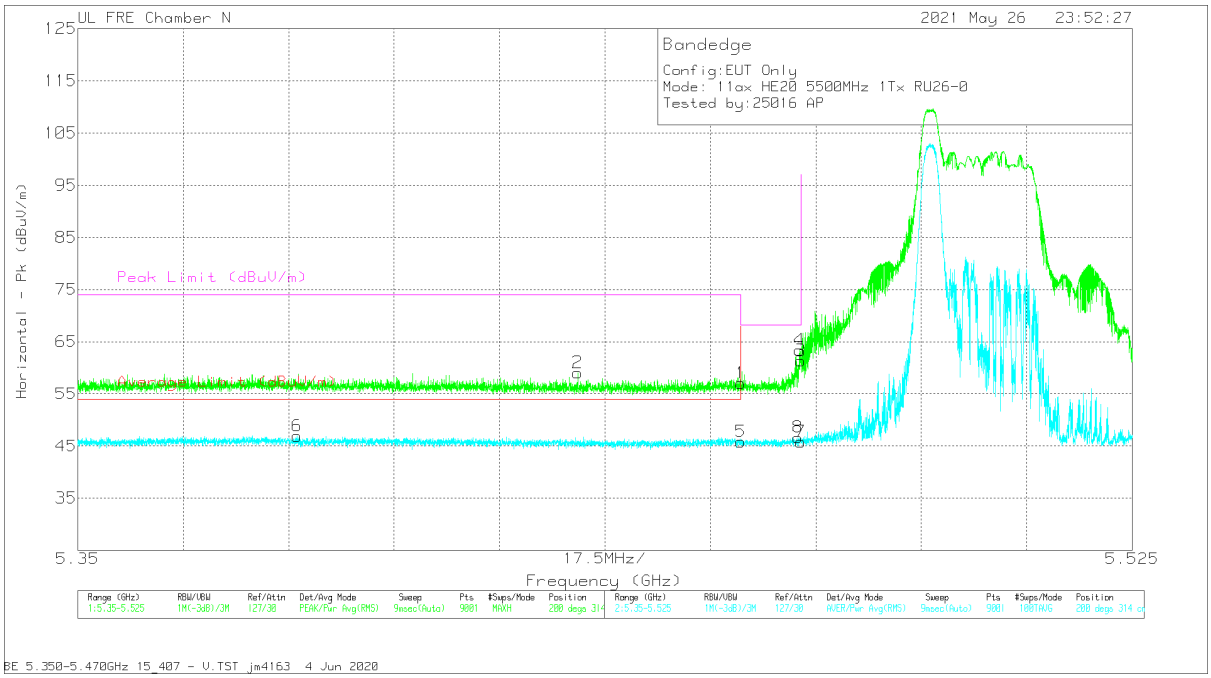
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.38638 | 45.41 | RMS | 34.5 | -33 | 46.91 | 54 | -7.09 | - | - | 200 | 314 | V |
| 2 | 5.43297 | 57.56 | Pk | 34.5 | -33 | 59.06 | - | - | 74 | -14.94 | 200 | 314 | V |
| 1 | 5.45999 | 55.45 | Pk | 34.5 | -32.9 | 57.05 | - | - | 74 | -16.95 | 200 | 314 | V |
| 5 | 5.45999 | 44.24 | RMS | 34.5 | -32.9 | 45.84 | 54 | -8.16 | - | - | 200 | 314 | V |
| 8 | 5.46948 | 44.95 | RMS | 34.5 | -32.8 | 46.65 | - | - | - | - | 200 | 314 | V |
| 4 | 5.46978 | 61.69 | Pk | 34.5 | -32.8 | 63.39 | - | - | 68.2 | -4.81 | 200 | 314 | V |
| 3 | 5.46999 | 59.62 | Pk | 34.5 | -32.8 | 61.32 | - | - | 68.2 | -6.88 | 200 | 314 | V |
| 7 | 5.46999 | 44.12 | RMS | 34.5 | -32.8 | 45.82 | - | - | - | - | 200 | 314 | V |

Pk - Peak detector
RMS - RMS detection



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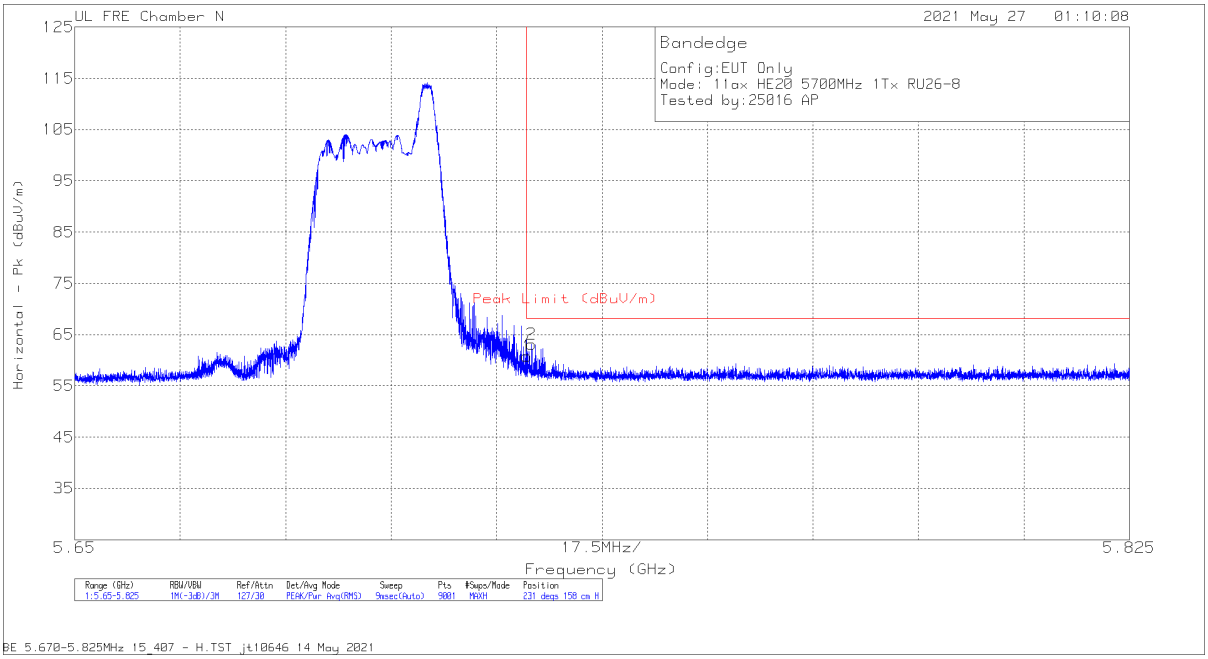
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 58.86 | Pk | 34.6 | -32.7 | 60.76 | 68.2 | -7.44 | 231 | 158 | H |
| 2 | 5.72577 | 61.26 | Pk | 34.6 | -32.7 | 63.16 | 68.2 | -5.04 | 231 | 158 | H |

Pk - Peak detector



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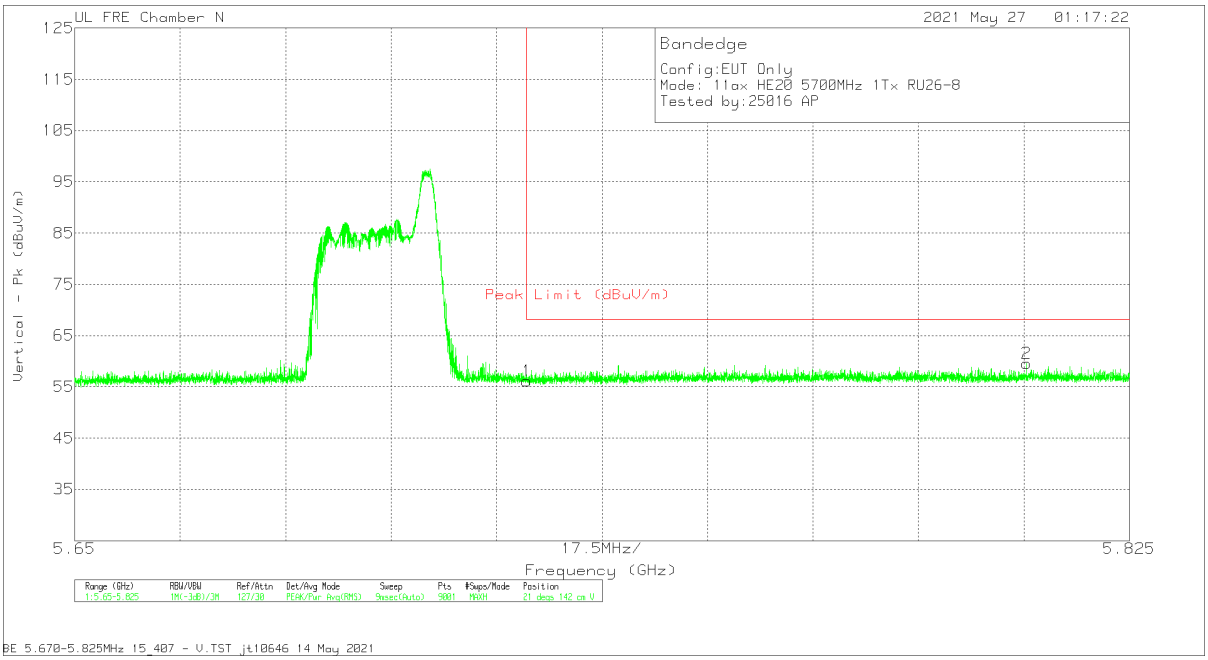
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 54.29 | Pk | 34.6 | -32.7 | 56.19 | 68.2 | -12.01 | 21 | 142 | V |
| 2 | 5.80792 | 57.16 | Pk | 34.9 | -32.5 | 59.56 | 68.2 | -8.64 | 21 | 142 | V |

Pk - Peak detector



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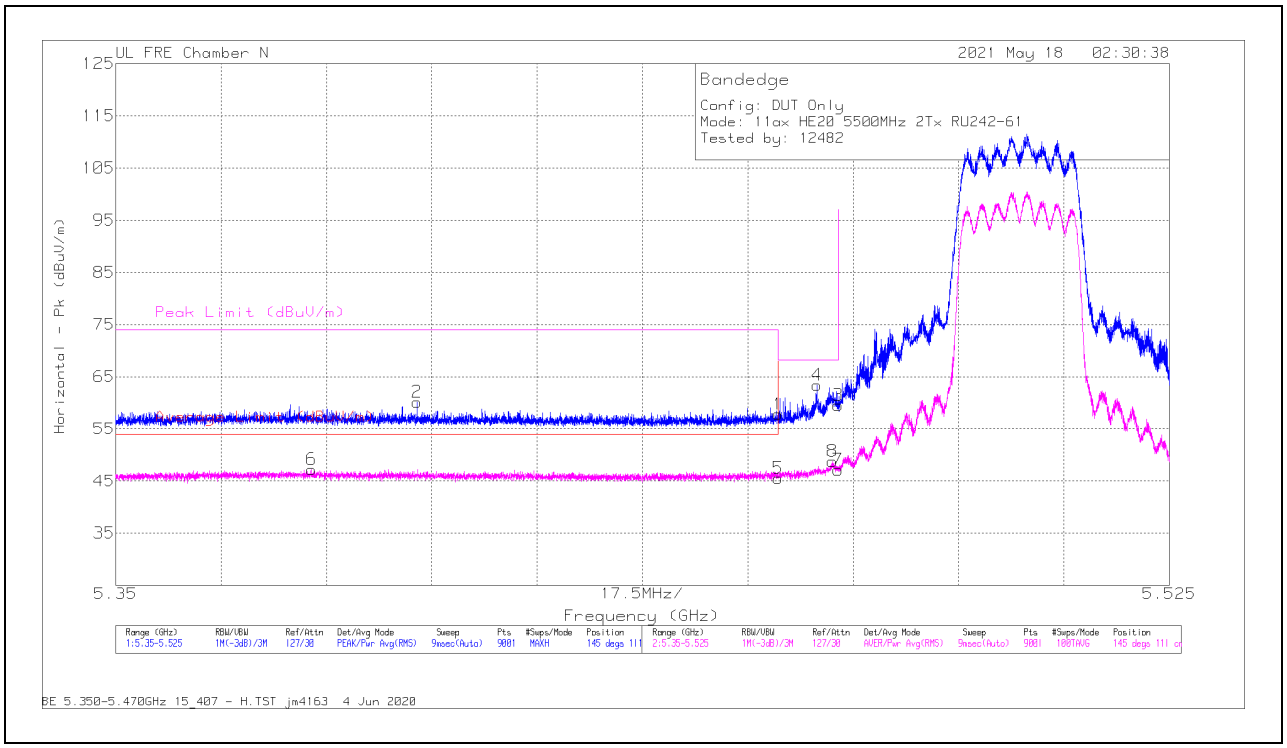
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 242-Tone, RU Index 61**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.38255 | 45.62 | RMS | 34.6 | -33 | 47.22 | 54 | -6.78 | - | - | 145 | 111 | H |
| 2 | 5.40007 | 58.54 | Pk | 34.6 | -33 | 60.14 | - | - | 74 | -13.86 | 145 | 111 | H |
| 1 | 5.45999 | 56.2 | Pk | 34.5 | -32.9 | 57.8 | - | - | 74 | -16.2 | 145 | 111 | H |
| 5 | 5.45999 | 43.91 | RMS | 34.5 | -32.9 | 45.51 | 54 | -8.49 | - | - | 145 | 111 | H |
| 4 | 5.46647 | 61.86 | Pk | 34.4 | -32.9 | 63.36 | - | - | 68.2 | -4.84 | 145 | 111 | H |
| 8 | 5.46906 | 47.1 | RMS | 34.5 | -32.8 | 48.8 | - | - | - | - | 145 | 111 | H |
| 3 | 5.46999 | 57.83 | Pk | 34.5 | -32.8 | 59.53 | - | - | 68.2 | -8.67 | 145 | 111 | H |
| 7 | 5.46999 | 45.47 | RMS | 34.5 | -32.8 | 47.17 | - | - | - | - | 145 | 111 | H |

Pk - Peak detector
RMS - RMS detection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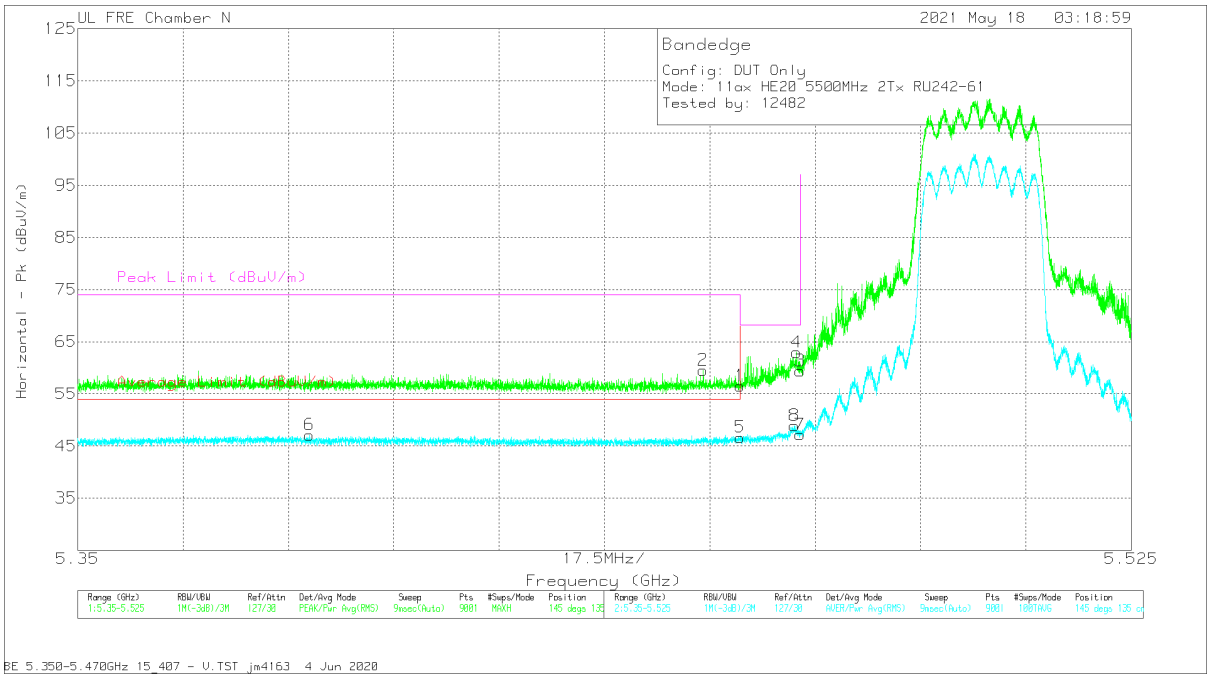
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.38852 | 45.64 | RMS | 34.5 | -33 | 47.14 | 54 | -6.86 | - | - | 145 | 135 | V |
| 2 | 5.45385 | 58.02 | Pk | 34.5 | -33 | 59.52 | - | - | 74 | -14.48 | 145 | 135 | V |
| 1 | 5.45999 | 54.9 | Pk | 34.5 | -32.9 | 56.5 | - | - | 74 | -17.5 | 145 | 135 | V |
| 5 | 5.45999 | 45.05 | RMS | 34.5 | -32.9 | 46.65 | 54 | -7.35 | - | - | 145 | 135 | V |
| 8 | 5.46906 | 47.22 | RMS | 34.5 | -32.8 | 48.92 | - | - | - | - | 145 | 135 | V |
| 4 | 5.46943 | 61.27 | Pk | 34.5 | -32.8 | 62.97 | - | - | 68.2 | -5.23 | 145 | 135 | V |
| 3 | 5.46999 | 57.71 | Pk | 34.5 | -32.8 | 59.41 | - | - | 68.2 | -8.79 | 145 | 135 | V |
| 7 | 5.46999 | 45.48 | RMS | 34.5 | -32.8 | 47.18 | - | - | - | - | 145 | 135 | V |

Pk - Peak detector
RMS - RMS detection



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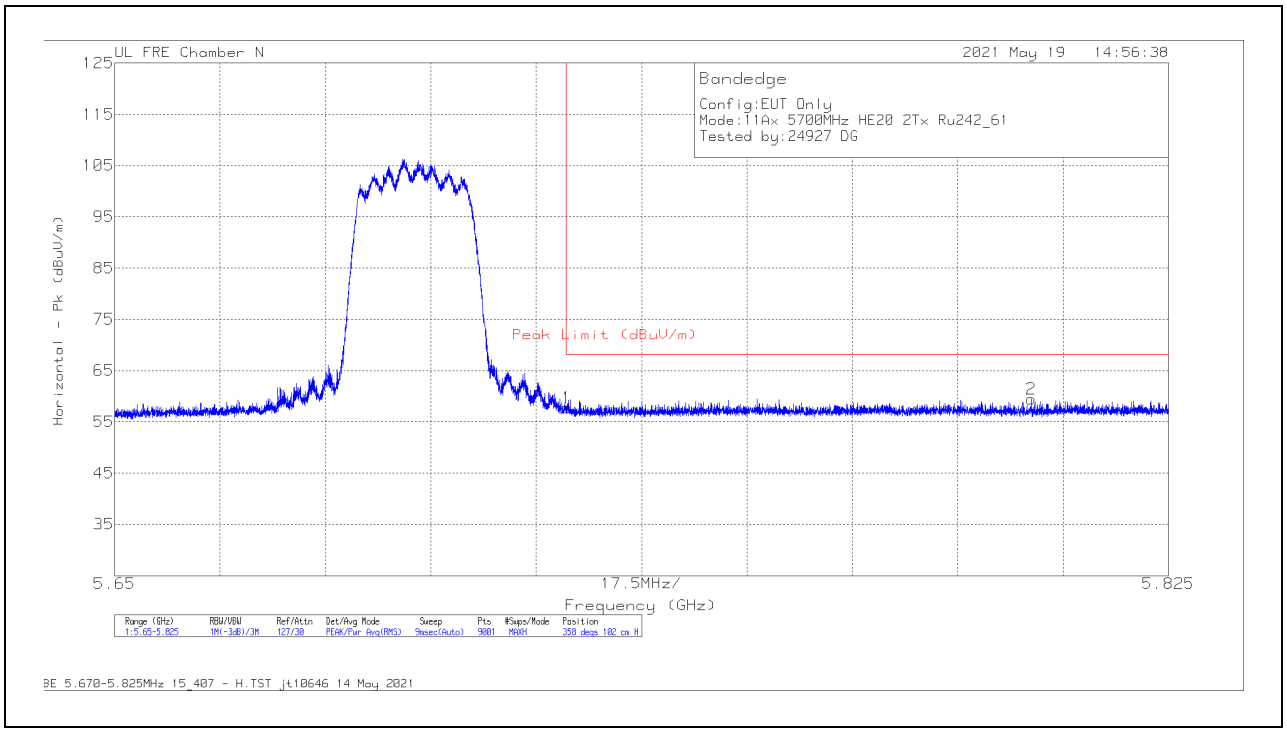
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 55.87 | Pk | 34.6 | -32.7 | 57.77 | 68.2 | -10.43 | 358 | 102 | H |
| 2 | 5.80219 | 57.17 | Pk | 34.8 | -32.5 | 59.47 | 68.2 | -8.73 | 358 | 102 | H |

Pk - Peak detector



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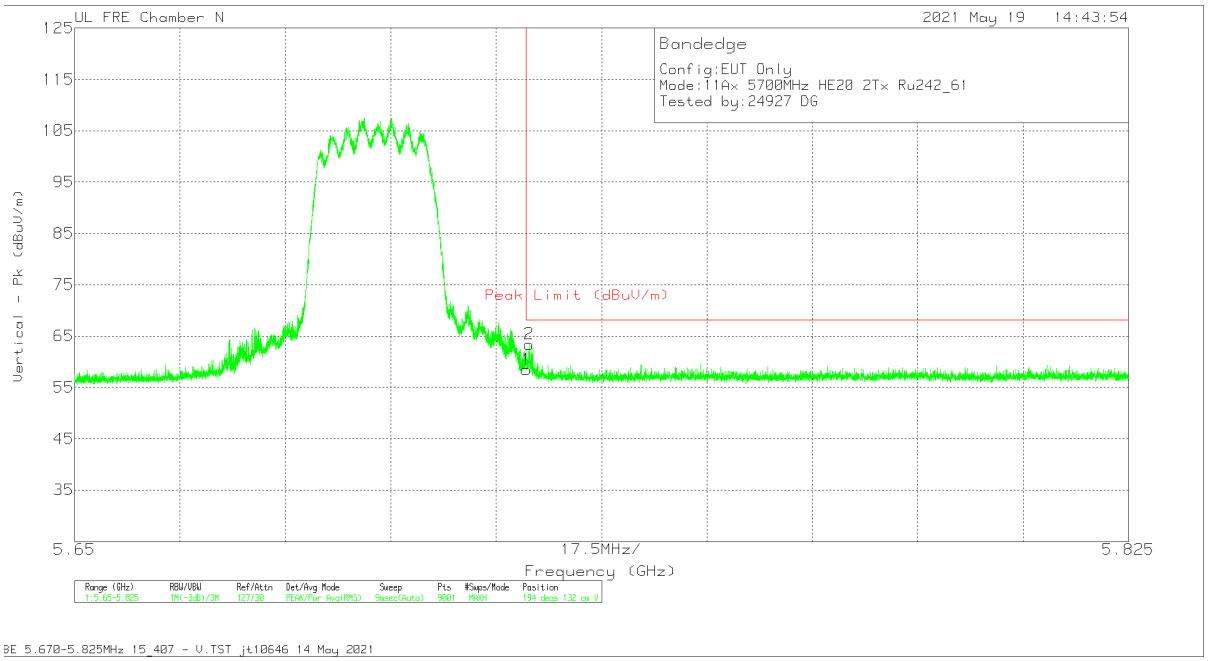
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 56.59 | Pk | 34.6 | -32.7 | 58.49 | 68.2 | -9.71 | 194 | 132 | V |
| 2 | 5.7255 | 61.53 | Pk | 34.6 | -32.7 | 63.43 | 68.2 | -4.77 | 194 | 132 | V |

Pk - Peak detector



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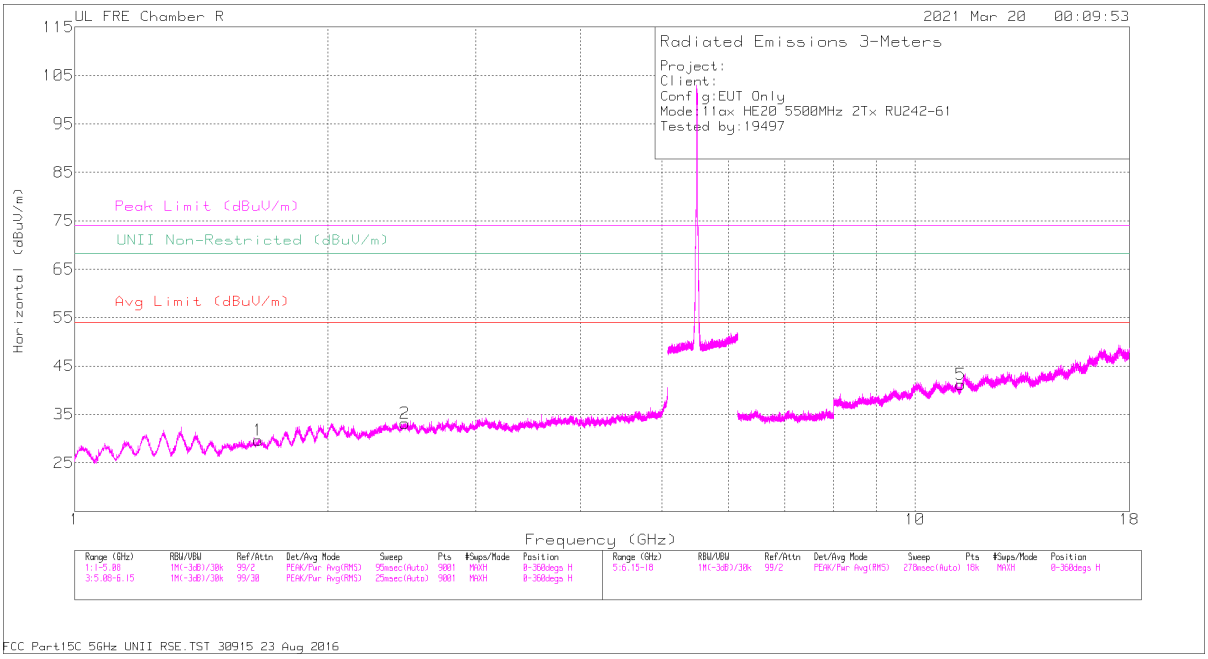
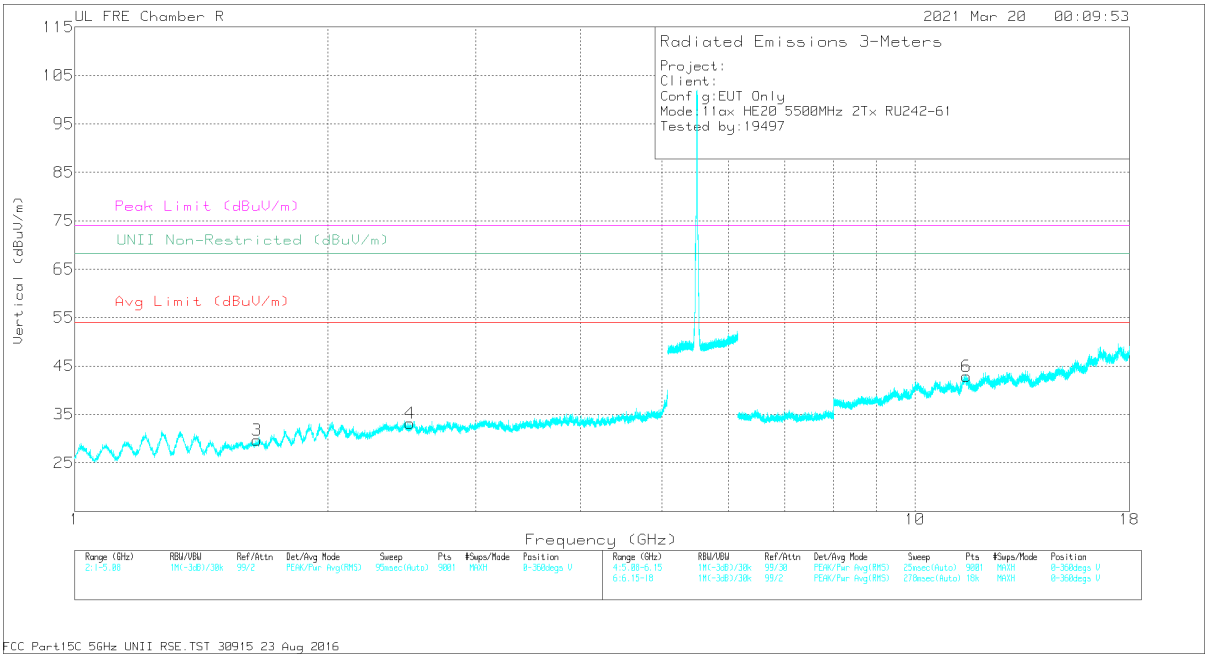
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | * 11.34732 | 48.22 | PK-U | 38.1 | -35.2 | 51.12 | - | - | 74 | -22.88 | - | - | 0 | 100 | H |
| | * 11.34694 | 36.36 | ADR | 38.1 | -35.2 | 39.26 | 54 | -14.74 | - | - | - | - | 0 | 100 | H |
| 6 | * 11.51873 | 47.67 | PK-U | 38.3 | -34 | 51.97 | - | - | 74 | -22.03 | - | - | 0 | 201 | V |
| | * 11.52077 | 35.82 | ADR | 38.3 | -34 | 40.12 | 54 | -13.88 | - | - | - | - | 0 | 201 | V |
| 3 | 1.64982 | 56.6 | PK-U | 28.8 | -45.1 | 40.3 | - | - | - | - | 68.2 | -27.9 | 0 | 201 | V |
| 1 | 1.65344 | 56.22 | PK-U | 28.8 | -45.2 | 39.82 | - | - | - | - | 68.2 | -28.38 | 0 | 100 | H |
| 2 | 2.46952 | 55.73 | PK-U | 32.3 | -44.8 | 43.23 | - | - | - | - | 68.2 | -24.97 | 0 | 100 | H |
| 2 | 2.47031 | 56.12 | PK-U | 32.3 | -44.8 | 43.62 | - | - | - | - | 68.2 | -24.58 | 0 | 100 | H |
| 4 | 2.50843 | 54.91 | PK-U | 32.6 | -44.7 | 42.81 | - | - | - | - | 68.2 | -25.39 | 0 | 200 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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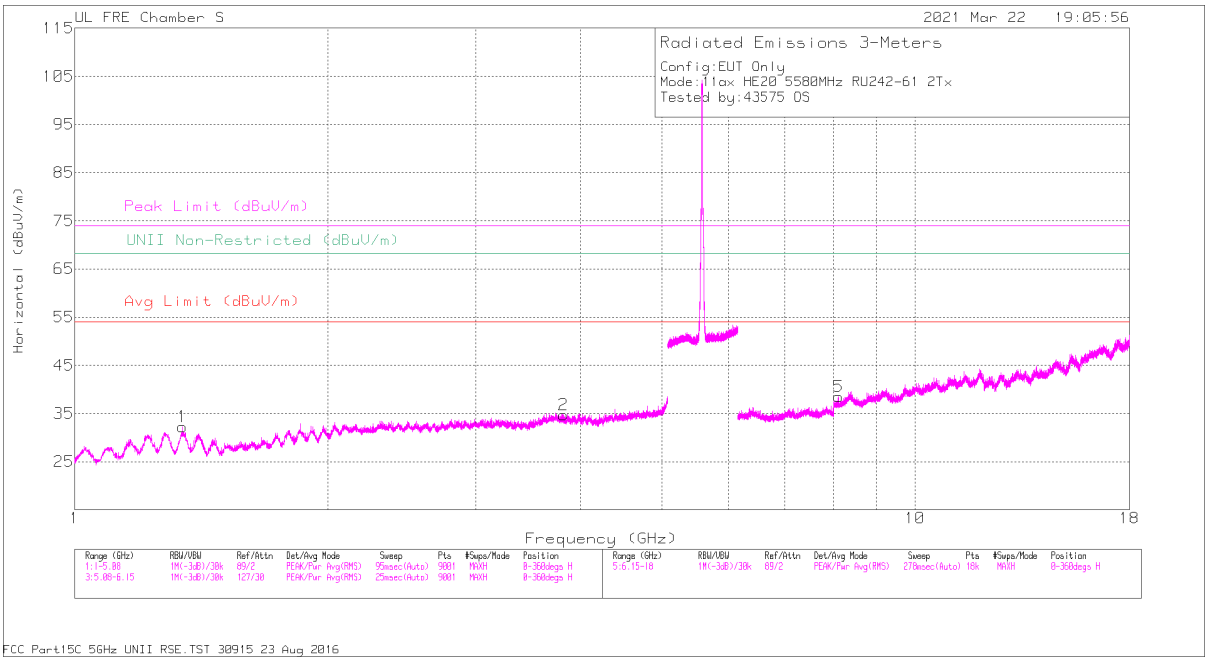
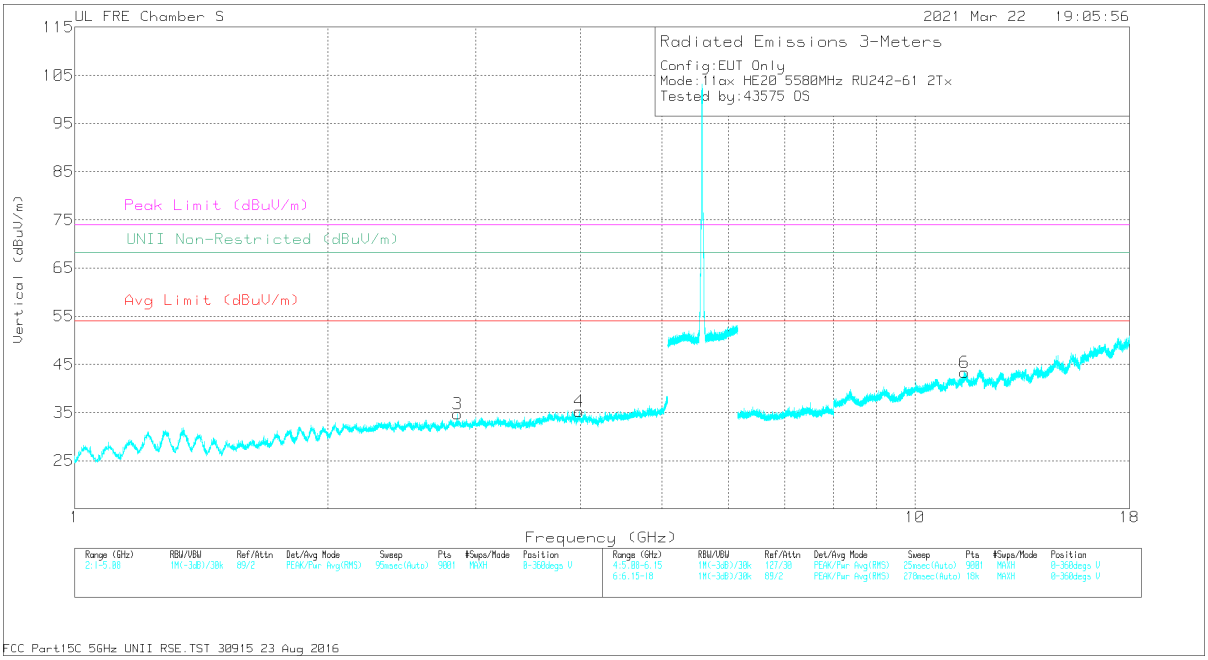
## MID CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.34358 | 57.23 | PK-U | 29.3 | -44.9 | 41.63 | - | - | 74 | -32.37 | - | - | 0 | 100 | H |
| | * 1.34229 | 45.53 | ADR | 29.3 | -44.9 | 29.93 | 54 | -24.07 | - | - | - | - | 0 | 100 | H |
| 2 | * 3.81371 | 51.83 | PK-U | 33.6 | -40.6 | 44.83 | - | - | 74 | -29.17 | - | - | 0 | 100 | H |
| | * 3.81354 | 39.87 | ADR | 33.6 | -40.6 | 32.87 | 54 | -21.13 | - | - | - | - | 0 | 100 | H |
| 3 | * 2.85267 | 53.87 | PK-U | 32.7 | -43.3 | 43.27 | - | - | 74 | -30.73 | - | - | 0 | 201 | V |
| | * 2.85369 | 42.51 | ADR | 32.7 | -43.3 | 31.91 | 54 | -22.09 | - | - | - | - | 0 | 201 | V |
| 4 | * 3.9806 | 52.19 | PK-U | 33.7 | -40.8 | 45.09 | - | - | 74 | -28.91 | - | - | 0 | 200 | V |
| | * 3.983 | 40.14 | ADR | 33.7 | -40.8 | 33.04 | 54 | -20.96 | - | - | - | - | 0 | 200 | V |
| 5 | * 8.10992 | 47.71 | PK-U | 36 | -36.8 | 46.91 | - | - | 74 | -27.09 | - | - | 0 | 200 | H |
| | * 8.10661 | 36.2 | ADR | 36 | -36.9 | 35.3 | 54 | -18.7 | - | - | - | - | 0 | 200 | H |
| 6 | * 11.44687 | 45.97 | PK-U | 38.3 | -33.8 | 50.47 | - | - | 74 | -23.53 | - | - | 0 | 100 | V |
| | * 11.44721 | 34.47 | ADR | 38.3 | -33.8 | 38.97 | 54 | -15.03 | - | - | - | - | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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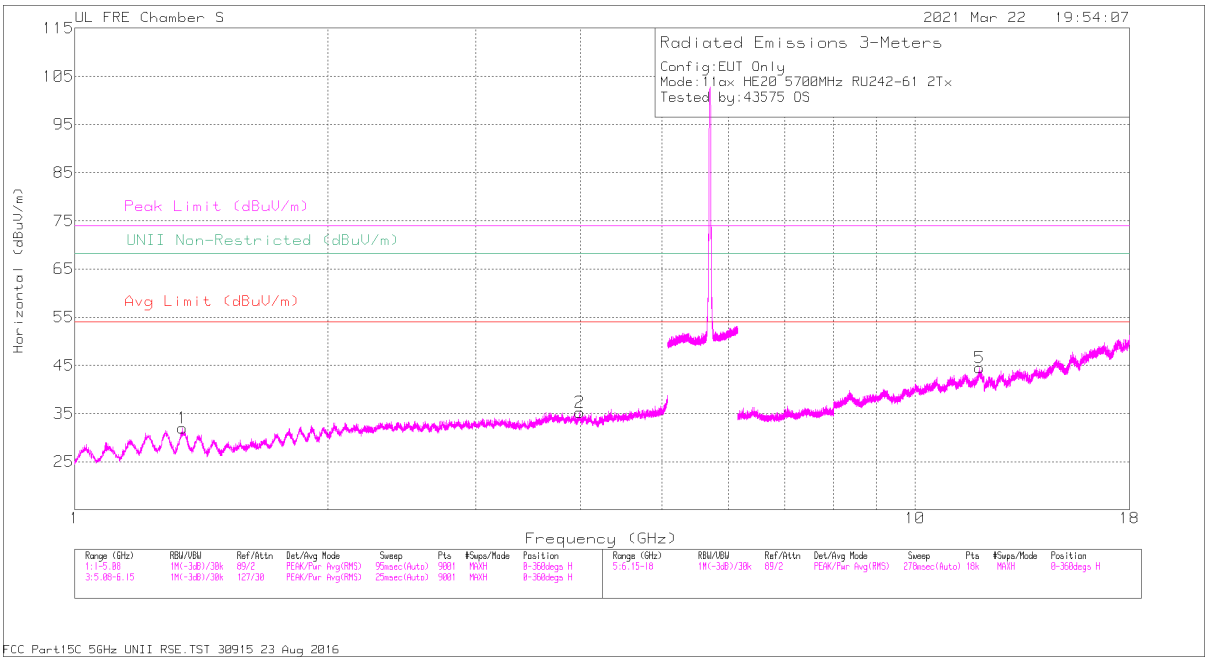
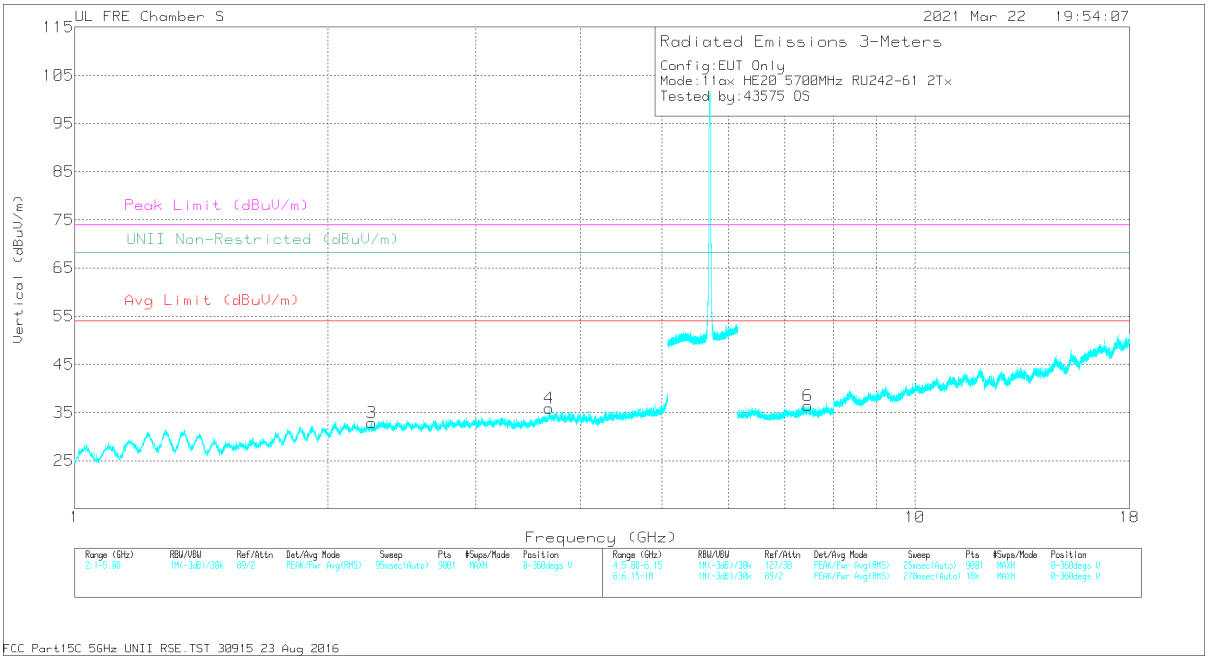
## HIGH CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.34445 | 57.12 | PK-U | 29.3 | -44.9 | 41.52 | - | - | 74 | -32.48 | - | - | 0 | 100 | H |
| | * 1.34315 | 45.58 | ADR | 29.3 | -44.9 | 29.98 | 54 | -24.02 | - | - | - | - | 0 | 100 | H |
| 2 | * 3.99055 | 51.63 | PK-U | 33.7 | -40.8 | 44.53 | - | - | 74 | -29.47 | - | - | 0 | 100 | H |
| | * 3.98934 | 40.2 | ADR | 33.7 | -40.8 | 33.1 | 54 | -20.9 | - | - | - | - | 0 | 100 | H |
| 3 | * 2.2546 | 55.94 | PK-U | 31.3 | -44.9 | 42.34 | - | - | 74 | -31.66 | - | - | 0 | 201 | V |
| | * 2.25483 | 44.23 | ADR | 31.3 | -44.9 | 30.63 | 54 | -23.37 | - | - | - | - | 0 | 201 | V |
| 4 | * 3.67002 | 52.17 | PK-U | 33.4 | -40.8 | 44.77 | - | - | 74 | -29.23 | - | - | 0 | 200 | V |
| | * 3.66832 | 40.37 | ADR | 33.4 | -40.8 | 32.97 | 54 | -21.03 | - | - | - | - | 0 | 200 | V |
| 5 | * 11.94331 | 46.5 | PK-U | 38.8 | -33.9 | 51.4 | - | - | 74 | -22.6 | - | - | 0 | 100 | H |
| | * 11.94072 | 34.87 | ADR | 38.8 | -33.8 | 39.87 | 54 | -14.13 | - | - | - | - | 0 | 100 | H |
| 6 | * 7.45797 | 50.15 | PK-U | 36.3 | -38.3 | 48.15 | - | - | 74 | -25.85 | - | - | 0 | 201 | V |
| | * 7.45816 | 38.54 | ADR | 36.3 | -38.3 | 36.54 | 54 | -17.46 | - | - | - | - | 0 | 201 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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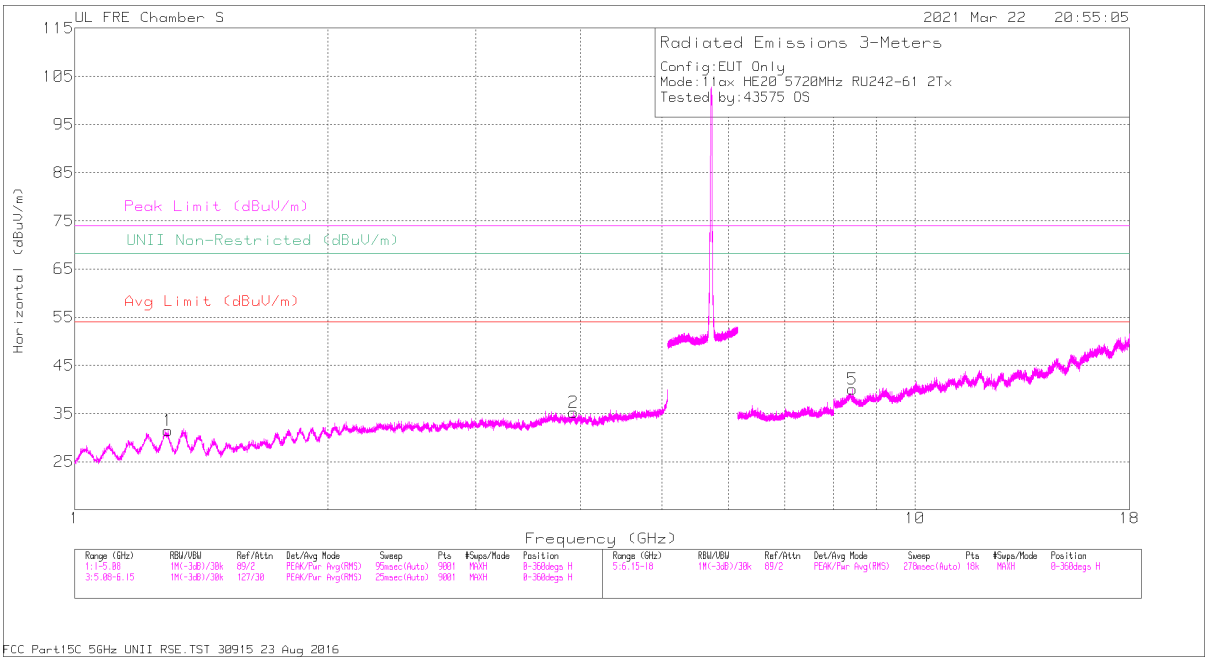
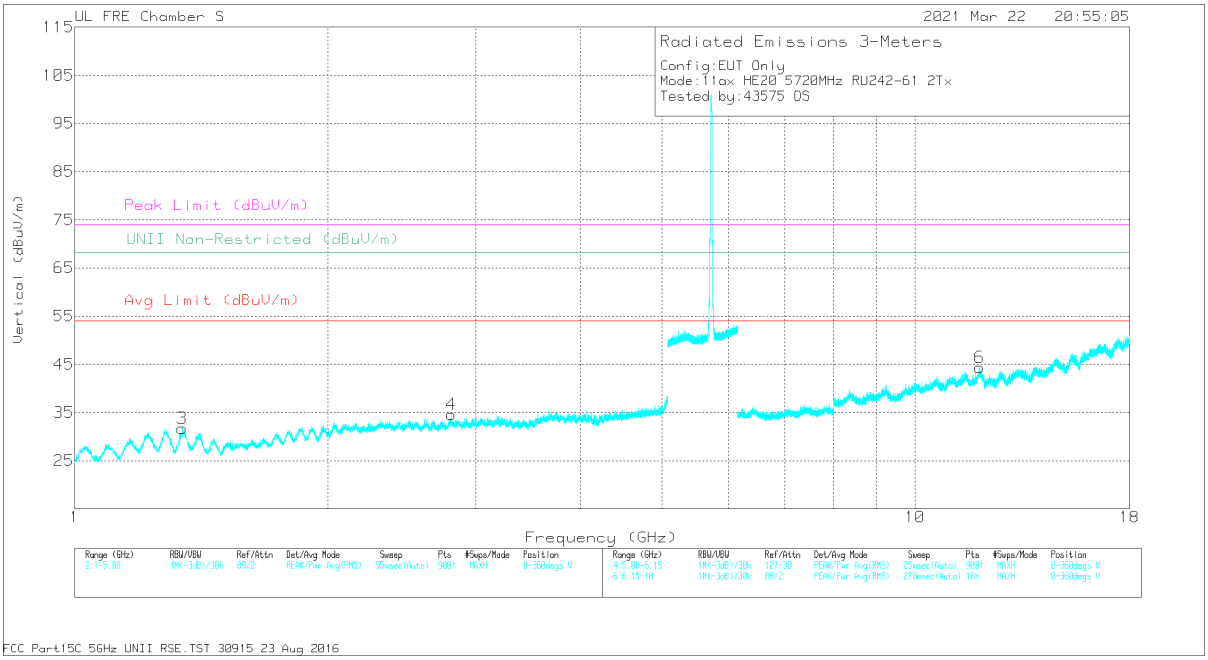
## CHANNEL 144 RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.29089 | 56.8 | PK-U | 29.1 | -45.2 | 40.7 | - | - | 74 | -33.3 | - | - | 0 | 100 | H |
| | * 1.29075 | 45.64 | ADR | 29.1 | -45.2 | 29.54 | 54 | -24.46 | - | - | - | - | 0 | 100 | H |
| 2 | * 3.92572 | 51.47 | PK-U | 33.8 | -40.6 | 44.67 | - | - | 74 | -29.33 | - | - | 0 | 100 | H |
| | * 3.92235 | 40.05 | ADR | 33.8 | -40.6 | 33.25 | 54 | -20.75 | - | - | - | - | 0 | 100 | H |
| 3 | * 1.34039 | 57.24 | PK-U | 29.3 | -44.9 | 41.64 | - | - | 74 | -32.36 | - | - | 0 | 201 | V |
| | * 1.34176 | 45.48 | ADR | 29.3 | -44.9 | 29.88 | 54 | -24.12 | - | - | - | - | 0 | 201 | V |
| 4 | * 2.80373 | 55.41 | PK-U | 32.7 | -43.4 | 44.71 | - | - | 74 | -29.29 | - | - | 0 | 200 | V |
| | * 2.80325 | 42.82 | ADR | 32.7 | -43.5 | 32.02 | 54 | -21.98 | - | - | - | - | 0 | 200 | V |
| 5 | * 8.42 | 49.11 | PK-U | 36 | -36.5 | 48.61 | - | - | 74 | -25.39 | - | - | 0 | 200 | H |
| | * 8.41811 | 37.5 | ADR | 36 | -36.5 | 37 | 54 | -17 | - | - | - | - | 0 | 200 | H |
| 6 | * 11.93925 | 47.03 | PK-U | 38.8 | -33.8 | 52.03 | - | - | 74 | -21.97 | - | - | 0 | 100 | V |
| | * 11.93945 | 34.89 | ADR | 38.8 | -33.8 | 39.89 | 54 | -14.11 | - | - | - | - | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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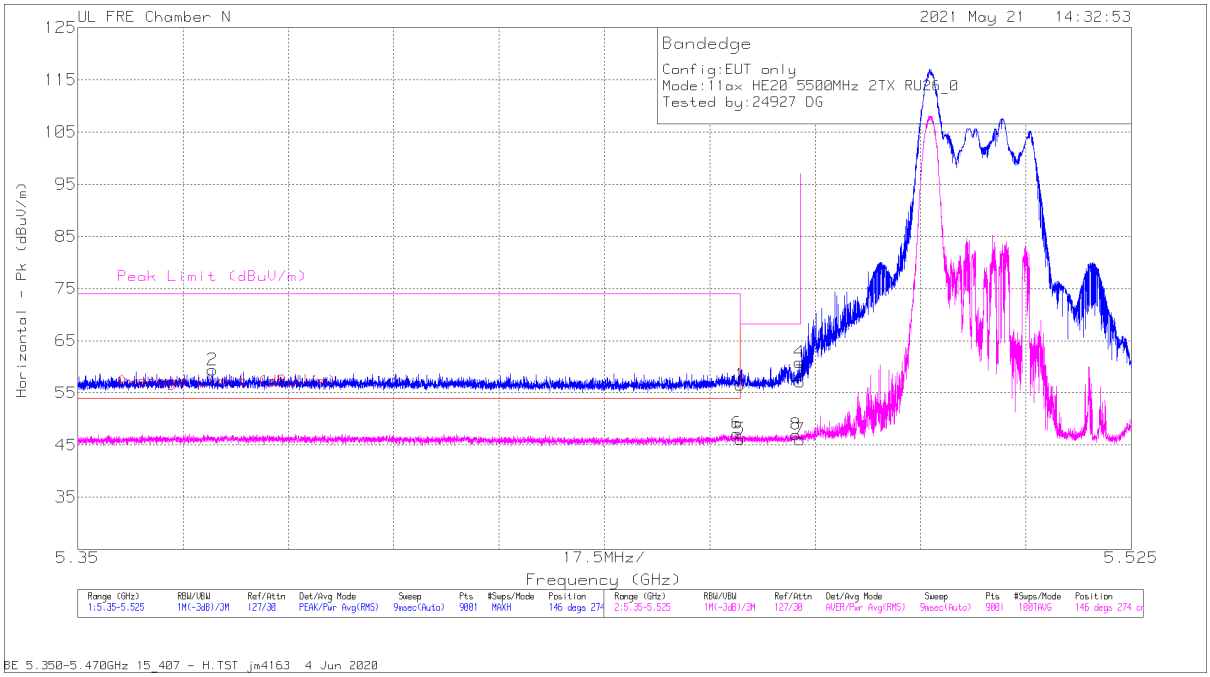
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 26-Tone, RU Index 0**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.3724 | 57.92 | Pk | 34.5 | -33 | 59.42 | - | - | 74 | -14.58 | 146 | 274 | H |
| 6 | 5.45955 | 45.66 | RMS | 34.5 | -32.9 | 47.26 | 54 | -6.74 | - | - | 146 | 274 | H |
| 1 | 5.45999 | 54.9 | Pk | 34.5 | -32.9 | 56.5 | - | - | 74 | -17.5 | 146 | 274 | H |
| 5 | 5.45999 | 44.55 | RMS | 34.5 | -32.9 | 46.15 | 54 | -7.85 | - | - | 146 | 274 | H |
| 8 | 5.46929 | 45.32 | RMS | 34.5 | -32.8 | 47.02 | - | - | - | - | 146 | 274 | H |
| 4 | 5.46987 | 59.18 | Pk | 34.5 | -32.8 | 60.88 | - | - | 68.2 | -7.32 | 146 | 274 | H |
| 3 | 5.46999 | 55.39 | Pk | 34.5 | -32.8 | 57.09 | - | - | 68.2 | -11.11 | 146 | 274 | H |
| 7 | 5.46999 | 44.38 | RMS | 34.5 | -32.8 | 46.08 | - | - | - | - | 146 | 274 | H |

Pk - Peak detector
RMS - RMS detection



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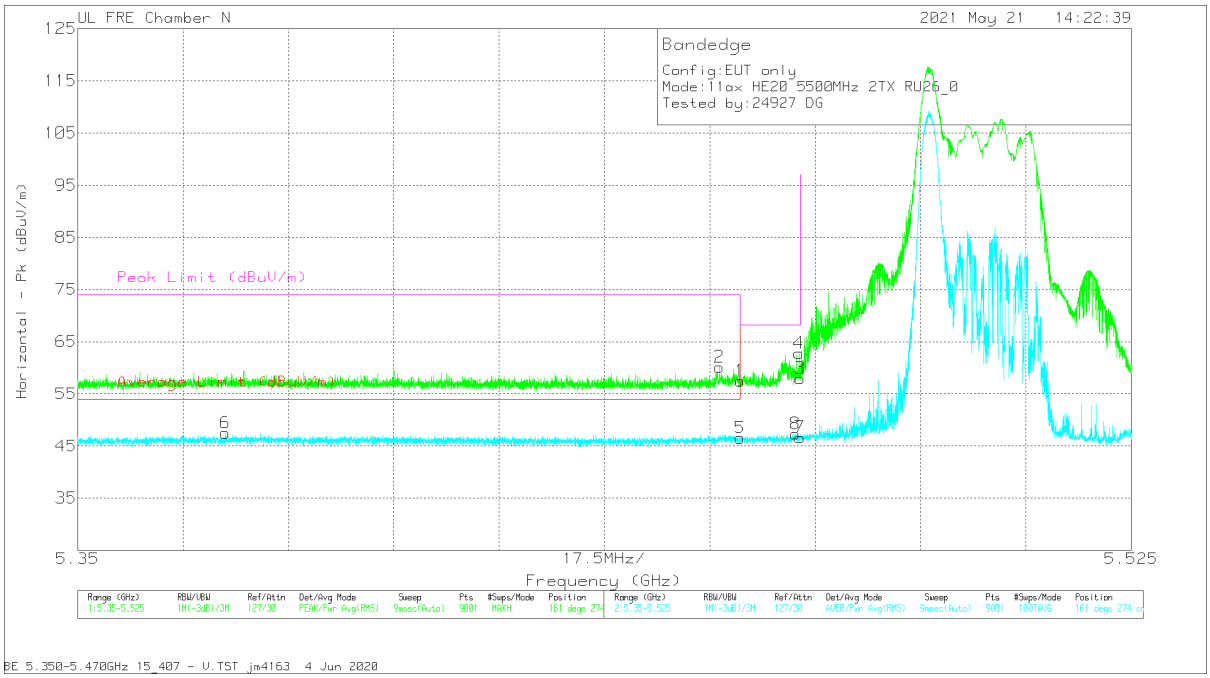
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.37452 | 46.02 | RMS | 34.5 | -33 | 47.52 | 54 | -6.48 | - | - | 161 | 274 | V |
| 2 | 5.45659 | 58.61 | Pk | 34.5 | -33 | 60.11 | - | - | 74 | -13.89 | 161 | 274 | V |
| 1 | 5.45999 | 55.86 | Pk | 34.5 | -32.9 | 57.46 | - | - | 74 | -16.54 | 161 | 274 | V |
| 5 | 5.45999 | 44.97 | RMS | 34.5 | -32.9 | 46.57 | 54 | -7.43 | - | - | 161 | 274 | V |
| 8 | 5.46917 | 45.62 | RMS | 34.5 | -32.8 | 47.32 | - | - | - | - | 161 | 274 | V |
| 4 | 5.46979 | 61.06 | Pk | 34.5 | -32.8 | 62.76 | - | - | 68.2 | -5.44 | 161 | 274 | V |
| 3 | 5.46999 | 56.28 | Pk | 34.5 | -32.8 | 57.98 | - | - | 68.2 | -10.22 | 161 | 274 | V |
| 7 | 5.46999 | 44.96 | RMS | 34.5 | -32.8 | 46.66 | - | - | - | - | 161 | 274 | V |

Pk - Peak detector
RMS - RMS detection



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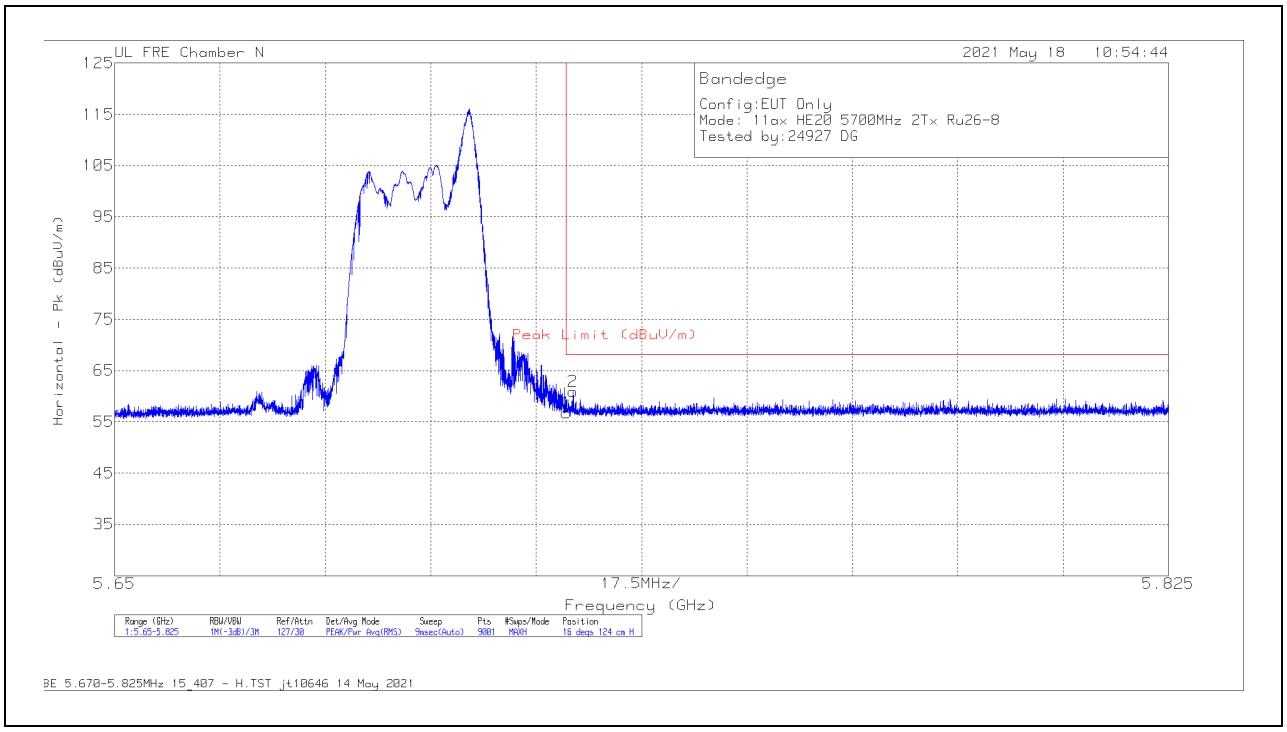
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 26-Tone, RU Index 8**

## BANDEDGE (HIGH CHANNEL)

## HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 54.9 | Pk | 34.6 | -32.7 | 56.8 | 68.2 | -11.4 | 16 | 124 | H |
| 2 | 5.72608 | 59.05 | Pk | 34.6 | -32.7 | 60.95 | 68.2 | -7.25 | 16 | 124 | H |

Pk - Peak detector



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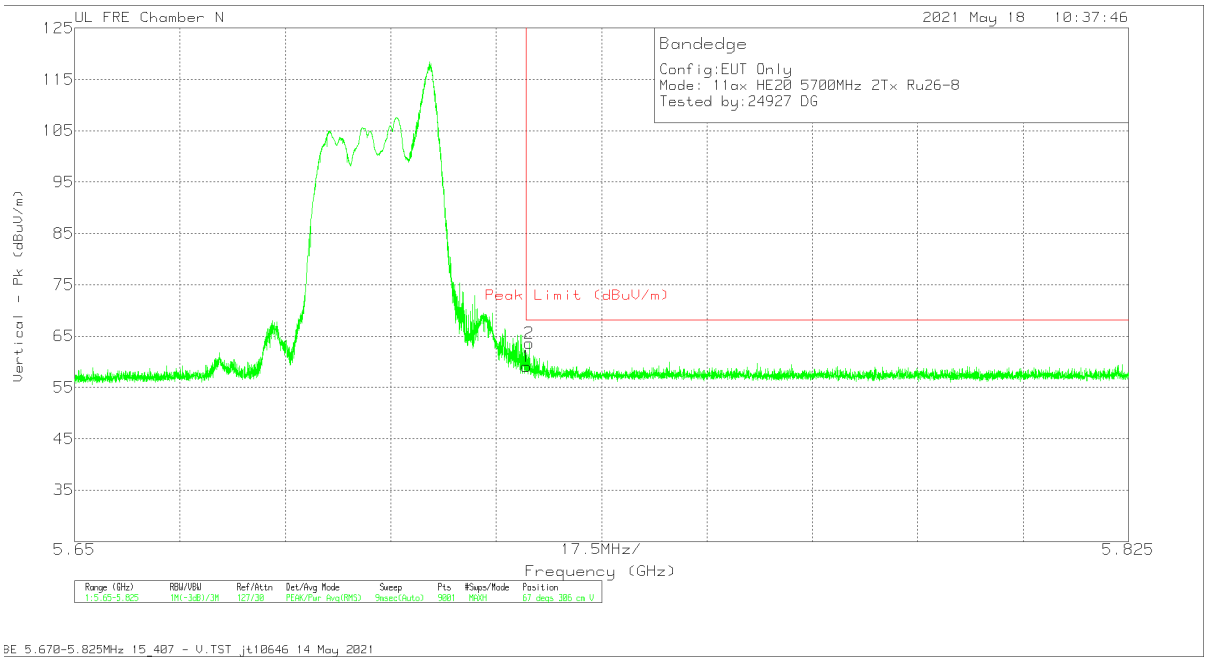
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 57.2 | Pk | 34.6 | -32.7 | 59.1 | 68.2 | -9.1 | 67 | 306 | V |
| 2 | 5.72546 | 61.73 | Pk | 34.6 | -32.7 | 63.63 | 68.2 | -4.57 | 67 | 306 | V |

Pk - Peak detector



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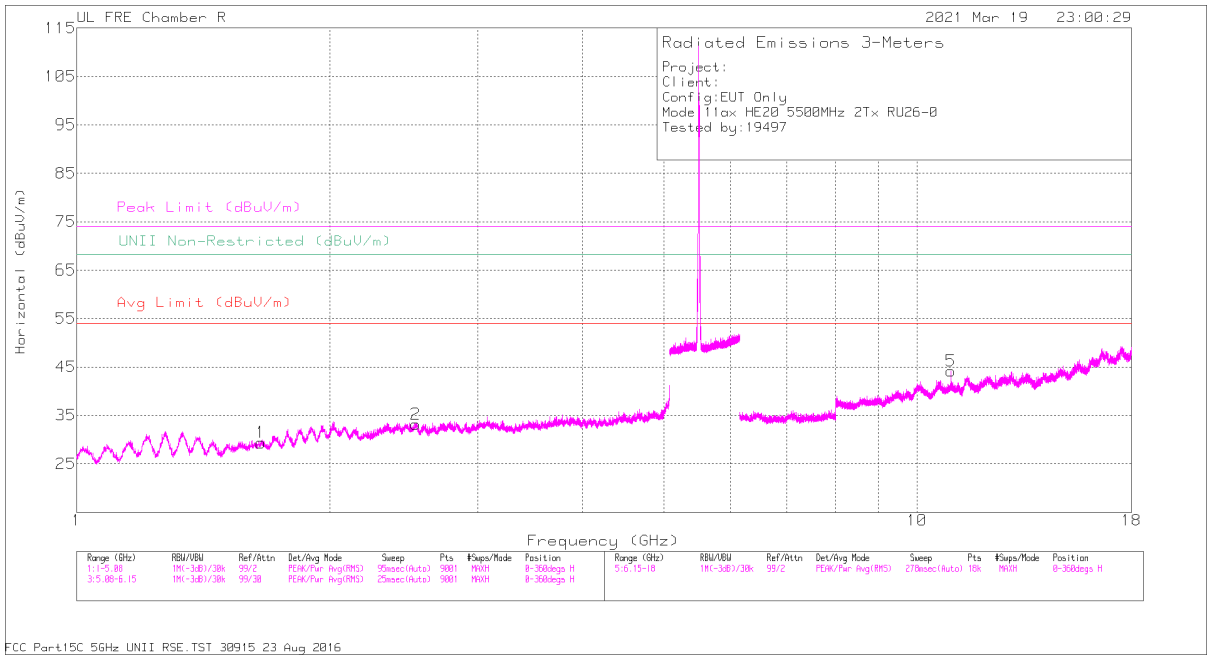
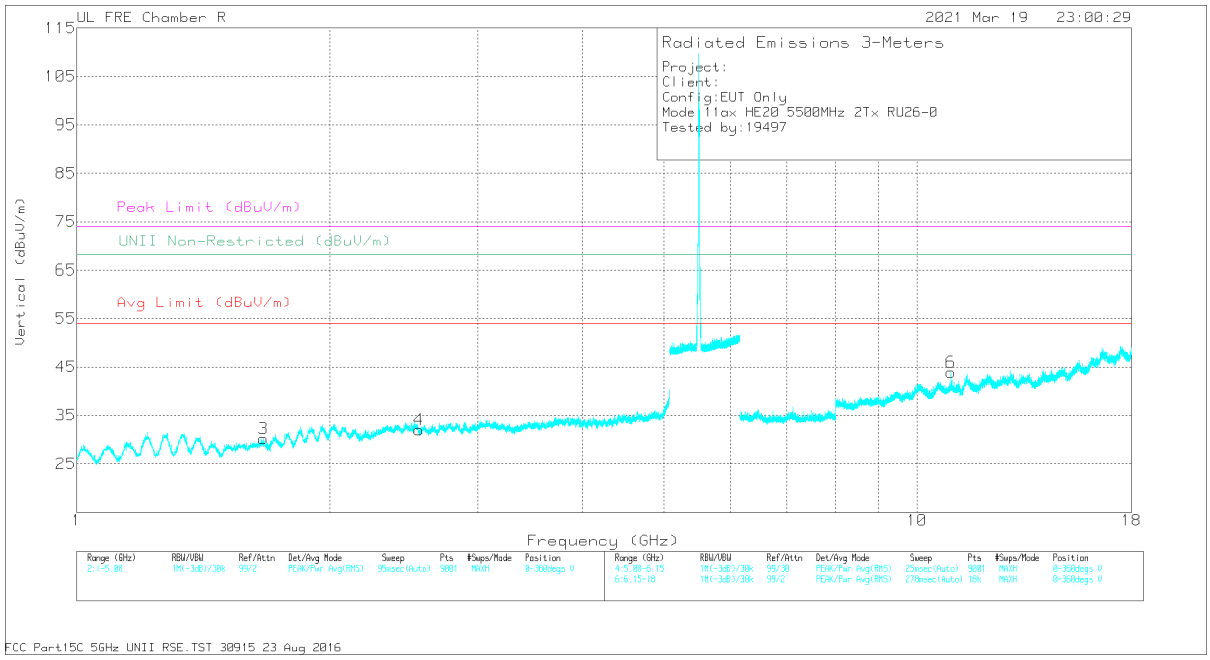
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 26-Tone, RU Index 0**

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | * 1.6664 | 44.63 | ADR | 28.8 | -45.2 | 28.23 | 54 | -25.77 | - | - | - | - | 0 | 201 | V |
| 3 | * 1.6670 | 56.22 | PK-U | 28.8 | -45.2 | 39.82 | - | - | 74 | -34.18 | - | - | 0 | 201 | V |
| | * 10.9832 | 37.26 | ADR | 38 | -35.3 | 39.96 | 54 | -14.04 | - | - | - | - | 0 | 100 | H |
| 5 | * 10.9835 | 48.56 | PK-U | 37.9 | -35.3 | 51.16 | - | - | 74 | -22.84 | - | - | 0 | 100 | H |
| 6 | * 10.9846 | 47.48 | PK-U | 37.9 | -35.3 | 50.08 | - | - | 74 | -23.92 | - | - | 0 | 201 | V |
| | * 10.9836 | 36.38 | ADR | 37.9 | -35.3 | 38.98 | 54 | -15.02 | - | - | - | - | 0 | 201 | V |
| 1 | 1.6578 | 56.41 | PK-U | 28.8 | -45.1 | 40.11 | - | - | - | - | 68.2 | -28.09 | 0 | 100 | H |
| 2 | 2.5309 | 55.75 | PK-U | 32.6 | -44.6 | 43.75 | - | - | - | - | 68.2 | -24.45 | 0 | 100 | H |
| 4 | 2.5514 | 54.54 | PK-U | 32.4 | -44.7 | 42.24 | - | - | - | - | 68.2 | -25.96 | 0 | 200 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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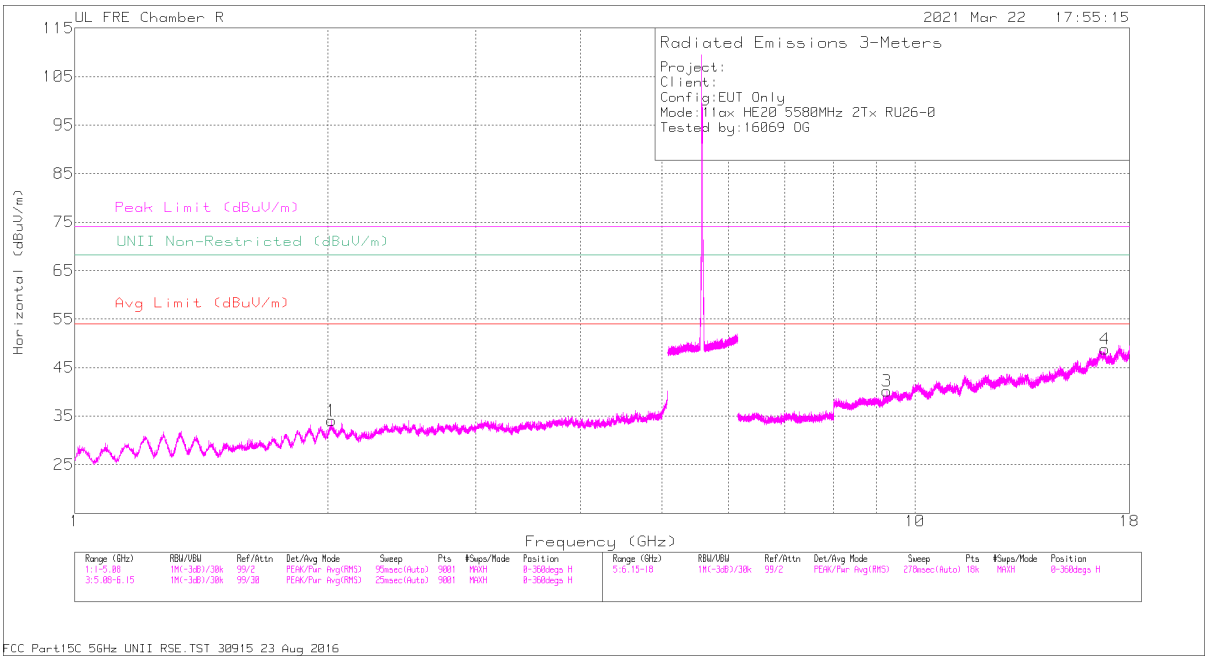
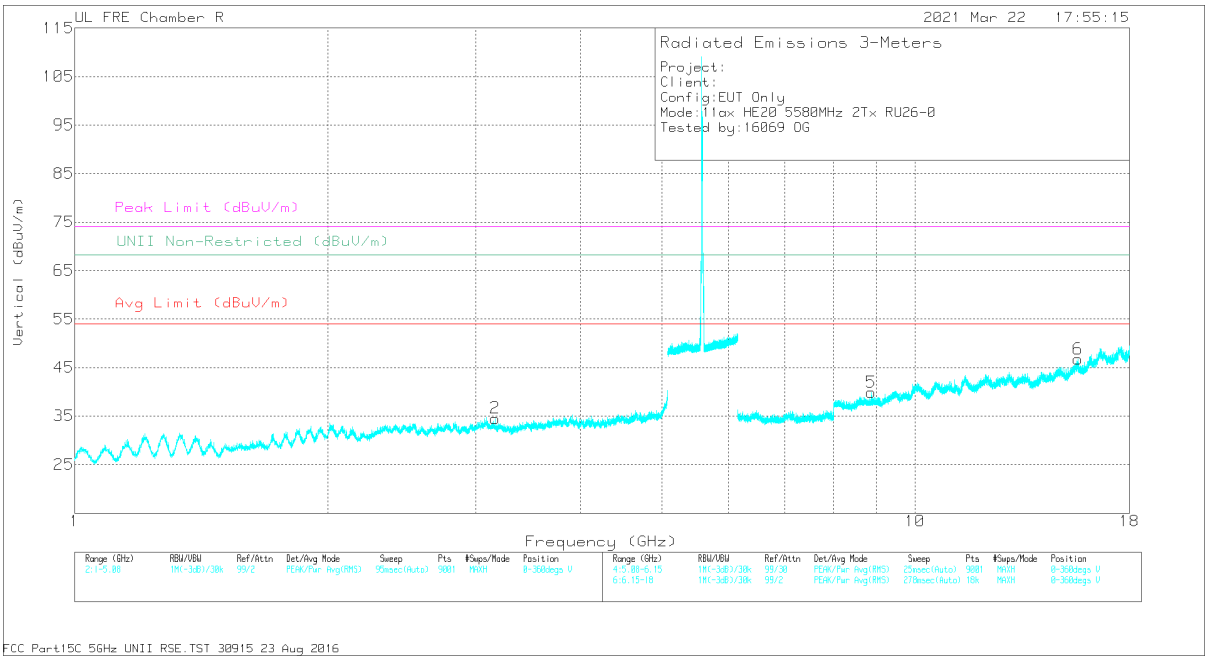
## MID CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | * 15.6305 | 46.95 | PK-U | 40.3 | -32.8 | 54.45 | - | - | 74 | -19.55 | - | - | 0 | 200 | V |
| | * 15.6324 | 35.59 | ADR | 40.4 | -32.9 | 43.09 | 54 | -10.91 | - | - | - | - | 0 | 200 | V |
| 1 | 2.0215 | 57.19 | PK-U | 31.6 | -45.2 | 43.59 | - | - | - | - | 68.2 | -24.61 | 0 | 100 | H |
| 2 | 3.1668 | 52.22 | PK-U | 32.9 | -41.6 | 43.52 | - | - | - | - | 68.2 | -24.68 | 0 | 201 | V |
| 5 | 8.8675 | 49.53 | PK-U | 36.2 | -36.8 | 48.93 | - | - | - | - | 68.2 | -19.27 | 0 | 200 | V |
| 3 | 9.2682 | 48.58 | PK-U | 36.5 | -36.8 | 48.28 | - | - | - | - | 68.2 | -19.92 | 0 | 100 | H |
| 4 | 16.8262 | 48.48 | PK-U | 42.1 | -33.8 | 56.78 | - | - | - | - | 68.2 | -11.42 | 0 | 100 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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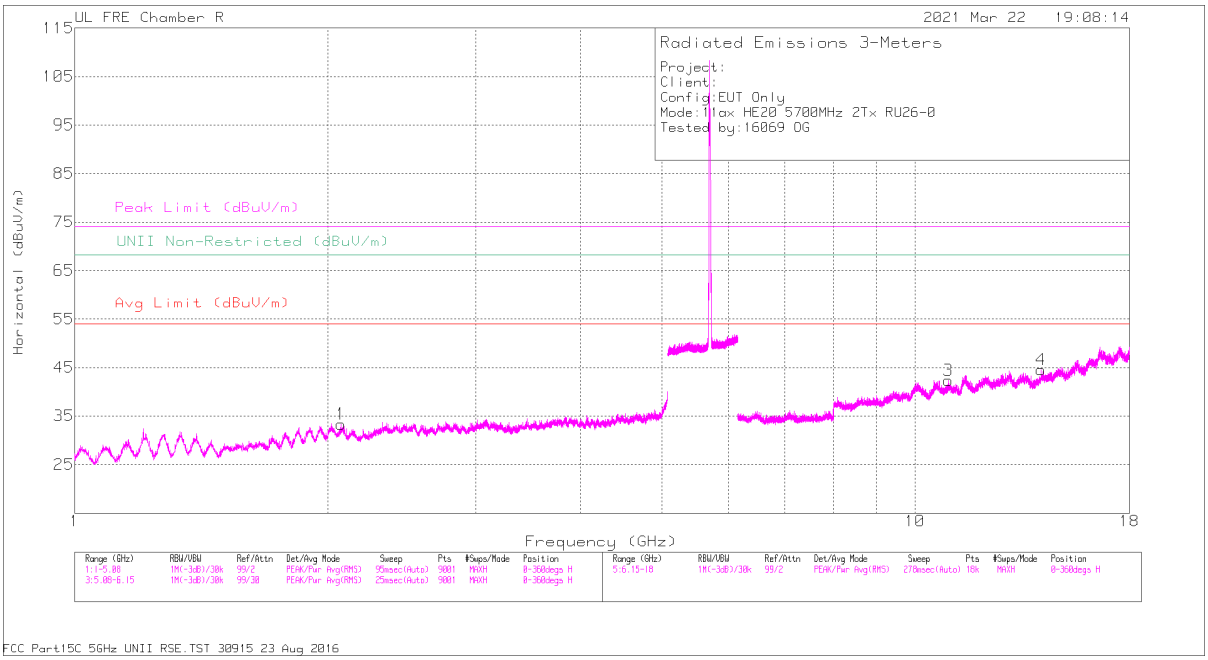
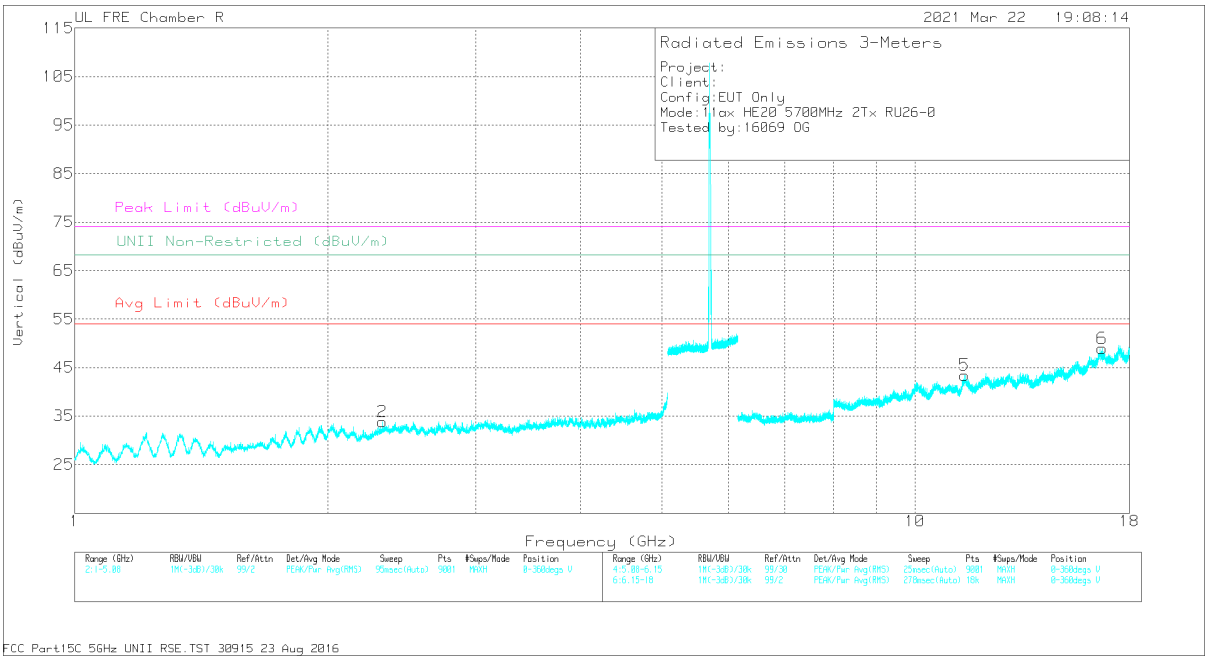
## HIGH CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | * 2.3242 | 56.07 | PK-U | 32.2 | -45.5 | 42.77 | - | - | 74 | -31.23 | - | - | 0 | 201 | V |
| | * 2.3251 | 44.32 | ADR | 32.2 | -45.5 | 31.02 | 54 | -22.98 | - | - | - | - | 0 | 201 | V |
| 3 | * 10.9628 | 48.1 | PK-U | 37.9 | -35.3 | 50.7 | - | - | 74 | -23.3 | - | - | 0 | 100 | H |
| | * 10.9598 | 36.52 | ADR | 38 | -35.2 | 39.32 | 54 | -14.68 | - | - | - | - | 0 | 100 | H |
| 5 | * 11.4600 | 47.75 | PK-U | 38.3 | -33.8 | 52.25 | - | - | 74 | -21.75 | - | - | 0 | 201 | V |
| | * 11.4606 | 36.17 | ADR | 38.3 | -33.8 | 40.67 | 54 | -13.33 | - | - | - | - | 0 | 201 | V |
| 1 | 2.0744 | 56.39 | PK-U | 31.5 | -45.1 | 42.79 | - | - | - | - | 68.2 | -25.41 | 0 | 100 | H |
| 4 | 14.1300 | 48.55 | PK-U | 38.7 | -34 | 53.25 | - | - | - | - | 68.2 | -14.95 | 0 | 100 | H |
| 6 | 16.7046 | 48.93 | PK-U | 42.1 | -33.6 | 57.43 | - | - | - | - | 68.2 | -10.77 | 0 | 200 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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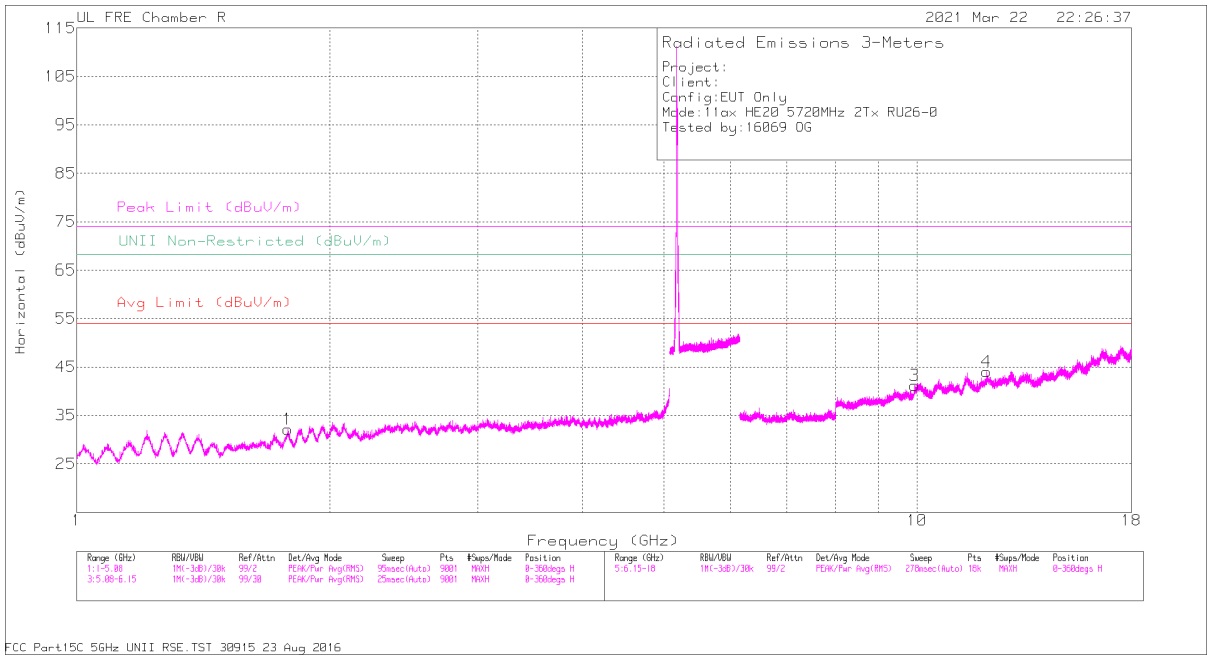
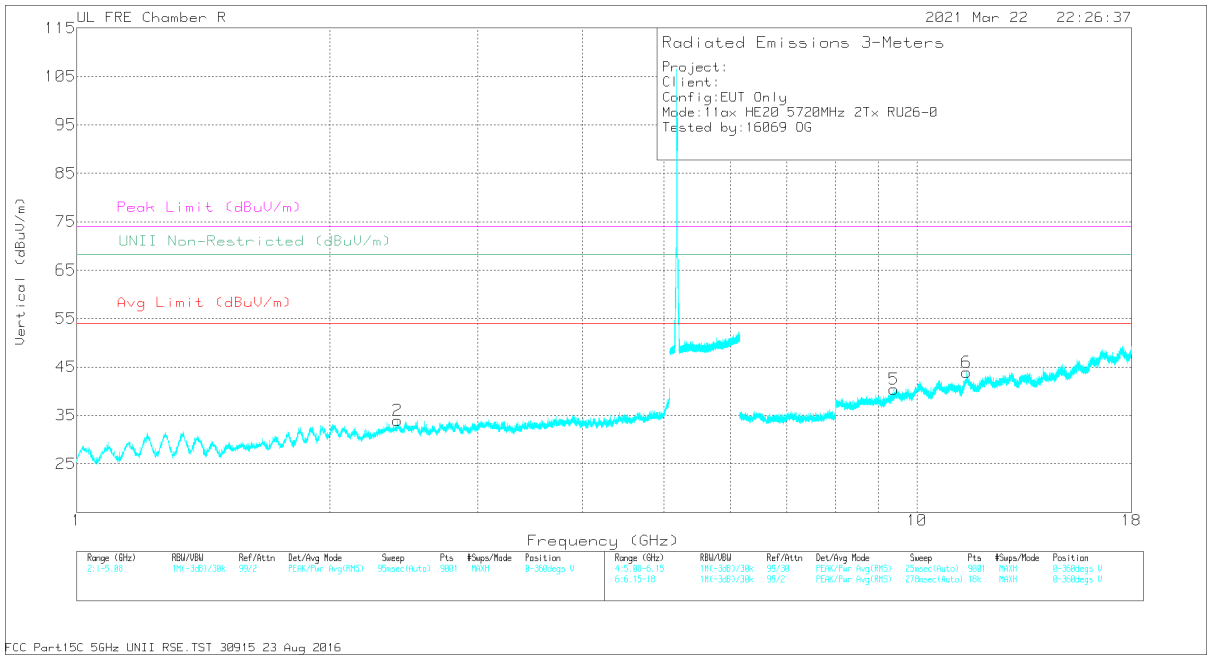
## CHANNEL 144 RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | * 12.1046 | 47.59 | PK-U | 38.9 | -34.2 | 52.29 | - | - | 74 | -21.71 | - | - | 0 | 100 | H |
| | * 12.1034 | 36.09 | ADR | 38.9 | -34.2 | 40.79 | 54 | -13.21 | - | - | - | - | 0 | 100 | H |
| 5 | * 9.3889 | 49.38 | PK-U | 36.5 | -36.7 | 49.18 | - | - | 74 | -24.82 | - | - | 0 | 201 | V |
| | * 9.3874 | 37.68 | ADR | 36.5 | -36.7 | 37.48 | 54 | -16.52 | - | - | - | - | 0 | 201 | V |
| 6 | * 11.4561 | 47.61 | PK-U | 38.3 | -33.9 | 52.01 | - | - | 74 | -21.99 | - | - | 0 | 200 | V |
| | * 11.4536 | 36.12 | ADR | 38.3 | -33.9 | 40.52 | 54 | -13.48 | - | - | - | - | 0 | 200 | V |
| 1 | 1.7830 | 56.37 | PK-U | 30.2 | -45.2 | 41.37 | - | - | - | - | 68.2 | -26.83 | 0 | 100 | H |
| 2 | 2.4097 | 56.66 | PK-U | 32.1 | -45.2 | 43.56 | - | - | - | - | 68.2 | -24.64 | 0 | 201 | V |
| 3 | 9.9340 | 49.63 | PK-U | 37.2 | -36.5 | 50.33 | - | - | - | - | 68.2 | -17.87 | 0 | 100 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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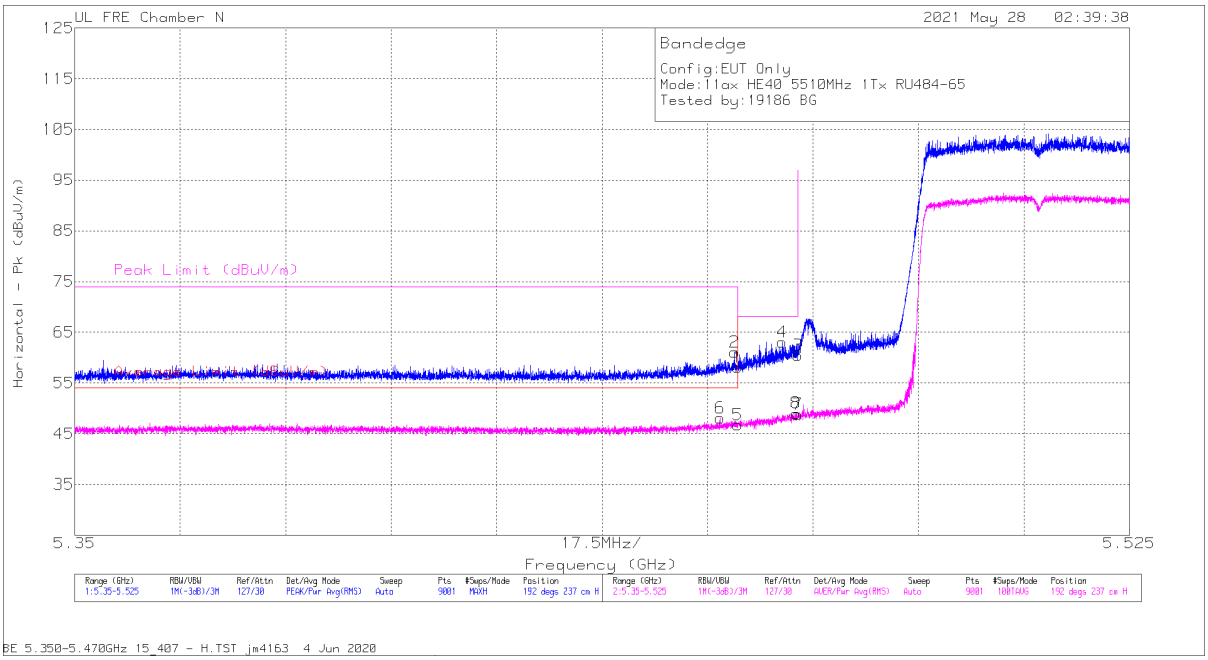
## 1.1.17. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.6 GHz BAND

**1TX ANTENNA 6 – 484-Tone, RU Index 65**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.45712 | 46.37 | RMS | 34.5 | -32.9 | .1 | 48.07 | 54 | -5.93 | - | - | 192 | 237 | H |
| 2 | 5.45947 | 59.44 | Pk | 34.5 | -32.9 | 0 | 61.04 | - | - | 74 | -12.96 | 192 | 237 | H |
| 1 | 5.45999 | 56.54 | Pk | 34.5 | -32.9 | 0 | 58.14 | - | - | 74 | -15.86 | 192 | 237 | H |
| 5 | 5.45999 | 45.03 | RMS | 34.5 | -32.9 | .1 | 46.73 | 54 | -7.27 | - | - | 192 | 237 | H |
| 4 | 5.46742 | 61.62 | Pk | 34.4 | -32.9 | 0 | 63.12 | - | - | 68.2 | -5.08 | 192 | 237 | H |
| 8 | 5.46968 | 47.23 | RMS | 34.5 | -32.8 | .1 | 49.03 | - | - | - | - | 192 | 237 | H |
| 3 | 5.46999 | 58.77 | Pk | 34.5 | -32.8 | 0 | 60.47 | - | - | 68.2 | -7.73 | 192 | 237 | H |
| 7 | 5.46999 | 47.05 | RMS | 34.5 | -32.8 | .1 | 48.85 | - | - | - | - | 192 | 237 | H |

Pk - Peak detector
RMS - RMS detection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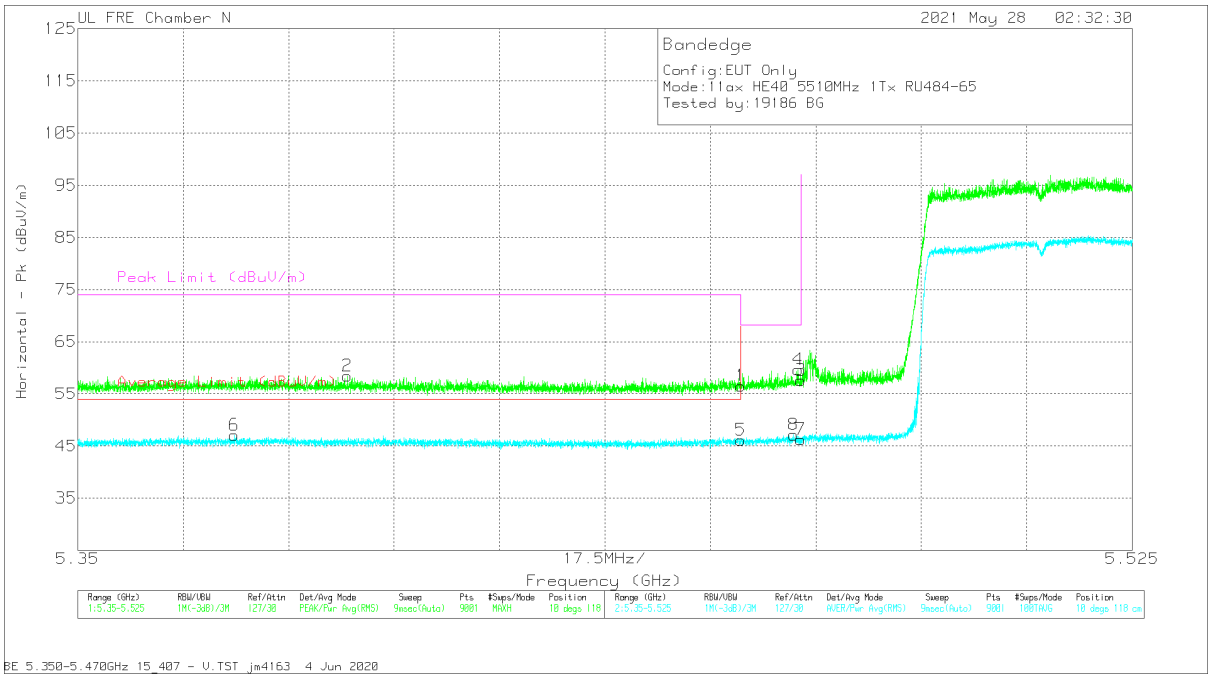
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.376 | 45.47 | RMS | 34.5 | -33 | .1 | 47.07 | 54 | -6.93 | - | - | 10 | 118 | V |
| 2 | 5.39478 | 56.96 | Pk | 34.5 | -33 | 0 | 58.46 | - | - | 74 | -15.54 | 10 | 118 | V |
| 1 | 5.45999 | 54.95 | Pk | 34.5 | -32.9 | 0 | 56.55 | - | - | 74 | -17.45 | 10 | 118 | V |
| 5 | 5.45999 | 44.45 | RMS | 34.5 | -32.9 | .1 | 46.15 | 54 | -7.85 | - | - | 10 | 118 | V |
| 8 | 5.46882 | 45.37 | RMS | 34.5 | -32.8 | .1 | 47.17 | - | - | - | - | 10 | 118 | V |
| 4 | 5.46956 | 57.96 | Pk | 34.5 | -32.8 | 0 | 59.66 | - | - | 68.2 | -8.54 | 10 | 118 | V |
| 3 | 5.46999 | 55.91 | Pk | 34.5 | -32.8 | 0 | 57.61 | - | - | 68.2 | -10.59 | 10 | 118 | V |
| 7 | 5.46999 | 44.44 | RMS | 34.5 | -32.8 | .1 | 46.24 | - | - | - | - | 10 | 118 | V |

Pk - Peak detector
RMS - RMS detection



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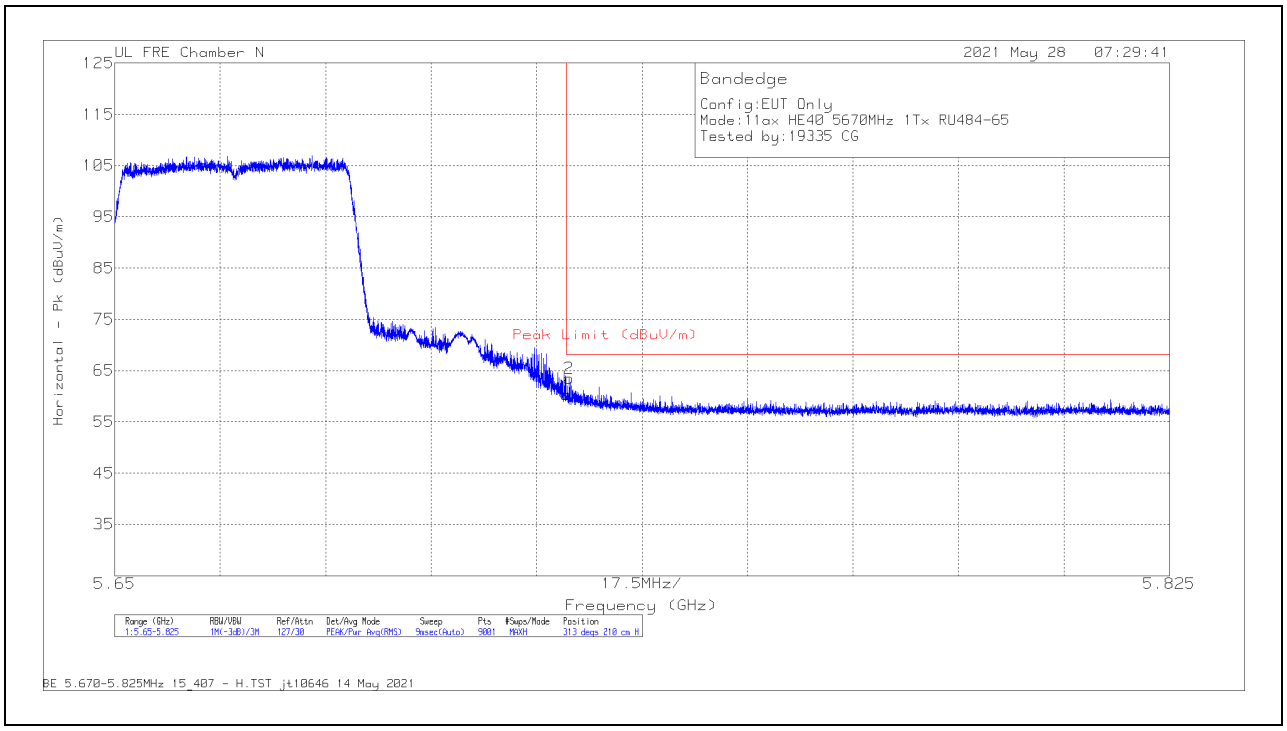
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 58.44 | Pk | 34.6 | -32.7 | 60.34 | 68.2 | -7.86 | 313 | 210 | H |
| 2 | 5.72536 | 61.63 | Pk | 34.6 | -32.7 | 63.53 | 68.2 | -4.67 | 313 | 210 | H |

Pk - Peak detector



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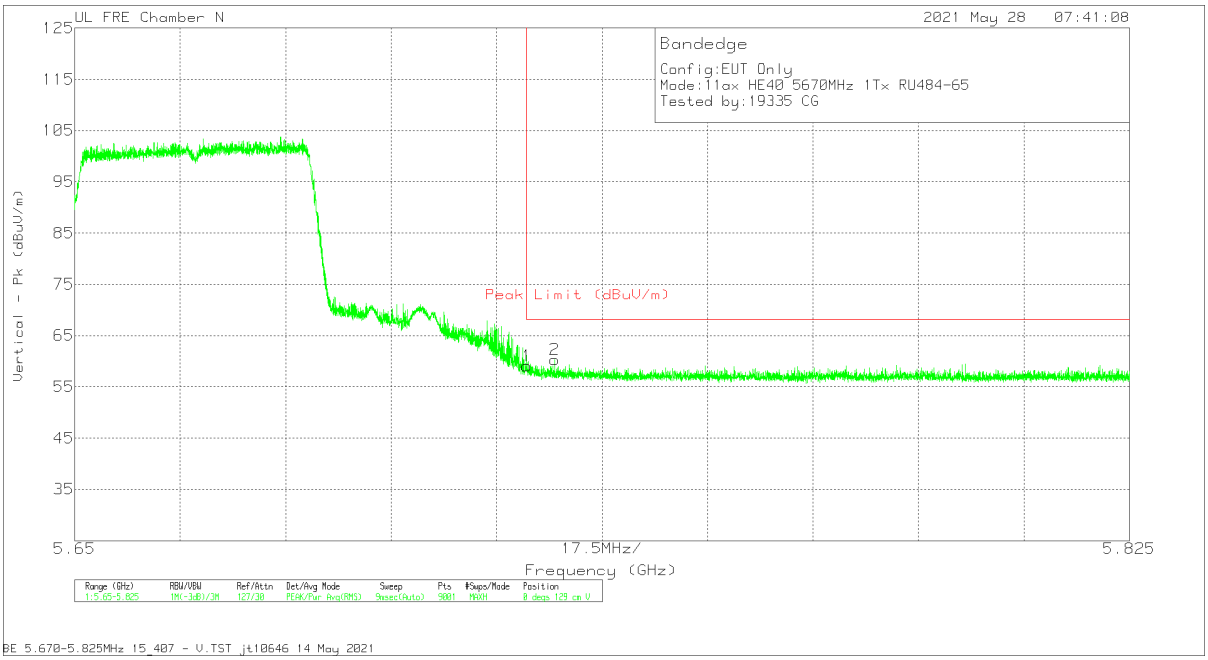
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 57.18 | Pk | 34.6 | -32.7 | 59.08 | 68.2 | -9.12 | 0 | 129 | V |
| 2 | 5.72962 | 58.46 | Pk | 34.6 | -32.7 | 60.36 | 68.2 | -7.84 | 0 | 129 | V |

Pk - Peak detector



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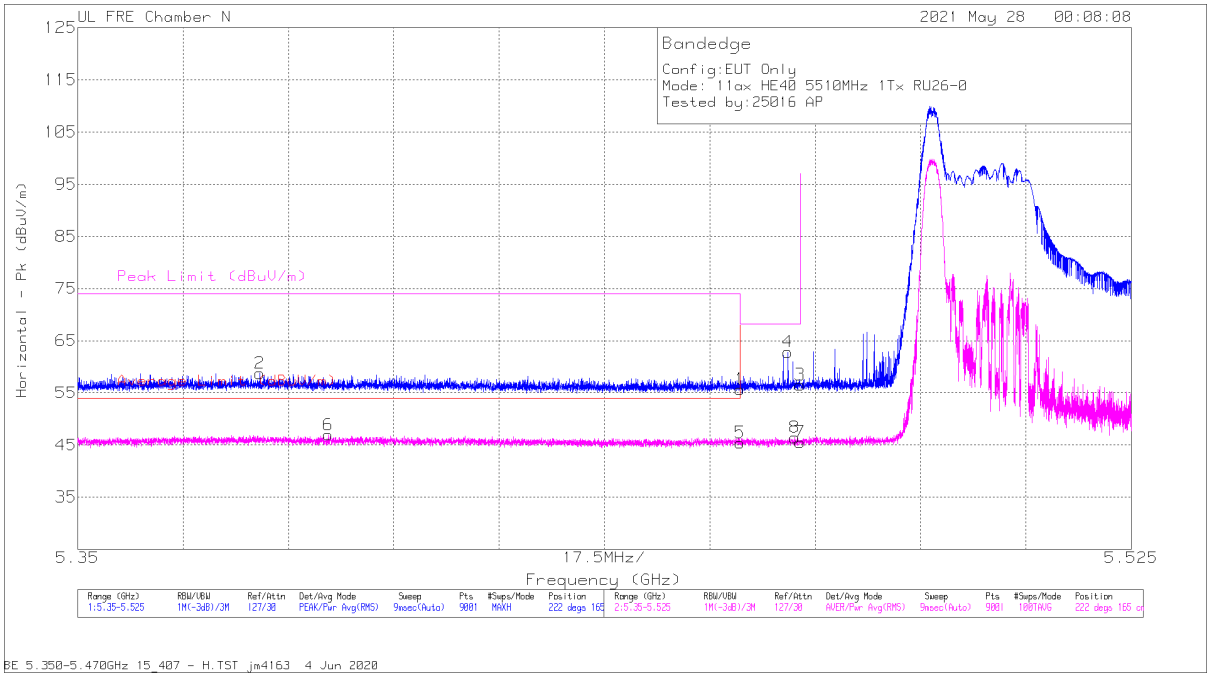
**1TX ANTENNA 6 – 26-Tone, RU Index 0**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.38029 | 57.15 | Pk | 34.6 | -33 | 0 | 58.75 | - | - | 74 | -15.25 | 222 | 165 | H |
| 6 | 5.39163 | 45.32 | RMS | 34.5 | -33 | .1 | 46.92 | 54 | -7.08 | - | - | 222 | 165 | H |
| 1 | 5.45999 | 54.08 | Pk | 34.5 | -32.9 | 0 | 55.68 | - | - | 74 | -18.32 | 222 | 165 | H |
| 5 | 5.45999 | 43.68 | RMS | 34.5 | -32.9 | .1 | 45.38 | 54 | -8.62 | - | - | 222 | 165 | H |
| 4 | 5.46799 | 61.33 | Pk | 34.4 | -32.9 | 0 | 62.83 | - | - | 68.2 | -5.37 | 222 | 165 | H |
| 8 | 5.46911 | 44.62 | RMS | 34.5 | -32.8 | .1 | 46.42 | - | - | - | - | 222 | 165 | H |
| 3 | 5.46999 | 54.82 | Pk | 34.5 | -32.8 | 0 | 56.52 | - | - | 68.2 | -11.68 | 222 | 165 | H |
| 7 | 5.46999 | 43.71 | RMS | 34.5 | -32.8 | .1 | 45.51 | - | - | - | - | 222 | 165 | H |

Pk - Peak detector
RMS - RMS detection



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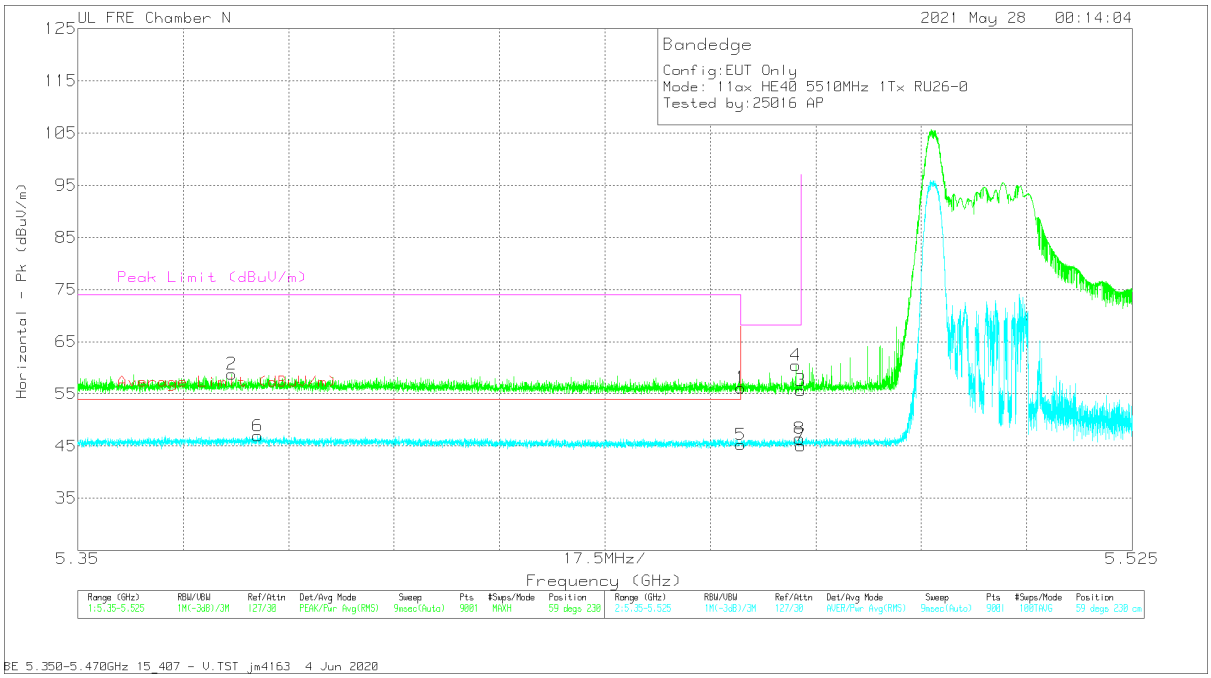
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.37557 | 57.29 | Pk | 34.5 | -33 | 0 | 58.79 | - | - | 74 | -15.21 | 59 | 230 | V |
| 6 | 5.37989 | 45.22 | RMS | 34.6 | -33 | .1 | 46.92 | 54 | -7.08 | - | - | 59 | 230 | V |
| 1 | 5.45999 | 54.54 | Pk | 34.5 | -32.9 | 0 | 56.14 | - | - | 74 | -17.86 | 59 | 230 | V |
| 5 | 5.45999 | 43.53 | RMS | 34.5 | -32.9 | .1 | 45.23 | 54 | -8.77 | - | - | 59 | 230 | V |
| 4 | 5.46915 | 58.77 | Pk | 34.5 | -32.8 | 0 | 60.47 | - | - | 68.2 | -7.73 | 59 | 230 | V |
| 8 | 5.46978 | 44.61 | RMS | 34.5 | -32.8 | .1 | 46.41 | - | - | - | - | 59 | 230 | V |
| 3 | 5.46999 | 53.95 | Pk | 34.5 | -32.8 | 0 | 55.65 | - | - | 68.2 | -12.55 | 59 | 230 | V |
| 7 | 5.46999 | 43.25 | RMS | 34.5 | -32.8 | .1 | 45.05 | - | - | - | - | 59 | 230 | V |

Pk - Peak detector
RMS - RMS detection



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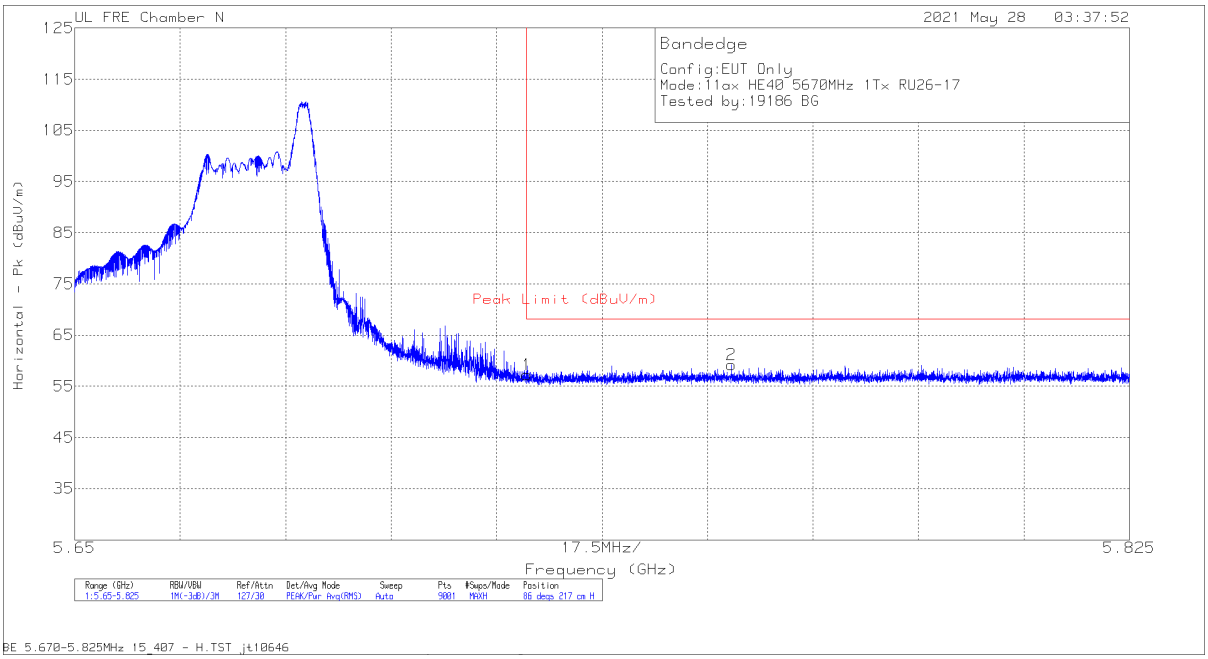
**1TX ANTENNA 6 – 26-Tone, RU Index 17**

## BANDEDGE (HIGH CHANNEL)

## HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 55.38 | Pk | 34.6 | -32.7 | 57.28 | 68.2 | -10.92 | 86 | 217 | H |
| 2 | 5.75894 | 56.98 | Pk | 34.7 | -32.5 | 59.18 | 68.2 | -9.02 | 86 | 217 | H |

Pk - Peak detector



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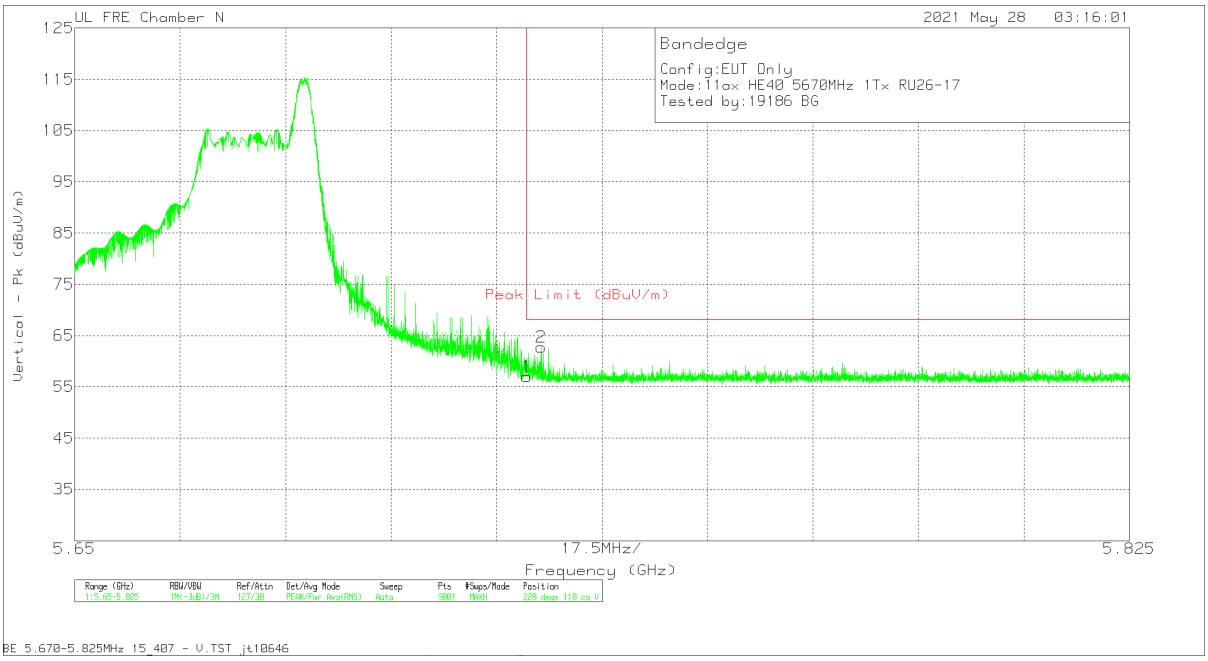
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 55.14 | Pk | 34.6 | -32.7 | 57.04 | 68.2 | -11.16 | 228 | 110 | V |
| 2 | 5.72741 | 60.9 | Pk | 34.6 | -32.7 | 62.8 | 68.2 | -5.4 | 228 | 110 | V |

Pk - Peak detector



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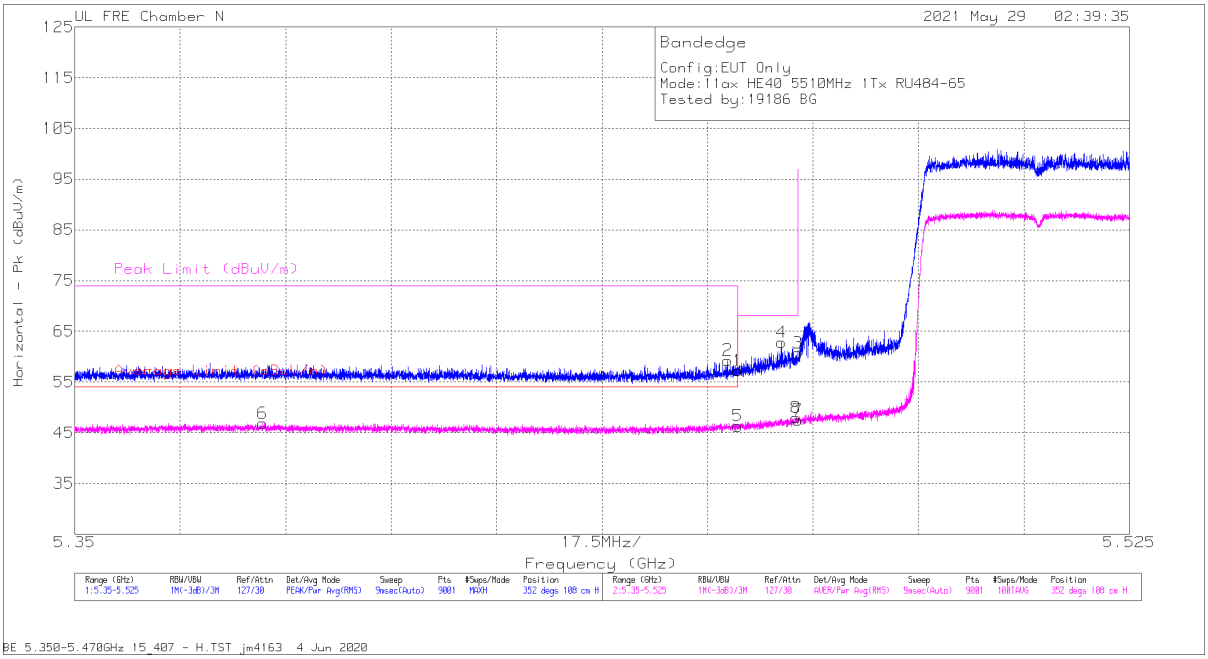
**1TX ANTENNA 5 – 484-Tone, RU Index 65**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.38115 | 45.17 | RMS | 34.6 | -33 | .1 | 46.87 | 54 | -7.13 | - | - | 352 | 108 | H |
| 2 | 5.45832 | 57.69 | Pk | 34.5 | -32.9 | 0 | 59.29 | - | - | 74 | -14.71 | 352 | 108 | H |
| 1 | 5.45999 | 55.62 | Pk | 34.5 | -32.9 | 0 | 57.22 | - | - | 74 | -16.78 | 352 | 108 | H |
| 5 | 5.45999 | 44.59 | RMS | 34.5 | -32.9 | .1 | 46.29 | 54 | -7.71 | - | - | 352 | 108 | H |
| 4 | 5.46729 | 61.29 | Pk | 34.4 | -32.9 | 0 | 62.79 | - | - | 68.2 | -5.41 | 352 | 108 | H |
| 8 | 5.46972 | 46.16 | RMS | 34.5 | -32.8 | .1 | 47.96 | - | - | - | - | 352 | 108 | H |
| 3 | 5.46999 | 58.96 | Pk | 34.5 | -32.8 | 0 | 60.66 | - | - | 68.2 | -7.54 | 352 | 108 | H |
| 7 | 5.46999 | 45.71 | RMS | 34.5 | -32.8 | .1 | 47.51 | - | - | - | - | 352 | 108 | H |

Pk - Peak detector
RMS - RMS detection



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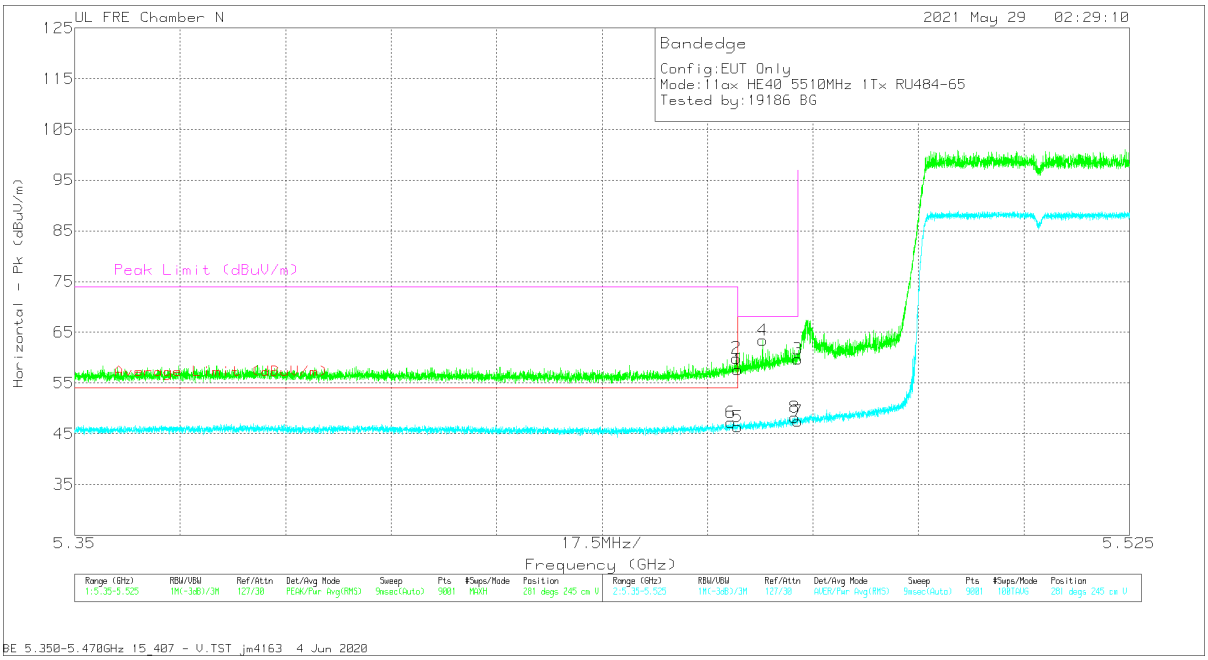
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.45887 | 45.49 | RMS | 34.5 | -32.9 | .1 | 47.19 | 54 | -6.81 | - | - | 281 | 245 | V |
| 2 | 5.4598 | 58.31 | Pk | 34.5 | -32.9 | 0 | 59.91 | - | - | 74 | -14.09 | 281 | 245 | V |
| 1 | 5.45999 | 56.05 | Pk | 34.5 | -32.9 | 0 | 57.65 | - | - | 74 | -16.35 | 281 | 245 | V |
| 5 | 5.45999 | 44.69 | RMS | 34.5 | -32.9 | .1 | 46.39 | 54 | -7.61 | - | - | 281 | 245 | V |
| 4 | 5.46419 | 61.91 | Pk | 34.4 | -32.9 | 0 | 63.41 | - | - | 68.2 | -4.79 | 281 | 245 | V |
| 8 | 5.46948 | 46.42 | RMS | 34.5 | -32.8 | .1 | 48.22 | - | - | - | - | 281 | 245 | V |
| 3 | 5.46999 | 58.08 | Pk | 34.5 | -32.8 | 0 | 59.78 | - | - | 68.2 | -8.42 | 281 | 245 | V |
| 7 | 5.46999 | 45.68 | RMS | 34.5 | -32.8 | .1 | 47.48 | - | - | - | - | 281 | 245 | V |

Pk - Peak detector
RMS - RMS detection



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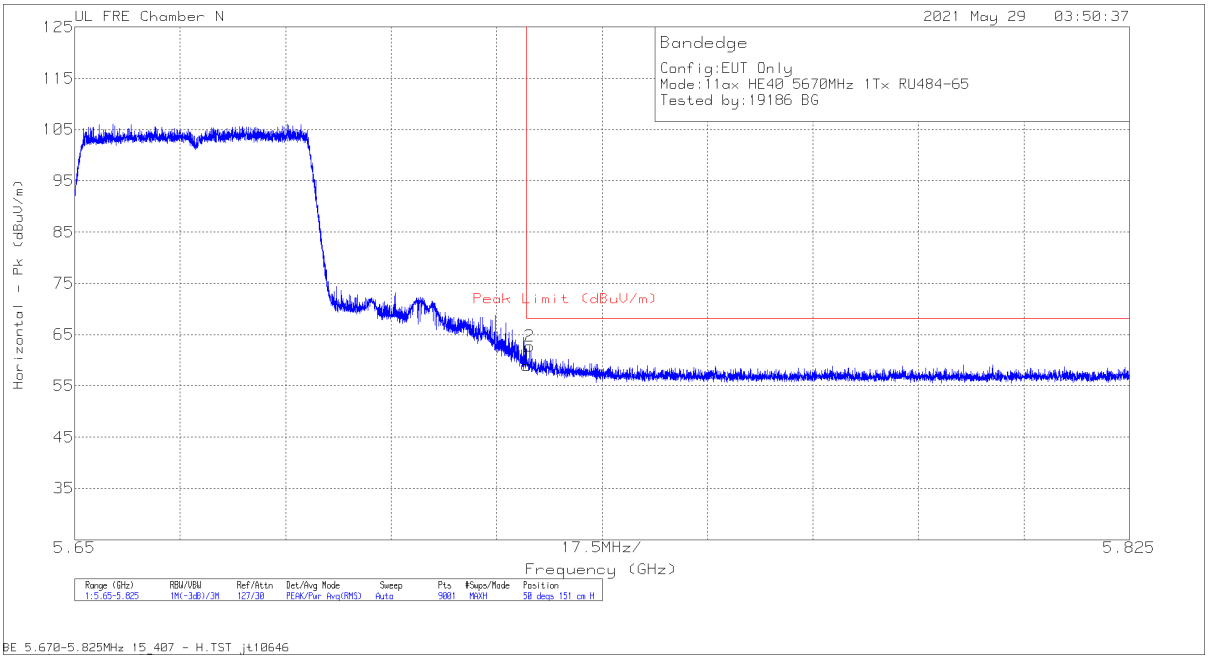
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 57.09 | Pk | 34.6 | -32.7 | 58.99 | 68.2 | -9.21 | 50 | 151 | H |
| 2 | 5.7255 | 60.83 | Pk | 34.6 | -32.7 | 62.73 | 68.2 | -5.47 | 50 | 151 | H |

Pk - Peak detector



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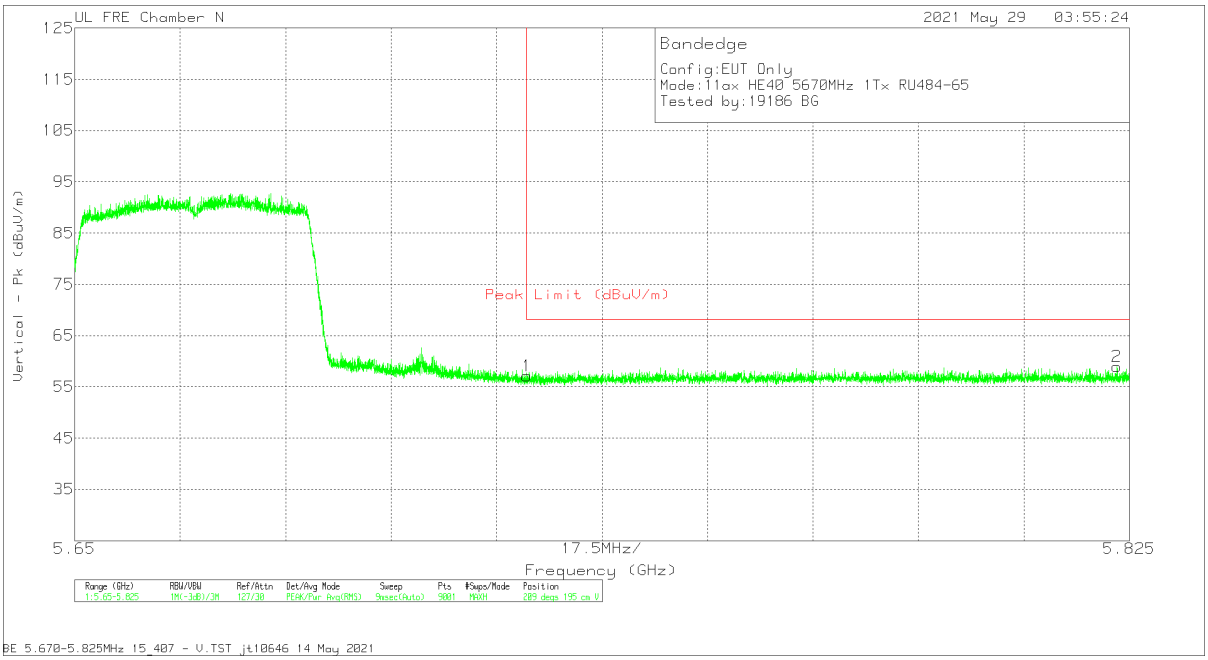
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 55.22 | Pk | 34.6 | -32.7 | 57.12 | 68.2 | -11.08 | 209 | 195 | V |
| 2 | 5.82293 | 56.39 | Pk | 34.9 | -32.3 | 58.99 | 68.2 | -9.21 | 209 | 195 | V |

Pk - Peak detector



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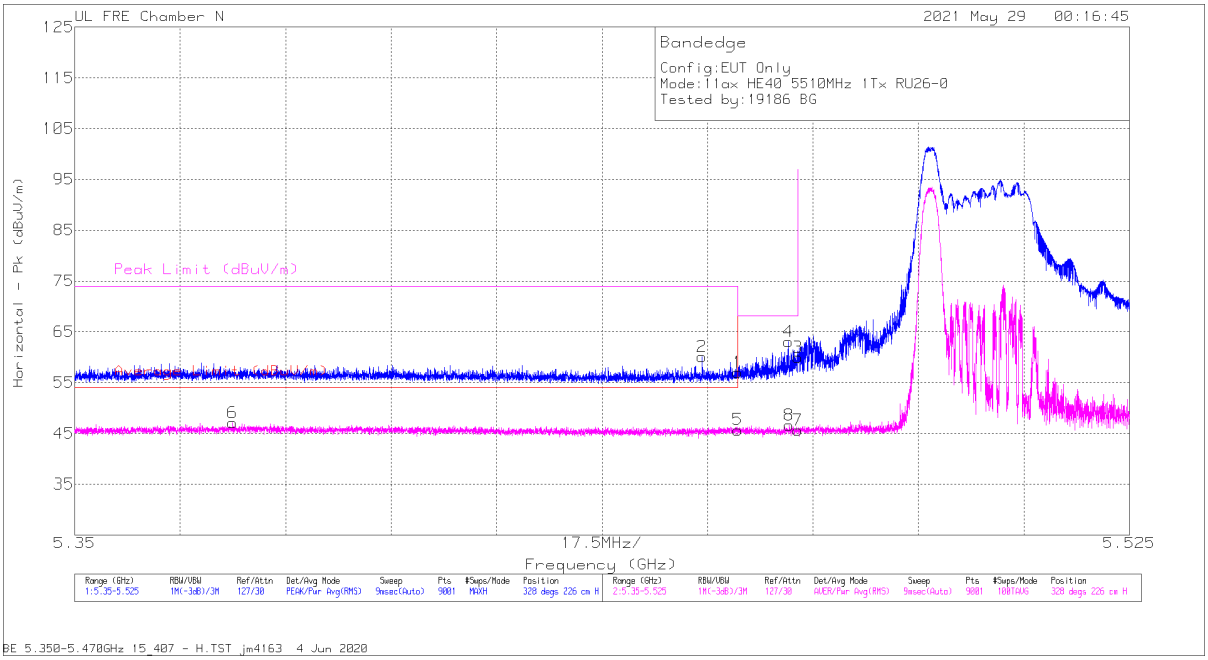
**1TX ANTENNA 5 – 26-Tone, RU Index 0**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.37617 | 45.57 | RMS | 34.5 | -33 | .1 | 47.17 | 54 | -6.83 | - | - | 328 | 226 | H |
| 2 | 5.45404 | 58.56 | Pk | 34.5 | -33 | 0 | 60.06 | - | - | 74 | -13.94 | 328 | 226 | H |
| 1 | 5.45999 | 55.46 | Pk | 34.5 | -32.9 | 0 | 57.06 | - | - | 74 | -16.94 | 328 | 226 | H |
| 5 | 5.45999 | 44.09 | RMS | 34.5 | -32.9 | .1 | 45.79 | 54 | -8.21 | - | - | 328 | 226 | H |
| 4 | 5.46839 | 61.37 | Pk | 34.5 | -32.8 | 0 | 63.07 | - | - | 68.2 | -5.13 | 328 | 226 | H |
| 8 | 5.46855 | 44.86 | RMS | 34.5 | -32.8 | .1 | 46.66 | - | - | - | - | 328 | 226 | H |
| 3 | 5.46999 | 58.24 | Pk | 34.5 | -32.8 | 0 | 59.94 | - | - | 68.2 | -8.26 | 328 | 226 | H |
| 7 | 5.46999 | 43.87 | RMS | 34.5 | -32.8 | .1 | 45.67 | - | - | - | - | 328 | 226 | H |

Pk - Peak detector
RMS - RMS detection



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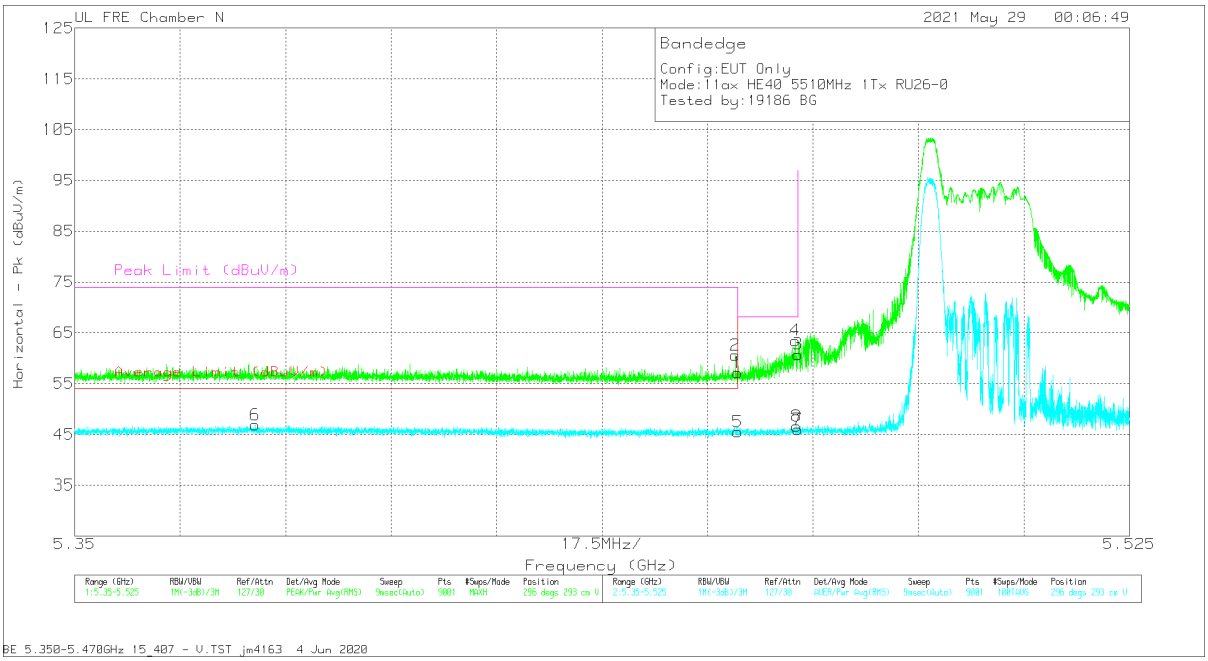
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.37996 | 45.23 | RMS | 34.6 | -33 | .1 | 46.93 | 54 | -7.07 | - | - | 296 | 293 | V |
| 2 | 5.45957 | 58.97 | Pk | 34.5 | -32.9 | 0 | 60.57 | - | - | 74 | -13.43 | 296 | 293 | V |
| 1 | 5.45999 | 55.53 | Pk | 34.5 | -32.9 | 0 | 57.13 | - | - | 74 | -16.87 | 296 | 293 | V |
| 5 | 5.45999 | 43.89 | RMS | 34.5 | -32.9 | .1 | 45.59 | 54 | -8.41 | - | - | 296 | 293 | V |
| 4 | 5.46954 | 61.8 | Pk | 34.5 | -32.8 | 0 | 63.5 | - | - | 68.2 | -4.7 | 296 | 293 | V |
| 8 | 5.46981 | 44.96 | RMS | 34.5 | -32.8 | .1 | 46.76 | - | - | - | - | 296 | 293 | V |
| 3 | 5.46999 | 59.08 | Pk | 34.5 | -32.8 | 0 | 60.78 | - | - | 68.2 | -7.42 | 296 | 293 | V |
| 7 | 5.46999 | 44.25 | RMS | 34.5 | -32.8 | .1 | 46.05 | - | - | - | - | 296 | 293 | V |

Pk - Peak detector
RMS - RMS detection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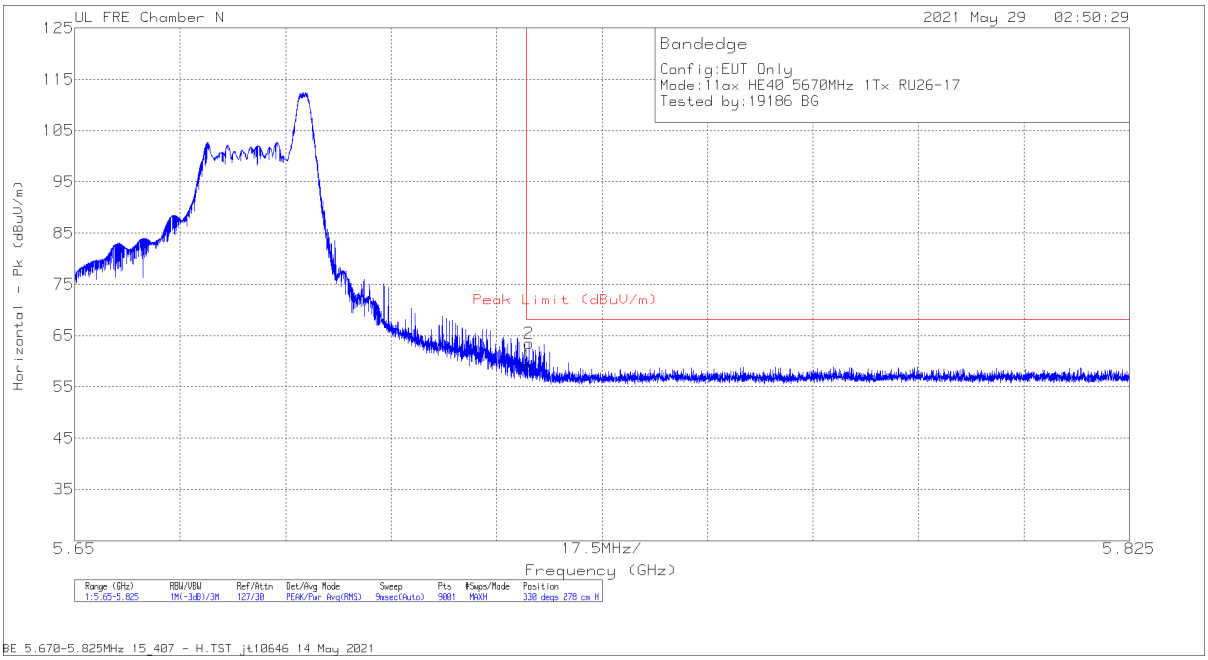
**1TX ANTENNA 5 – 26-Tone, RU Index 17**

## BANDEDGE (HIGH CHANNEL)

## HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 57.15 | Pk | 34.6 | -32.7 | 59.05 | 68.2 | -9.15 | 330 | 278 | H |
| 2 | 5.7254 | 61.62 | Pk | 34.6 | -32.7 | 63.52 | 68.2 | -4.68 | 330 | 278 | H |

Pk - Peak detector



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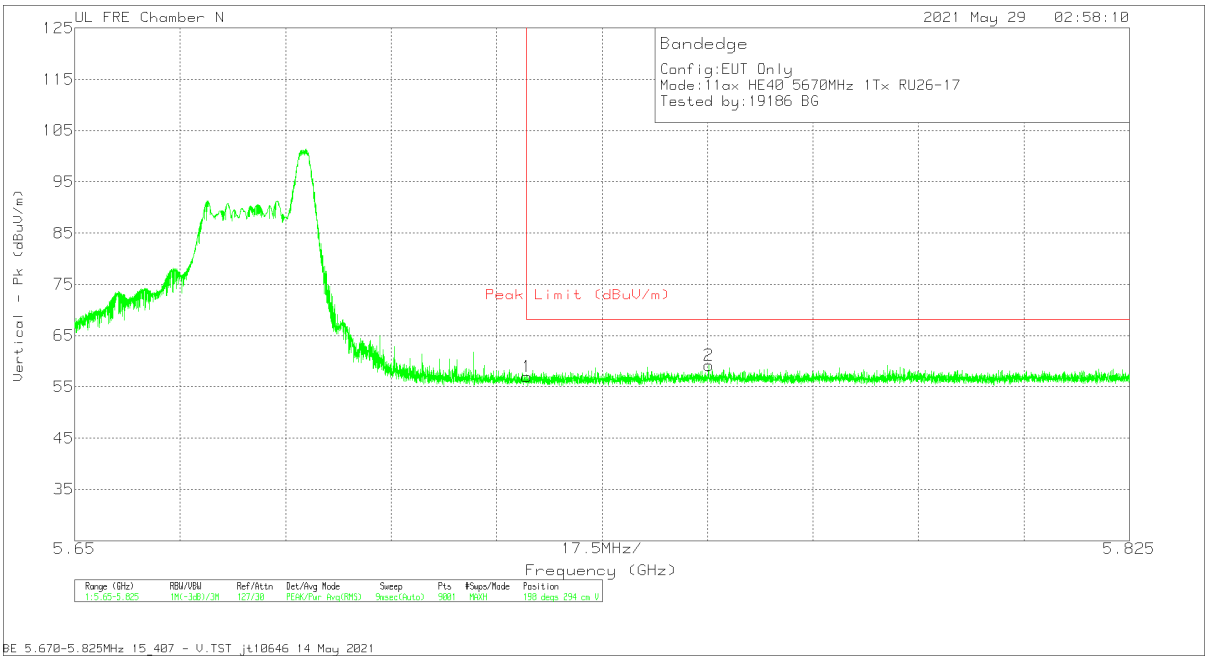
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 55.14 | Pk | 34.6 | -32.7 | 57.04 | 68.2 | -11.16 | 198 | 294 | V |
| 2 | 5.75517 | 56.98 | Pk | 34.8 | -32.6 | 59.18 | 68.2 | -9.02 | 198 | 294 | V |

Pk - Peak detector



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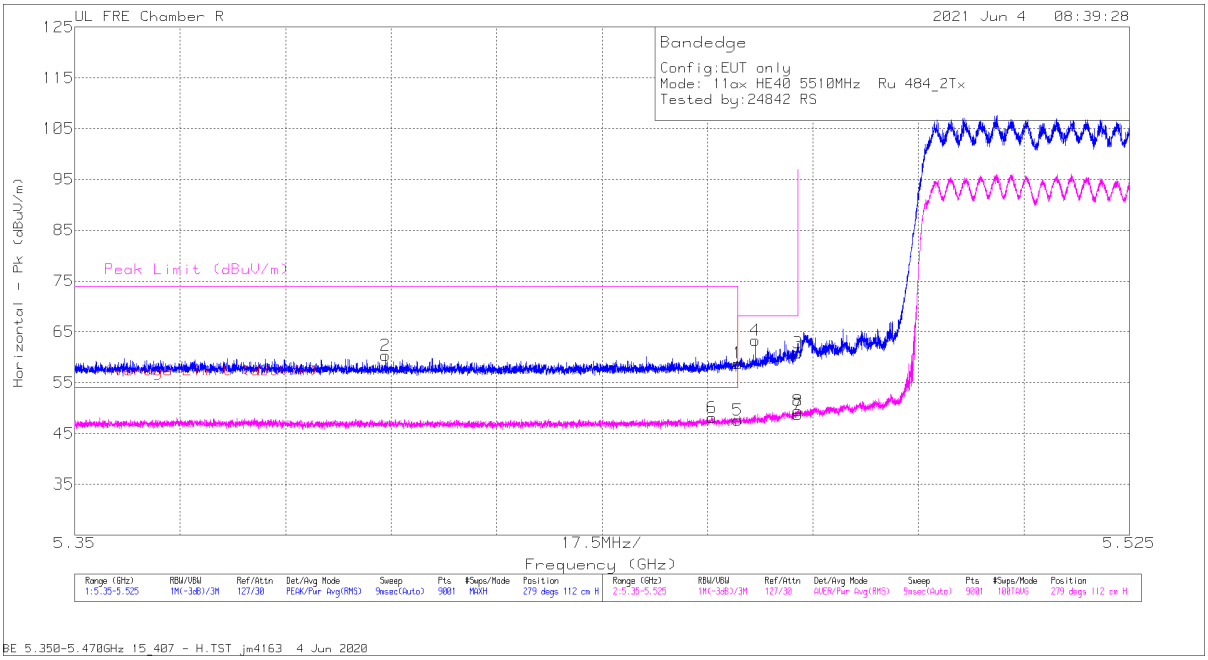
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 484-Tone, RU Index 65**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.4016 | 57.16 | Pk | 34.3 | -31.1 | 60.36 | - | - | 74 | -13.64 | 279 | 112 | H |
| 6 | 5.45578 | 44.83 | RMS | 34.4 | -31.1 | 48.13 | 54 | -5.87 | - | - | 279 | 112 | H |
| 1 | 5.45999 | 55.5 | Pk | 34.4 | -31.1 | 58.8 | - | - | 74 | -15.2 | 279 | 112 | H |
| 5 | 5.45999 | 44.25 | RMS | 34.4 | -31.1 | 47.55 | 54 | -6.45 | - | - | 279 | 112 | H |
| 4 | 5.46293 | 60.17 | Pk | 34.3 | -31.1 | 63.37 | - | - | 68.2 | -4.83 | 279 | 112 | H |
| 8 | 5.46997 | 46.11 | RMS | 34.4 | -31 | 49.51 | - | - | - | - | 279 | 112 | H |
| 3 | 5.46999 | 57.4 | Pk | 34.4 | -31 | 60.8 | - | - | 68.2 | -7.4 | 279 | 112 | H |
| 7 | 5.46999 | 45.34 | RMS | 34.4 | -31 | 48.74 | - | - | - | - | 279 | 112 | H |

Pk - Peak detector
RMS - RMS detection



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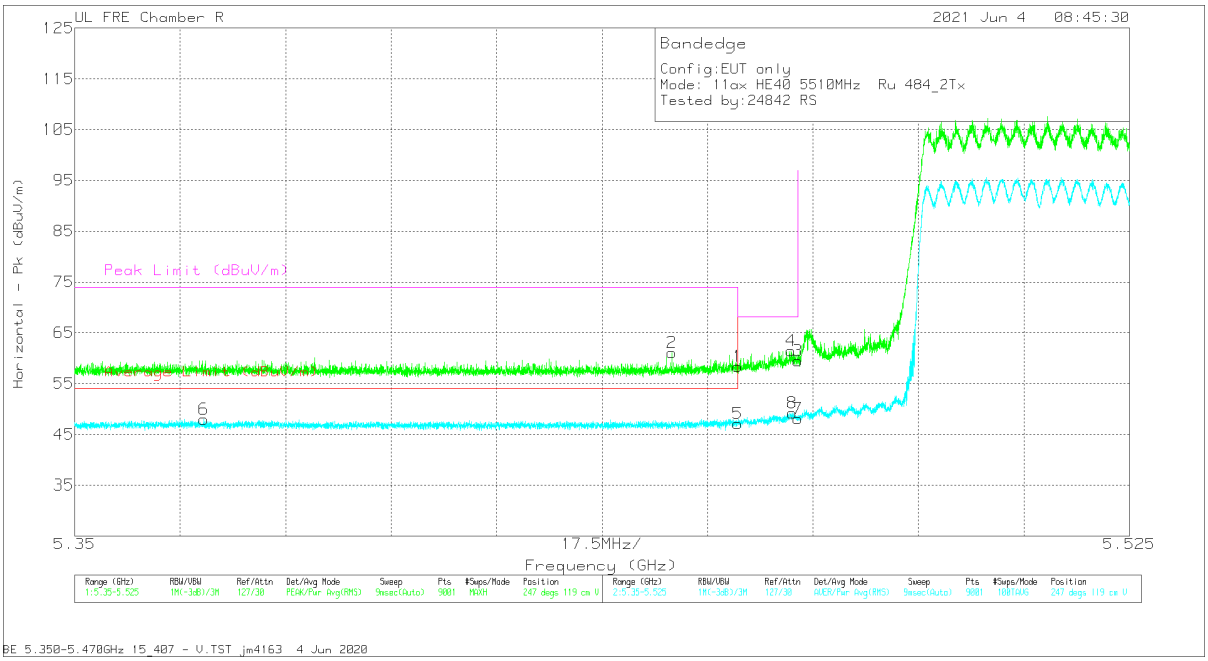
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.37139 | 44.8 | RMS | 34.3 | -31.1 | 48 | 54 | -6 | - | - | 247 | 119 | V |
| 2 | 5.44907 | 57.89 | Pk | 34.3 | -31.1 | 61.09 | - | - | 74 | -12.91 | 247 | 119 | V |
| 1 | 5.45999 | 55.07 | Pk | 34.4 | -31.1 | 58.37 | - | - | 74 | -15.63 | 247 | 119 | V |
| 5 | 5.45999 | 43.86 | RMS | 34.4 | -31.1 | 47.16 | 54 | -6.84 | - | - | 247 | 119 | V |
| 4 | 5.46882 | 58.06 | Pk | 34.4 | -31 | 61.46 | - | - | 68.2 | -6.74 | 247 | 119 | V |
| 8 | 5.46906 | 45.8 | RMS | 34.4 | -31 | 49.2 | - | - | - | - | 247 | 119 | V |
| 3 | 5.46999 | 56.05 | Pk | 34.4 | -31 | 59.45 | - | - | 68.2 | -8.75 | 247 | 119 | V |
| 7 | 5.46999 | 44.65 | RMS | 34.4 | -31 | 48.05 | - | - | - | - | 247 | 119 | V |

Pk - Peak detector
RMS - RMS detection



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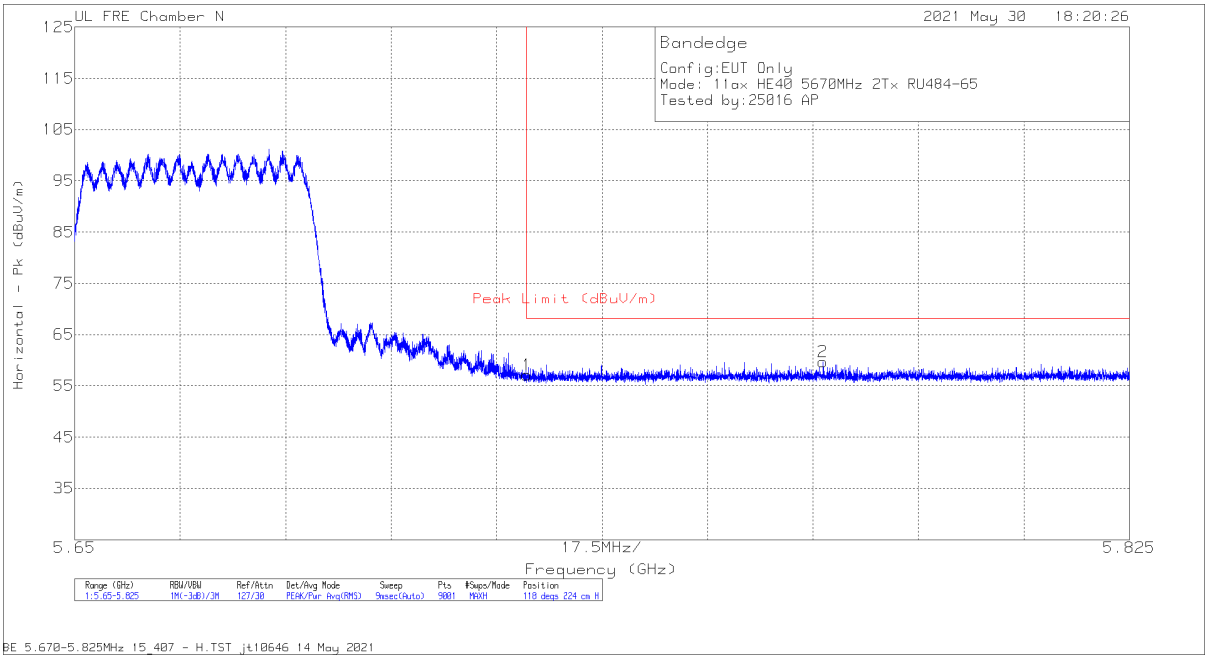
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 55.28 | Pk | 34.6 | -32.7 | 57.18 | 68.2 | -11.02 | 118 | 224 | H |
| 2 | 5.77419 | 57.26 | Pk | 34.8 | -32.4 | 59.66 | 68.2 | -8.54 | 118 | 224 | H |

Pk - Peak detector



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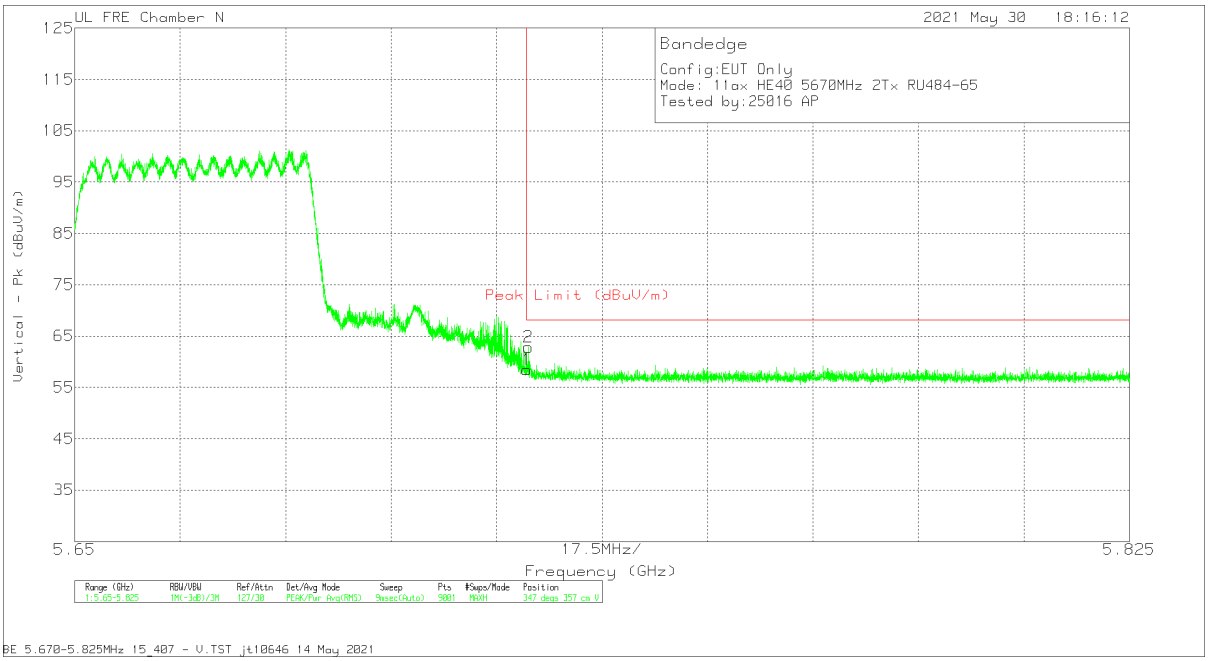
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 56.53 | Pk | 34.6 | -32.7 | 58.43 | 68.2 | -9.77 | 347 | 357 | V |
| 2 | 5.72529 | 60.92 | Pk | 34.6 | -32.7 | 62.82 | 68.2 | -5.38 | 347 | 357 | V |

Pk - Peak detector



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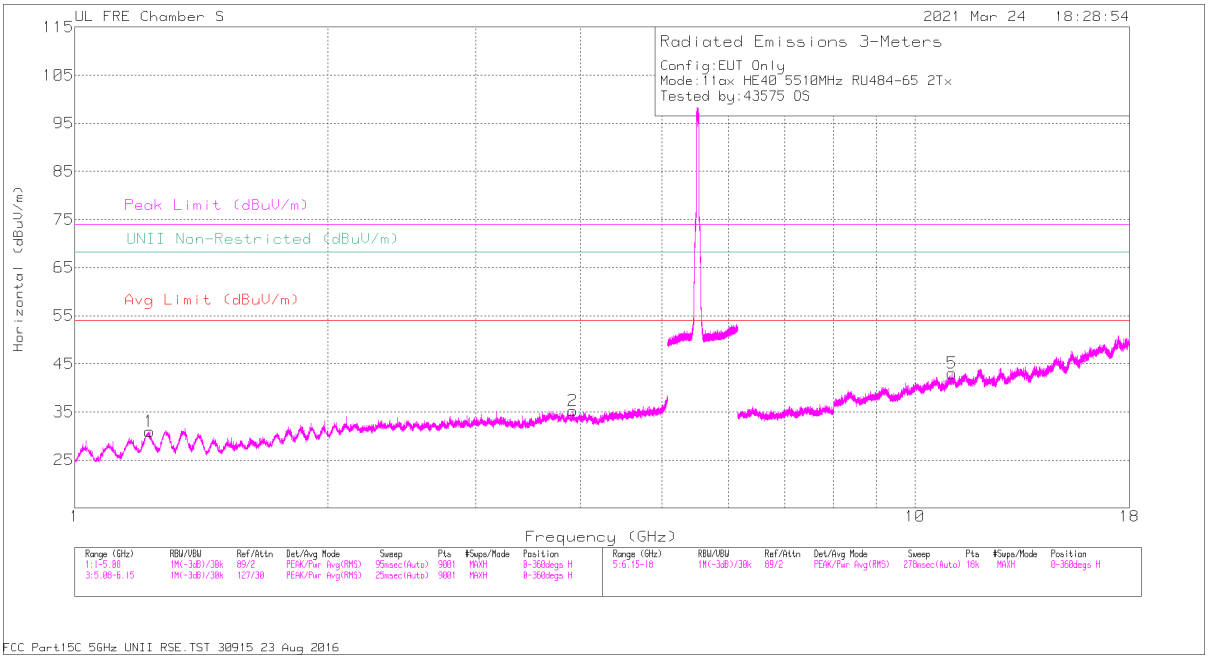
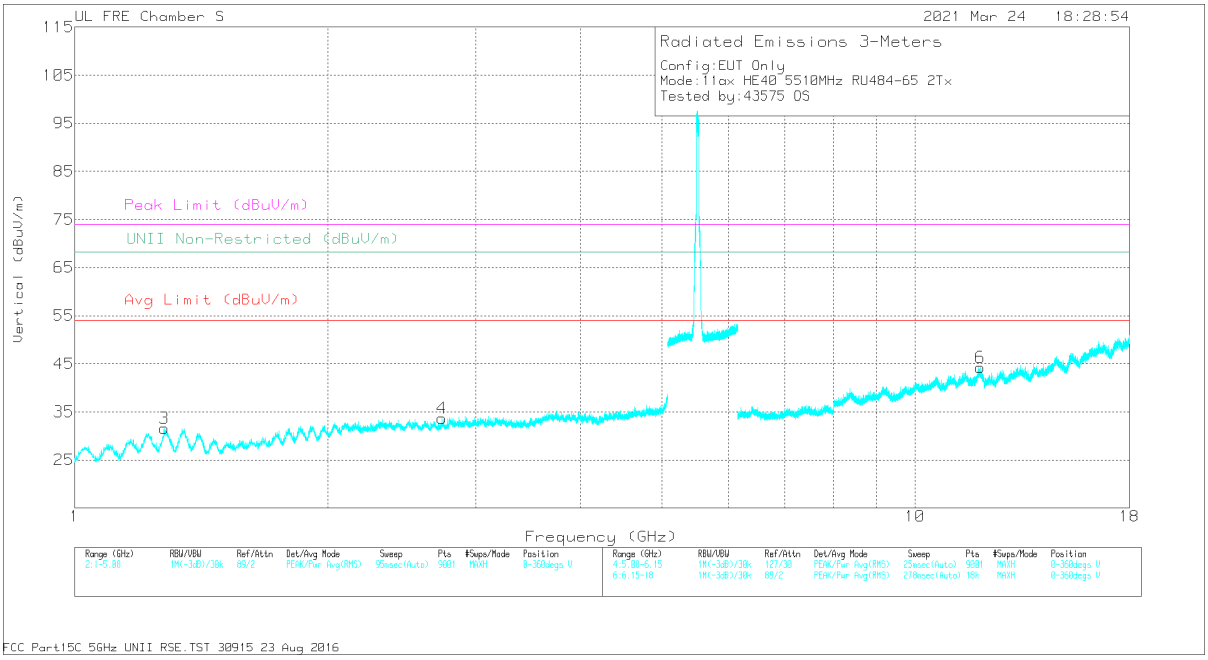
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.22725 | 57.32 | PK-U | 28.7 | -45.5 | 40.52 | - | - | 74 | -33.48 | - | - | 0 | 100 | H |
| | * 1.22586 | 46.03 | ADR | 28.7 | -45.5 | 29.23 | 54 | -24.77 | - | - | - | - | 0 | 100 | H |
| 2 | * 3.91602 | 51.11 | PK-U | 33.9 | -40.6 | 44.41 | - | - | 74 | -29.59 | - | - | 0 | 100 | H |
| | * 3.91401 | 39.77 | ADR | 34 | -40.6 | 33.17 | 54 | -20.83 | - | - | - | - | 0 | 100 | H |
| 3 | * 1.27934 | 57.43 | PK-U | 29.2 | -45.2 | 41.43 | - | - | 74 | -32.57 | - | - | 0 | 201 | V |
| | * 1.28049 | 45.7 | ADR | 29.2 | -45.2 | 29.7 | 54 | -24.3 | - | - | - | - | 0 | 201 | V |
| 4 | * 2.73482 | 54.39 | PK-U | 32.4 | -43.7 | 43.09 | - | - | 74 | -30.91 | - | - | 0 | 200 | V |
| | * 2.73587 | 42.71 | ADR | 32.4 | -43.7 | 31.41 | 54 | -22.59 | - | - | - | - | 0 | 200 | V |
| 5 | * 11.06882 | 47.29 | PK-U | 37.9 | -34.8 | 50.39 | - | - | 74 | -23.61 | - | - | 0 | 200 | H |
| | * 11.06827 | 36.14 | ADR | 37.9 | -34.8 | 39.24 | 54 | -14.76 | - | - | - | - | 0 | 200 | H |
| 6 | * 11.95121 | 46.37 | PK-U | 38.8 | -33.9 | 51.27 | - | - | 74 | -22.73 | - | - | 0 | 100 | V |
| | * 11.953 | 34.7 | ADR | 38.8 | -34 | 39.5 | 54 | -14.5 | - | - | - | - | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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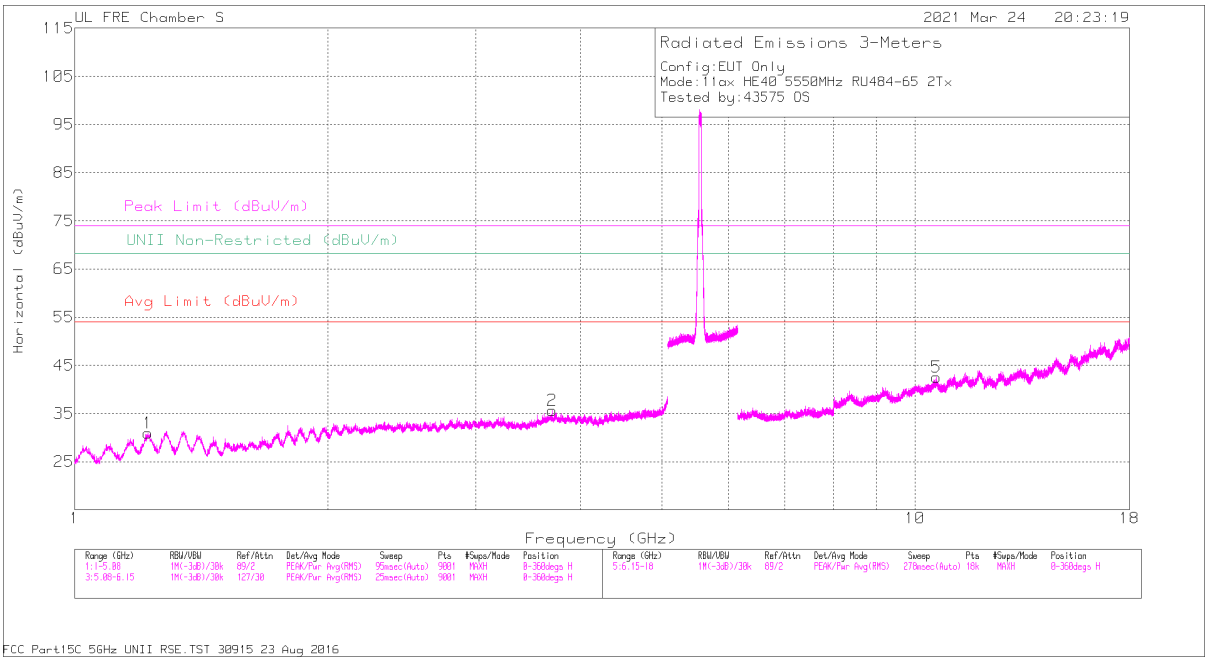
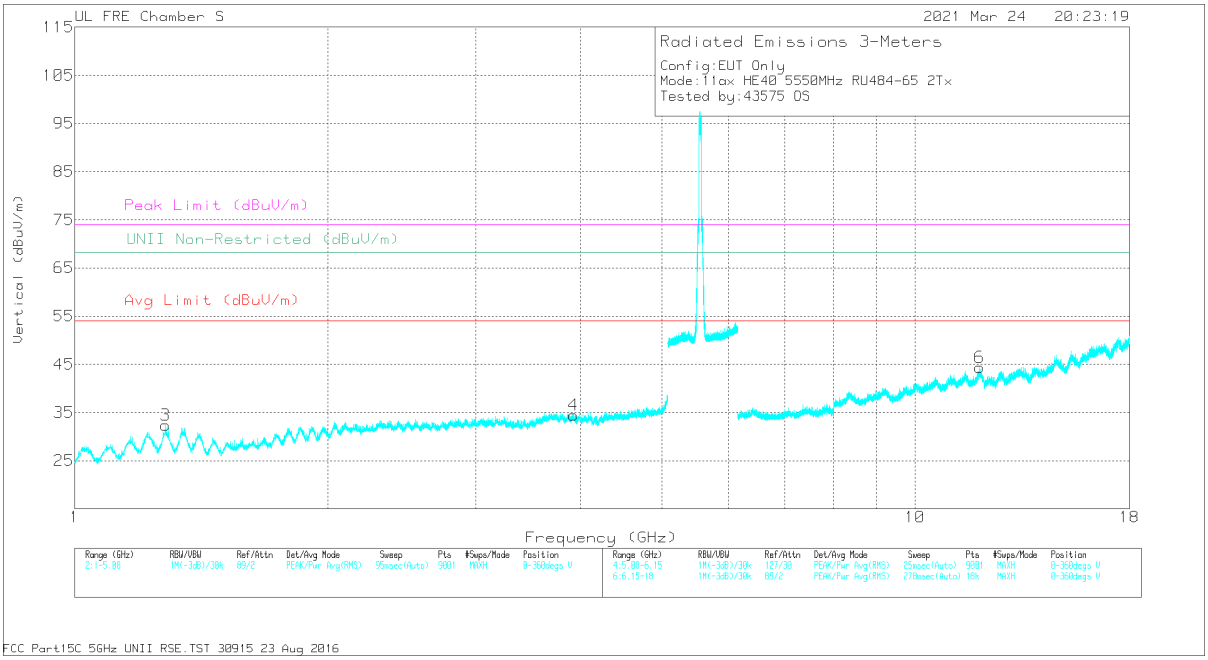
## MID CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.22421 | 57.79 | PK-U | 28.7 | -45.5 | 40.99 | - | - | 74 | -33.01 | - | - | 360 | 100 | H |
| | * 1.22182 | 46.06 | ADR | 28.8 | -45.5 | 29.36 | 54 | -24.64 | - | - | - | - | 360 | 100 | H |
| 2 | * 3.70173 | 51.74 | PK-U | 33.5 | -40.8 | 44.44 | - | - | 74 | -29.56 | - | - | 360 | 100 | H |
| | * 3.70476 | 40.17 | ADR | 33.5 | -40.7 | 32.97 | 54 | -21.03 | - | - | - | - | 360 | 100 | H |
| 3 | * 1.28427 | 57.62 | PK-U | 29.1 | -45.2 | 41.52 | - | - | 74 | -32.48 | - | - | 360 | 201 | V |
| | * 1.28429 | 45.99 | ADR | 29.1 | -45.2 | 29.89 | 54 | -24.11 | - | - | - | - | 360 | 201 | V |
| 4 | * 3.92059 | 51.43 | PK-U | 33.9 | -40.6 | 44.73 | - | - | 74 | -29.27 | - | - | 360 | 200 | V |
| | * 3.92085 | 39.96 | ADR | 33.9 | -40.6 | 33.26 | 54 | -20.74 | - | - | - | - | 360 | 200 | V |
| 5 | * 10.60195 | 48.06 | PK-U | 37.9 | -34.9 | 51.06 | - | - | 74 | -22.94 | - | - | 360 | 100 | H |
| | * 10.60508 | 36.29 | ADR | 37.9 | -34.8 | 39.39 | 54 | -14.61 | - | - | - | - | 360 | 100 | H |
| 6 | * 11.93307 | 46.59 | PK-U | 38.8 | -33.8 | 51.59 | - | - | 74 | -22.41 | - | - | 360 | 201 | V |
| | * 11.93143 | 35.06 | ADR | 38.8 | -33.9 | 39.96 | 54 | -14.04 | - | - | - | - | 360 | 201 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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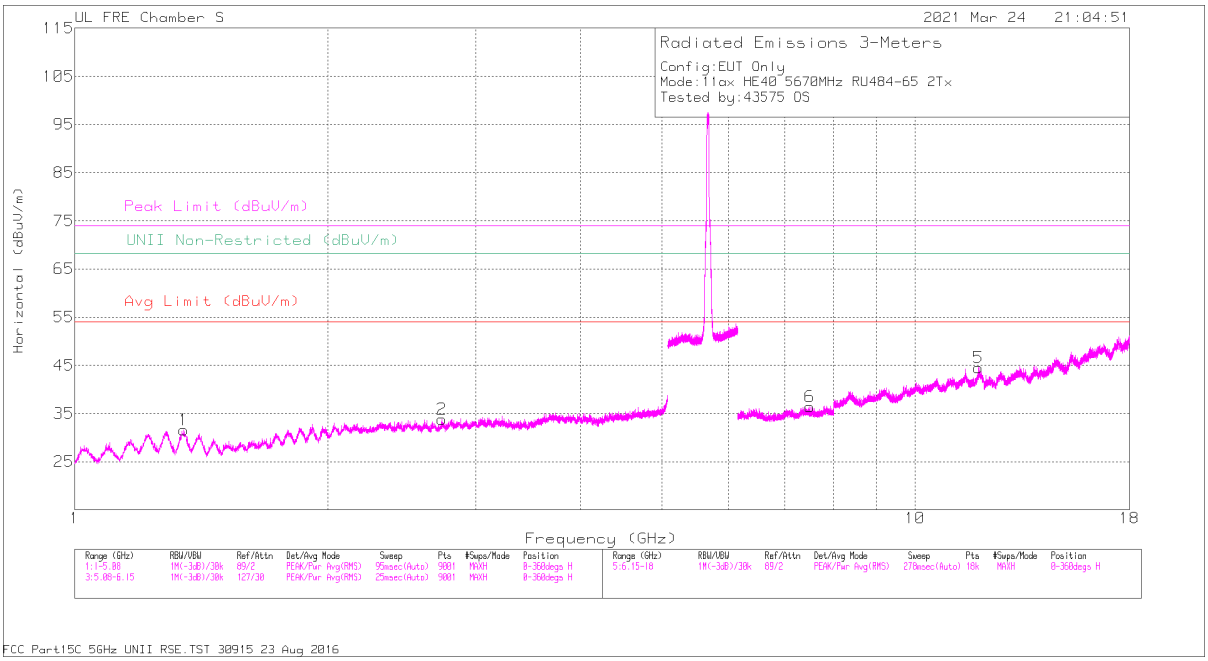
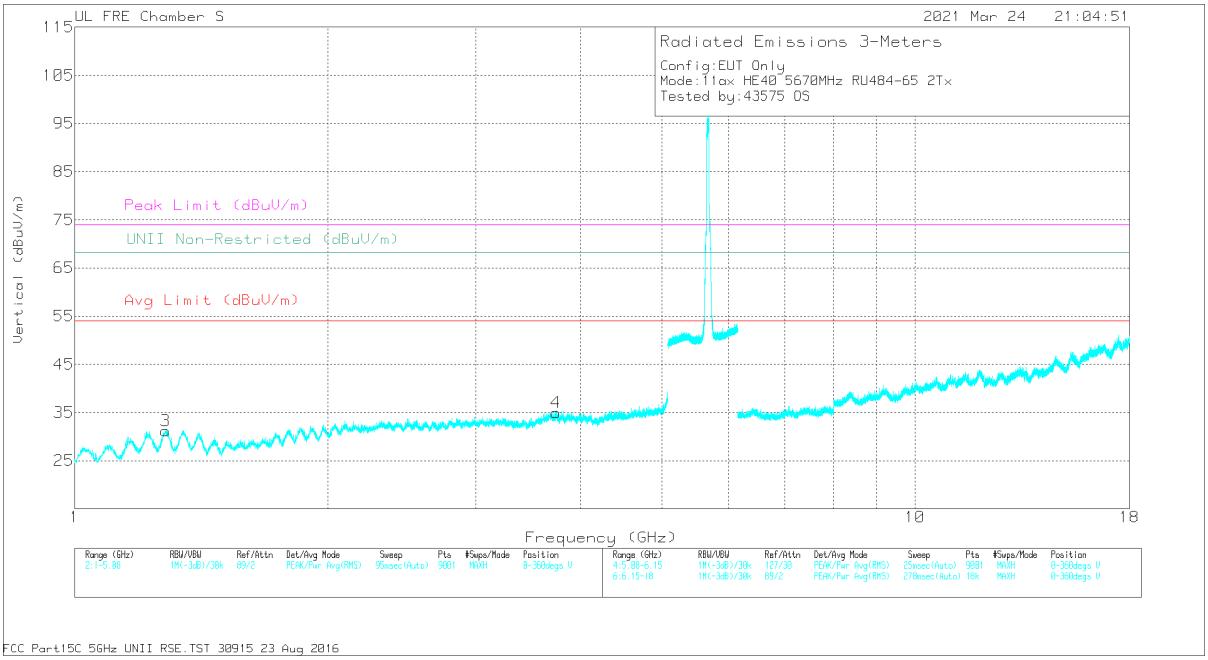
## HIGH CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.34616 | 57.24 | PK-U | 29.3 | -44.9 | 41.64 | - | - | 74 | -32.36 | - | - | 0 | 100 | H |
| | * 1.34627 | 45.58 | ADR | 29.3 | -44.9 | 29.98 | 54 | -24.02 | - | - | - | - | 0 | 100 | H |
| 2 | * 2.73283 | 54.54 | PK-U | 32.4 | -43.7 | 43.24 | - | - | 74 | -30.76 | - | - | 0 | 100 | H |
| | * 2.73386 | 42.81 | ADR | 32.4 | -43.7 | 31.51 | 54 | -22.49 | - | - | - | - | 0 | 100 | H |
| 3 | * 1.27985 | 57.19 | PK-U | 29.2 | -45.2 | 41.19 | - | - | 74 | -32.81 | - | - | 0 | 201 | V |
| | * 1.2831 | 45.99 | ADR | 29.1 | -45.2 | 29.89 | 54 | -24.11 | - | - | - | - | 0 | 201 | V |
| 4 | * 3.73624 | 51.93 | PK-U | 33.5 | -40.7 | 44.73 | - | - | 74 | -29.27 | - | - | 0 | 200 | V |
| | * 3.73659 | 40.39 | ADR | 33.5 | -40.7 | 33.19 | 54 | -20.81 | - | - | - | - | 0 | 200 | V |
| 5 | * 11.90576 | 46.98 | PK-U | 38.8 | -34.2 | 51.58 | - | - | 74 | -22.42 | - | - | 0 | 200 | H |
| | * 11.90409 | 35.18 | ADR | 38.8 | -34.2 | 39.78 | 54 | -14.22 | - | - | - | - | 0 | 200 | H |
| 6 | * 7.49425 | 49.74 | PK-U | 36.2 | -38.5 | 47.44 | - | - | 74 | -26.56 | - | - | 0 | 200 | H |
| | * 7.49171 | 38.33 | ADR | 36.3 | -38.5 | 36.13 | 54 | -17.87 | - | - | - | - | 0 | 200 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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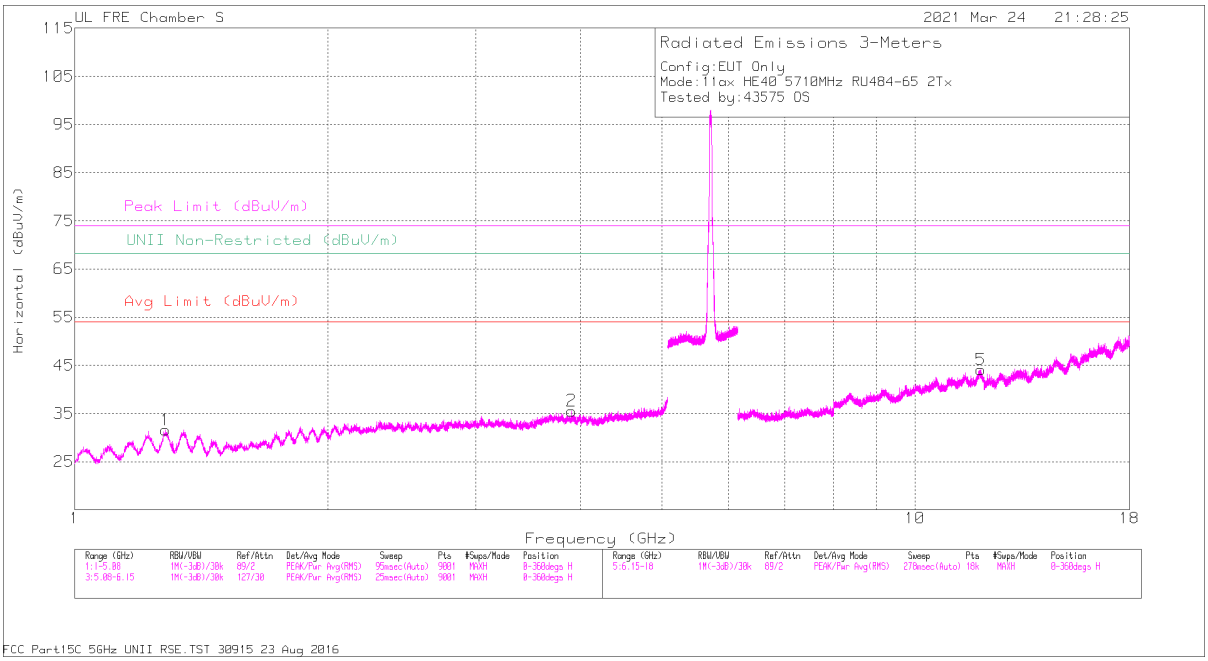
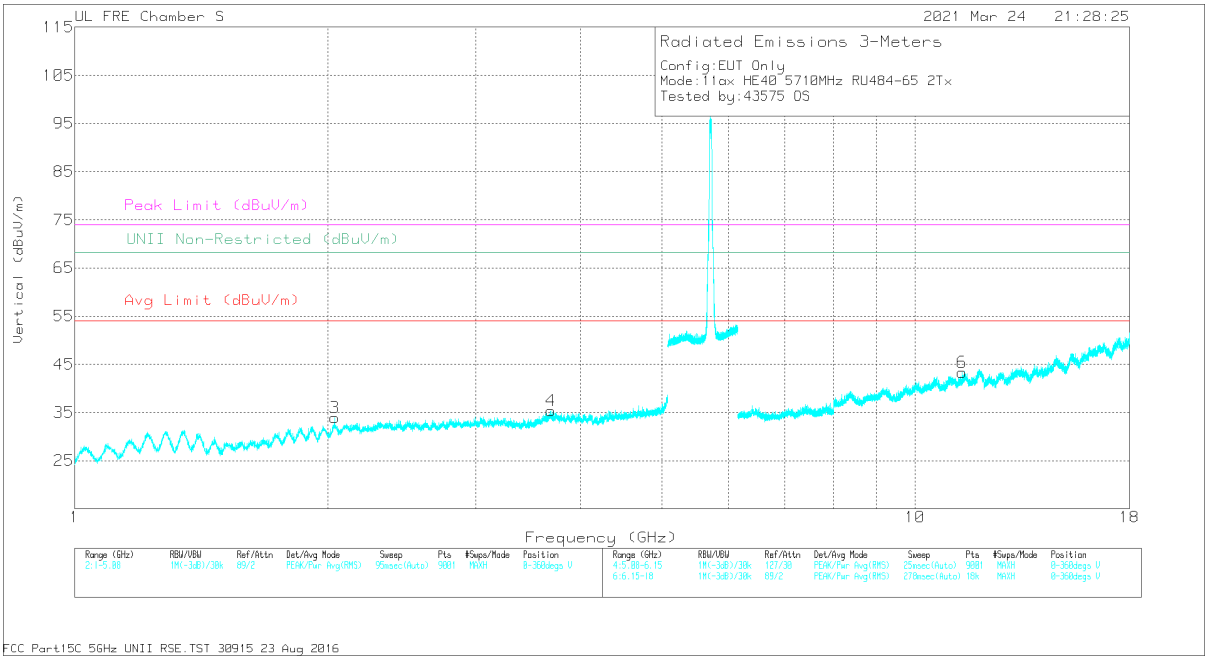
## CHANNEL 142 RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.283 | 57.94 | PK-U | 29.1 | -45.1 | 41.94 | - | - | 74 | -32.06 | - | - | 360 | 100 | H |
| | * 1.28439 | 46.06 | ADR | 29.1 | -45.2 | 29.96 | 54 | -24.04 | - | - | - | - | 360 | 100 | H |
| 2 | * 3.90202 | 51 | PK-U | 33.9 | -40.6 | 44.3 | - | - | 74 | -29.7 | - | - | 360 | 100 | H |
| | * 3.90538 | 39.43 | ADR | 33.9 | -40.6 | 32.73 | 54 | -21.27 | - | - | - | - | 360 | 100 | H |
| 4 | * 3.68905 | 52.15 | PK-U | 33.5 | -40.8 | 44.85 | - | - | 74 | -29.15 | - | - | 360 | 200 | V |
| | * 3.68915 | 40.45 | ADR | 33.5 | -40.8 | 33.15 | 54 | -20.85 | - | - | - | - | 360 | 200 | V |
| 5 | * 11.98662 | 46.24 | PK-U | 38.8 | -33.8 | 51.24 | - | - | 74 | -22.76 | - | - | 360 | 100 | H |
| | * 11.9854 | 34.55 | ADR | 38.8 | -33.8 | 39.55 | 54 | -14.45 | - | - | - | - | 360 | 100 | H |
| 6 | * 11.38019 | 46.98 | PK-U | 38.2 | -34.1 | 51.08 | - | - | 74 | -22.92 | - | - | 360 | 201 | V |
| | * 11.38305 | 35.49 | ADR | 38.2 | -34 | 39.69 | 54 | -14.31 | - | - | - | - | 360 | 201 | V |
| 3 | 2.03902 | 56.52 | PK-U | 31.5 | -44.8 | 43.22 | - | - | - | - | 68.2 | -24.98 | 360 | 201 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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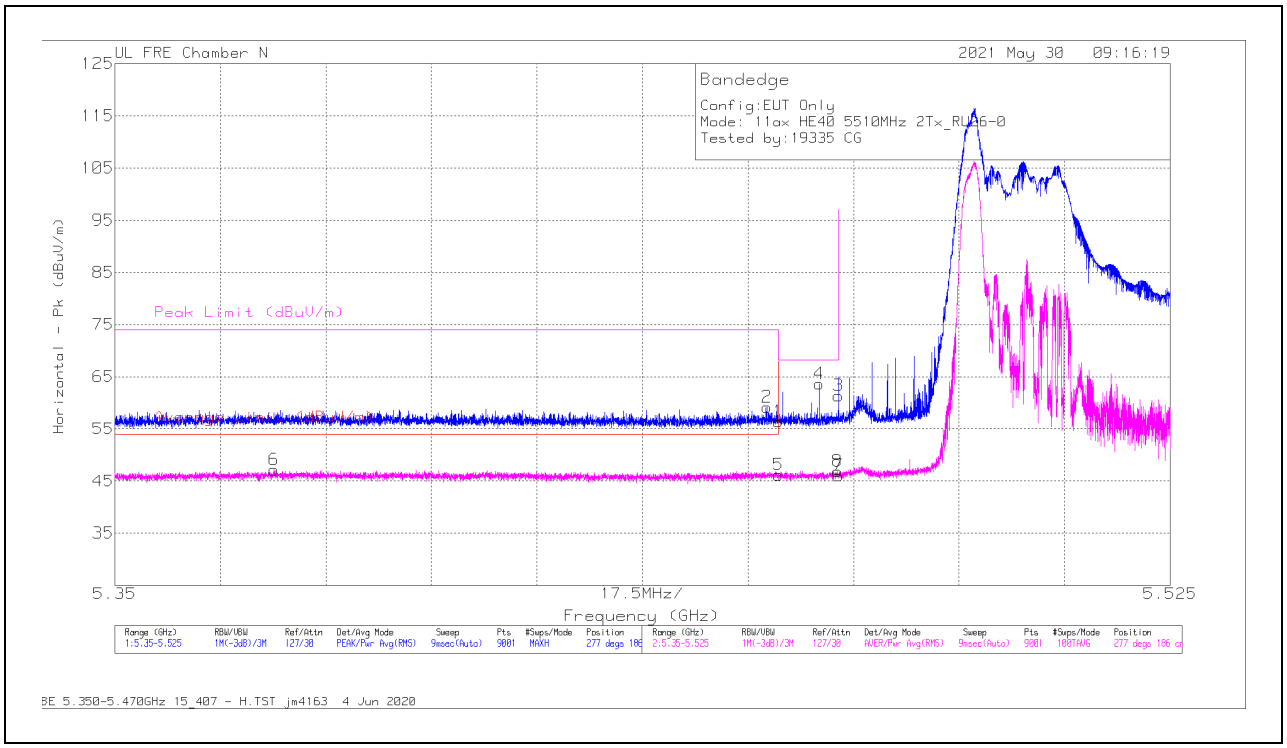
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 26-Tone, RU Index 0**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.37639 | 45.67 | RMS | 34.5 | -33 | 47.17 | 54 | -6.83 | - | - | 277 | 186 | H |
| 2 | 5.45817 | 57.57 | Pk | 34.5 | -32.9 | 59.17 | - | - | 74 | -14.83 | 277 | 186 | H |
| 1 | 5.45999 | 54.79 | Pk | 34.5 | -32.9 | 56.39 | - | - | 74 | -17.61 | 277 | 186 | H |
| 5 | 5.45999 | 44.59 | RMS | 34.5 | -32.9 | 46.19 | 54 | -7.81 | - | - | 277 | 186 | H |
| 4 | 5.4668 | 62.13 | Pk | 34.4 | -32.9 | 63.63 | - | - | 68.2 | -4.57 | 277 | 186 | H |
| 8 | 5.46983 | 45.18 | RMS | 34.5 | -32.8 | 46.88 | - | - | - | - | 277 | 186 | H |
| 3 | 5.46999 | 59.67 | Pk | 34.5 | -32.8 | 61.37 | - | - | 68.2 | -6.83 | 277 | 186 | H |
| 7 | 5.46999 | 44.34 | RMS | 34.5 | -32.8 | 46.04 | - | - | - | - | 277 | 186 | H |

Pk - Peak detector
RMS - RMS detection



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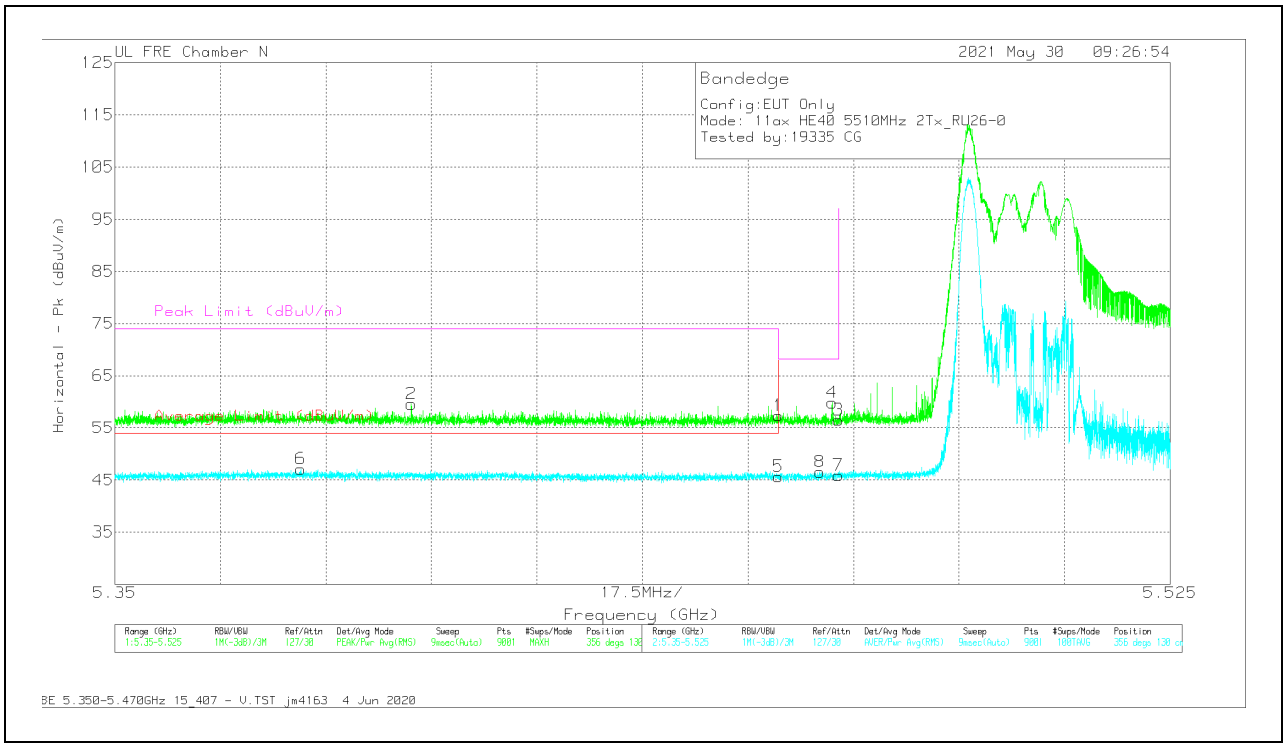
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.38084 | 45.53 | RMS | 34.6 | -33 | 47.13 | 54 | -6.87 | - | - | 356 | 130 | V |
| 2 | 5.39917 | 57.98 | Pk | 34.6 | -33 | 59.58 | - | - | 74 | -14.42 | 356 | 130 | V |
| 1 | 5.45999 | 55.73 | Pk | 34.5 | -32.9 | 57.33 | - | - | 74 | -16.67 | 356 | 130 | V |
| 5 | 5.45999 | 44.04 | RMS | 34.5 | -32.9 | 45.64 | 54 | -8.36 | - | - | 356 | 130 | V |
| 8 | 5.46694 | 45.06 | RMS | 34.4 | -32.9 | 46.56 | - | - | - | - | 356 | 130 | V |
| 4 | 5.46896 | 58.14 | Pk | 34.5 | -32.8 | 59.84 | - | - | 68.2 | -8.36 | 356 | 130 | V |
| 3 | 5.46999 | 54.78 | Pk | 34.5 | -32.8 | 56.48 | - | - | 68.2 | -11.72 | 356 | 130 | V |
| 7 | 5.46999 | 44.21 | RMS | 34.5 | -32.8 | 45.91 | - | - | - | - | 356 | 130 | V |

Pk - Peak detector
RMS - RMS detection



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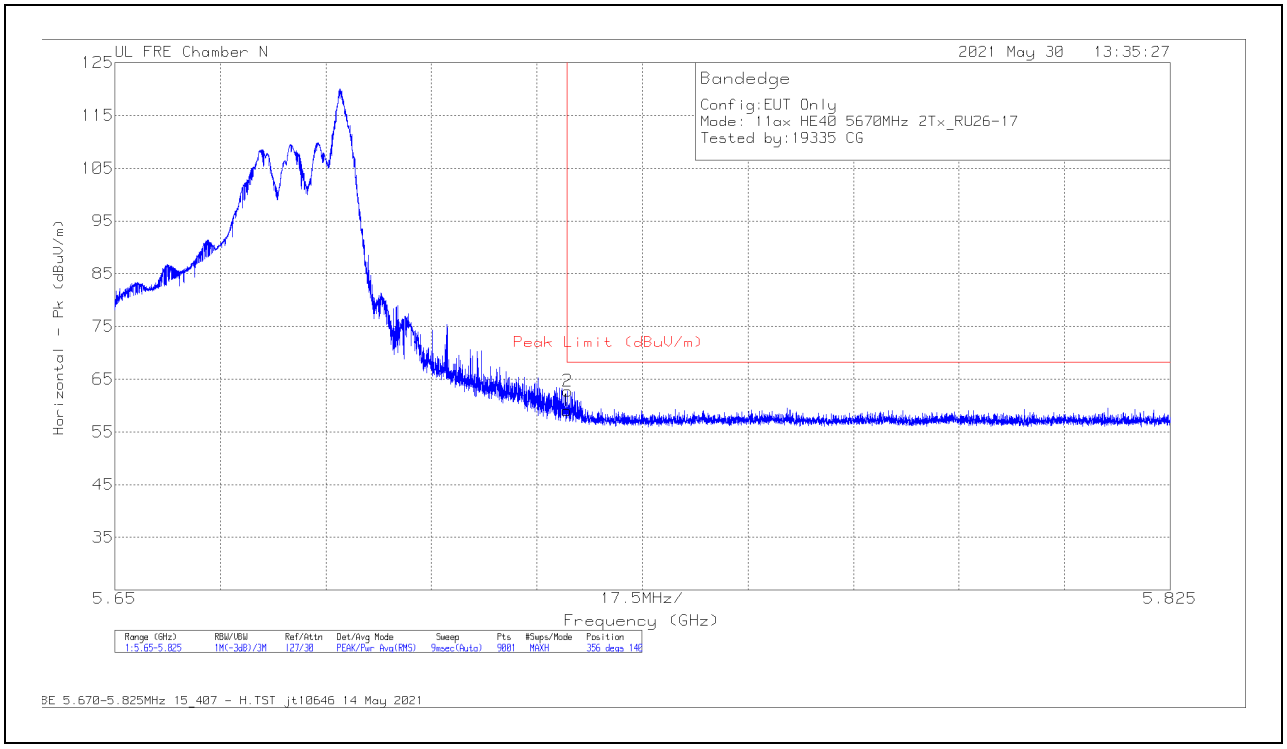
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 26-Tone, RU Index 17**

## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 57.13 | Pk | 34.6 | -32.7 | 59.03 | 68.2 | -9.17 | 356 | 140 | H |
| 2 | 5.72507 | 60.82 | Pk | 34.6 | -32.7 | 62.72 | 68.2 | -5.48 | 356 | 140 | H |

Pk - Peak detector



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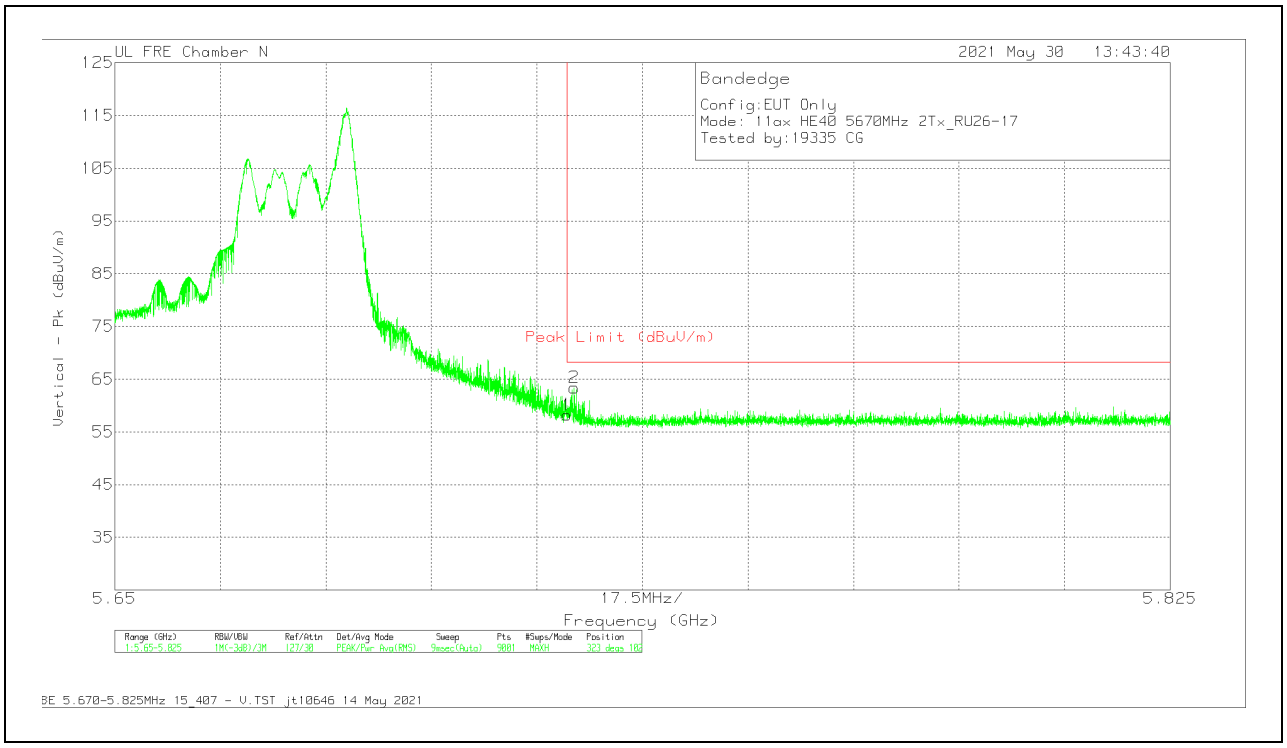
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.72502 | 56.28 | Pk | 34.6 | -32.7 | 58.18 | 68.2 | -10.02 | 323 | 102 | V |
| 2 | 5.72618 | 61.48 | Pk | 34.6 | -32.7 | 63.38 | 68.2 | -4.82 | 323 | 102 | V |

Pk - Peak detector



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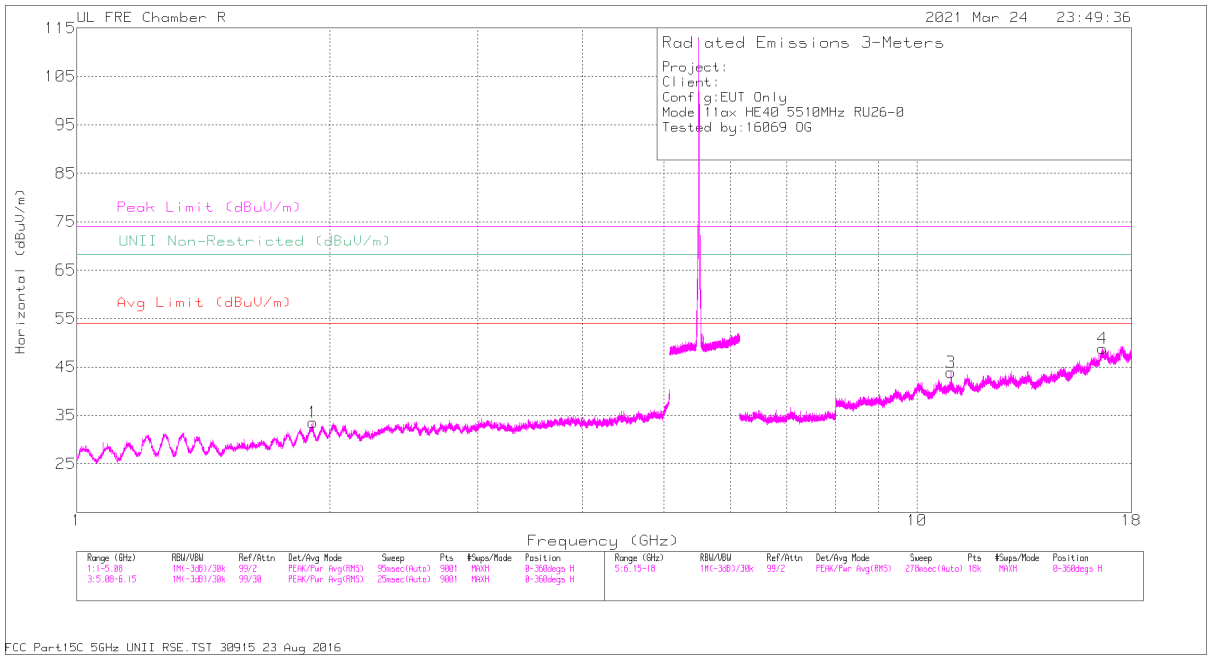
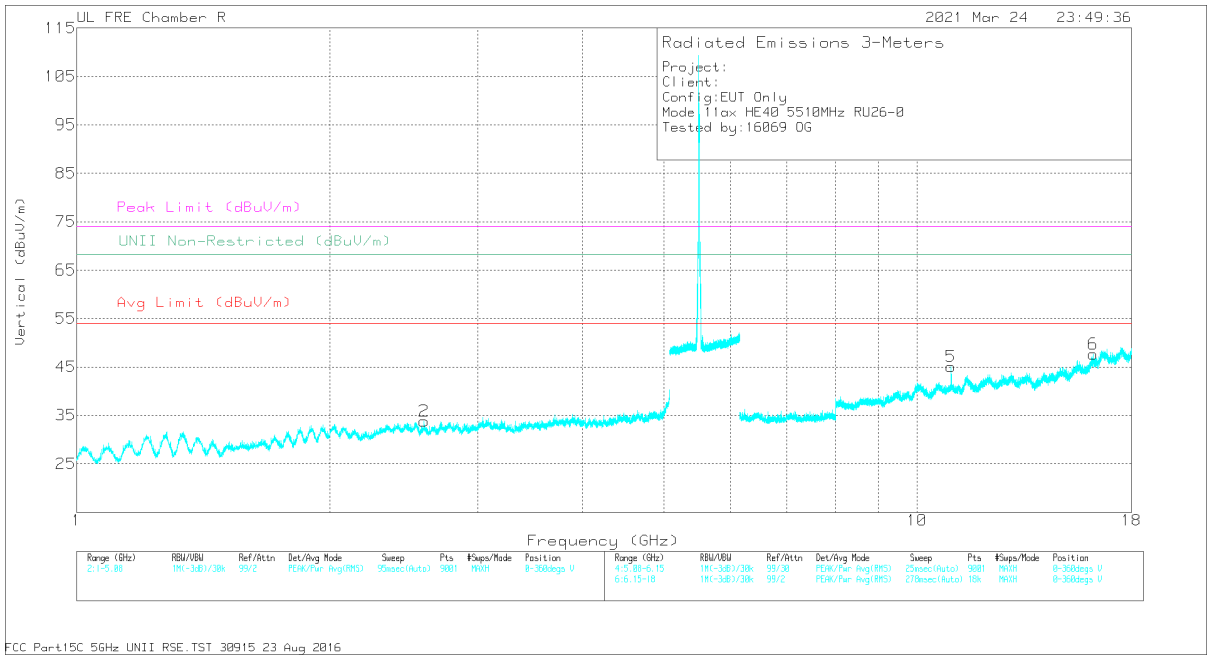
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 26-Tone, RU Index 0**

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | * 10.98411 | 47.89 | PK-U | 37.9 | -35.3 | 50.49 | - | - | 74 | -23.51 | - | - | 360 | 100 | H |
| | * 10.98431 | 36.59 | ADR | 37.9 | -35.3 | 39.19 | 54 | -14.81 | - | - | - | - | 360 | 100 | H |
| 5 | * 10.98421 | 48.76 | PK-U | 37.9 | -35.3 | 51.36 | - | - | 74 | -22.64 | - | - | 360 | 201 | V |
| | * 10.98408 | 37.14 | ADR | 37.9 | -35.3 | 39.74 | 54 | -14.26 | - | - | - | - | 360 | 201 | V |
| 2 | 1.91103 | 56.68 | PK-U | 31 | -45.5 | 42.18 | - | - | - | - | 68.2 | -26.02 | 360 | 100 | H |
| 3 | 2.59005 | 55.3 | PK-U | 32.2 | -44.6 | 42.9 | - | - | - | - | 68.2 | -25.3 | 360 | 201 | V |
| 6 | 16.21502 | 47.81 | PK-U | 40.9 | -33 | 55.71 | - | - | - | - | 68.2 | -12.49 | 360 | 200 | V |
| 4 | 16.64423 | 48.27 | PK-U | 42.1 | -33.4 | 56.97 | - | - | - | - | 68.2 | -11.23 | 360 | 100 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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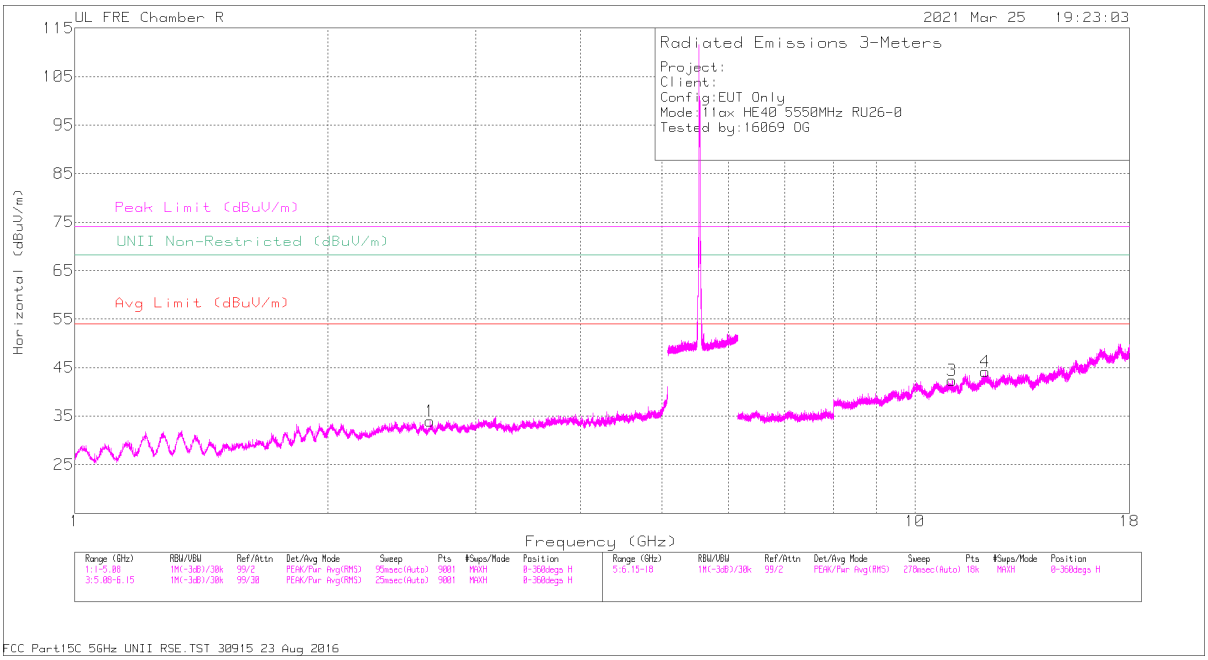
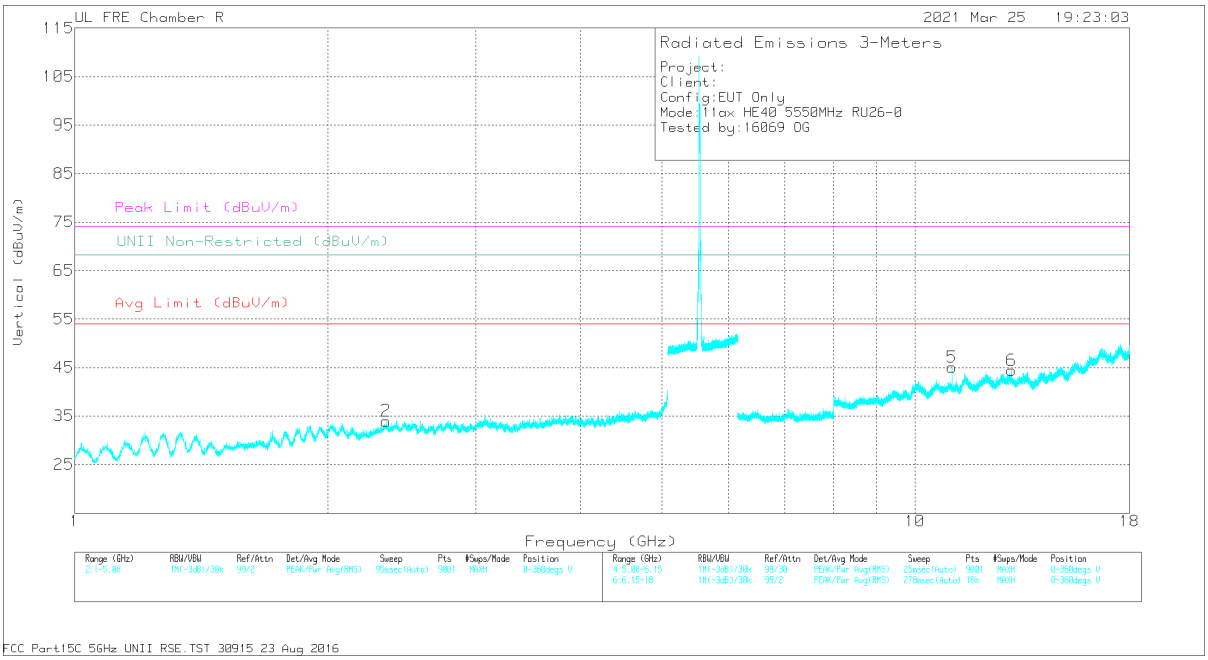
## MID CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | * 2.34581 | 56.27 | PK-U | 32.2 | -45.5 | 42.97 | - | - | 74 | -31.03 | - | - | 0 | 201 | V |
| | * 2.34761 | 45.08 | ADR | 32.2 | -45.5 | 31.78 | 54 | -22.22 | - | - | - | - | 0 | 201 | V |
| 3 | * 11.06439 | 49.91 | PK-U | 37.9 | -35.3 | 52.51 | - | - | 74 | -21.49 | - | - | 0 | 100 | H |
| | * 11.06446 | 38.27 | ADR | 37.9 | -35.3 | 40.87 | 54 | -13.13 | - | - | - | - | 0 | 100 | H |
| 4 | * 12.12548 | 48.19 | PK-U | 39 | -33.7 | 53.49 | - | - | 74 | -20.51 | - | - | 0 | 100 | H |
| | * 12.12785 | 36.39 | ADR | 39 | -33.7 | 41.69 | 54 | -12.31 | - | - | - | - | 0 | 100 | H |
| 5 | * 11.06267 | 48.12 | PK-U | 37.9 | -35.3 | 50.72 | - | - | 74 | -23.28 | - | - | 0 | 201 | V |
| | * 11.06368 | 36.84 | ADR | 37.9 | -35.3 | 39.44 | 54 | -14.56 | - | - | - | - | 0 | 201 | V |
| 1 | 2.64933 | 55.44 | PK-U | 32.1 | -44.4 | 43.14 | - | - | - | - | 68.2 | -25.06 | 0 | 100 | H |
| 6 | 13.02831 | 47.57 | PK-U | 39.2 | -34.1 | 52.67 | - | - | - | - | 68.2 | -15.53 | 0 | 200 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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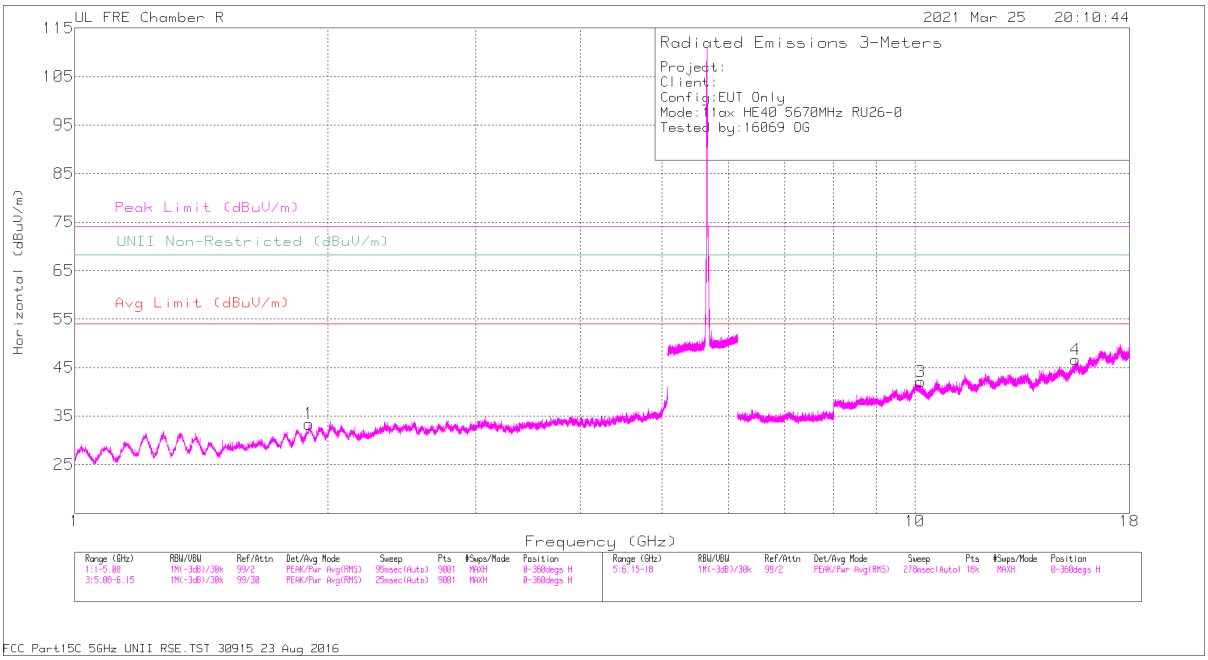
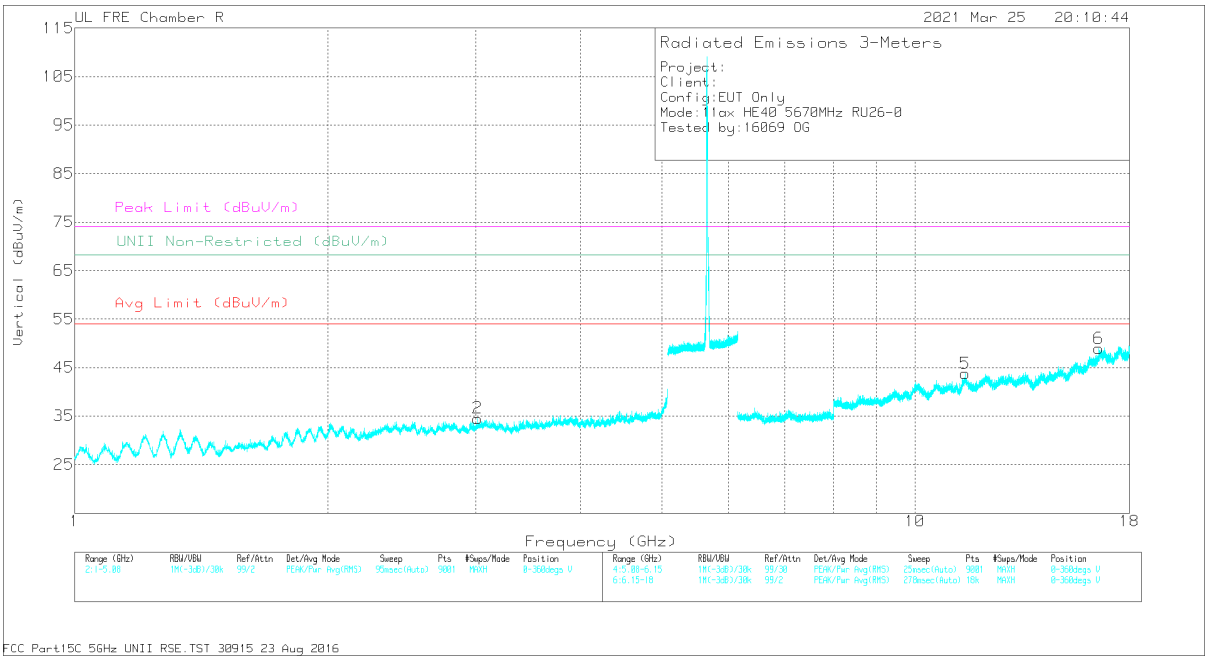
## HIGH CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | * 15.53153 | 47.62 | PK-U | 40.5 | -32 | 56.12 | - | - | 74 | -17.88 | - | - | 0 | 100 | H |
| | * 15.52952 | 35.95 | ADR | 40.5 | -32 | 44.45 | 54 | -9.55 | - | - | - | - | 0 | 100 | H |
| 5 | * 11.47557 | 47.8 | PK-U | 38.3 | -33.6 | 52.5 | - | - | 74 | -21.5 | - | - | 0 | 201 | V |
| | * 11.47353 | 35.86 | ADR | 38.3 | -33.6 | 40.56 | 54 | -13.44 | - | - | - | - | 0 | 201 | V |
| 1 | 1.90053 | 57.16 | PK-U | 31 | -45.5 | 42.66 | - | - | - | - | 68.2 | -25.54 | 0 | 100 | H |
| 2 | 3.01838 | 53.78 | PK-U | 32.9 | -42.7 | 43.98 | - | - | - | - | 68.2 | -24.22 | 0 | 201 | V |
| 3 | 10.15135 | 49.01 | PK-U | 37.3 | -35.7 | 50.61 | - | - | - | - | 68.2 | -17.59 | 0 | 100 | H |
| 6 | 16.54159 | 48.85 | PK-U | 41.8 | -33 | 57.65 | - | - | - | - | 68.2 | -10.55 | 0 | 200 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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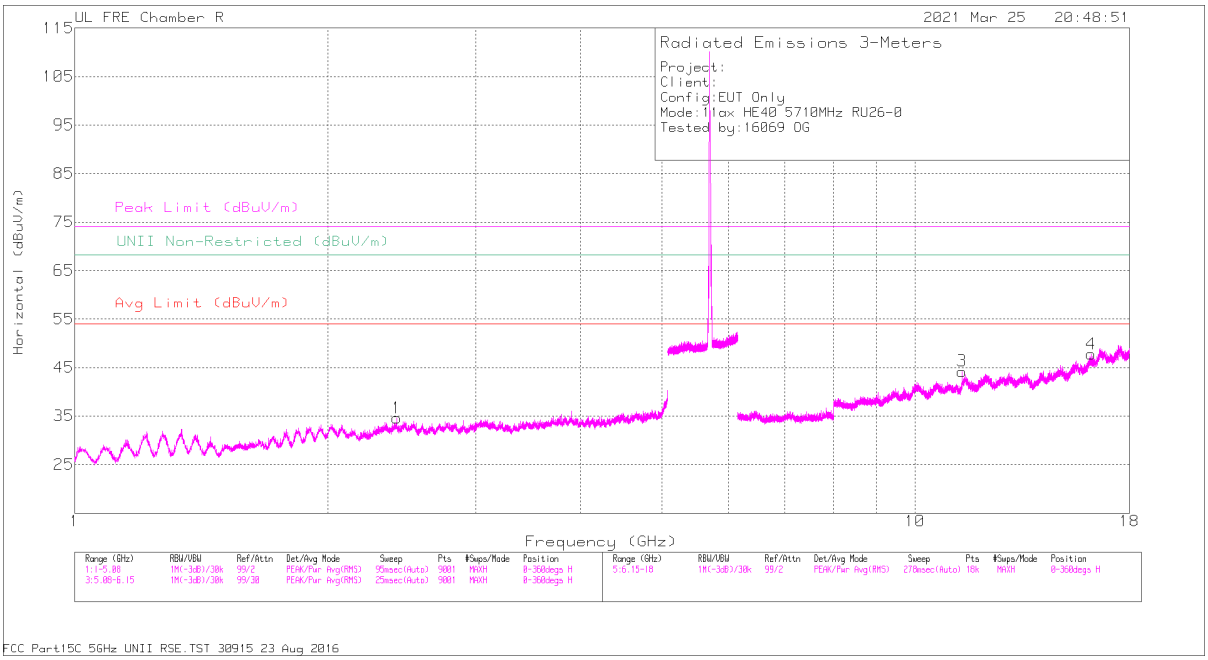
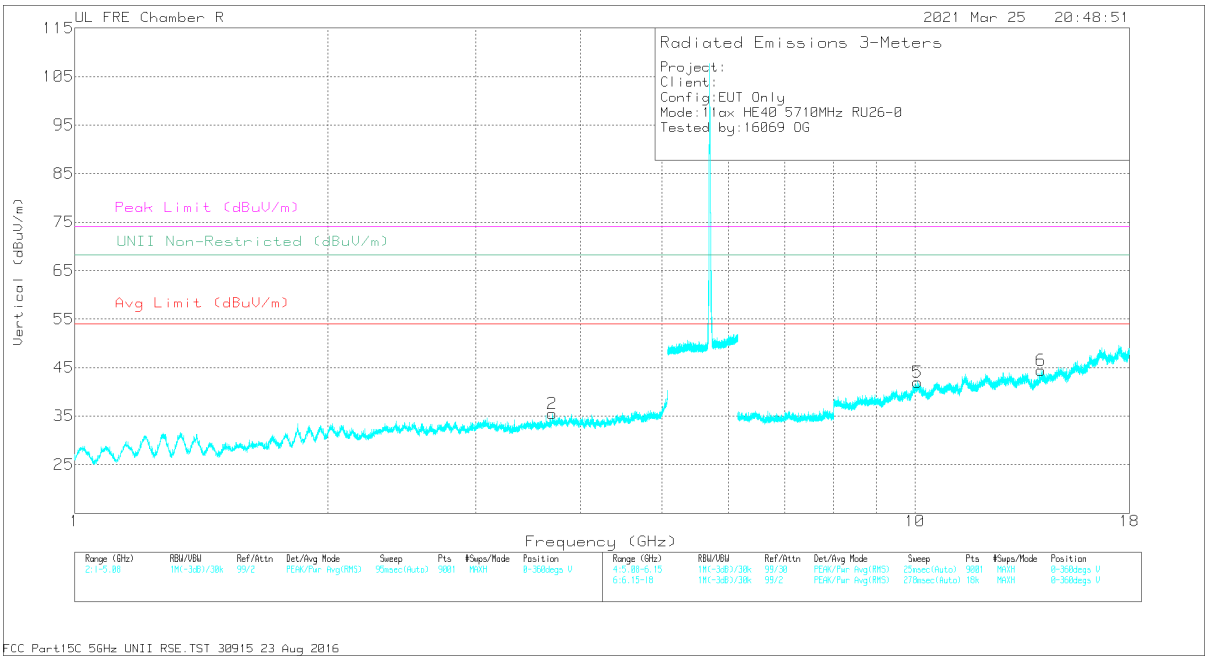
## CHANNEL 142 RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | * 3.70116 | 52.21 | PK-U | 33.3 | -41 | 44.51 | - | - | 74 | -29.49 | - | - | 0 | 201 | V |
| | * 3.69957 | 40.35 | ADR | 33.3 | -41 | 32.65 | 54 | -21.35 | - | - | - | - | 0 | 201 | V |
| 3 | * 11.38248 | 48.61 | PK-U | 38.2 | -34.7 | 52.11 | - | - | 74 | -21.89 | - | - | 0 | 100 | H |
| | * 11.38361 | 36.55 | ADR | 38.2 | -34.7 | 40.05 | 54 | -13.95 | - | - | - | - | 0 | 100 | H |
| 1 | 2.41367 | 56.95 | PK-U | 32.1 | -45.2 | 43.85 | - | - | - | - | 68.2 | -24.35 | 0 | 100 | H |
| 5 | 10.0807 | 49.49 | PK-U | 37.3 | -35.1 | 51.69 | - | - | - | - | 68.2 | -16.51 | 0 | 201 | V |
| 6 | 14.1359 | 49.34 | PK-U | 38.7 | -34 | 54.04 | - | - | - | - | 68.2 | -14.16 | 0 | 200 | V |
| 4 | 16.20582 | 47.42 | PK-U | 40.9 | -33 | 55.32 | - | - | - | - | 68.2 | -12.88 | 0 | 100 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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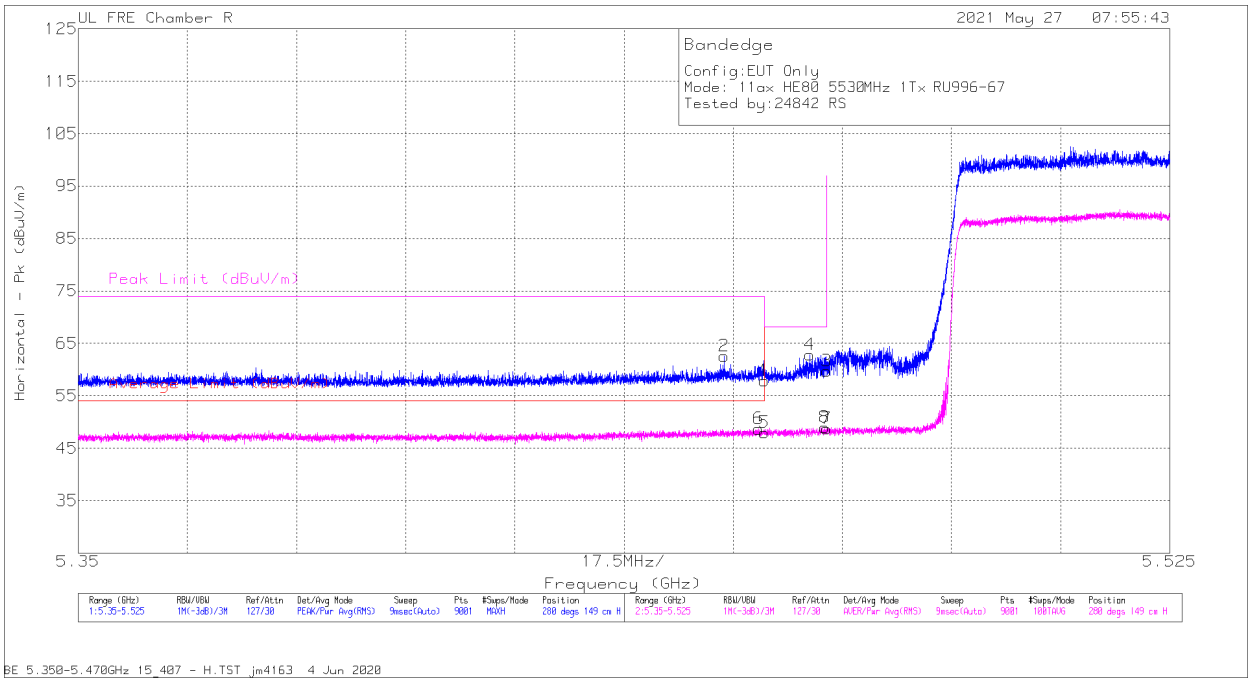
## 1.1.18. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.6 GHz BAND

**1TX ANTENNA 6 – 996-Tone, RU Index 67**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.45356 | 59.3 | Pk | 34.4 | -31.1 | 0 | 62.6 | - | - | 74 | -11.4 | 280 | 149 | H |
| 6 | 5.45906 | 45.24 | RMS | 34.4 | -31.1 | .12 | 48.66 | 54 | -5.34 | - | - | 280 | 149 | H |
| 1 | 5.45999 | 54.54 | Pk | 34.4 | -31.1 | 0 | 57.84 | - | - | 74 | -16.16 | 280 | 149 | H |
| 5 | 5.45999 | 44.59 | RMS | 34.4 | -31.1 | .12 | 48.01 | 54 | -5.99 | - | - | 280 | 149 | H |
| 4 | 5.46731 | 59.42 | Pk | 34.4 | -31 | 0 | 62.82 | - | - | 68.2 | -5.38 | 280 | 149 | H |
| 8 | 5.46968 | 45.4 | RMS | 34.4 | -31 | .12 | 48.92 | - | - | - | - | 280 | 149 | H |
| 3 | 5.46999 | 56.3 | Pk | 34.4 | -31 | 0 | 59.7 | - | - | 68.2 | -8.5 | 280 | 149 | H |
| 7 | 5.46999 | 45.16 | RMS | 34.4 | -31 | .12 | 48.68 | - | - | - | - | 280 | 149 | H |

Pk - Peak detector
RMS - RMS detection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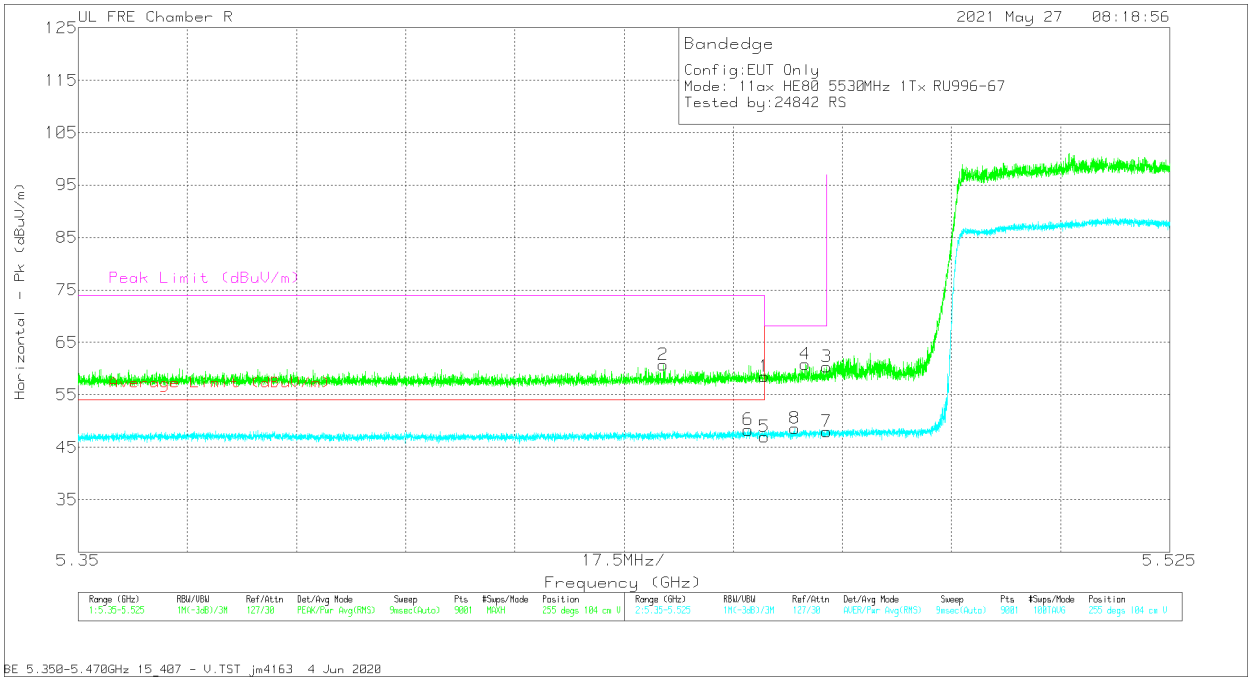
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.44378 | 57.36 | Pk | 34.4 | -31.1 | 0 | 60.66 | - | - | 74 | -13.34 | 255 | 104 | V |
| 6 | 5.45741 | 44.77 | RMS | 34.4 | -31 | .12 | 48.29 | 54 | -5.71 | - | - | 255 | 104 | V |
| 1 | 5.45999 | 55.15 | Pk | 34.4 | -31.1 | 0 | 58.45 | - | - | 74 | -15.55 | 255 | 104 | V |
| 5 | 5.45999 | 43.57 | RMS | 34.4 | -31.1 | .12 | 46.99 | 54 | -7.01 | - | - | 255 | 104 | V |
| 8 | 5.46488 | 45.04 | RMS | 34.4 | -31 | .12 | 48.56 | - | - | - | - | 255 | 104 | V |
| 4 | 5.46659 | 57.42 | Pk | 34.4 | -31 | 0 | 60.82 | - | - | 68.2 | -7.38 | 255 | 104 | V |
| 3 | 5.46999 | 56.95 | Pk | 34.4 | -31 | 0 | 60.35 | - | - | 68.2 | -7.85 | 255 | 104 | V |
| 7 | 5.46999 | 44.41 | RMS | 34.4 | -31 | .12 | 47.93 | - | - | - | - | 255 | 104 | V |

Pk - Peak detector
RMS - RMS detection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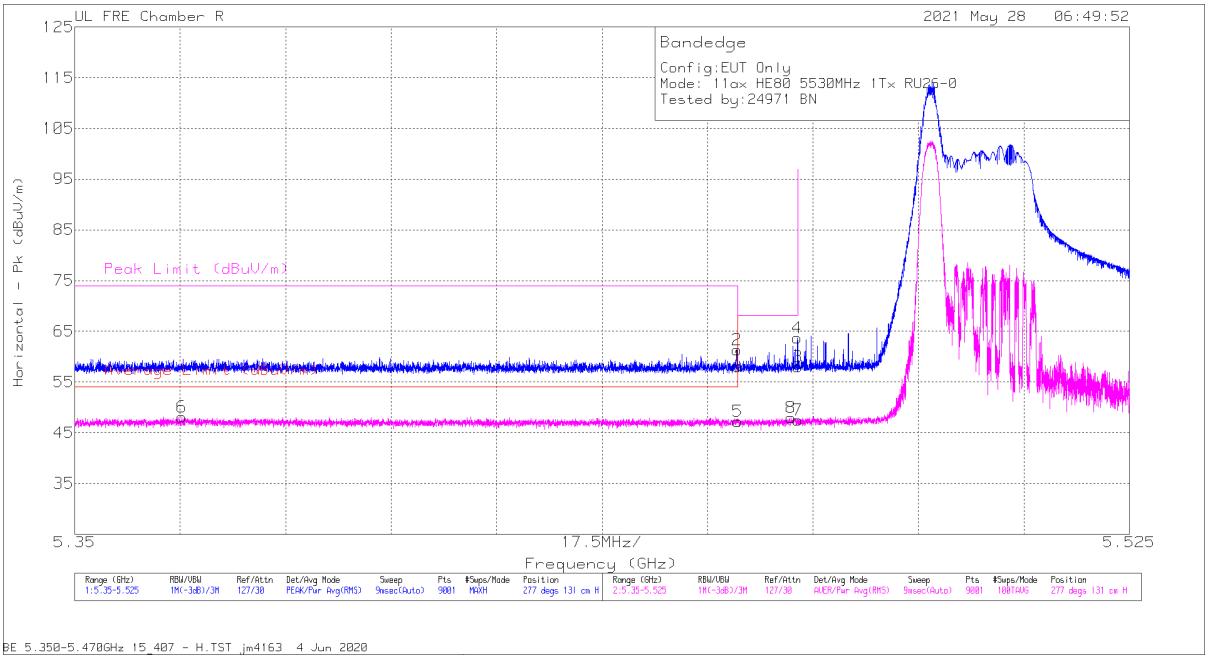
**1TX ANTENNA 6 – 26-Tone, RU Index 0**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.36779 | 44.84 | RMS | 34.4 | -31.1 | .12 | 48.26 | 54 | -5.74 | - | - | 277 | 131 | H |
| 2 | 5.4599 | 58.05 | Pk | 34.4 | -31.1 | 0 | 61.35 | - | - | 74 | -12.65 | 277 | 131 | H |
| 1 | 5.45999 | 54.79 | Pk | 34.4 | -31.1 | 0 | 58.09 | - | - | 74 | -15.91 | 277 | 131 | H |
| 5 | 5.45999 | 43.93 | RMS | 34.4 | -31.1 | .12 | 47.35 | 54 | -6.65 | - | - | 277 | 131 | H |
| 8 | 5.46886 | 44.55 | RMS | 34.4 | -31 | 0 | 47.95 | - | - | - | - | 277 | 131 | H |
| 4 | 5.46993 | 60.25 | Pk | 34.4 | -31 | 0 | 63.65 | - | - | 68.2 | -4.55 | 277 | 131 | H |
| 3 | 5.46999 | 54.55 | Pk | 34.4 | -31 | 0 | 57.95 | - | - | 68.2 | -10.25 | 277 | 131 | H |
| 7 | 5.46999 | 44.07 | RMS | 34.4 | -31 | 0 | 47.47 | - | - | - | - | 277 | 131 | H |

Pk - Peak detector
RMS - RMS detection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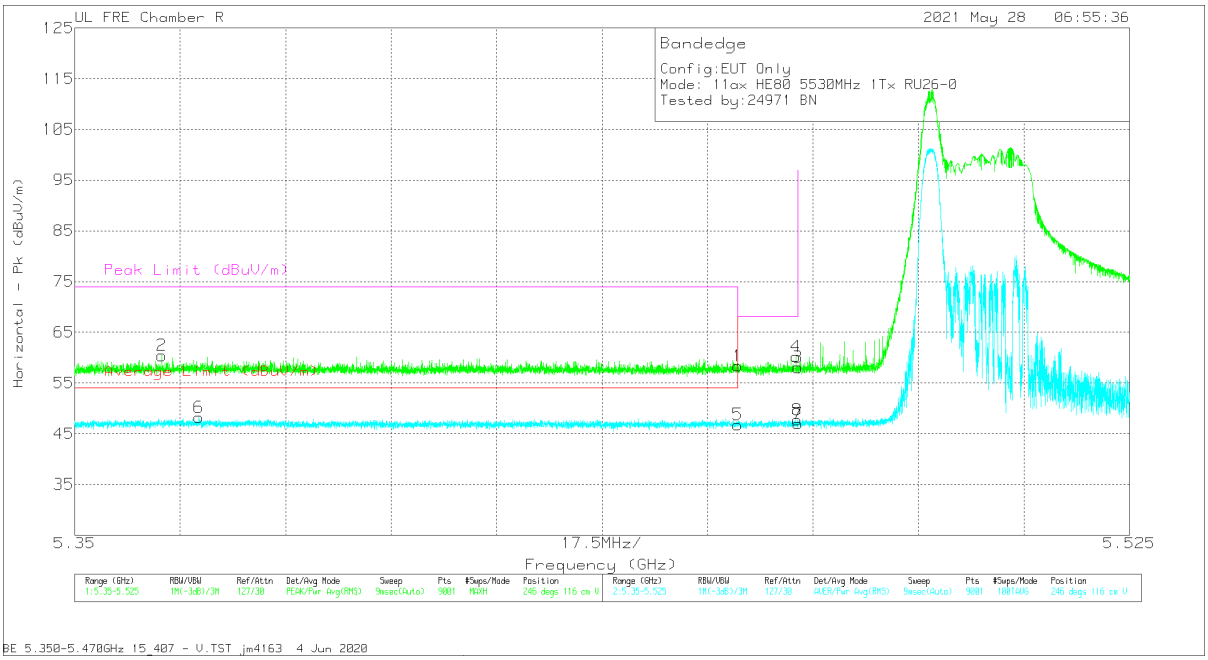
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.36447 | 57.21 | Pk | 34.4 | -31.2 | 0 | 60.41 | - | - | 74 | -13.59 | 246 | 116 | V |
| 6 | 5.37061 | 44.95 | RMS | 34.4 | -31.1 | .12 | 48.37 | 54 | -5.63 | - | - | 246 | 116 | V |
| 1 | 5.45999 | 55.1 | Pk | 34.4 | -31.1 | 0 | 58.4 | - | - | 74 | -15.6 | 246 | 116 | V |
| 5 | 5.45999 | 43.5 | RMS | 34.4 | -31.1 | .12 | 46.92 | 54 | -7.08 | - | - | 246 | 116 | V |
| 4 | 5.46968 | 56.82 | Pk | 34.4 | -31 | 0 | 60.22 | - | - | 68.2 | -7.98 | 246 | 116 | V |
| 8 | 5.46989 | 44.33 | RMS | 34.4 | -31 | 0 | 47.73 | - | - | - | - | 246 | 116 | V |
| 3 | 5.46999 | 54.66 | Pk | 34.4 | -31 | 0 | 58.06 | - | - | 68.2 | -10.14 | 246 | 116 | V |
| 7 | 5.46999 | 43.59 | RMS | 34.4 | -31 | 0 | 46.99 | - | - | - | - | 246 | 116 | V |

Pk - Peak detector
RMS - RMS detection



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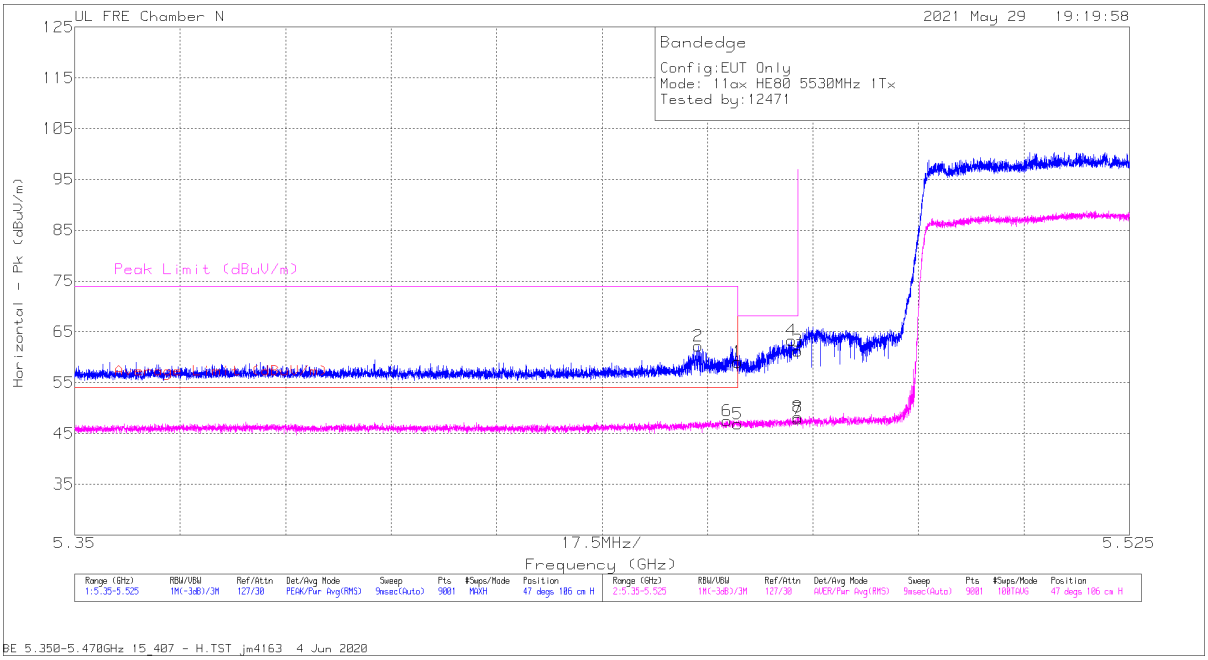
**1TX ANTENNA 5 – 996-Tone, RU Index 67**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.45348 | 60.68 | Pk | 34.5 | -33 | 0 | 62.18 | - | - | 74 | -11.82 | 47 | 106 | H |
| 6 | 5.45824 | 45.81 | RMS | 34.5 | -32.9 | .12 | 47.53 | 54 | -6.47 | - | - | 47 | 106 | H |
| 1 | 5.45999 | 57.45 | Pk | 34.5 | -32.9 | 0 | 59.05 | - | - | 74 | -14.95 | 47 | 106 | H |
| 5 | 5.45999 | 45.11 | RMS | 34.5 | -32.9 | .12 | 46.83 | 54 | -7.17 | - | - | 47 | 106 | H |
| 4 | 5.46896 | 61.56 | Pk | 34.5 | -32.8 | 0 | 63.26 | - | - | 68.2 | -4.94 | 47 | 106 | H |
| 8 | 5.46997 | 46.44 | RMS | 34.5 | -32.8 | .12 | 48.26 | - | - | - | - | 47 | 106 | H |
| 3 | 5.46999 | 59.57 | Pk | 34.5 | -32.8 | 0 | 61.27 | - | - | 68.2 | -6.93 | 47 | 106 | H |
| 7 | 5.46999 | 46.06 | RMS | 34.5 | -32.8 | .12 | 47.88 | - | - | - | - | 47 | 106 | H |

Pk - Peak detector
RMS - RMS detection



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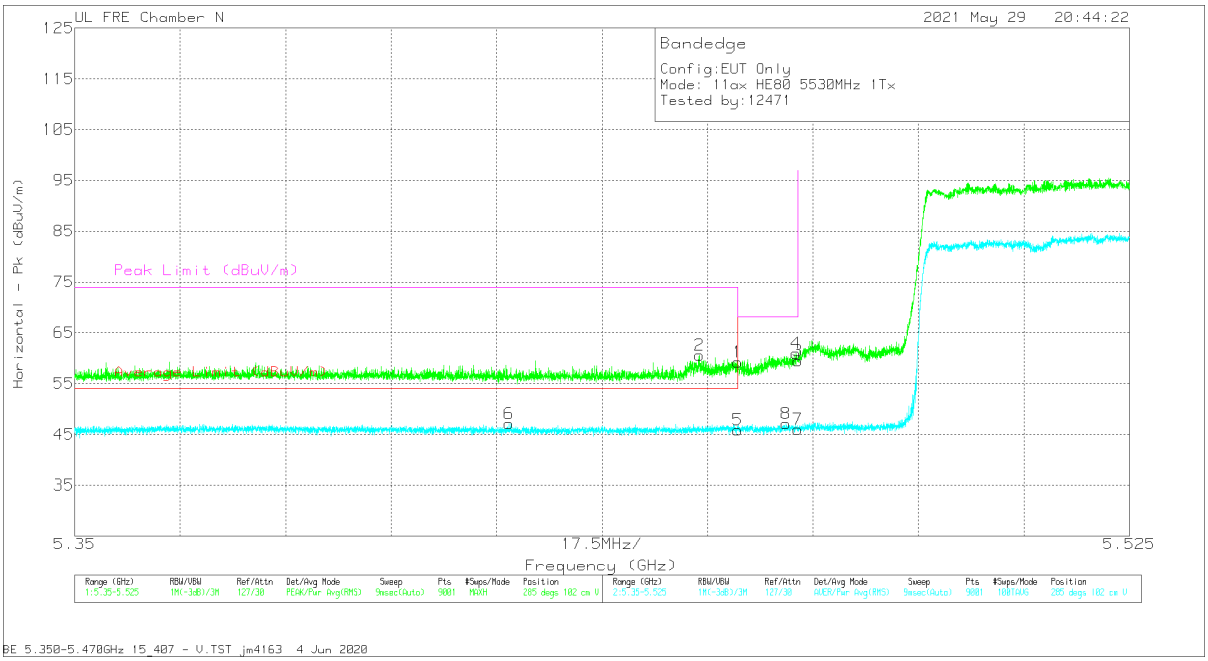
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.42204 | 45.62 | RMS | 34.5 | -33.1 | .12 | 47.14 | 54 | -6.86 | - | - | 285 | 102 | V |
| 2 | 5.45362 | 59.09 | Pk | 34.5 | -33 | 0 | 60.59 | - | - | 74 | -13.41 | 285 | 102 | V |
| 1 | 5.45999 | 57.59 | Pk | 34.5 | -32.9 | 0 | 59.19 | - | - | 74 | -14.81 | 285 | 102 | V |
| 5 | 5.45999 | 44.13 | RMS | 34.5 | -32.9 | .12 | 45.85 | 54 | -8.15 | - | - | 285 | 102 | V |
| 8 | 5.46803 | 45.45 | RMS | 34.4 | -32.9 | .12 | 47.07 | - | - | - | - | 285 | 102 | V |
| 4 | 5.46972 | 59.21 | Pk | 34.5 | -32.8 | 0 | 60.91 | - | - | 68.2 | -7.29 | 285 | 102 | V |
| 3 | 5.46999 | 57.73 | Pk | 34.5 | -32.8 | 0 | 59.43 | - | - | 68.2 | -8.77 | 285 | 102 | V |
| 7 | 5.46999 | 44.17 | RMS | 34.5 | -32.8 | .12 | 45.99 | - | - | - | - | 285 | 102 | V |

Pk - Peak detector
RMS - RMS detection



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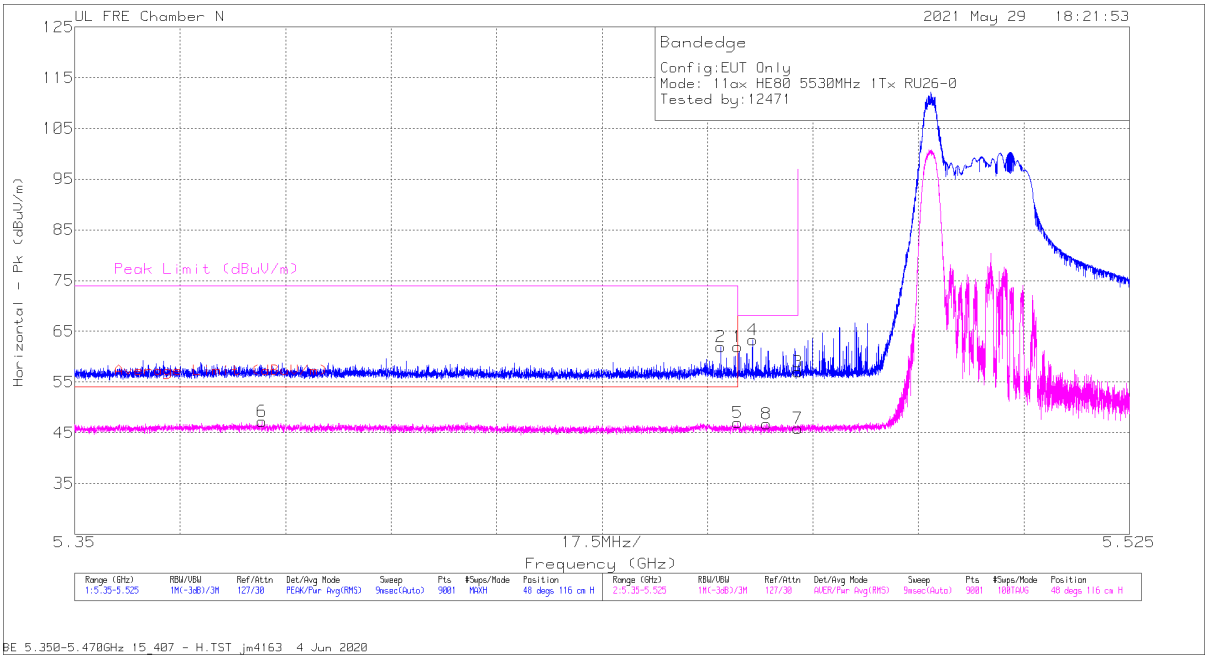
**1TX ANTENNA 5 – 26-Tone, RU Index 0**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.38111 | 45.61 | RMS | 34.6 | -33 | .12 | 47.33 | 54 | -6.67 | - | - | 48 | 116 | H |
| 2 | 5.45719 | 60.31 | Pk | 34.5 | -32.9 | 0 | 61.91 | - | - | 74 | -12.09 | 48 | 116 | H |
| 1 | 5.45999 | 60.34 | Pk | 34.5 | -32.9 | 0 | 61.94 | - | - | 74 | -12.06 | 48 | 116 | H |
| 5 | 5.45999 | 45.41 | RMS | 34.5 | -32.9 | .12 | 47.13 | 54 | -6.87 | - | - | 48 | 116 | H |
| 4 | 5.46246 | 61.8 | Pk | 34.4 | -32.9 | 0 | 63.3 | - | - | 68.2 | -4.9 | 48 | 116 | H |
| 8 | 5.46484 | 45.29 | RMS | 34.4 | -32.9 | 0 | 46.79 | - | - | - | - | 48 | 116 | H |
| 3 | 5.46999 | 55.27 | Pk | 34.5 | -32.8 | 0 | 56.97 | - | - | 68.2 | -11.23 | 48 | 116 | H |
| 7 | 5.46999 | 44.19 | RMS | 34.5 | -32.8 | 0 | 45.89 | - | - | - | - | 48 | 116 | H |

Pk - Peak detector
RMS - RMS detection



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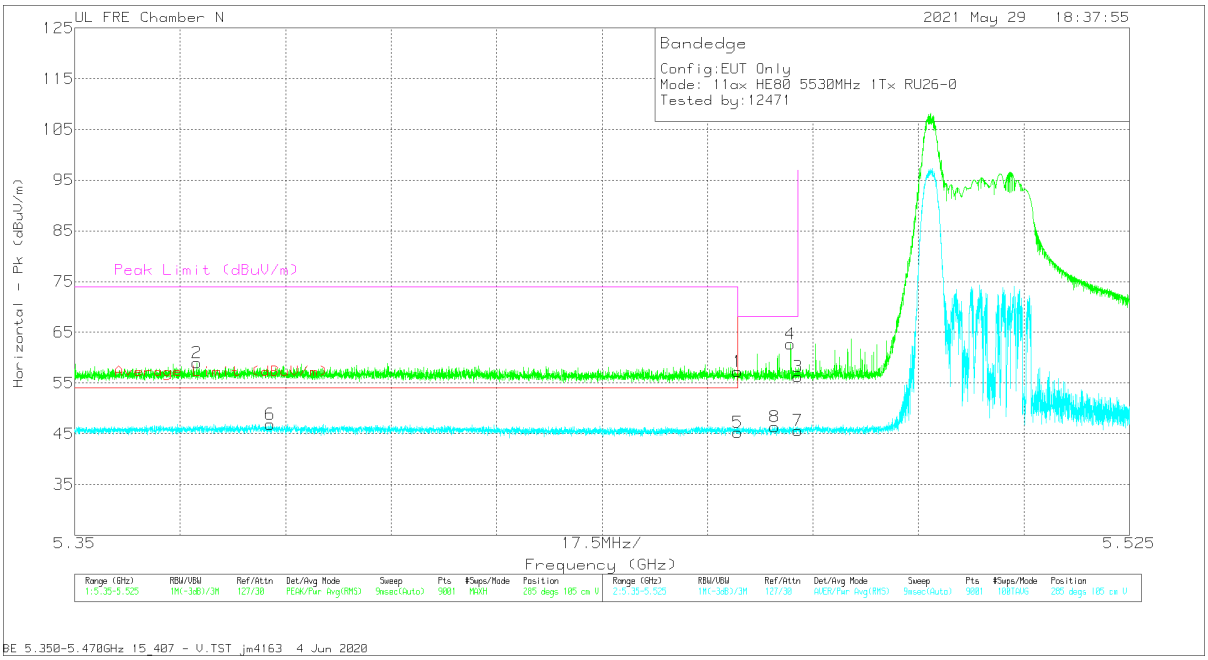
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.37022 | 57.63 | Pk | 34.5 | -33.1 | 0 | 59.03 | - | - | 74 | -14.97 | 285 | 105 | V |
| 6 | 5.38239 | 45.27 | RMS | 34.6 | -33 | .12 | 46.99 | 54 | -7.01 | - | - | 285 | 105 | V |
| 1 | 5.45999 | 55.67 | Pk | 34.5 | -32.9 | 0 | 57.27 | - | - | 74 | -16.73 | 285 | 105 | V |
| 5 | 5.45999 | 43.69 | RMS | 34.5 | -32.9 | .12 | 45.41 | 54 | -8.59 | - | - | 285 | 105 | V |
| 8 | 5.46616 | 44.91 | RMS | 34.4 | -32.9 | 0 | 46.41 | - | - | - | - | 285 | 105 | V |
| 4 | 5.46874 | 60.99 | Pk | 34.5 | -32.8 | 0 | 62.69 | - | - | 68.2 | -5.51 | 285 | 105 | V |
| 3 | 5.46999 | 54.55 | Pk | 34.5 | -32.8 | 0 | 56.25 | - | - | 68.2 | -11.95 | 285 | 105 | V |
| 7 | 5.46999 | 43.89 | RMS | 34.5 | -32.8 | 0 | 45.59 | - | - | - | - | 285 | 105 | V |

Pk - Peak detector
RMS - RMS detection



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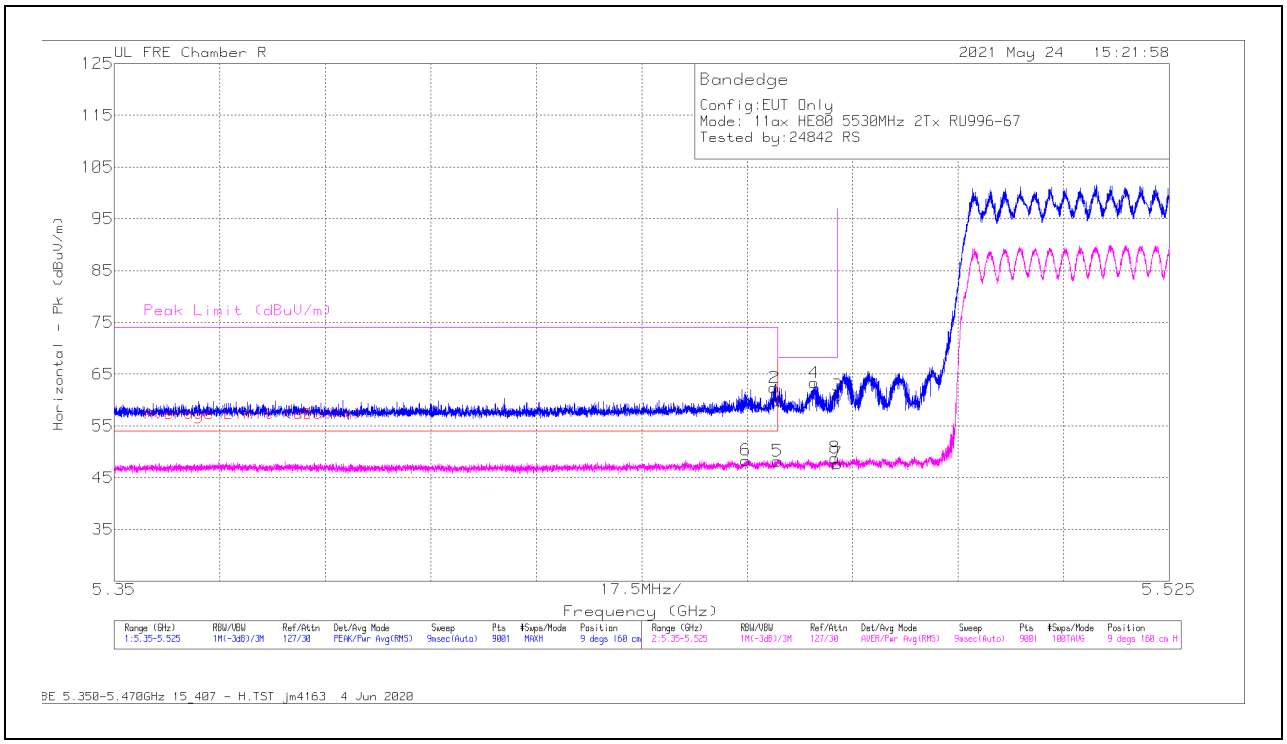
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 966-Tone, RU Index 67**

## BANDEDGE (LOW CHANNEL)

## HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.45473 | 45.05 | RMS | 34.4 | -31.1 | 0 | 48.35 | 54 | -5.65 | - | - | 9 | 160 | H |
| 2 | 5.45947 | 59.05 | Pk | 34.4 | -31.1 | 0 | 62.35 | - | - | 74 | -11.65 | 9 | 160 | H |
| 1 | 5.45999 | 56.57 | Pk | 34.4 | -31.1 | 0 | 59.87 | - | - | 74 | -14.13 | 9 | 160 | H |
| 5 | 5.45999 | 44.9 | RMS | 34.4 | -31.1 | 0 | 48.2 | 54 | -5.8 | - | - | 9 | 160 | H |
| 4 | 5.46608 | 59.92 | Pk | 34.4 | -31 | 0 | 63.32 | - | - | 68.2 | -4.88 | 9 | 160 | H |
| 8 | 5.46956 | 45.41 | RMS | 34.4 | -31 | 0 | 48.81 | - | - | - | - | 9 | 160 | H |
| 3 | 5.46999 | 57.44 | Pk | 34.4 | -31 | 0 | 60.84 | - | - | 68.2 | -7.36 | 9 | 160 | H |
| 7 | 5.46999 | 44.34 | RMS | 34.4 | -31 | 0 | 47.74 | - | - | - | - | 9 | 160 | H |

Pk - Peak detector
RMS - RMS detection



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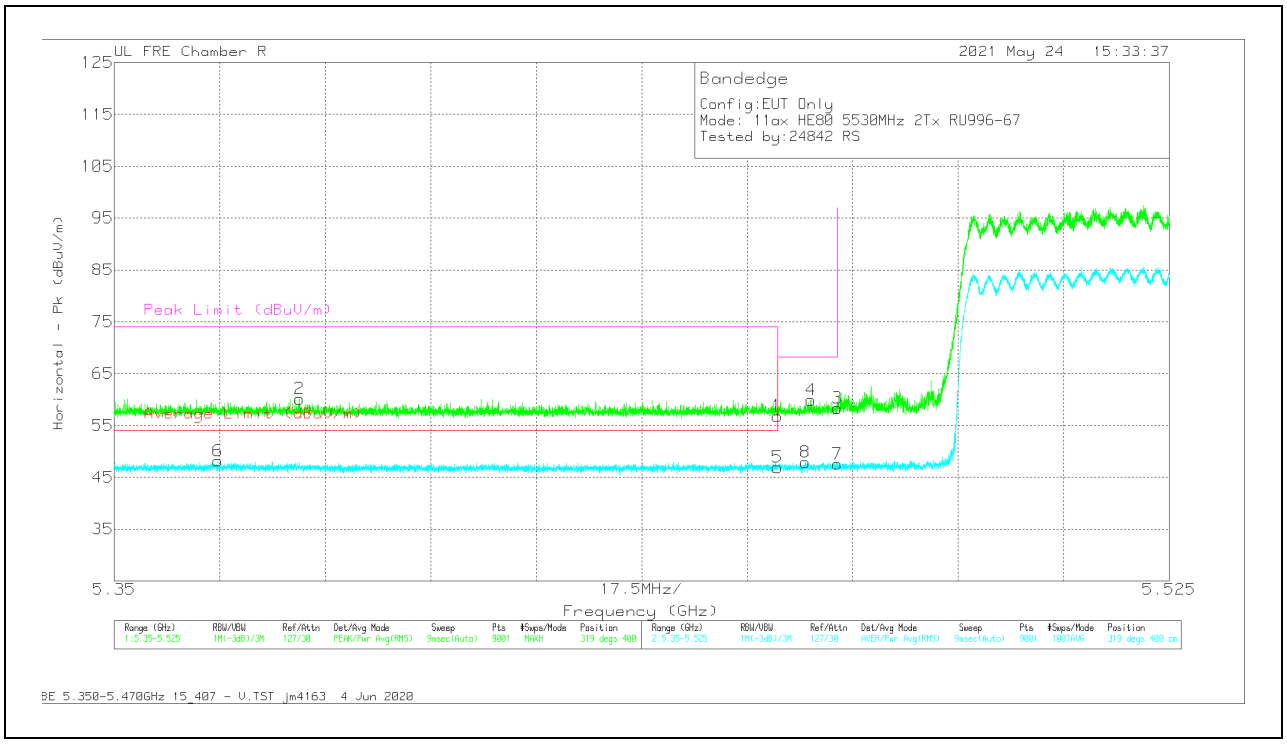
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.36715 | 44.84 | RMS | 34.4 | -31.1 | 0 | 48.14 | 54 | -5.86 | - | - | 319 | 400 | V |
| 2 | 5.38076 | 56.83 | Pk | 34.4 | -31.1 | 0 | 60.13 | - | - | 74 | -13.87 | 319 | 400 | V |
| 1 | 5.45999 | 53.53 | Pk | 34.4 | -31.1 | 0 | 56.83 | - | - | 74 | -17.17 | 319 | 400 | V |
| 5 | 5.45999 | 43.61 | RMS | 34.4 | -31.1 | 0 | 46.91 | 54 | -7.09 | - | - | 319 | 400 | V |
| 8 | 5.46462 | 44.49 | RMS | 34.4 | -31 | 0 | 47.89 | - | - | - | - | 319 | 400 | V |
| 4 | 5.46561 | 56.5 | Pk | 34.4 | -31 | 0 | 59.9 | - | - | 68.2 | -8.3 | 319 | 400 | V |
| 3 | 5.46999 | 54.93 | Pk | 34.4 | -31 | 0 | 58.33 | - | - | 68.2 | -9.87 | 319 | 400 | V |
| 7 | 5.46999 | 44.15 | RMS | 34.4 | -31 | 0 | 47.55 | - | - | - | - | 319 | 400 | V |

Pk - Peak detector
RMS - RMS detection



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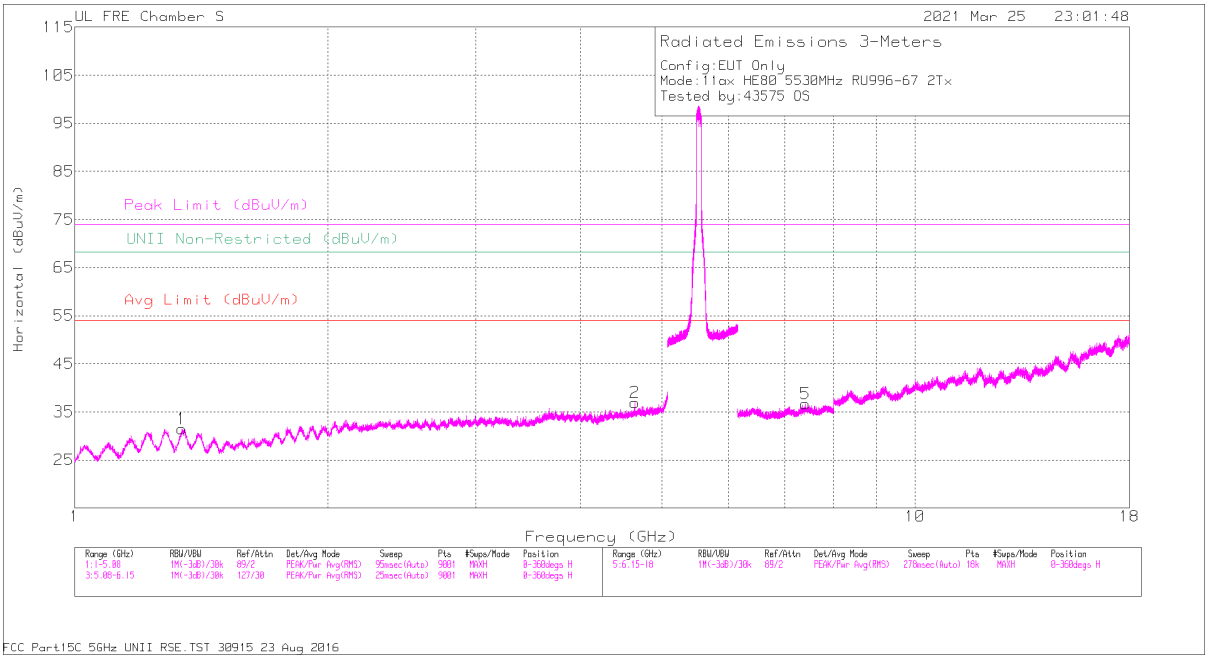
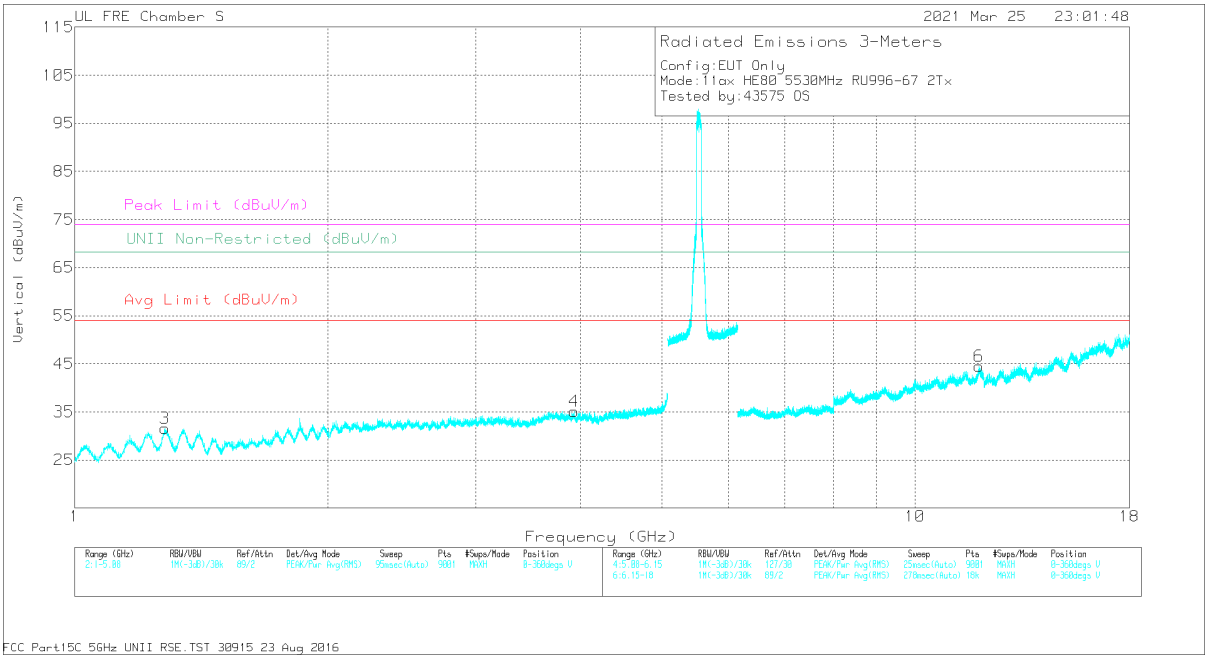
## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.34093 | 57.95 | PK-U | 29.3 | -44.9 | 42.35 | - | - | 74 | -31.65 | - | - | 0 | 100 | H |
| | * 1.34333 | 45.48 | ADR | 29.3 | -44.9 | 29.88 | 54 | -24.12 | - | - | - | - | 0 | 100 | H |
| 2 | * 4.64068 | 52.84 | PK-U | 34.3 | -41.5 | 45.64 | - | - | 74 | -28.36 | - | - | 0 | 100 | H |
| | * 4.64003 | 41.25 | ADR | 34.3 | -41.5 | 34.05 | 54 | -19.95 | - | - | - | - | 0 | 100 | H |
| 3 | * 1.27935 | 57.44 | PK-U | 29.2 | -45.2 | 41.44 | - | - | 74 | -32.56 | - | - | 0 | 100 | V |
| | * 1.28078 | 46.15 | ADR | 29.1 | -45.2 | 30.05 | 54 | -23.95 | - | - | - | - | 0 | 100 | V |
| 4 | * 3.93026 | 51.76 | PK-U | 33.8 | -40.6 | 44.96 | - | - | 74 | -29.04 | - | - | 0 | 100 | V |
| | * 3.92785 | 39.74 | ADR | 33.8 | -40.6 | 32.94 | 54 | -21.06 | - | - | - | - | 0 | 100 | V |
| 5 | * 7.4119 | 49.9 | PK-U | 36.1 | -38.2 | 47.8 | - | - | 74 | -26.2 | - | - | 0 | 201 | H |
| | * 7.41104 | 38.37 | ADR | 36.1 | -38.2 | 36.27 | 54 | -17.73 | - | - | - | - | 0 | 201 | H |
| 6 | * 11.9276 | 47.01 | PK-U | 38.8 | -33.9 | 51.91 | - | - | 74 | -22.09 | - | - | 0 | 200 | V |
| | * 11.92838 | 35.08 | ADR | 38.8 | -33.9 | 39.98 | 54 | -14.02 | - | - | - | - | 0 | 200 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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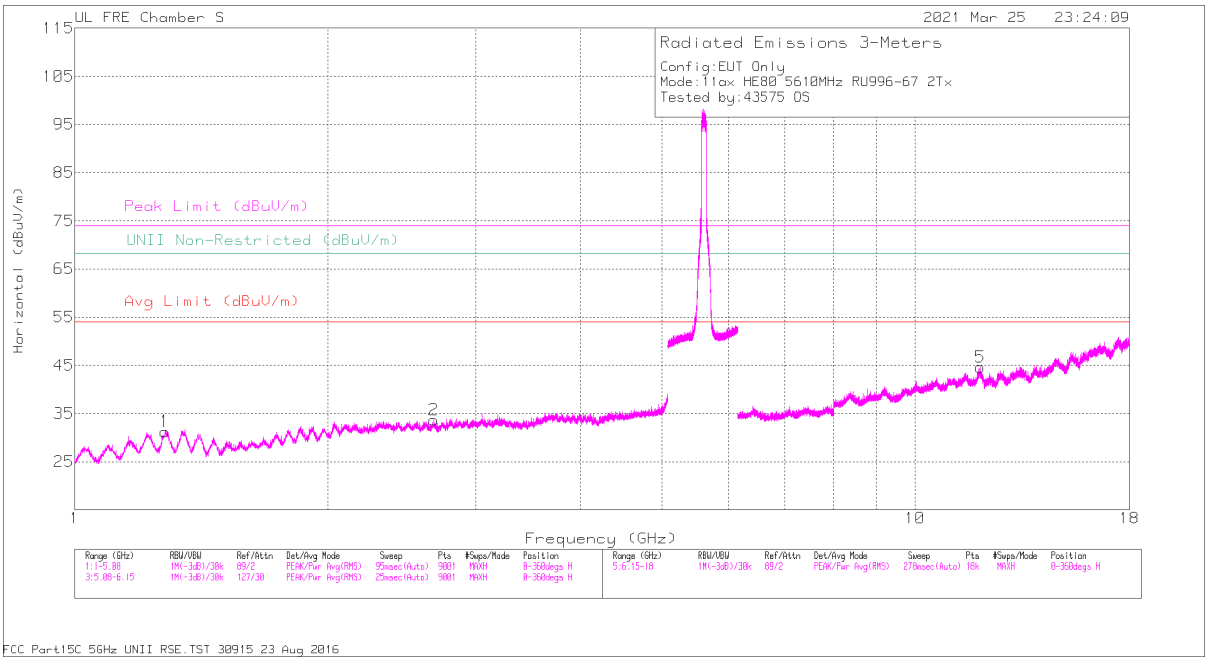
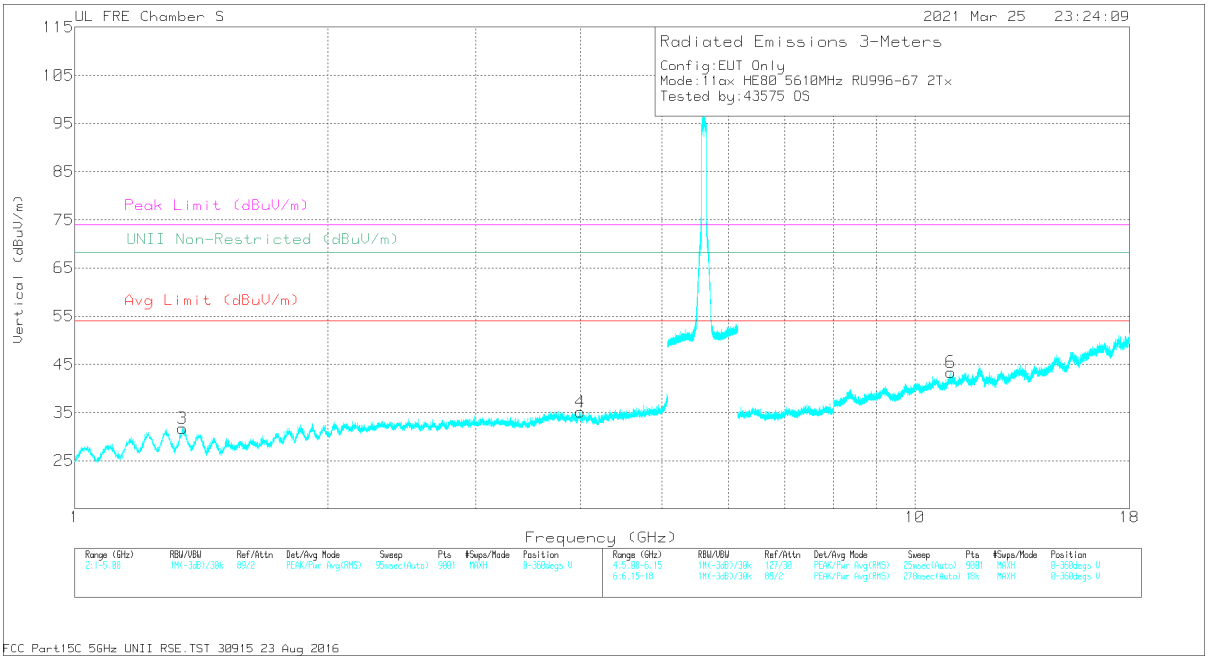
## HIGH CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.27893 | 58.23 | PK-U | 29.2 | -45.2 | 42.23 | - | - | 74 | -31.77 | - | - | 360 | 100 | H |
| | * 1.27922 | 46 | ADR | 29.2 | -45.2 | 30 | 54 | -24 | - | - | - | - | 360 | 100 | H |
| 2 | * 2.67457 | 55.38 | PK-U | 32.1 | -44 | 43.48 | - | - | 74 | -30.52 | - | - | 360 | 100 | H |
| | * 2.67413 | 43.44 | ADR | 32.1 | -44 | 31.54 | 54 | -22.46 | - | - | - | - | 360 | 100 | H |
| 3 | * 1.34427 | 57.34 | PK-U | 29.3 | -44.9 | 41.74 | - | - | 74 | -32.26 | - | - | 360 | 201 | V |
| | * 1.34334 | 45.62 | ADR | 29.3 | -44.9 | 30.02 | 54 | -23.98 | - | - | - | - | 360 | 201 | V |
| 4 | * 3.99924 | 51.67 | PK-U | 33.6 | -40.8 | 44.47 | - | - | 74 | -29.53 | - | - | 360 | 200 | V |
| | * 4.00018 | 39.88 | ADR | 33.6 | -40.8 | 32.68 | 54 | -21.32 | - | - | - | - | 360 | 200 | V |
| 5 | * 11.95186 | 46.59 | PK-U | 38.8 | -34 | 51.39 | - | - | 74 | -22.61 | - | - | 360 | 100 | H |
| | * 11.95171 | 34.98 | ADR | 38.8 | -34 | 39.78 | 54 | -14.22 | - | - | - | - | 360 | 100 | H |
| 6 | * 11.0429 | 47.24 | PK-U | 37.9 | -34.8 | 50.34 | - | - | 74 | -23.66 | - | - | 360 | 201 | V |
| | * 11.04251 | 35.59 | ADR | 37.9 | -34.8 | 38.69 | 54 | -15.31 | - | - | - | - | 360 | 201 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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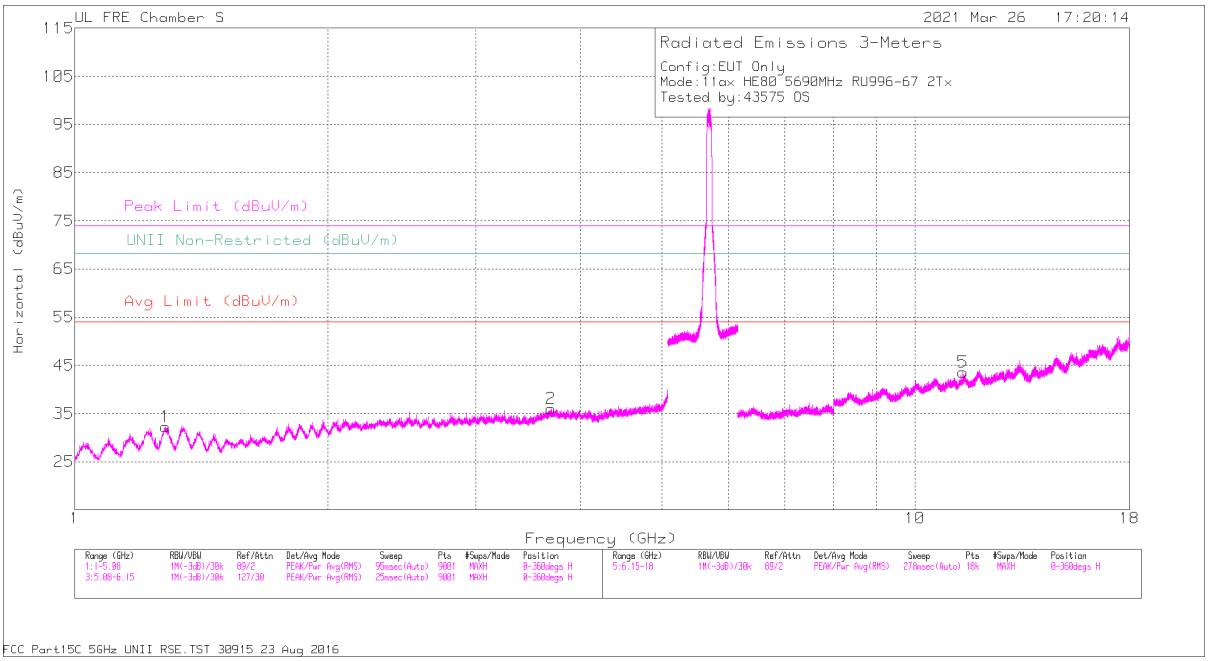
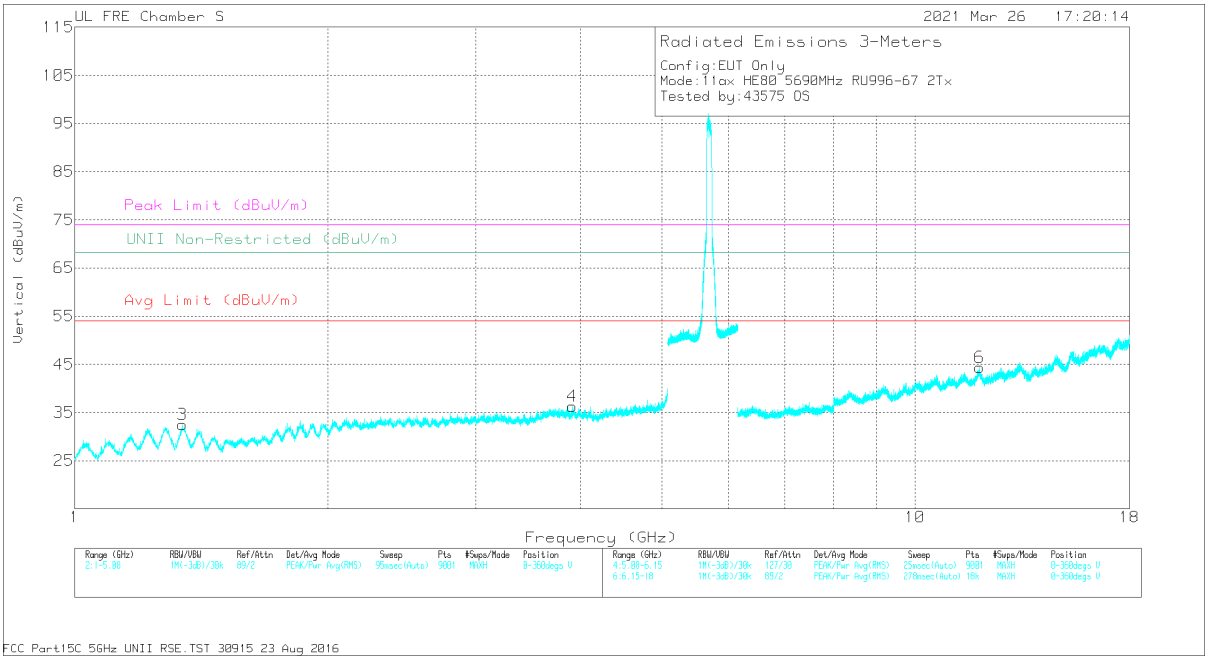
## CHANNEL 138 RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.28001 | 57.58 | PK-U | 29.2 | -45.2 | 41.58 | - | - | 74 | -32.42 | - | - | 0 | 100 | H |
| | * 1.28314 | 46.19 | ADR | 29.1 | -45.2 | 30.09 | 54 | -23.91 | - | - | - | - | 0 | 100 | H |
| 2 | * 3.68987 | 52.25 | PK-U | 33.5 | -40.8 | 44.95 | - | - | 74 | -29.05 | - | - | 0 | 100 | H |
| | * 3.69034 | 40.54 | ADR | 33.5 | -40.8 | 33.24 | 54 | -20.76 | - | - | - | - | 0 | 100 | H |
| 3 | * 1.34437 | 57.38 | PK-U | 29.3 | -44.9 | 41.78 | - | - | 74 | -32.22 | - | - | 0 | 201 | V |
| | * 1.34344 | 45.81 | ADR | 29.3 | -44.9 | 30.21 | 54 | -23.79 | - | - | - | - | 0 | 201 | V |
| 4 | * 3.91196 | 51.38 | PK-U | 34 | -40.6 | 44.78 | - | - | 74 | -29.22 | - | - | 0 | 200 | V |
| | * 3.91168 | 39.7 | ADR | 34 | -40.6 | 33.1 | 54 | -20.9 | - | - | - | - | 0 | 200 | V |
| 5 | * 11.40696 | 46.6 | PK-U | 38.2 | -33.6 | 51.2 | - | - | 74 | -22.8 | - | - | 0 | 200 | H |
| | * 11.40673 | 35.25 | ADR | 38.2 | -33.6 | 39.85 | 54 | -14.15 | - | - | - | - | 0 | 200 | H |
| 6 | * 11.93242 | 46.95 | PK-U | 38.8 | -33.8 | 51.95 | - | - | 74 | -22.05 | - | - | 0 | 100 | V |
| | * 11.93228 | 35.16 | ADR | 38.8 | -33.9 | 40.06 | 54 | -13.94 | - | - | - | - | 0 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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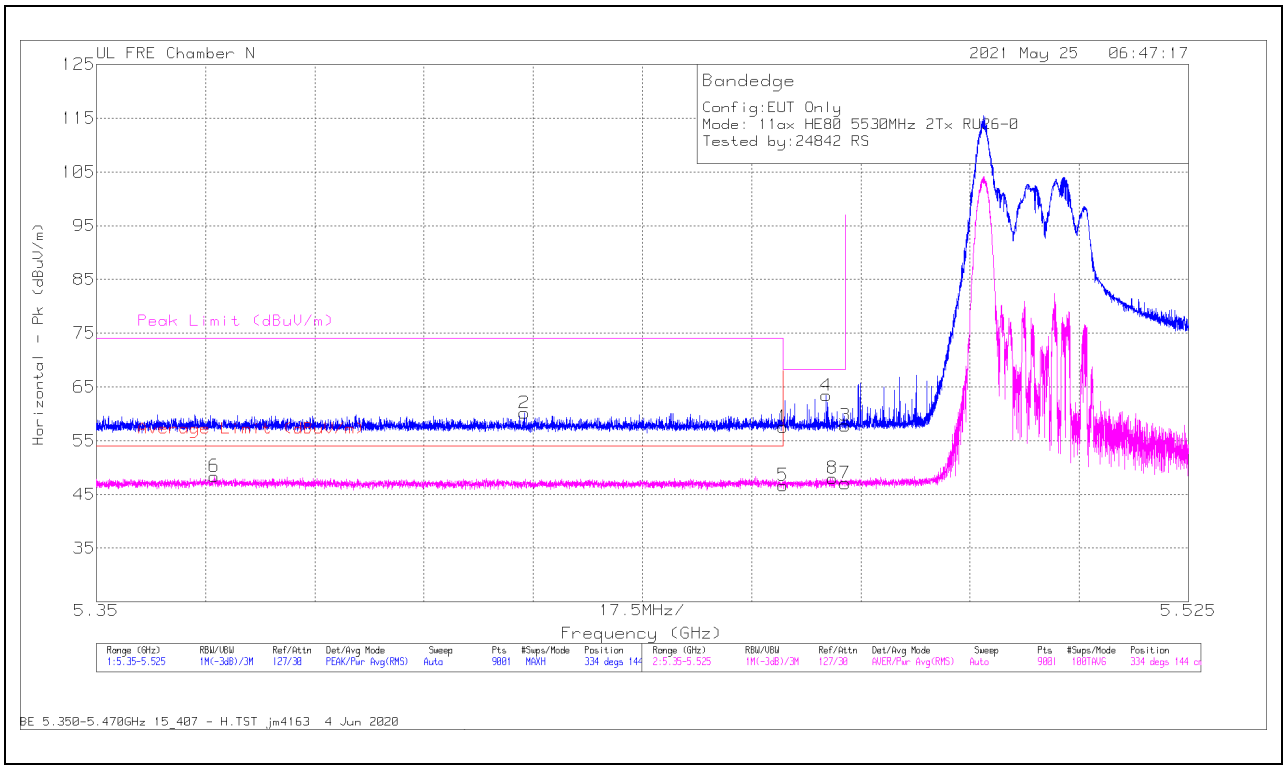
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 26-Tone, RU Index 0**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.36888 | 45.04 | RMS | 34.4 | -31.1 | 48.34 | 54 | -5.66 | - | - | 334 | 144 | H |
| 2 | 5.41858 | 56.94 | Pk | 34.3 | -31.1 | 60.14 | - | - | 74 | -13.86 | 334 | 144 | H |
| 1 | 5.45999 | 54.27 | Pk | 34.4 | -31.1 | 57.57 | - | - | 74 | -16.43 | 334 | 144 | H |
| 5 | 5.45999 | 43.34 | RMS | 34.4 | -31.1 | 46.64 | 54 | -7.36 | - | - | 334 | 144 | H |
| 4 | 5.46696 | 60 | Pk | 34.4 | -31 | 63.4 | - | - | 68.2 | -4.8 | 334 | 144 | H |
| 8 | 5.46795 | 44.58 | RMS | 34.4 | -31 | 47.98 | - | - | - | - | 334 | 144 | H |
| 3 | 5.46999 | 54.42 | Pk | 34.4 | -31 | 57.82 | - | - | 68.2 | -10.38 | 334 | 144 | H |
| 7 | 5.46999 | 43.66 | RMS | 34.4 | -31 | 47.06 | - | - | - | - | 334 | 144 | H |

Pk - Peak detector
RMS - RMS detection



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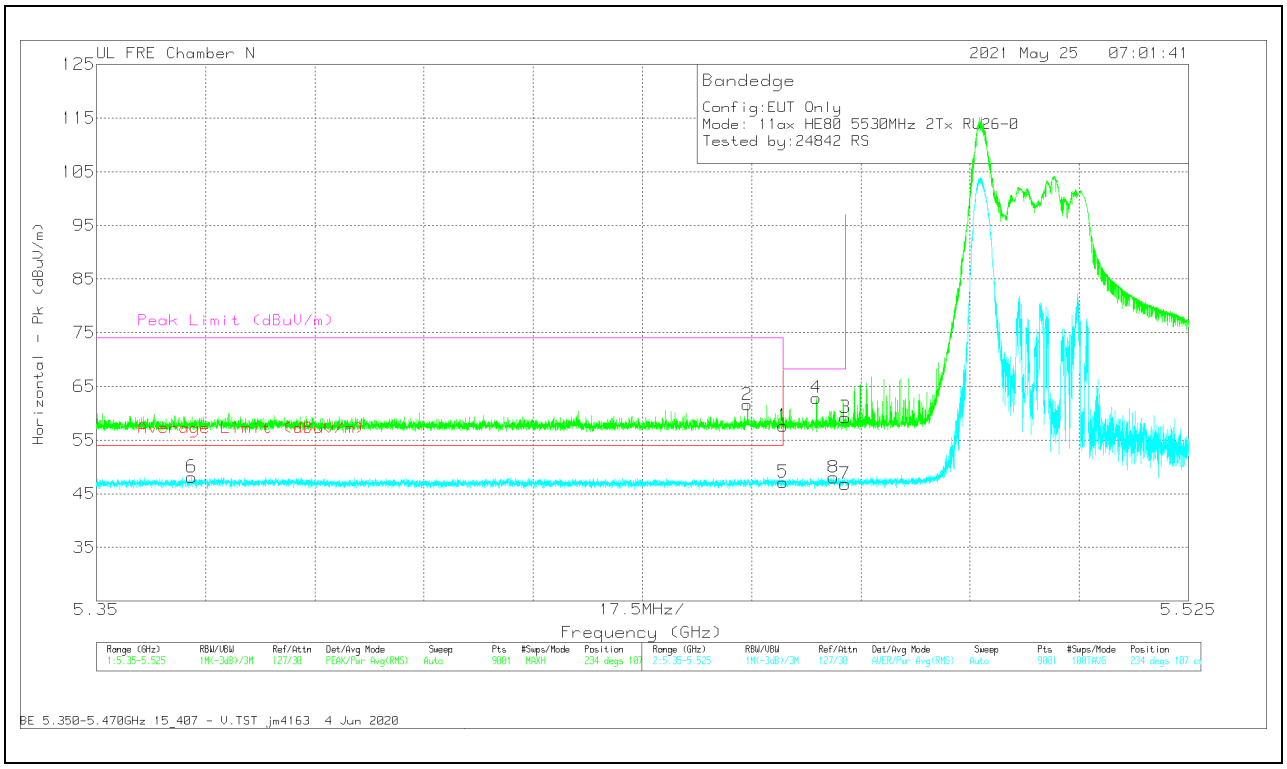
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 5.36528 | 44.92 | RMS | 34.4 | -31.2 | 48.12 | 54 | -5.88 | - | - | 234 | 107 | V |
| 2 | 5.45428 | 58.28 | Pk | 34.4 | -31.1 | 61.58 | - | - | 74 | -12.42 | 234 | 107 | V |
| 1 | 5.45999 | 54.36 | Pk | 34.4 | -31.1 | 57.66 | - | - | 74 | -16.34 | 234 | 107 | V |
| 5 | 5.45999 | 43.85 | RMS | 34.4 | -31.1 | 47.15 | 54 | -6.85 | - | - | 234 | 107 | V |
| 4 | 5.46538 | 59.47 | Pk | 34.4 | -31 | 62.87 | - | - | 68.2 | -5.33 | 234 | 107 | V |
| 8 | 5.46812 | 44.65 | RMS | 34.4 | -31 | 48.05 | - | - | - | - | 234 | 107 | V |
| 3 | 5.46999 | 55.79 | Pk | 34.4 | -31 | 59.19 | - | - | 68.2 | -9.01 | 234 | 107 | V |
| 7 | 5.46999 | 43.43 | RMS | 34.4 | -31 | 46.83 | - | - | - | - | 234 | 107 | V |

Pk - Peak detector
RMS - RMS detection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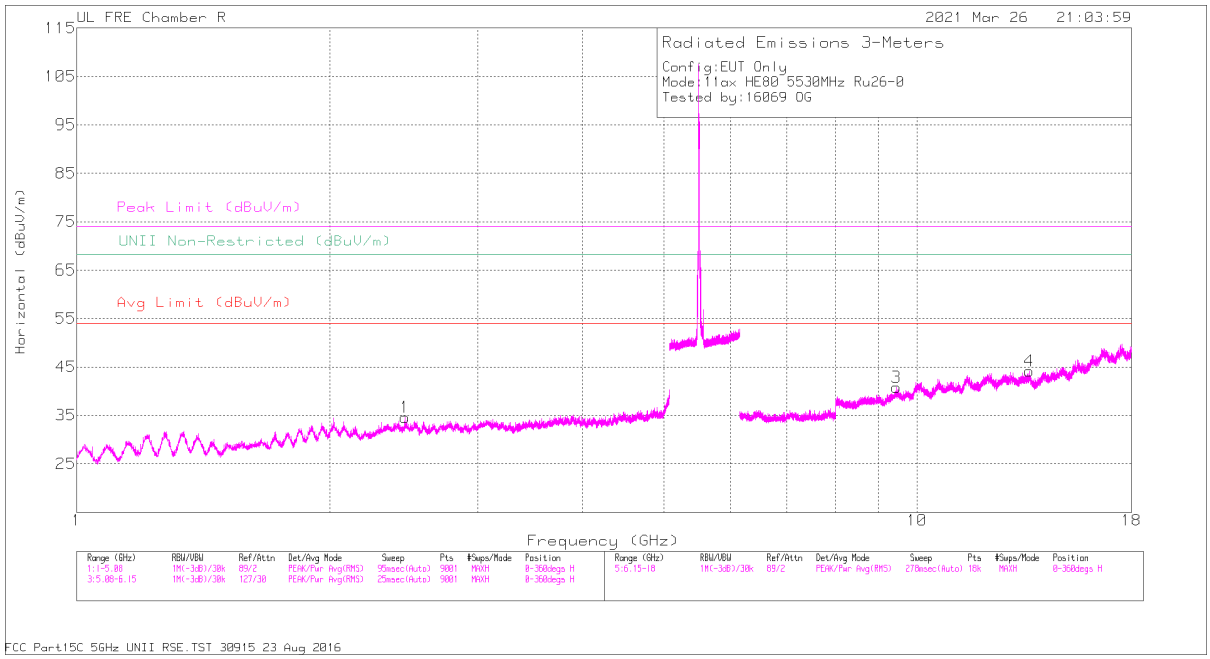
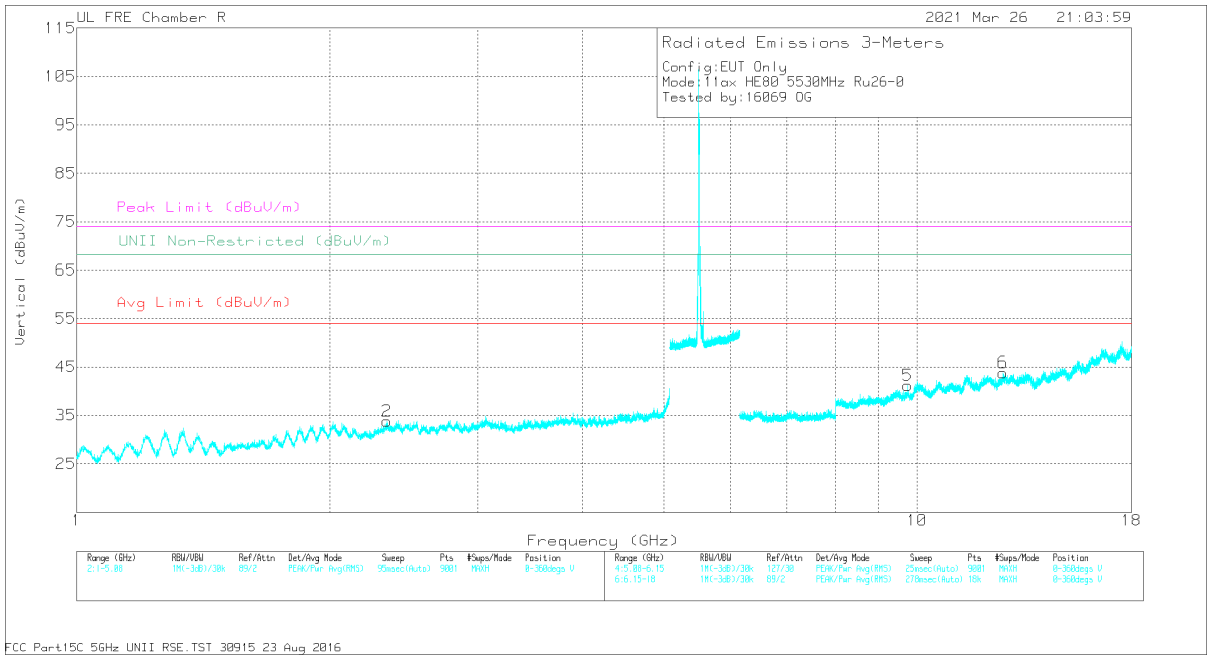
**2TX ANTENNA 6 + ANTENNA 5 OFDMA MODE – 26-Tone, RU Index 0**

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | * 2.34039 | 56.44 | PK-U | 32.2 | -45.5 | 43.14 | - | - | 74 | -30.86 | - | - | 0 | 201 | V |
| | * 2.3392 | 44.82 | ADR | 32.2 | -45.5 | 31.52 | 54 | -22.48 | - | - | - | - | 0 | 201 | V |
| 3 | * 9.4601 | 49.93 | PK-U | 36.6 | -36.5 | 50.03 | - | - | 74 | -23.97 | - | - | 0 | 100 | H |
| | * 9.45885 | 37.82 | ADR | 36.6 | -36.5 | 37.92 | 54 | -16.08 | - | - | - | - | 0 | 100 | H |
| 6 | * 12.65857 | 47.62 | PK-U | 39.2 | -33.9 | 52.92 | - | - | 74 | -21.08 | - | - | 0 | 200 | V |
| | * 12.65812 | 36.29 | ADR | 39.2 | -33.9 | 41.59 | 54 | -12.41 | - | - | - | - | 0 | 200 | V |
| 1 | 2.45742 | 55.63 | PK-U | 32.2 | -44.8 | 43.03 | - | - | - | - | 68.2 | -25.17 | 0 | 100 | H |
| 5 | 9.74071 | 49.01 | PK-U | 37.1 | -36.4 | 49.71 | - | - | - | - | 68.2 | -18.49 | 0 | 201 | V |
| 4 | 13.61077 | 48.3 | PK-U | 38.6 | -33.5 | 53.4 | - | - | - | - | 68.2 | -14.8 | 0 | 100 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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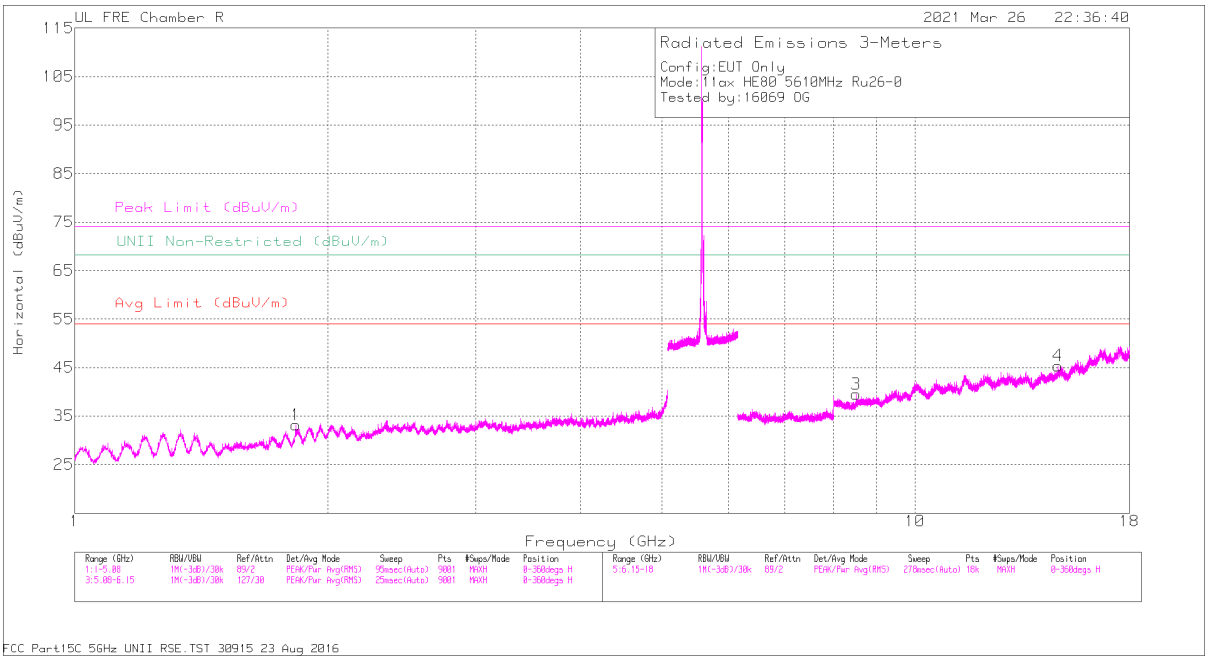
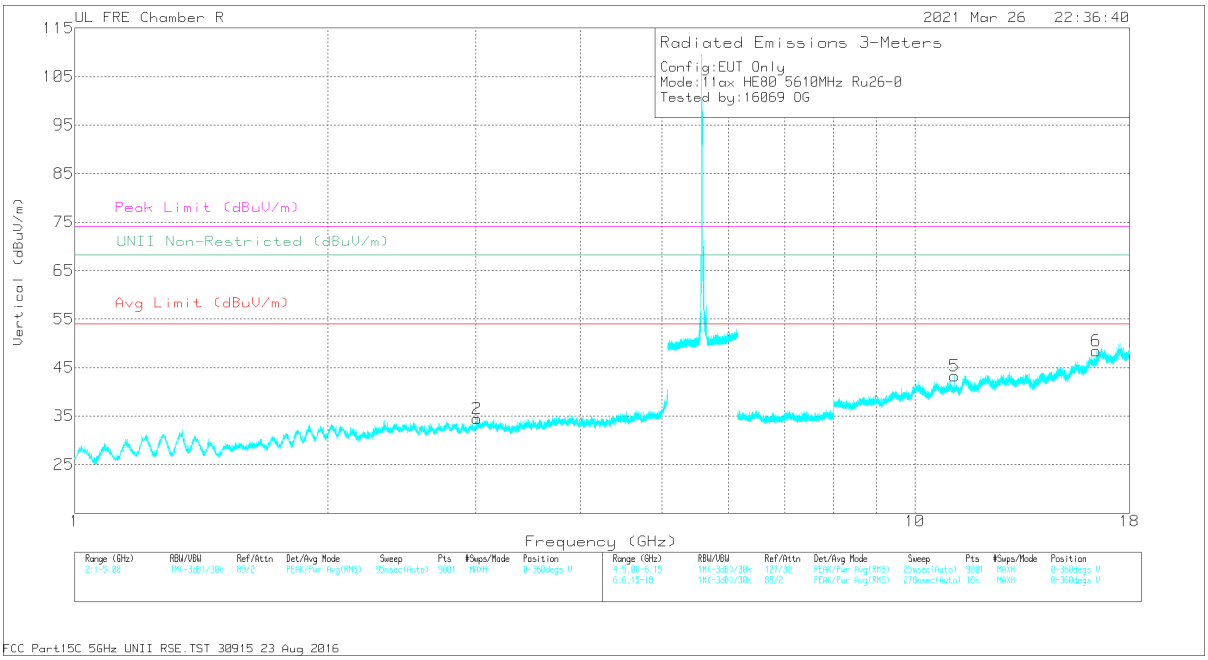
## HIGH CHANNEL RESULTS




**HORIZONTAL**

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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213973 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | * 11.14378 | 48.37 | PK-U | 38 | -35 | 51.37 | - | - | 74 | -22.63 | - | - | 0 | 201 | V |
| | * 11.14413 | 36.76 | ADR | 38 | -35 | 39.76 | 54 | -14.24 | - | - | - | - | 0 | 201 | V |
| 1 | 1.83366 | 56.64 | PK-U | 30.6 | -45.4 | 41.84 | - | - | - | - | 68.2 | -26.36 | 0 | 100 | H |
| 2 | 3.00762 | 54 | PK-U | 32.8 | -42.8 | 44 | - | - | - | - | 68.2 | -24.2 | 0 | 201 | V |
| 3 | 8.51341 | 48.83 | PK-U | 36 | -37 | 47.83 | - | - | - | - | 68.2 | -20.37 | 0 | 100 | H |
| 4 | 14.80426 | 48.7 | PK-U | 39.6 | -34.2 | 54.1 | - | - | - | - | 68.2 | -14.1 | 0 | 100 | H |
| 6 | 16.44134 | 49.22 | PK-U | 41.5 | -33.7 | 57.02 | - | - | - | - | 68.2 | -11.18 | 0 | 200 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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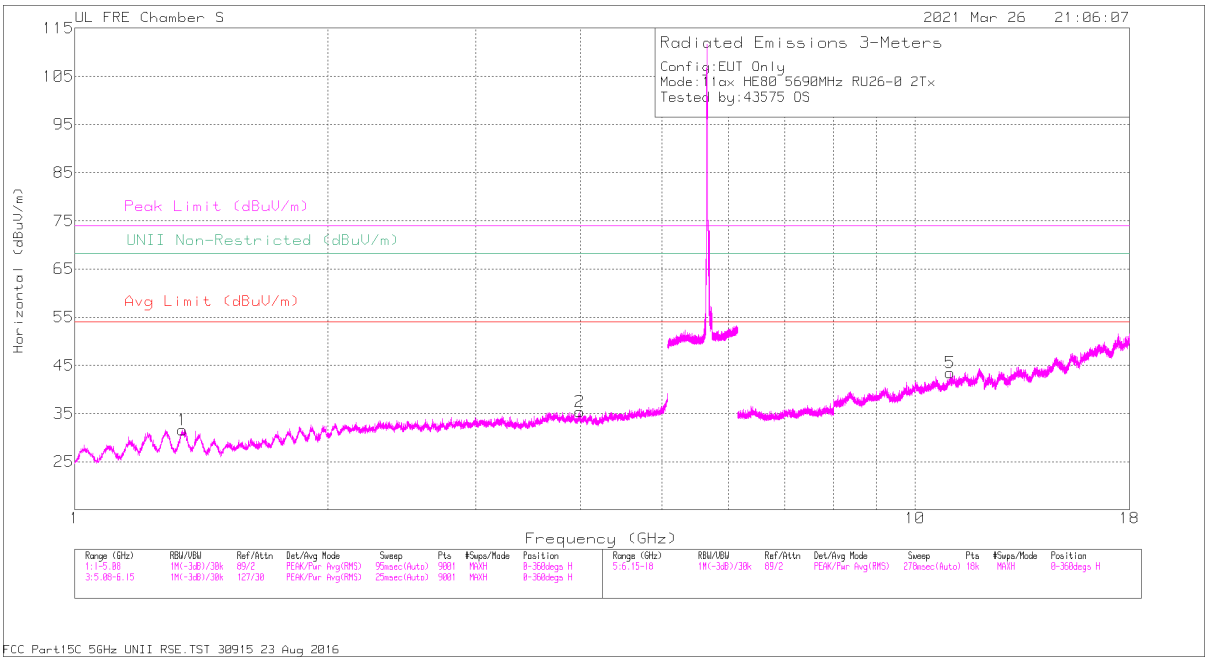
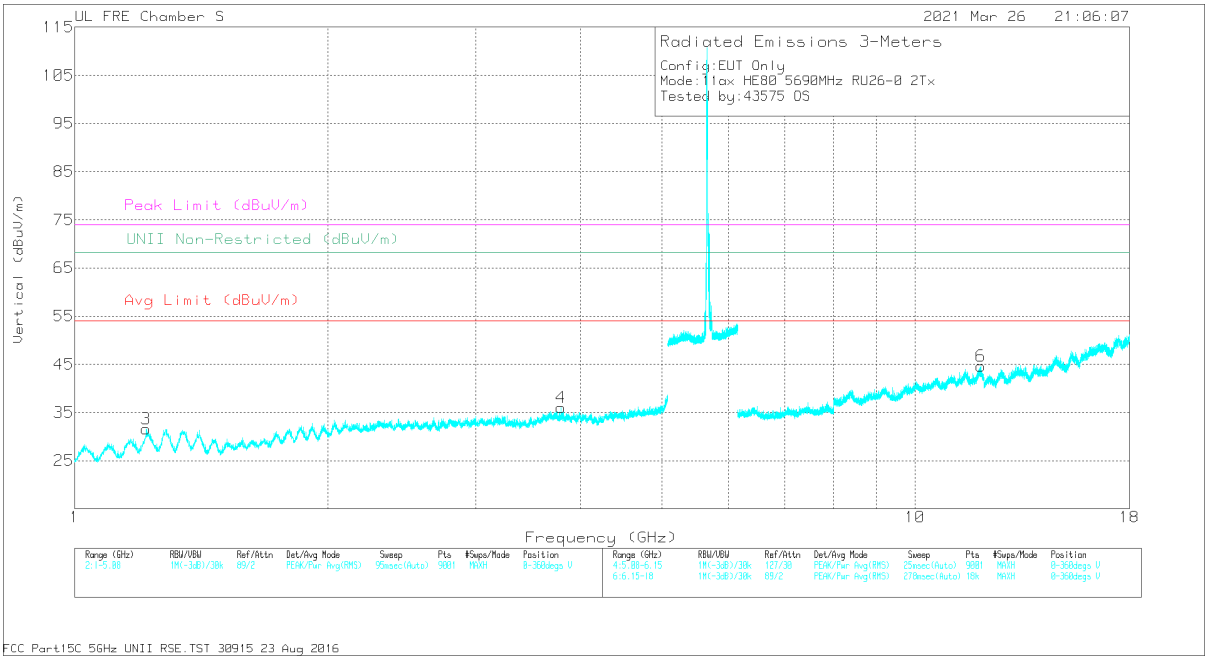
## CHANNEL 138 RESULTS




**HORIZONTAL**




**VERTICAL**



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# RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0213833 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 1.345 | 57.2 | PK-U | 29.3 | -44.9 | 41.6 | - | - | 74 | -32.4 | - | - | 0 | 100 | H |
| | * 1.34358 | 45.7 | ADR | 29.3 | -44.9 | 30.1 | 54 | -23.9 | - | - | - | - | 0 | 100 | H |
| 2 | * 3.99126 | 51.59 | PK-U | 33.7 | -40.8 | 44.49 | - | - | 74 | -29.51 | - | - | 0 | 100 | H |
| | * 3.98791 | 40.23 | ADR | 33.7 | -40.8 | 33.13 | 54 | -20.87 | - | - | - | - | 0 | 100 | H |
| 3 | * 1.21671 | 57.97 | PK-U | 28.8 | -45.6 | 41.17 | - | - | 74 | -32.83 | - | - | 0 | 201 | V |
| | * 1.21639 | 46.06 | ADR | 28.8 | -45.5 | 29.36 | 54 | -24.64 | - | - | - | - | 0 | 201 | V |
| 4 | * 3.79224 | 52.1 | PK-U | 33.4 | -40.6 | 44.9 | - | - | 74 | -29.1 | - | - | 0 | 200 | V |
| | * 3.79232 | 40.18 | ADR | 33.4 | -40.6 | 32.98 | 54 | -21.02 | - | - | - | - | 0 | 200 | V |
| 5 | * 11.01418 | 47.01 | PK-U | 37.9 | -34.5 | 50.41 | - | - | 74 | -23.59 | - | - | 0 | 100 | H |
| | * 11.01454 | 35.47 | ADR | 37.9 | -34.5 | 38.87 | 54 | -15.13 | - | - | - | - | 0 | 100 | H |
| 6 | * 11.98271 | 46.49 | PK-U | 38.8 | -33.9 | 51.39 | - | - | 74 | -22.61 | - | - | 0 | 201 | V |
| | * 11.98055 | 34.55 | ADR | 38.8 | -33.9 | 39.45 | 54 | -14.55 | - | - | - | - | 0 | 201 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average



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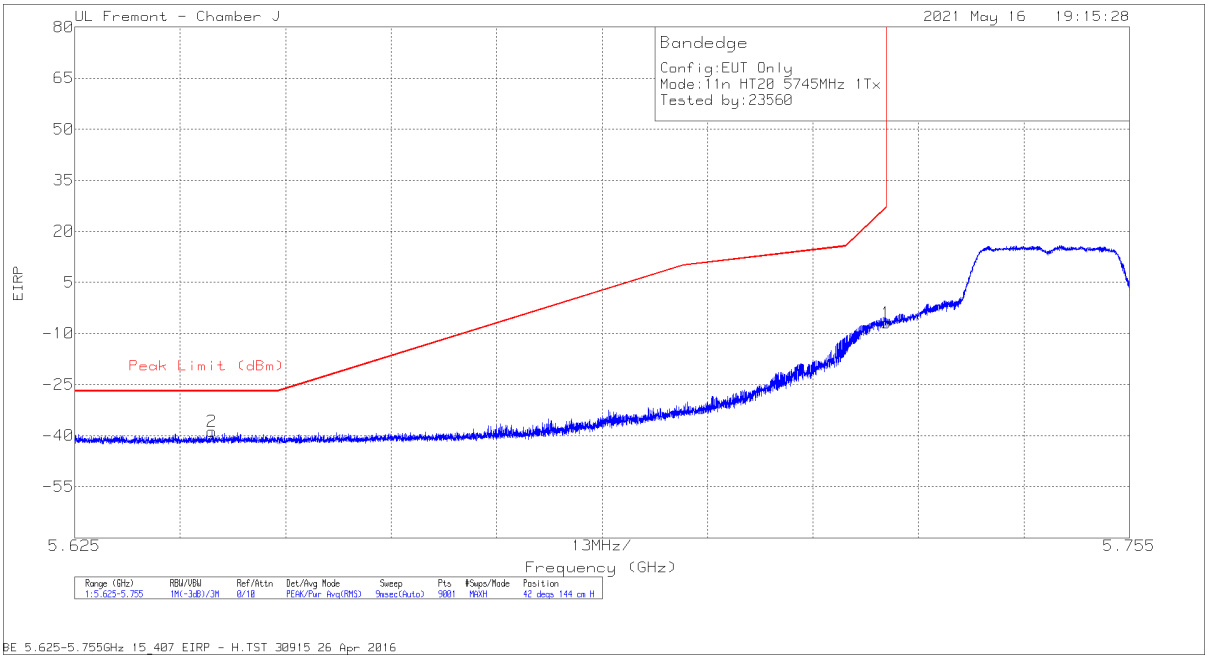
## 1.1.19. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

**1TX ANTENNA 6**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.725 | -33.73 | Pk | 35 | -19.9 | 11.8 | -6.83 | 26.99 | -33.82 | 42 | 144 | H |
| 2 | 5.6419 | -65.59 | Pk | 35 | -20 | 11.8 | -38.79 | -27 | -11.79 | 42 | 144 | H |

Pk - Peak detector

### VERTICAL RESULT



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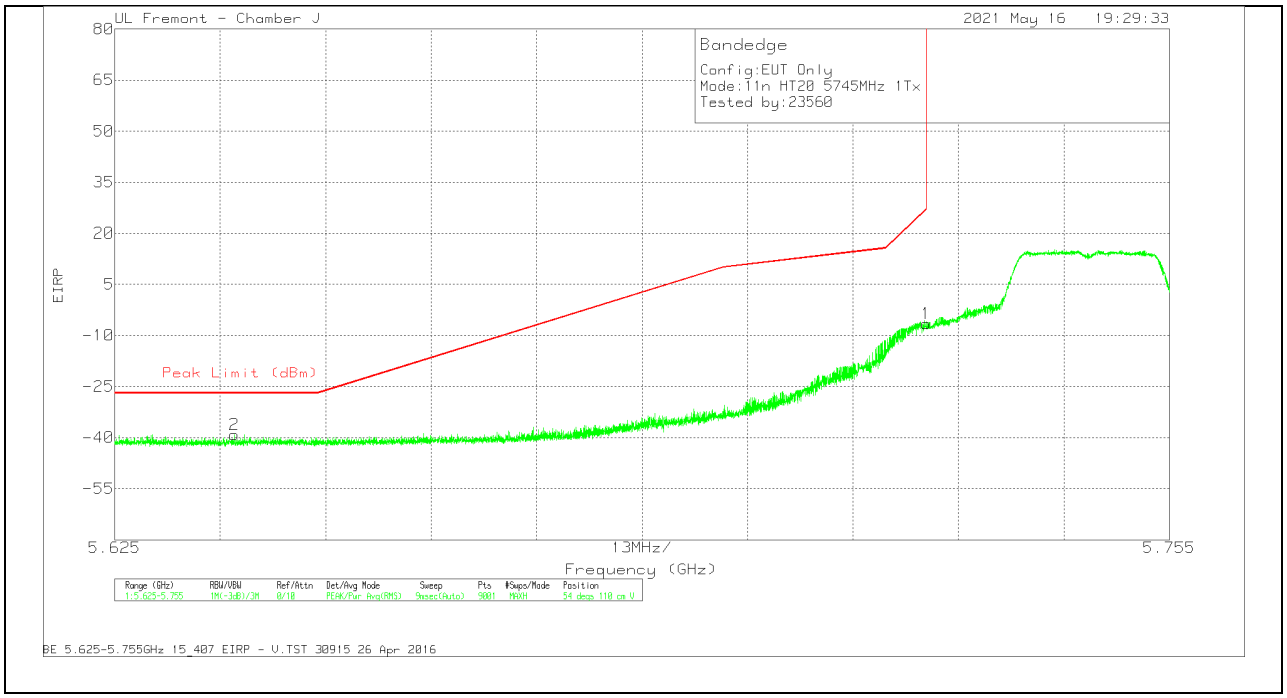


| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.725 | -33.35 | Pk | 35 | -19.9 | 11.8 | -6.45 | 26.99 | -33.44 | 54 | 110 | V |
| 2 | 5.63973 | -65.81 | Pk | 34.9 | -20 | 11.8 | -39.11 | -27 | -12.11 | 54 | 110 | V |

Pk - Peak detector



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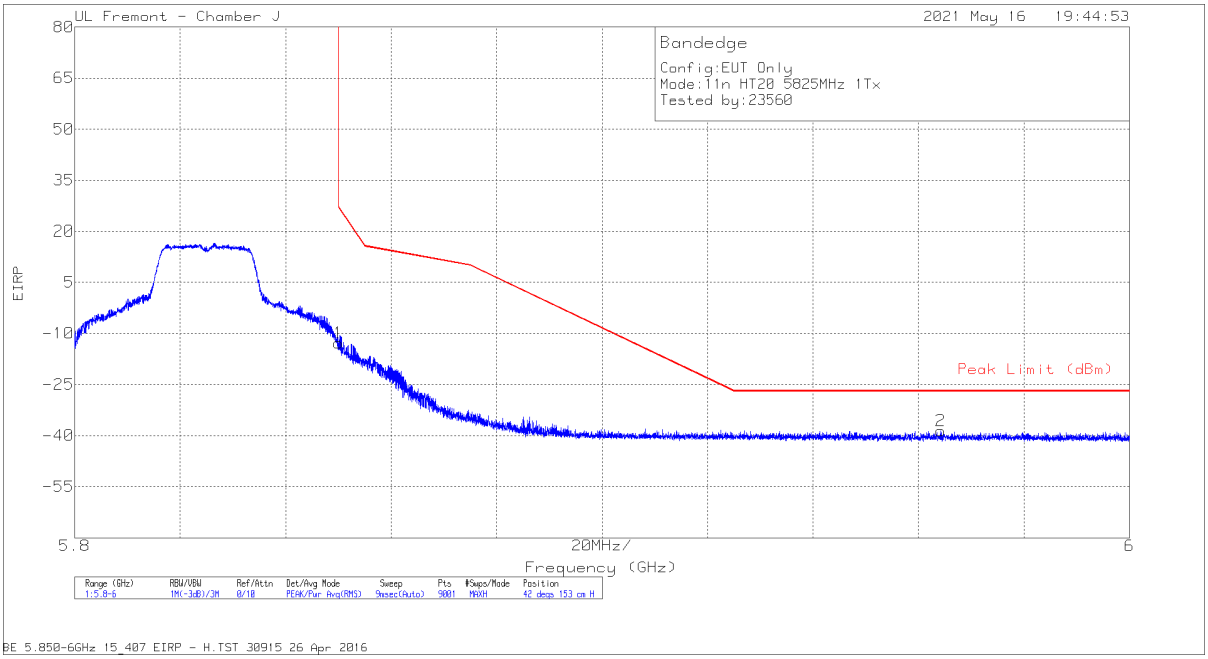
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.85002 | -40.32 | Pk | 35.2 | -19.4 | 11.8 | -12.72 | 26.95 | -39.67 | 42 | 153 | H |
| 2 | 5.96418 | -66.47 | Pk | 35.4 | -19.3 | 11.8 | -38.57 | -27 | -11.57 | 42 | 153 | H |

Pk - Peak detector



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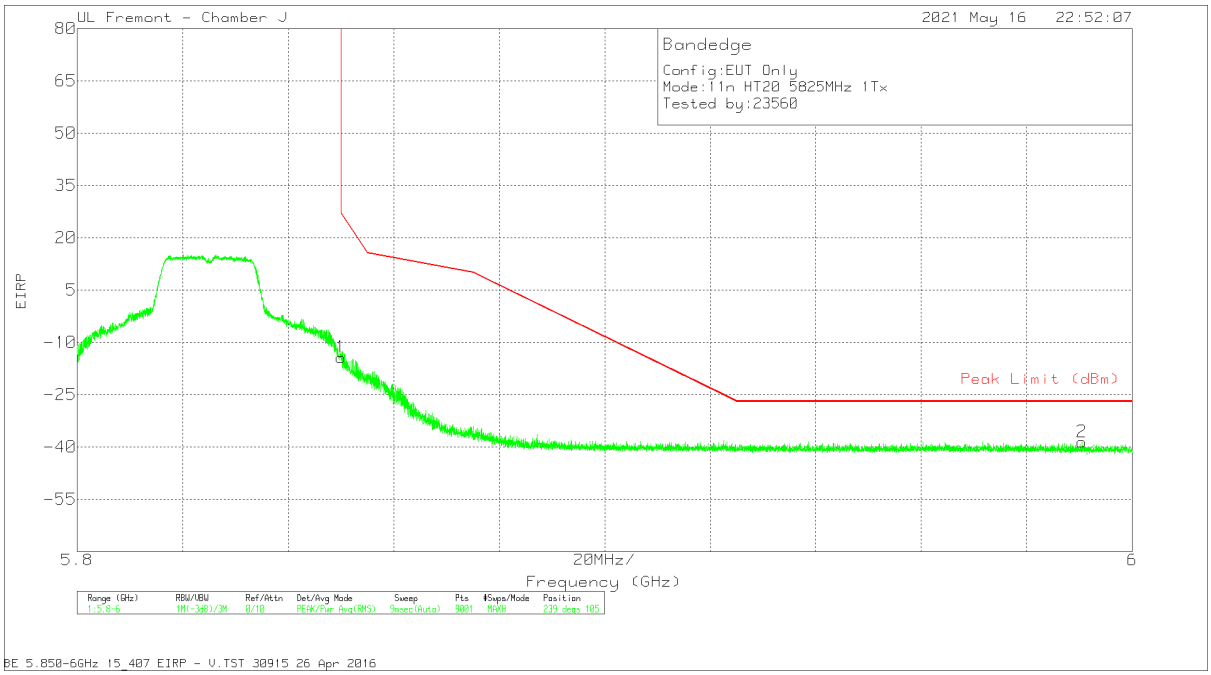
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.85002 | -41.87 | Pk | 35.2 | -19.4 | 11.8 | -14.27 | 26.95 | -41.22 | 239 | 105 | V |
| 2 | 5.99044 | -66.54 | Pk | 35.3 | -19.1 | 11.8 | -38.54 | -27 | -11.54 | 239 | 105 | V |

Pk - Peak detector



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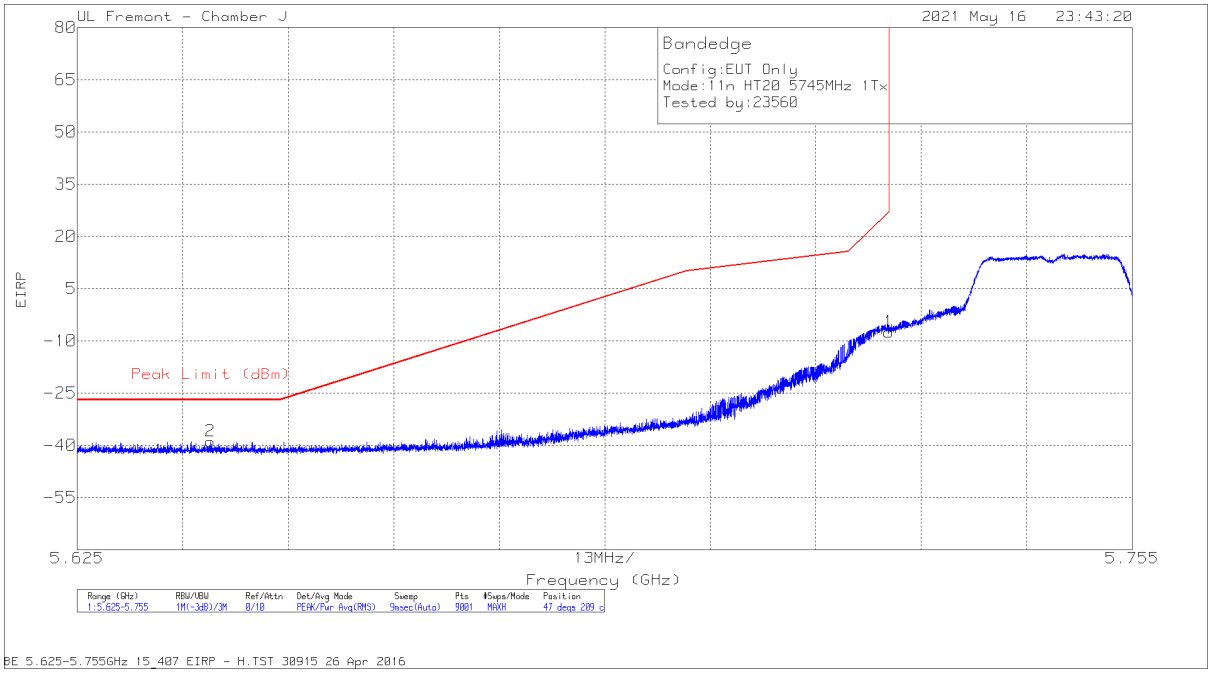
**1TX ANTENNA 5**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.725 | -34.31 | Pk | 35 | -19.9 | 11.8 | -7.41 | 26.99 | -34.4 | 47 | 209 | H |
| 2 | 5.64138 | -65.65 | Pk | 35 | -20 | 11.8 | -38.85 | -27 | -11.85 | 47 | 209 | H |

Pk - Peak detector



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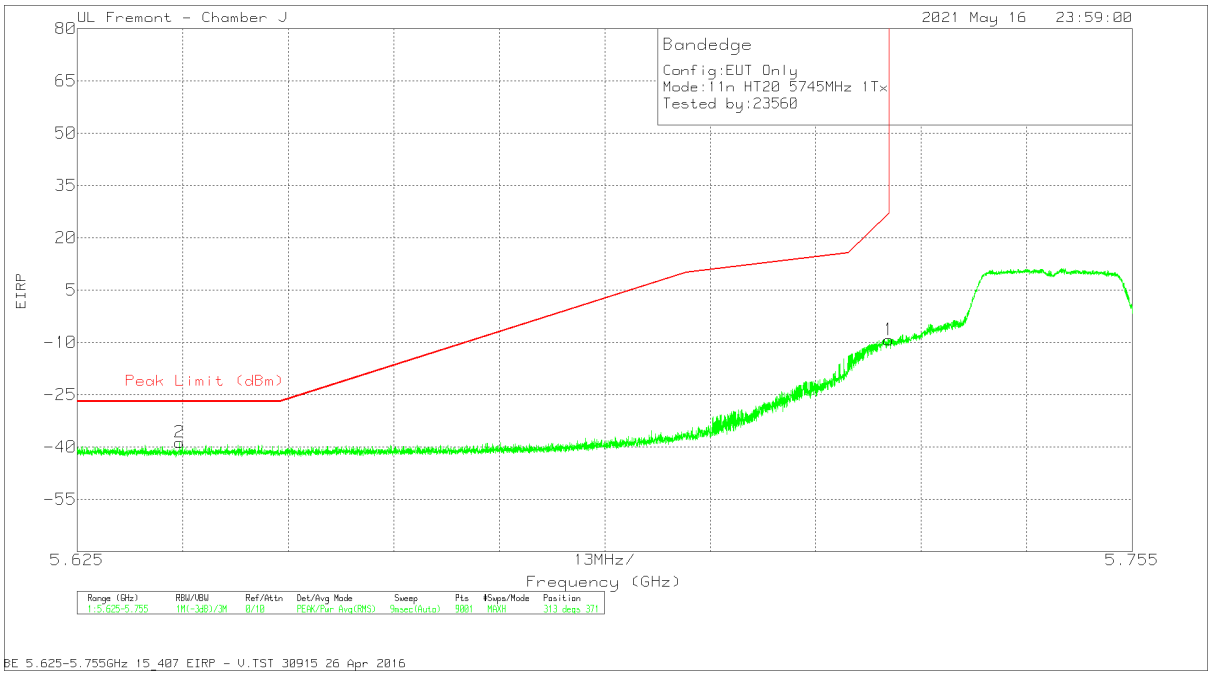
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.725 | -36.18 | Pk | 35 | -19.9 | 11.8 | -9.28 | 26.99 | -36.27 | 313 | 371 | V |
| 2 | 5.6376 | -65.37 | Pk | 34.9 | -20 | 11.8 | -38.67 | -27 | -11.67 | 313 | 371 | V |

Pk - Peak detector



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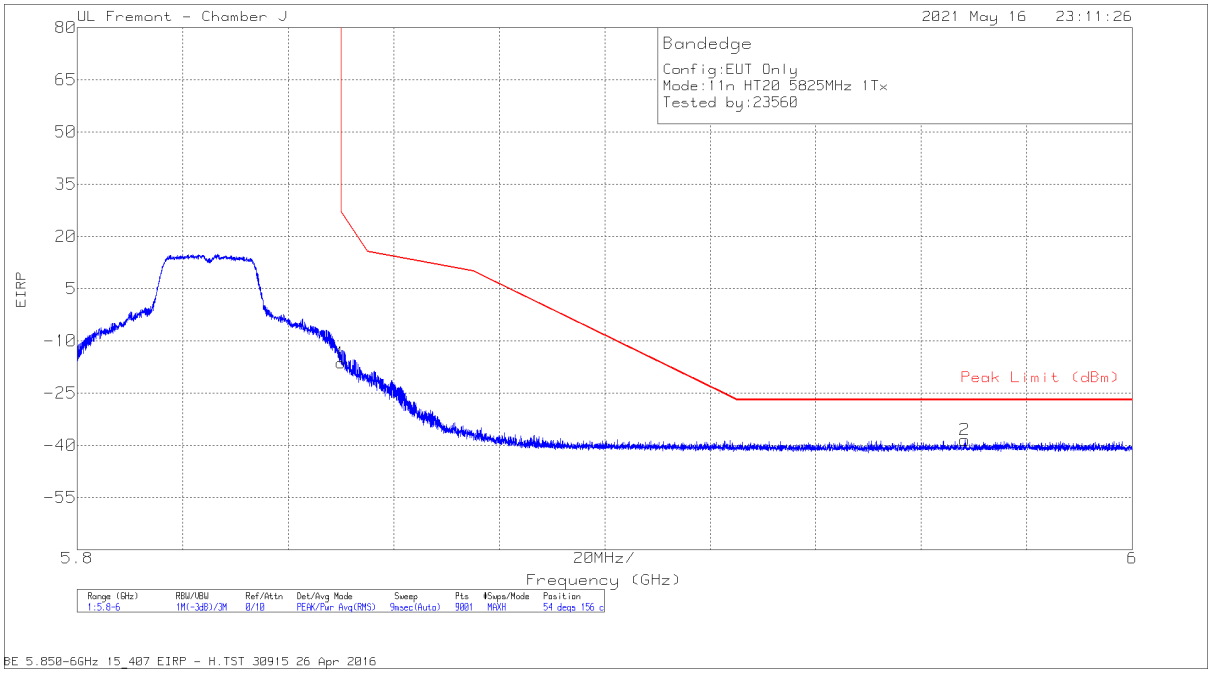
## BANDEDGE (HIGH CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.85002 | -43.96 | Pk | 35.2 | -19.4 | 11.8 | -16.36 | 26.95 | -43.31 | 54 | 156 | H |
| 2 | 5.96824 | -66.36 | Pk | 35.3 | -19.2 | 11.8 | -38.46 | -27 | -11.46 | 54 | 156 | H |

Pk - Peak detector



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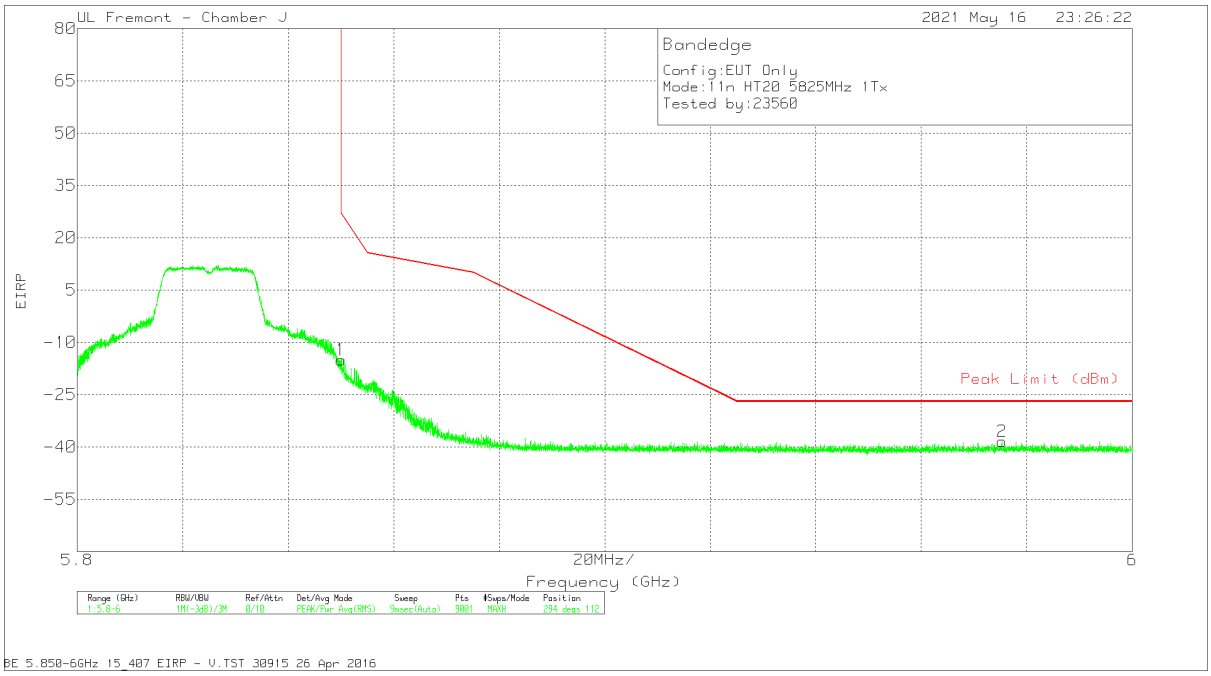
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF PRE0100034 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.85002 | -42.63 | Pk | 35.2 | -19.4 | 11.8 | -15.03 | 26.95 | -41.98 | 294 | 112 | V |
| 2 | 5.97529 | -66.43 | Pk | 35.4 | -19.2 | 11.8 | -38.43 | -27 | -11.43 | 294 | 112 | V |

Pk - Peak detector



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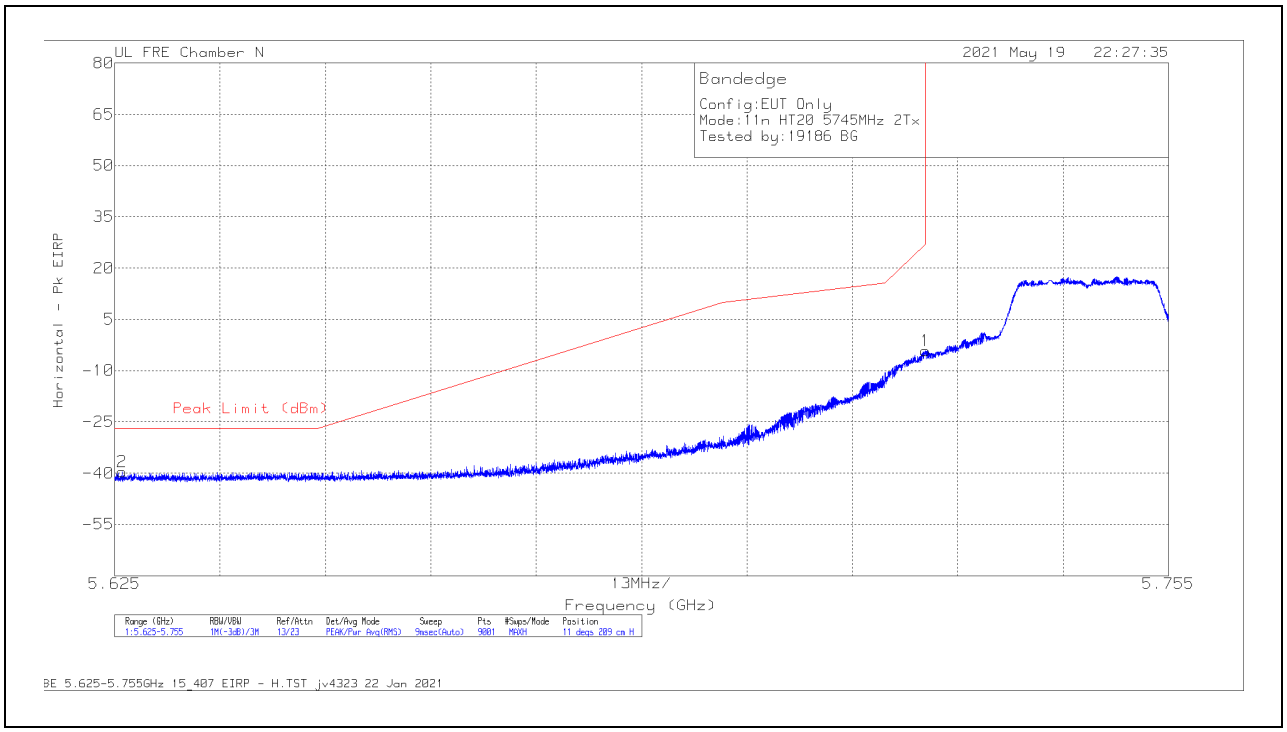
**2TX ANTENNA 6 + ANTENNA 5 CDD MODE**

## BANDEDGE (LOW CHANNEL)

### HORIZONTAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.62588 | -53.19 | Pk | 34.6 | -32.8 | 11.8 | -39.59 | -27 | -12.59 | 11 | 209 | H |
| 1 | 5.725 | -17.91 | Pk | 34.6 | -32.7 | 11.8 | -4.21 | 26.99 | -31.2 | 11 | 209 | H |

Pk - Peak detector



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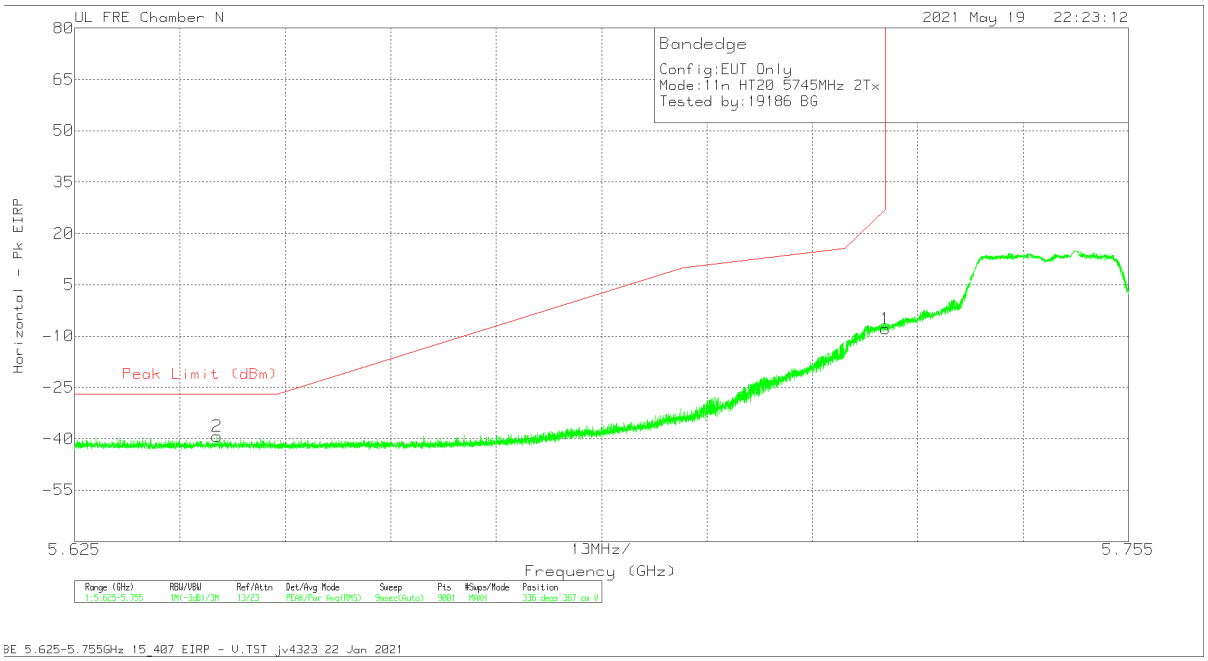
# VERTICAL RESULT




| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF PRE0213971 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.64256 | -52.98 | Pk | 34.7 | -32.8 | 11.8 | -39.28 | -27 | -12.28 | 336 | 367 | V |
| 1 | 5.725 | -21.56 | Pk | 34.6 | -32.7 | 11.8 | -7.86 | 26.99 | -34.85 | 336 | 367 | V |

Pk - Peak detector



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