## RADIATED EMISSIONS

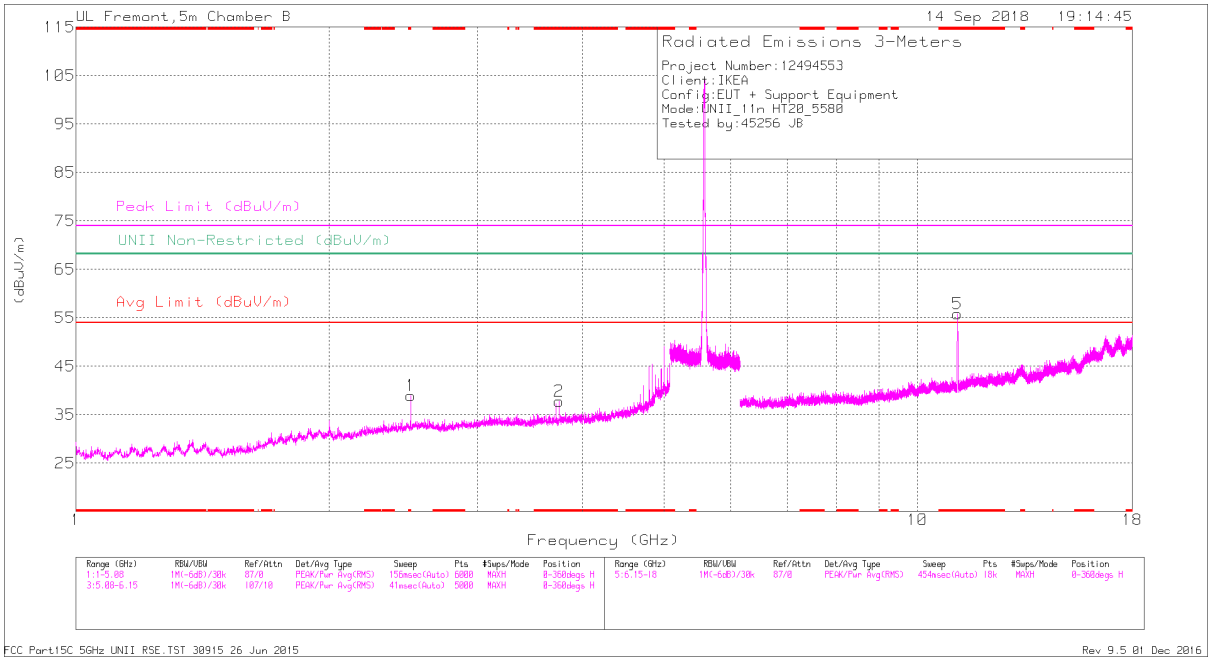
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | * 2.49 | 39.65 | PK-U | 32.7 | -32.4 | 0 | 39.95 | - | - | 74 | -34.05 | - | - | 49 | 203 | H |
| | * 2.499 | 27.35 | ADR | 32.7 | -32.1 | .1 | 28.05 | 54 | -25.95 | - | - | - | - | 49 | 203 | H |
| 5 | * 11.003 | 47.15 | PK-U | 37.9 | -22 | 0 | 63.05 | - | - | 74 | -10.95 | - | - | 103 | 104 | H |
| | * 11.002 | 34.35 | ADR | 37.9 | -22 | .1 | 50.35 | 54 | -3.65 | - | - | - | - | 103 | 104 | H |
| 6 | * 11.003 | 47.79 | PK-U | 37.9 | -22 | 0 | 63.69 | - | - | 74 | -10.31 | - | - | 170 | 188 | V |
| | * 11.002 | 35.43 | ADR | 37.9 | -22 | .1 | 51.43 | 54 | -2.57 | - | - | - | - | 170 | 188 | V |
| 1 | * 2.5 | 44.45 | PK-U | 32.7 | -32.1 | 0 | 45.05 | - | - | 74 | -28.95 | - | - | 100 | 173 | V |
| | * 2.5 | 39.83 | ADR | 32.7 | -32.1 | .1 | 40.53 | 54 | -13.47 | - | - | - | - | 100 | 173 | V |
| 2 | 3.131 | 32.21 | PK-U | 33.2 | -31.7 | 0 | 33.71 | - | - | - | - | 68.2 | -34.49 | 112 | 185 | H |
| 4 | 3.178 | 32.18 | PK-U | 33.1 | -31.1 | 0 | 34.18 | - | - | - | - | 68.2 | -34.02 | 215 | 206 | 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

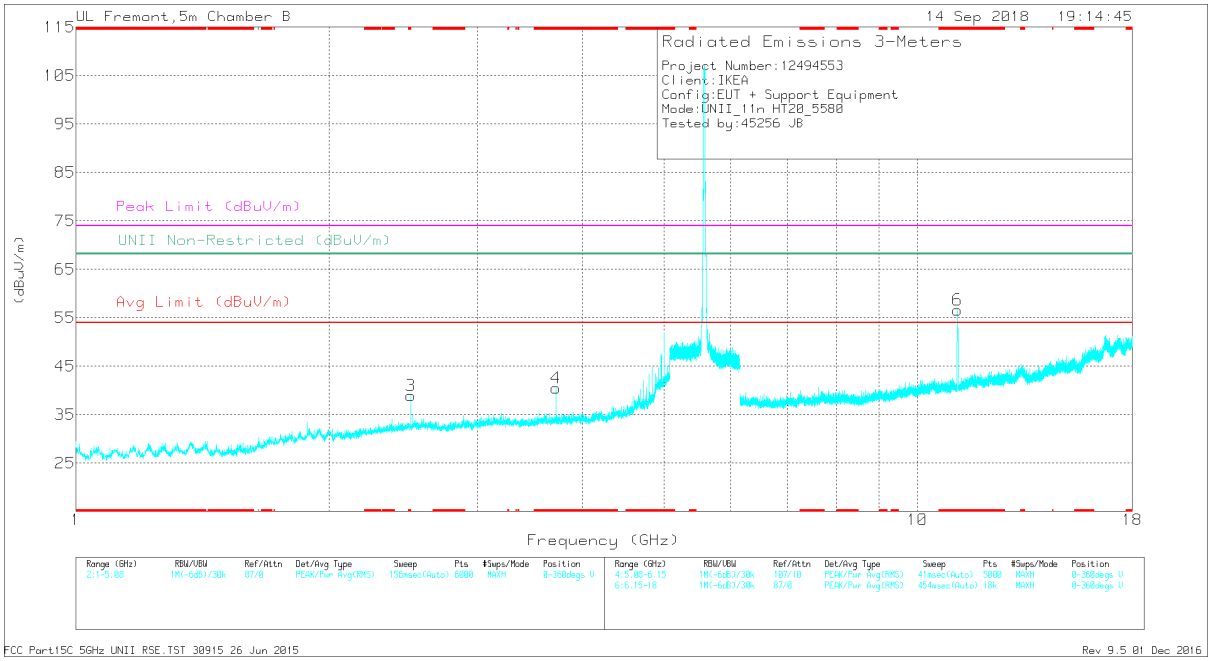


UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## MID CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## RADIATED EMISSIONS

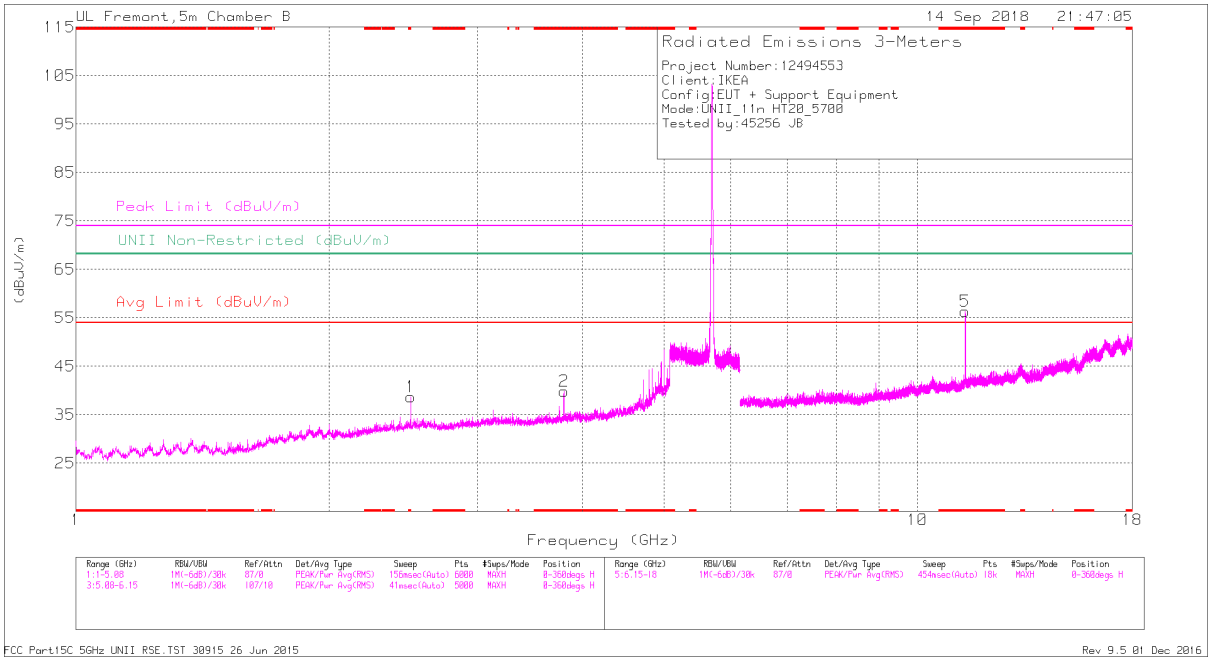
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 2.5 | 43.05 | PK-U | 32.7 | -32.1 | 0 | 43.65 | - | - | 74 | -30.35 | - | - | 52 | 203 | H |
| | * 2.5 | 36.87 | ADR | 32.7 | -32.1 | .1 | 37.57 | 54 | -16.43 | - | - | - | - | 52 | 203 | H |
| 2 | * 3.75 | 41.44 | PK-U | 33.3 | -30.9 | 0 | 43.84 | - | - | 74 | -30.16 | - | - | 197 | 186 | H |
| | * 3.75 | 33.07 | ADR | 33.3 | -30.9 | .1 | 35.57 | 54 | -18.43 | - | - | - | - | 197 | 186 | H |
| 3 | * 2.5 | 45.36 | PK-U | 32.7 | -32.1 | 0 | 45.96 | - | - | 74 | -28.04 | - | - | 103 | 173 | V |
| | * 2.5 | 40.11 | ADR | 32.7 | -32.1 | .1 | 40.81 | 54 | -13.19 | - | - | - | - | 103 | 173 | V |
| 4 | * 3.72 | 44.46 | PK-U | 33.3 | -31.1 | 0 | 46.66 | - | - | 74 | -27.34 | - | - | 291 | 168 | V |
| | * 3.72 | 38.68 | ADR | 33.3 | -31.1 | .1 | 40.98 | 54 | -13.02 | - | - | - | - | 291 | 168 | V |
| 5 | * 11.159 | 47.43 | PK-U | 37.9 | -23.1 | 0 | 62.23 | - | - | 74 | -11.77 | - | - | 185 | 293 | H |
| | * 11.159 | 34.94 | ADR | 37.9 | -23.1 | .1 | 49.84 | 54 | -4.16 | - | - | - | - | 185 | 293 | H |
| 6 | * 11.158 | 50.82 | PK-U | 37.9 | -23.1 | 0 | 65.62 | - | - | 74 | -8.38 | - | - | 250 | 212 | V |
| | * 11.157 | 38.21 | ADR | 37.9 | -23.1 | .1 | 53.11 | 54 | -.89 | - | - | - | - | 250 | 212 | 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

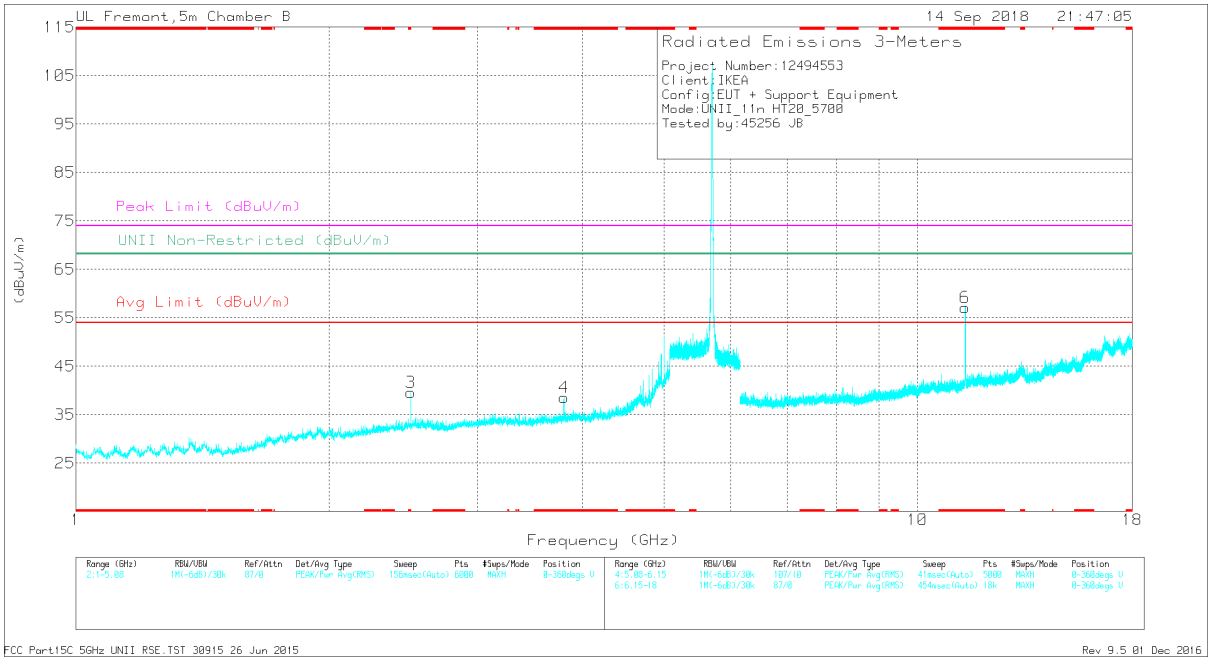


UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## HIGH CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (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 | * 2.5 | 43.1 | PK-U | 32.7 | -32.1 | 0 | 43.7 | - | - | 74 | -30.3 | - | - | 51 | 203 | H |
| | * 2.5 | 36.26 | ADR | 32.7 | -32.1 | .1 | 36.96 | 54 | -17.04 | - | - | - | - | 51 | 203 | H |
| 2 | * 3.8 | 43.12 | PK-U | 33.4 | -30.8 | 0 | 45.72 | - | - | 74 | -28.28 | - | - | 177 | 206 | H |
| | * 3.8 | 36.93 | ADR | 33.4 | -30.8 | .1 | 39.63 | 54 | -14.37 | - | - | - | - | 177 | 206 | H |
| 4 | * 3.8 | 42.27 | PK-U | 33.4 | -30.8 | 0 | 44.87 | - | - | 74 | -29.13 | - | - | 267 | 232 | V |
| | * 3.8 | 35 | ADR | 33.4 | -30.8 | .1 | 37.7 | 54 | -16.3 | - | - | - | - | 267 | 232 | V |
| 5 | * 11.393 | 50.53 | PK-U | 38.4 | -22.9 | 0 | 66.03 | - | - | 74 | -7.97 | - | - | 226 | 128 | H |
| | * 11.394 | 37.45 | ADR | 38.4 | -22.9 | .1 | 53.05 | 54 | -.95 | - | - | - | - | 226 | 128 | H |
| 6 | * 11.395 | 51.82 | PK-U | 38.4 | -22.9 | 0 | 67.32 | - | - | 74 | -6.68 | - | - | 318 | 262 | V |
| | * 11.396 | 38.18 | ADR | 38.4 | -22.9 | .1 | 53.78 | 54 | -.22 | - | - | - | - | 318 | 262 | V |
| 3 | * 2.5 | 45.18 | PK-U | 32.7 | -32.1 | 0 | 45.78 | - | - | 74 | -28.22 | - | - | 103 | 168 | V |
| | * 2.5 | 40.39 | ADR | 32.7 | -32.1 | .1 | 41.09 | 54 | -12.91 | - | - | - | - | 103 | 168 | 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

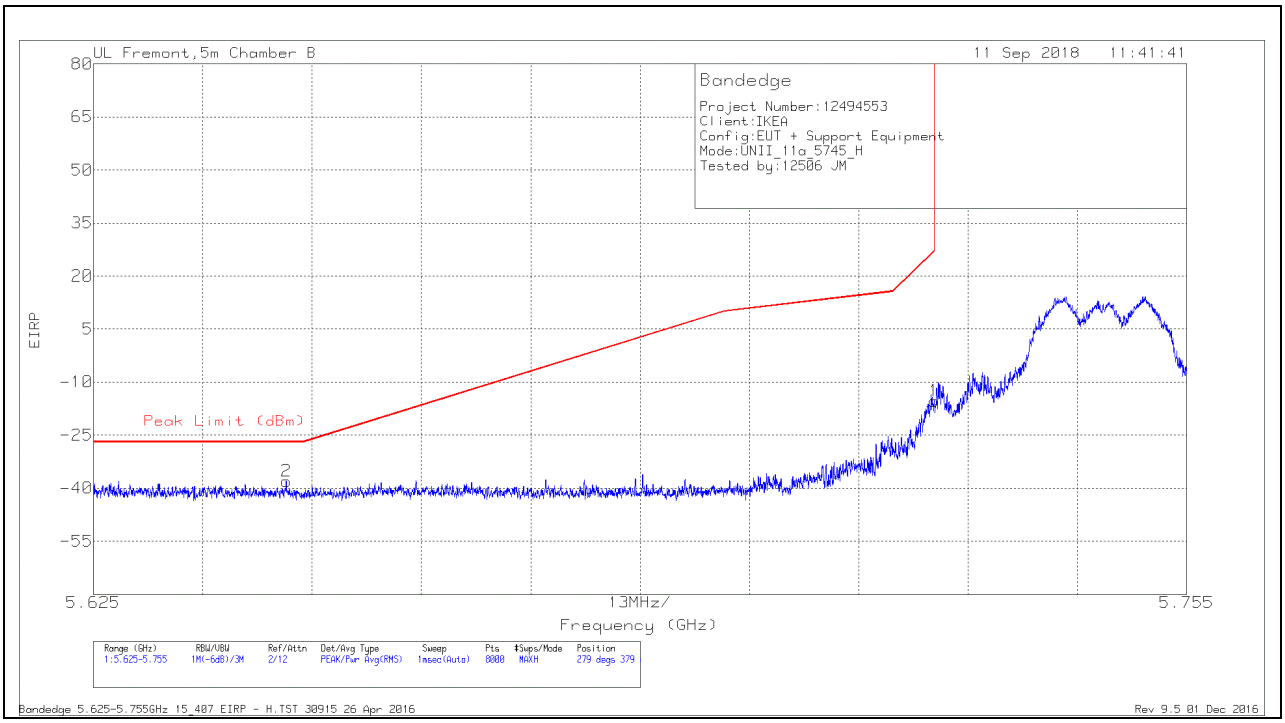


UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## 9.1.7. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

## BANDEDGE (LOW CHANNEL)

## HORIZONTAL RESULT




Trace Markers

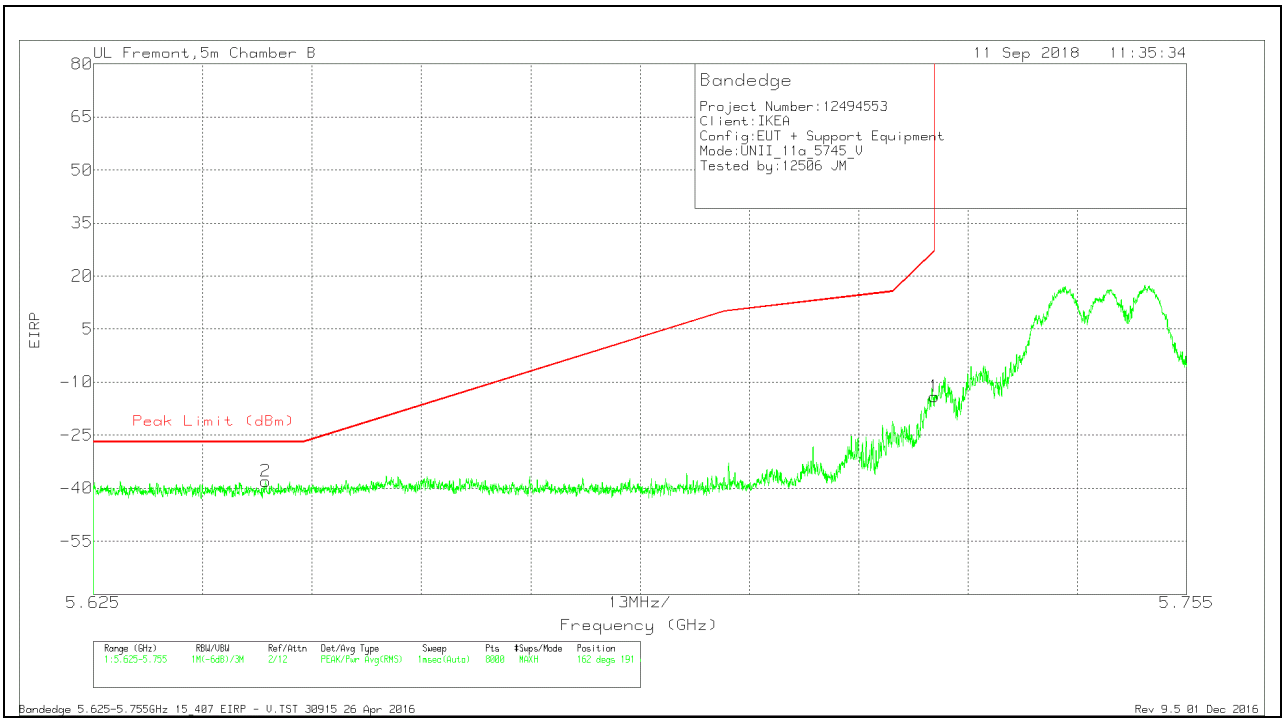
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.648 | -66.25 | Pk | 35.5 | -19 | 11.8 | -37.95 | -27 | -10.95 | 279 | 379 | H |
| 1 | 5.725 | -43.22 | Pk | 35.5 | -19.4 | 11.8 | -15.32 | 27 | -42.32 | 279 | 379 | H |

Pk - Peak detector




*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## VERTICAL RESULT




## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (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 | 5.645 | -65.98 | Pk | 35.5 | -19.3 | 11.8 | -37.98 | -27 | -10.98 | 162 | 191 | V |
| 1 | 5.725 | -42.07 | Pk | 35.5 | -19.4 | 11.8 | -14.17 | 27 | -41.17 | 162 | 191 | V |

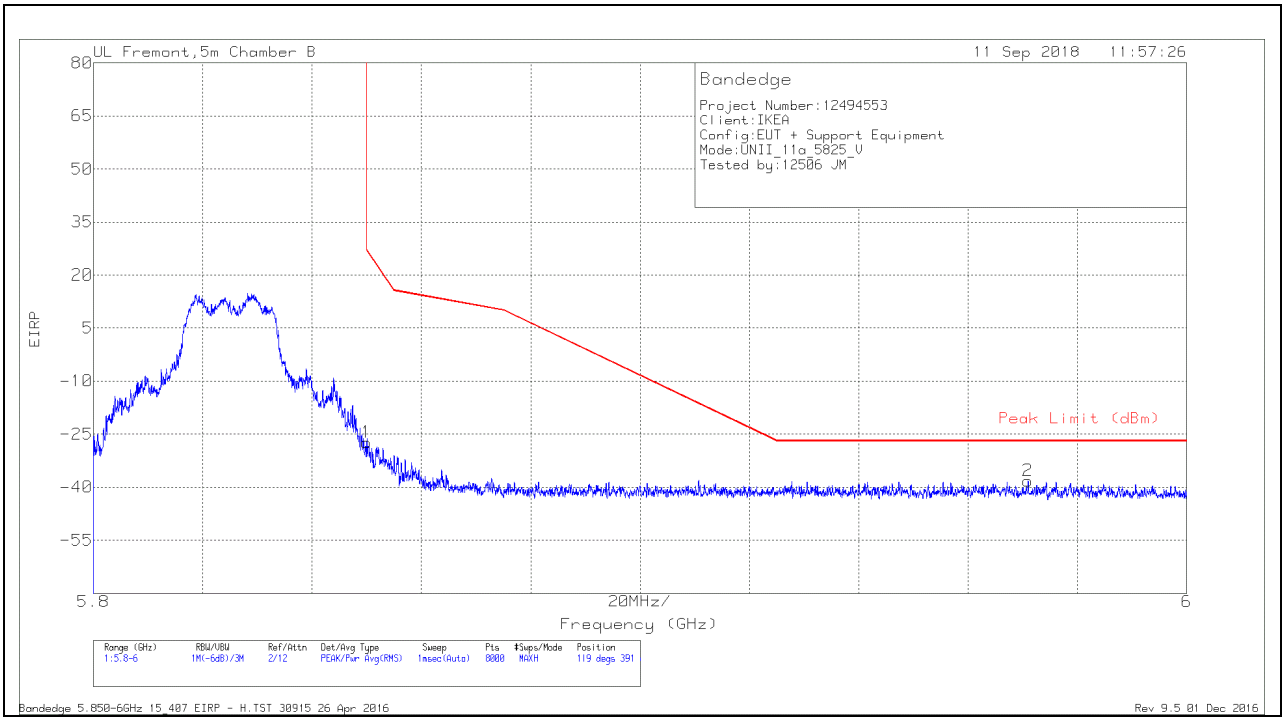
Pk - Peak detector



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

# BANDEDGE (HIGH CHANNEL)

## HORIZONTAL RESULT




Trace Markers

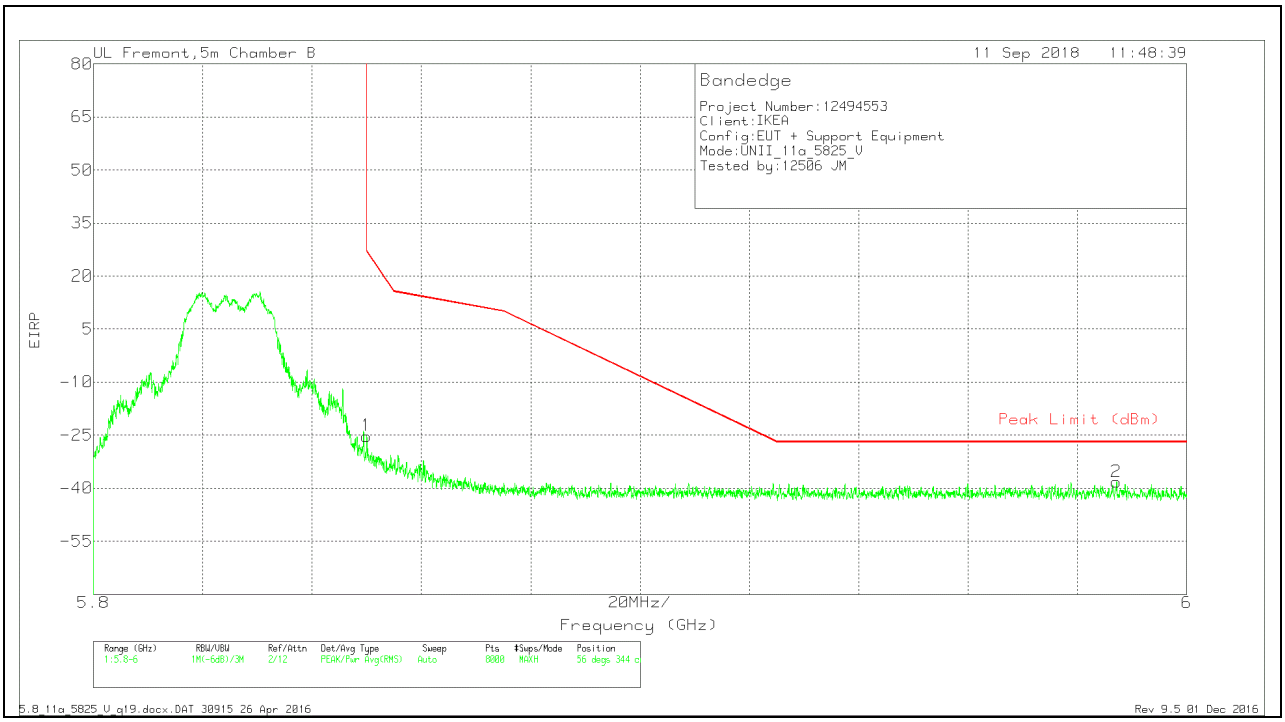
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.85 | -55.49 | Pk | 35.4 | -19.1 | 11.8 | -27.39 | 26.99 | -54.38 | 119 | 391 | H |
| 2 | 5.971 | -67.08 | Pk | 35.4 | -18.4 | 11.8 | -38.28 | -27 | -11.28 | 119 | 391 | H |

Pk - Peak detector




*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## VERTICAL RESULT




## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (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 | 5.85 | -53.33 | Pk | 35.4 | -19.1 | 11.8 | -25.23 | 26.99 | -52.22 | 56 | 344 | V |
| 2 | 5.987 | -66.9 | Pk | 35.4 | -18.6 | 11.8 | -38.3 | -27 | -11.3 | 56 | 344 | V |

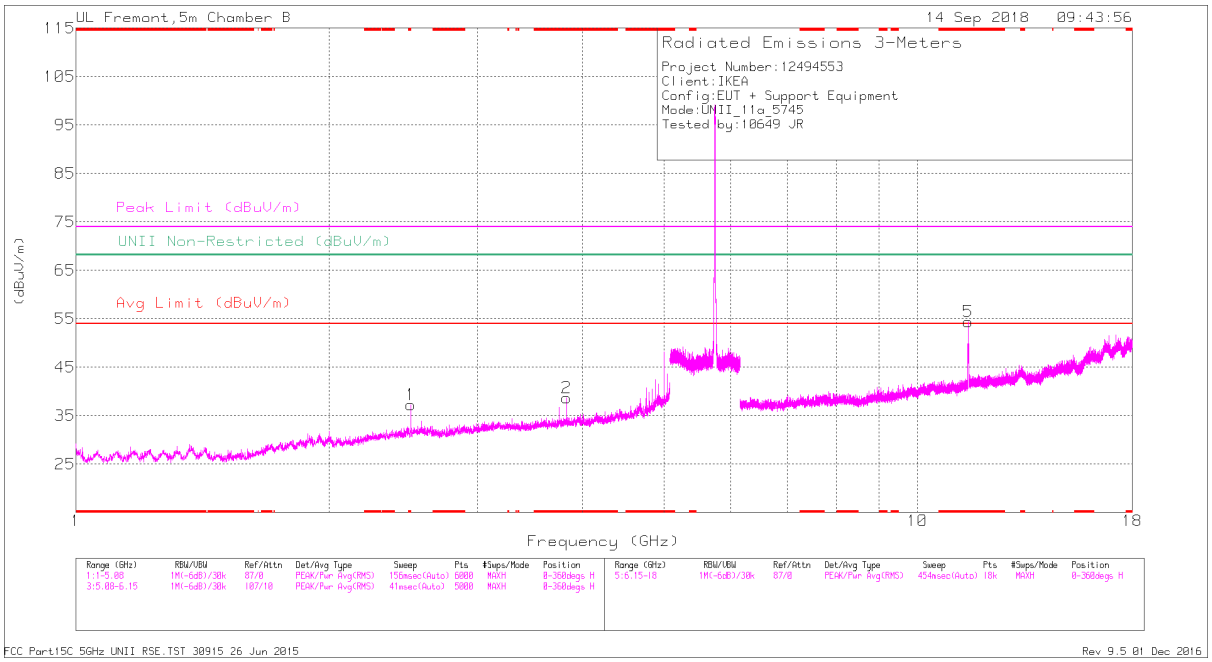
Pk - Peak detector



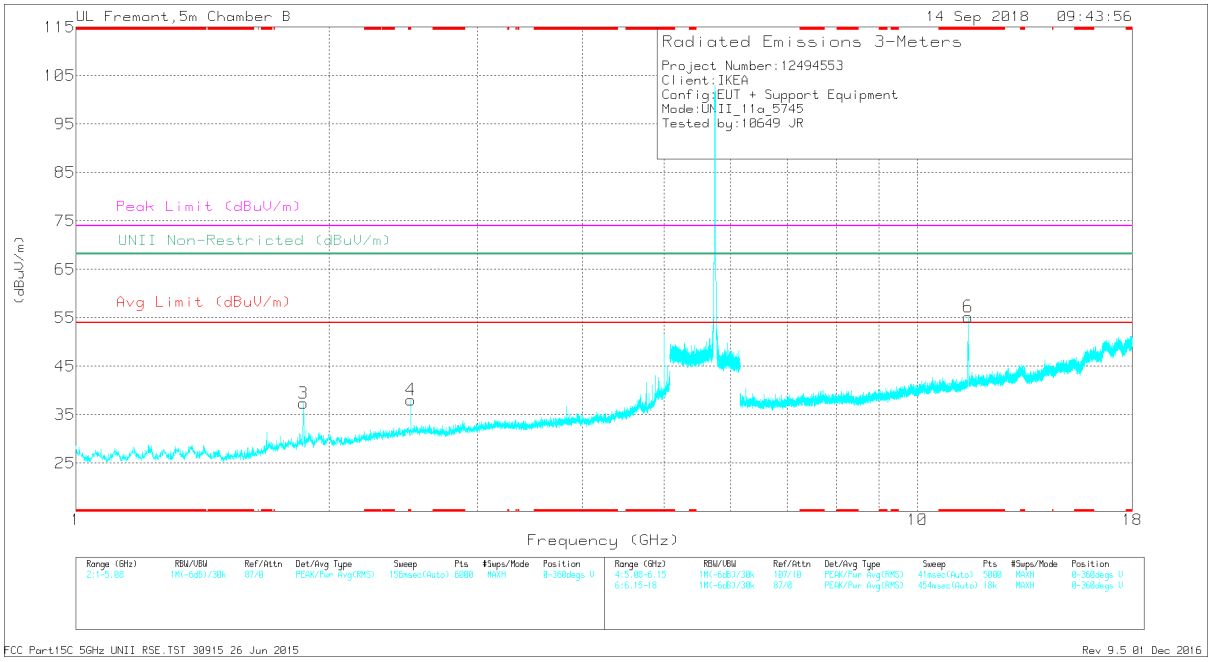
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**




*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## RADIATED EMISSIONS

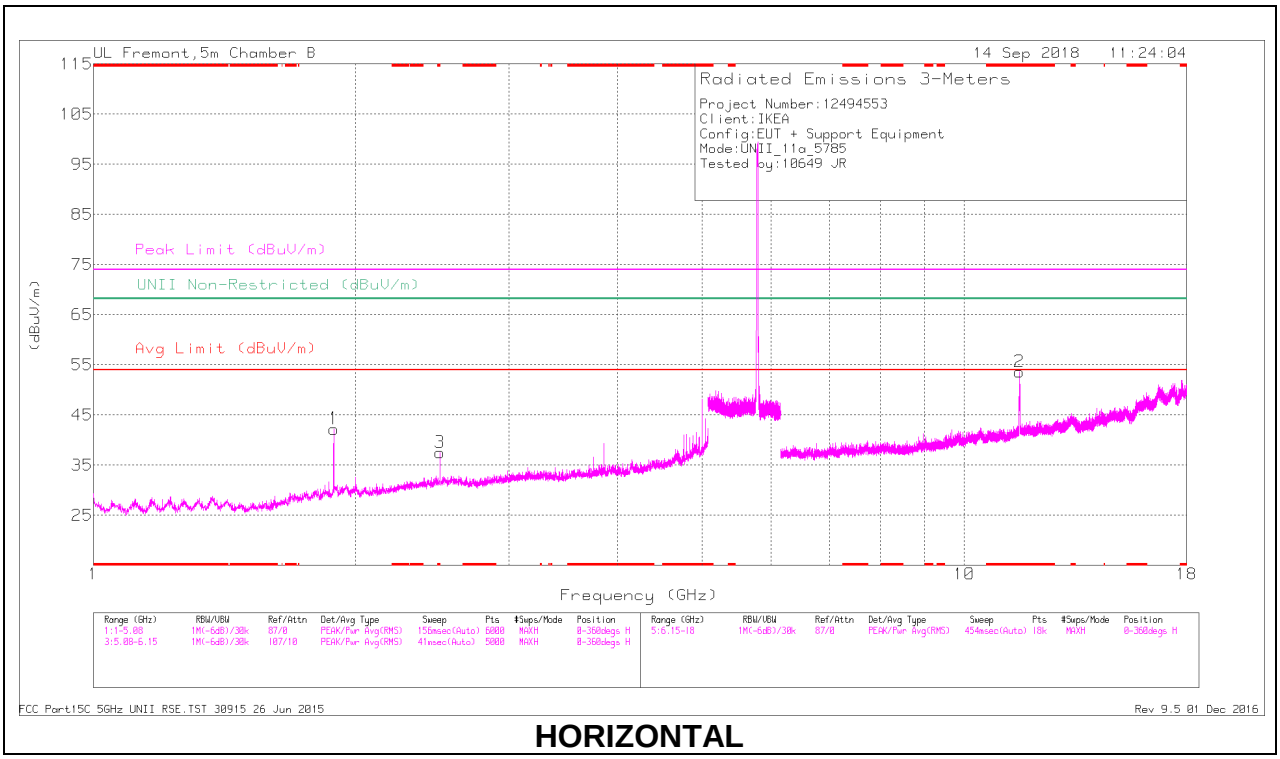
| Markers | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 2.5 | 43.39 | PK-U | 32.7 | -32.1 | 0 | 43.99 | - | - | 74 | -30.01 | - | - | 73 | 175 | H |
| | * 2.5 | 37.63 | ADR | 32.7 | -32.1 | .1 | 38.33 | 54 | -15.67 | - | - | - | - | 73 | 175 | H |
| 2 | * 3.83 | 42.66 | PK-U | 33.4 | -31.2 | 0 | 44.86 | - | - | 74 | -29.14 | - | - | 184 | 220 | H |
| | * 3.83 | 36.02 | ADR | 33.4 | -31.2 | .1 | 38.32 | 54 | -15.68 | - | - | - | - | 184 | 220 | H |
| 5 | * 11.487 | 46.38 | PK-U | 38.4 | -22.7 | 0 | 62.08 | - | - | 74 | -11.92 | - | - | 102 | 303 | H |
| | * 11.487 | 34.5 | ADR | 38.4 | -22.7 | .1 | 50.3 | 54 | -3.7 | - | - | - | - | 102 | 303 | H |
| 6 | * 11.488 | 48.85 | PK-U | 38.4 | -22.7 | 0 | 64.55 | - | - | 74 | -9.45 | - | - | 322 | 263 | V |
| | * 11.488 | 37.02 | ADR | 38.4 | -22.7 | .1 | 52.82 | 54 | -1.18 | - | - | - | - | 322 | 263 | V |
| 3 | 1.863 | 39.71 | PK-U | 30.9 | -33.5 | 0 | 37.11 | - | - | - | - | 68.2 | -31.09 | 319 | 392 | V |
| 4 | 2.5 | 44.54 | PK-U | 32.7 | -32.1 | 0 | 45.14 | - | - | - | - | 68.2 | -23.06 | 101 | 171 | 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

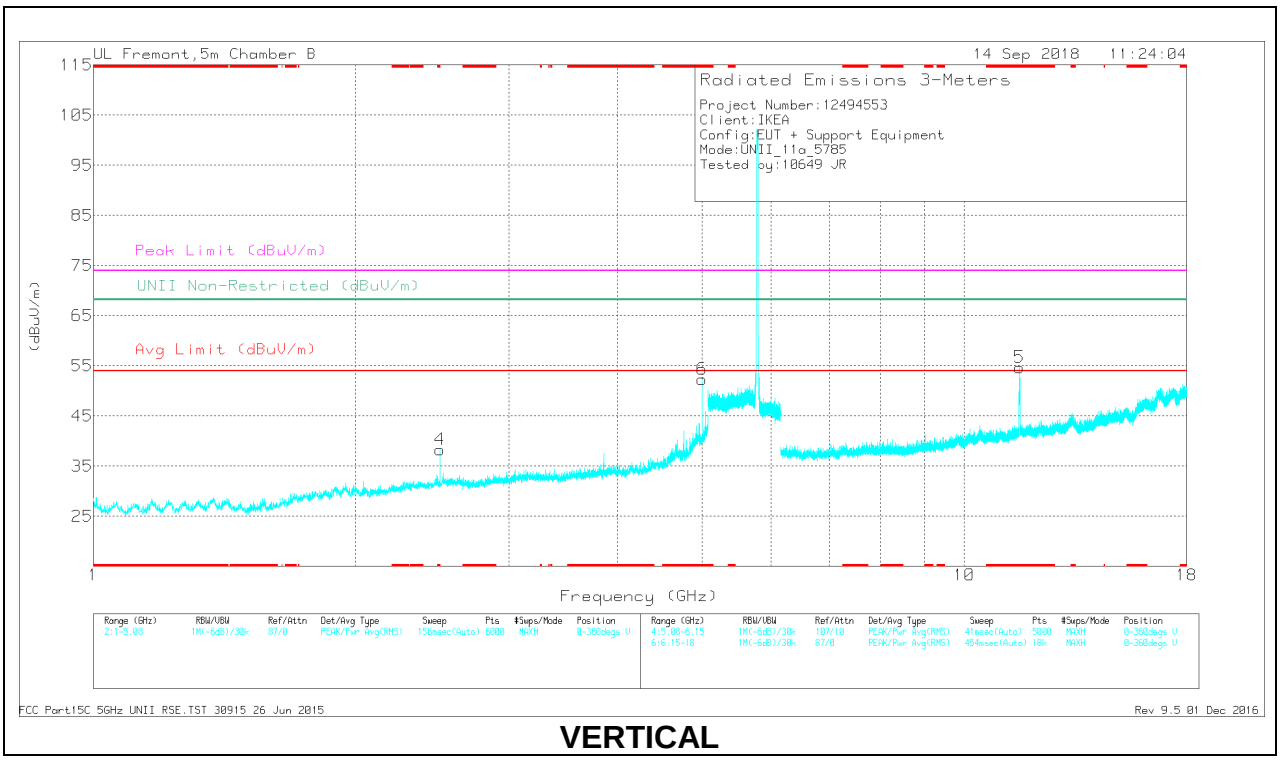


UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## MID CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**




*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## RADIATED EMISSIONS

| Markers | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (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 | * 2.5 | 41.82 | PK-U | 32.7 | -32.1 | 0 | 42.42 | - | - | 74 | -31.58 | - | - | 139 | 198 | H |
| | * 2.5 | 35.06 | ADR | 32.7 | -32.1 | .1 | 35.76 | 54 | -18.24 | - | - | - | - | 139 | 198 | H |
| 4 | * 2.5 | 44.24 | PK-U | 32.7 | -32.1 | 0 | 44.84 | - | - | 74 | -29.16 | - | - | 103 | 173 | V |
| | * 2.5 | 39.33 | ADR | 32.7 | -32.1 | .1 | 40.03 | 54 | -13.97 | - | - | - | - | 103 | 173 | V |
| 6 | * 5 | 50.12 | PK-U | 34.6 | -27.8 | 0 | 56.92 | - | - | 74 | -17.08 | - | - | 247 | 129 | V |
| | * 5 | 45.25 | ADR | 34.6 | -27.8 | .1 | 52.15 | 54 | -1.85 | - | - | - | - | 247 | 129 | V |
| 2 | * 11.567 | 46.52 | PK-U | 38.6 | -22.2 | 0 | 62.92 | - | - | 74 | -11.08 | - | - | 105 | 308 | H |
| | * 11.568 | 35.17 | ADR | 38.6 | -22.2 | .1 | 51.67 | 54 | -2.33 | - | - | - | - | 105 | 308 | H |
| 5 | * 11.567 | 46.23 | PK-U | 38.6 | -22.2 | 0 | 62.63 | - | - | 74 | -11.37 | - | - | 225 | 132 | V |
| | * 11.568 | 34.36 | ADR | 38.6 | -22.2 | .1 | 50.86 | 54 | -3.14 | - | - | - | - | 225 | 132 | V |
| 1 | 1.887 | 40.08 | PK-U | 31 | -33 | 0 | 38.08 | - | - | - | - | 68.2 | -30.12 | 297 | 115 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

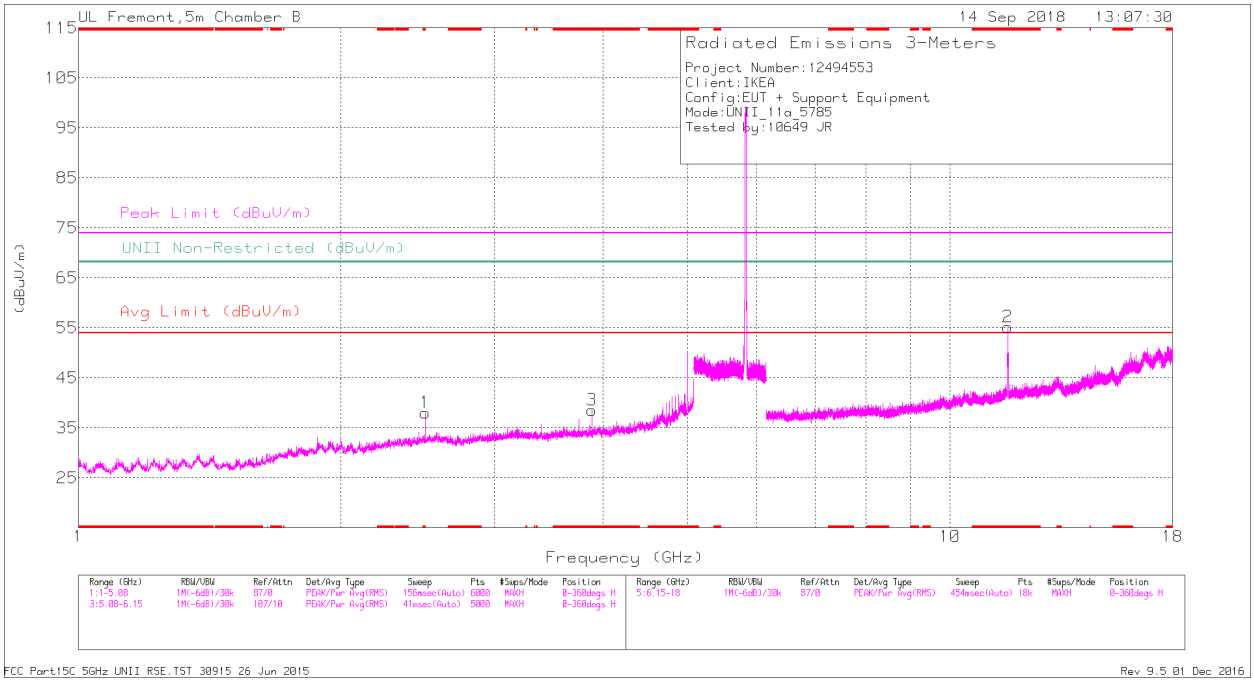
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

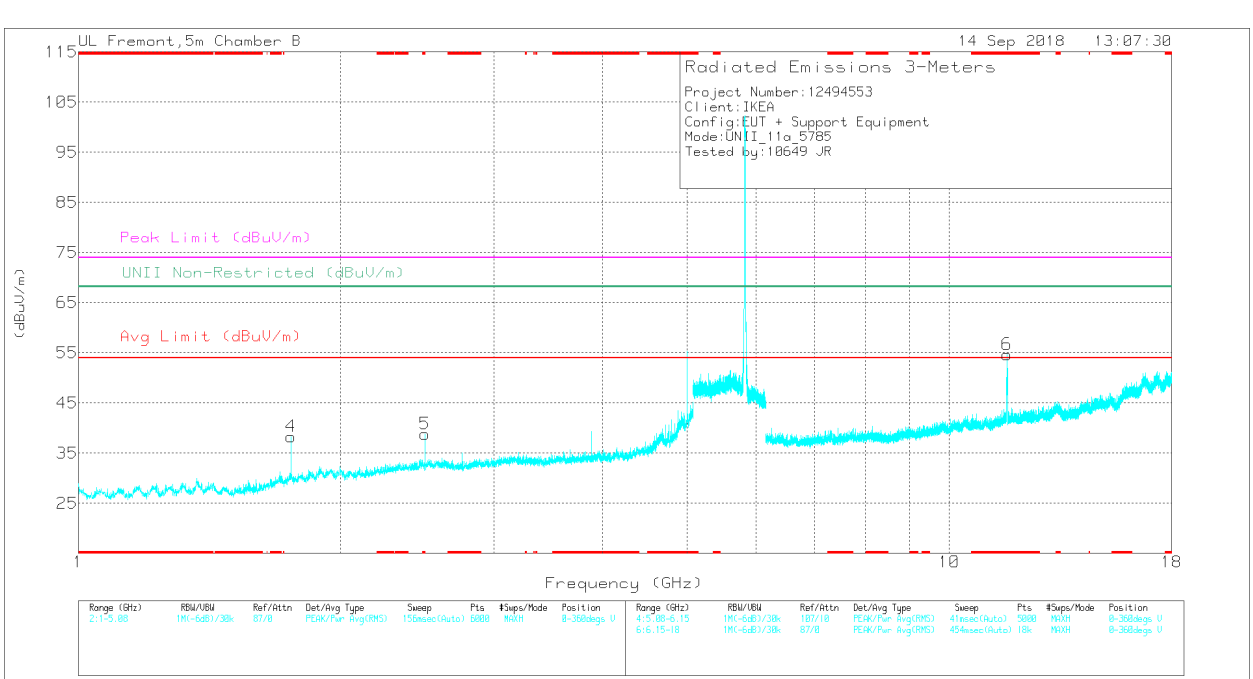


UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## HIGH CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (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 | * 2.5 | 42.34 | PK-U | 32.7 | -32.1 | 0 | 42.94 | - | - | 74 | -31.06 | - | - | 50 | 174 | H |
| | * 2.5 | 35.43 | ADR | 32.7 | -32.1 | .1 | 36.13 | 54 | -17.87 | - | - | - | - | 50 | 174 | H |
| 3 | * 3.883 | 42.15 | PK-U | 33.4 | -30.8 | 0 | 44.75 | - | - | 74 | -29.25 | - | - | 168 | 218 | H |
| | * 3.883 | 35.56 | ADR | 33.4 | -30.8 | .1 | 38.26 | 54 | -15.74 | - | - | - | - | 168 | 218 | H |
| 2 | * 11.648 | 44.58 | PK-U | 38.8 | -21.8 | 0 | 61.58 | - | - | 74 | -12.42 | - | - | 152 | 240 | H |
| | * 11.648 | 32.93 | ADR | 38.8 | -21.8 | .1 | 50.03 | 54 | -3.97 | - | - | - | - | 152 | 240 | H |
| 6 | * 11.653 | 48.46 | PK-U | 38.8 | -22 | 0 | 65.26 | - | - | 74 | -8.74 | - | - | 320 | 261 | V |
| | * 11.648 | 36.83 | ADR | 38.8 | -21.8 | .1 | 53.93 | 54 | -.07 | - | - | - | - | 320 | 261 | V |
| 4 | 1.753 | 40.38 | PK-U | 30.2 | -33.5 | 0 | 37.08 | - | - | - | - | 68.2 | -31.12 | 192 | 385 | V |
| 5 | 2.5 | 44.33 | PK-U | 32.7 | -32.1 | 0 | 44.93 | - | - | - | - | 68.2 | -23.27 | 100 | 171 | 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

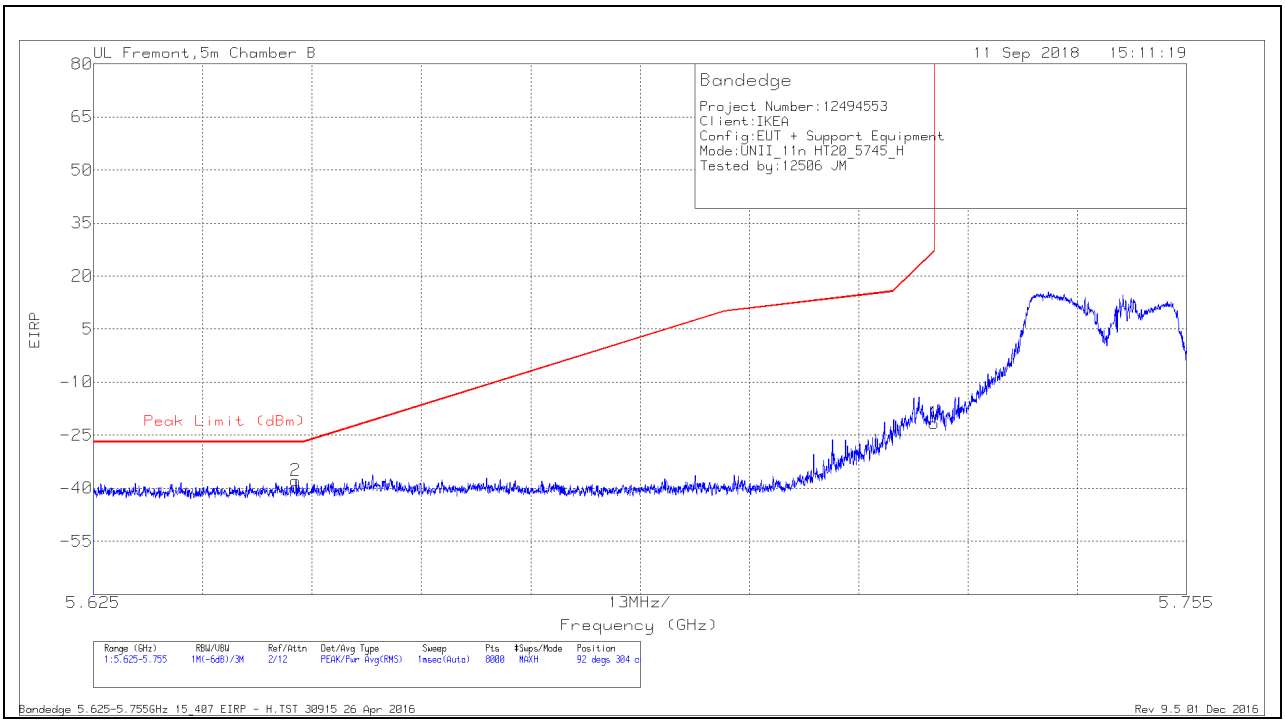


UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

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

## BANDEDGE (LOW CHANNEL)

## HORIZONTAL RESULT




Trace Markers

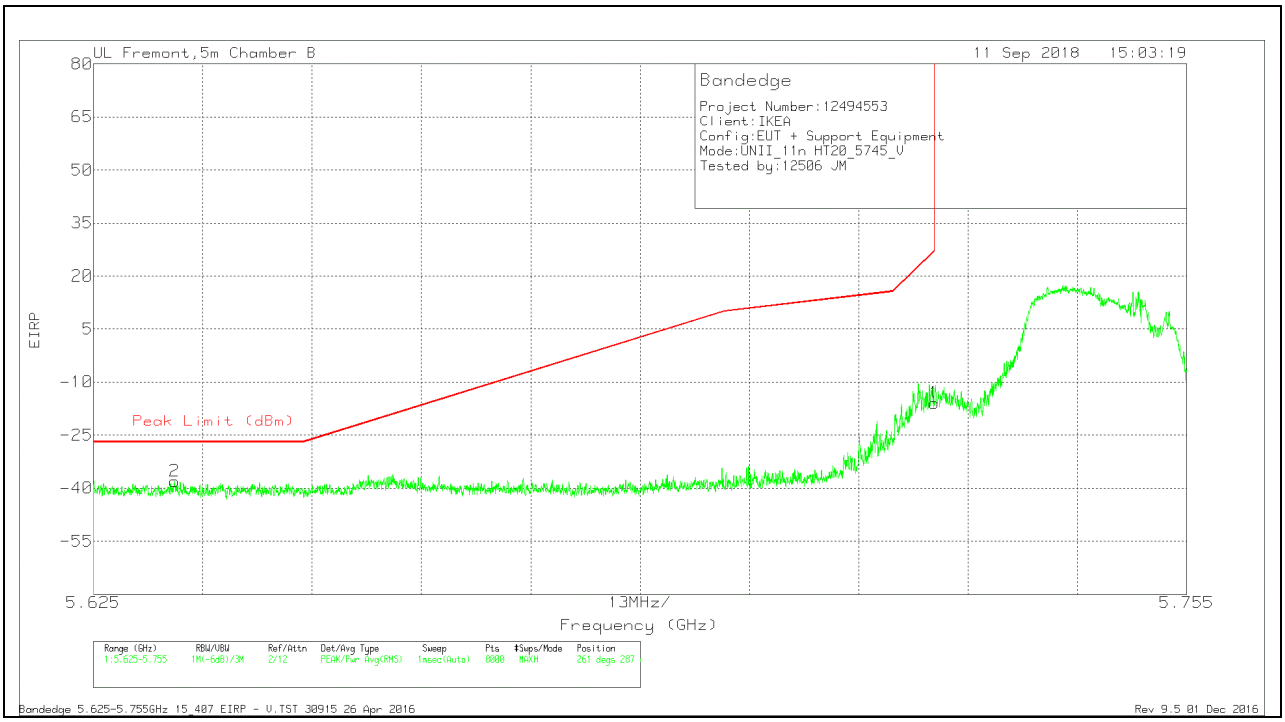
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 5.649 | -66.09 | Pk | 35.5 | -19 | 11.8 | -37.79 | -27 | -10.79 | 92 | 304 | H |
| 1 | 5.725 | -49.57 | Pk | 35.5 | -19.4 | 11.8 | -21.67 | 27 | -48.67 | 92 | 304 | H |

Pk - Peak detector



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## VERTICAL RESULT




## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (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 | 5.635 | -66.26 | Pk | 35.5 | -19 | 11.8 | -37.96 | -27 | -10.96 | 261 | 287 | V |
| 1 | 5.725 | -43.89 | Pk | 35.5 | -19.4 | 11.8 | -15.99 | 27 | -42.99 | 261 | 287 | V |

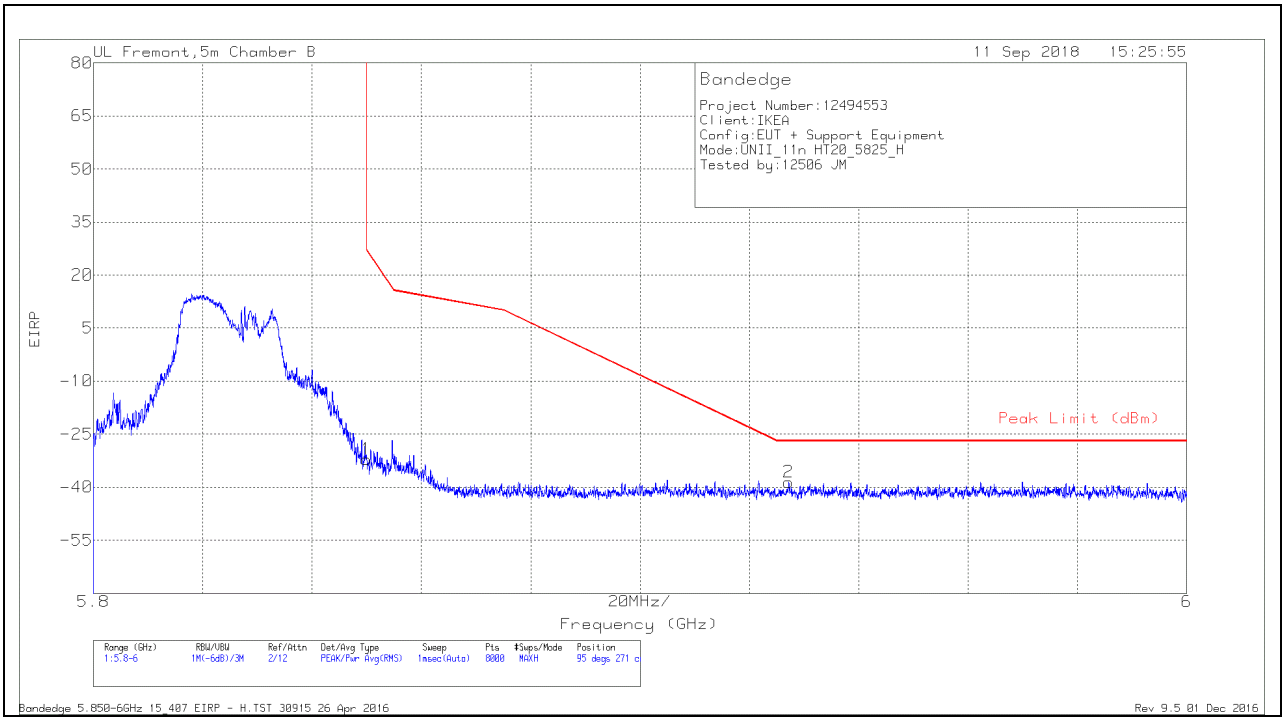
Pk - Peak detector



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

# BANDEDGE (HIGH CHANNEL)

## HORIZONTAL RESULT




Trace Markers

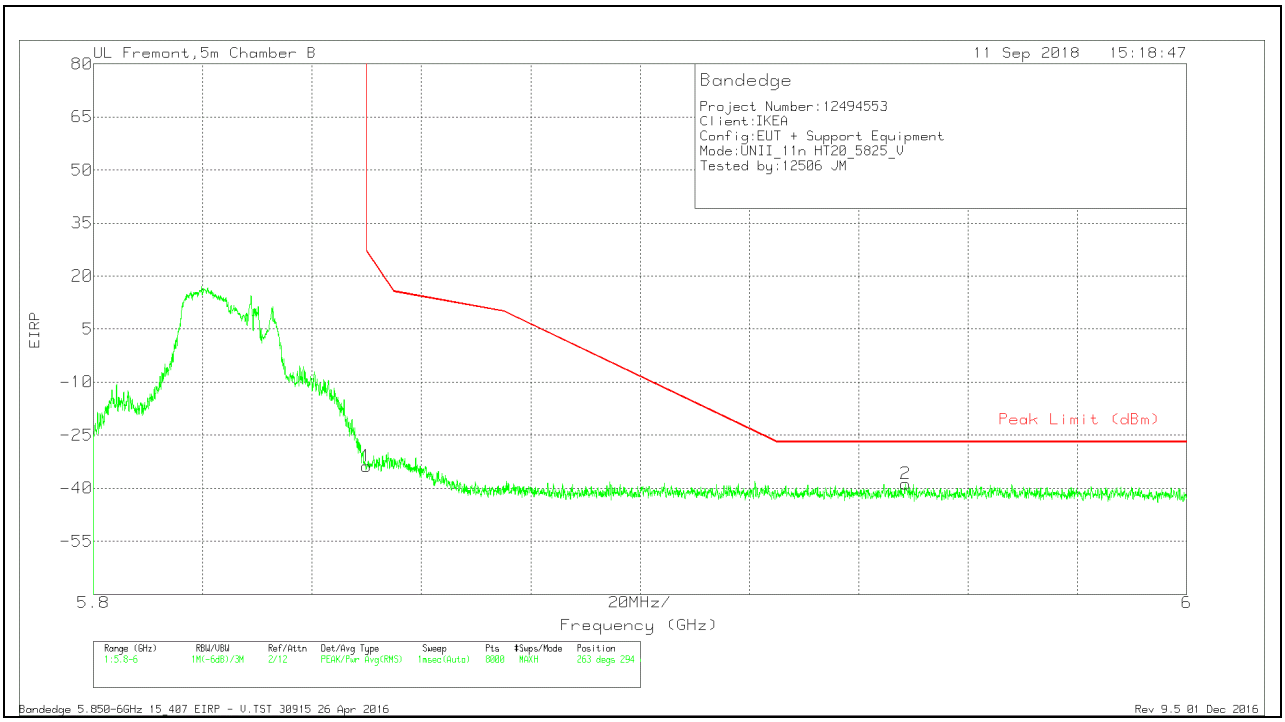
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | Conversion Factor (dB) | Corrected Reading EIRP | Peak Limit (dBm) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.85 | -60.29 | Pk | 35.4 | -19.1 | 11.8 | -32.19 | 26.99 | -59.18 | 95 | 271 | H |
| 2 | 5.927 | -67.28 | Pk | 35.4 | -18.5 | 11.8 | -38.58 | -27 | -11.58 | 95 | 271 | H |

Pk - Peak detector




*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## VERTICAL RESULT




## Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AF T863 (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 | 5.85 | -61.87 | Pk | 35.4 | -19.1 | 11.8 | -33.77 | 26.99 | -60.76 | 263 | 294 | V |
| 2 | 5.949 | -67.24 | Pk | 35.4 | -18.7 | 11.8 | -38.74 | -27 | -11.74 | 263 | 294 | V |

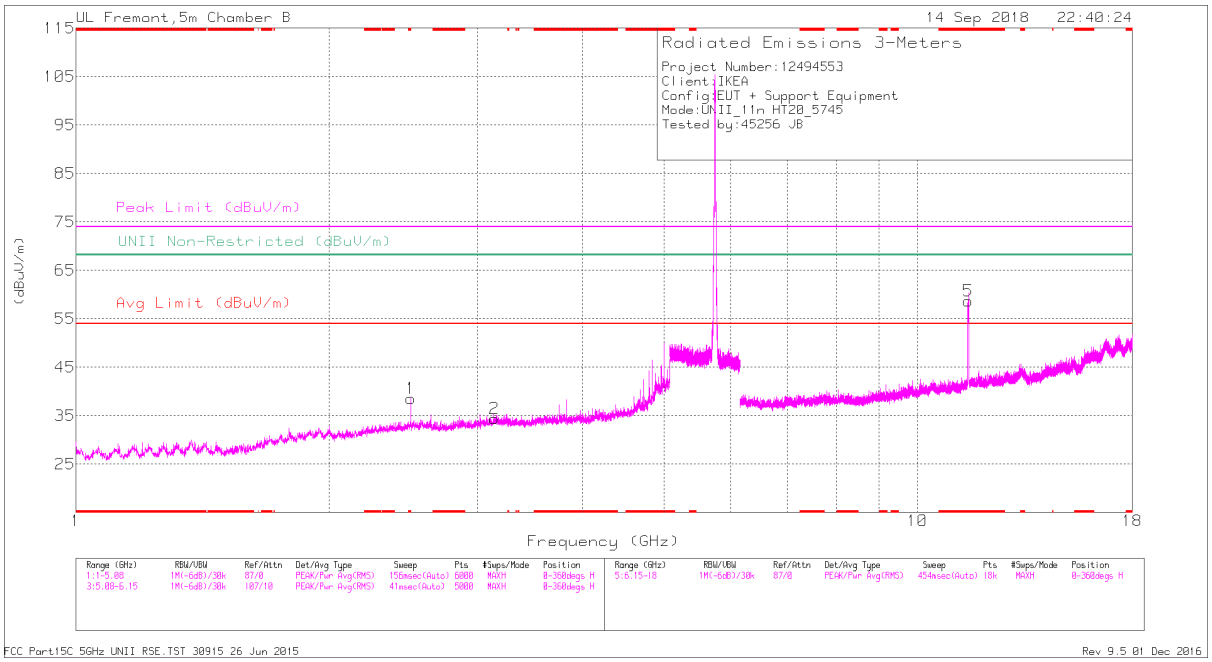
Pk - Peak detector



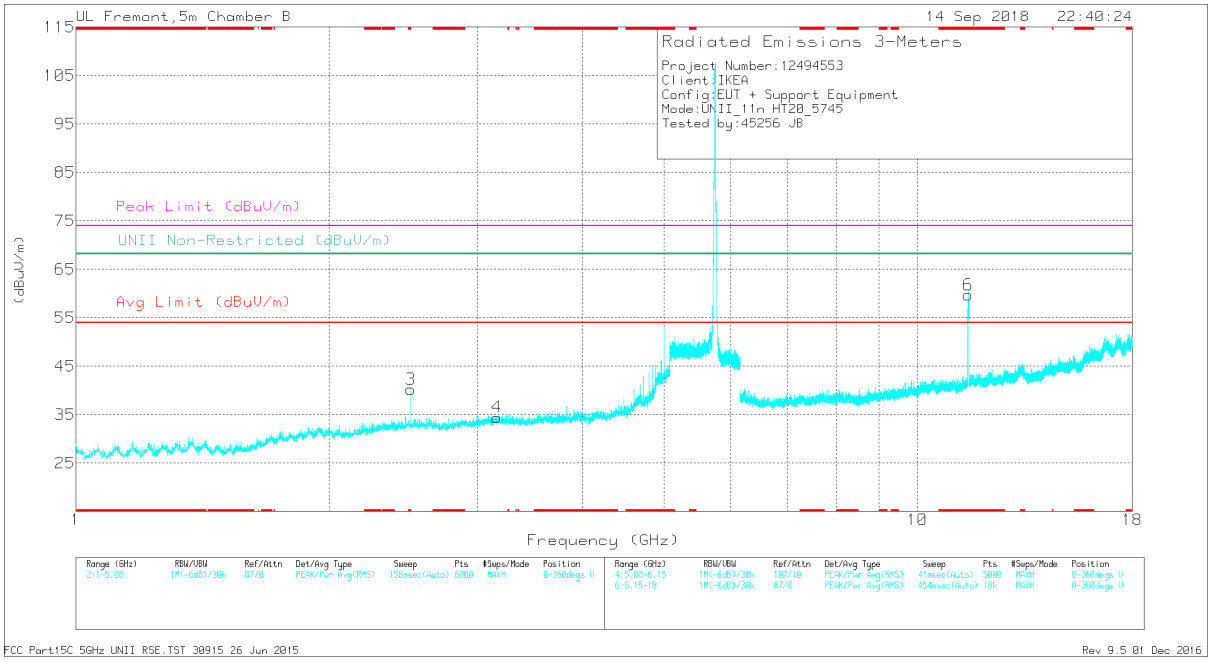
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

# HARMONICS AND SPURIOUS EMISSIONS

## LOW CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**




*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## RADIATED EMISSIONS

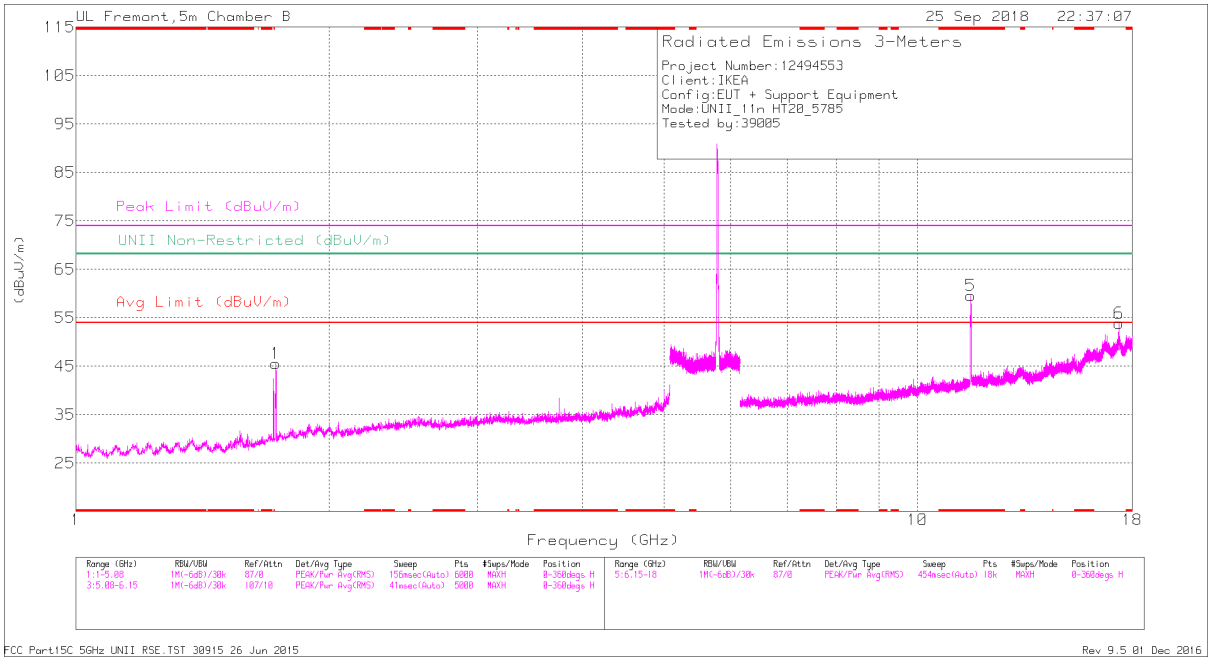
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | * 2.5 | 44.23 | PK-U | 32.7 | -32.1 | 0 | 44.83 | - | - | 74 | -29.17 | - | - | 71 | 176 | H |
| | * 2.5 | 38.31 | ADR | 32.7 | -32.1 | .1 | 39.01 | 54 | -14.99 | - | - | - | - | 71 | 176 | H |
| 5 | * 11.484 | 51.29 | PK-U | 38.4 | -22.7 | 0 | 66.99 | - | - | 74 | -7.01 | - | - | 161 | 261 | H |
| | * 11.484 | 38.06 | ADR | 38.4 | -22.7 | .1 | 53.86 | 54 | -.14 | - | - | - | - | 161 | 261 | H |
| 6 | * 11.487 | 50.72 | PK-U | 38.4 | -22.7 | 0 | 66.42 | - | - | 74 | -7.58 | - | - | 318 | 243 | V |
| | * 11.486 | 37.82 | ADR | 38.4 | -22.7 | .1 | 53.62 | 54 | -.38 | - | - | - | - | 318 | 243 | V |
| 3 | * 2.5 | 45.36 | PK-U | 32.7 | -32.1 | 0 | 45.96 | - | - | 74 | -28.04 | - | - | 102 | 169 | V |
| | * 2.5 | 40.68 | ADR | 32.7 | -32.1 | .1 | 41.38 | 54 | -12.62 | - | - | - | - | 102 | 169 | V |
| 2 | 3.139 | 39.52 | PK-U | 33.2 | -31.7 | 0 | 41.02 | - | - | - | - | 68.2 | -27.18 | 179 | 132 | H |
| 4 | 3.163 | 39.51 | PK-U | 33.1 | -31.1 | 0 | 41.51 | - | - | - | - | 68.2 | -26.69 | 163 | 281 | 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

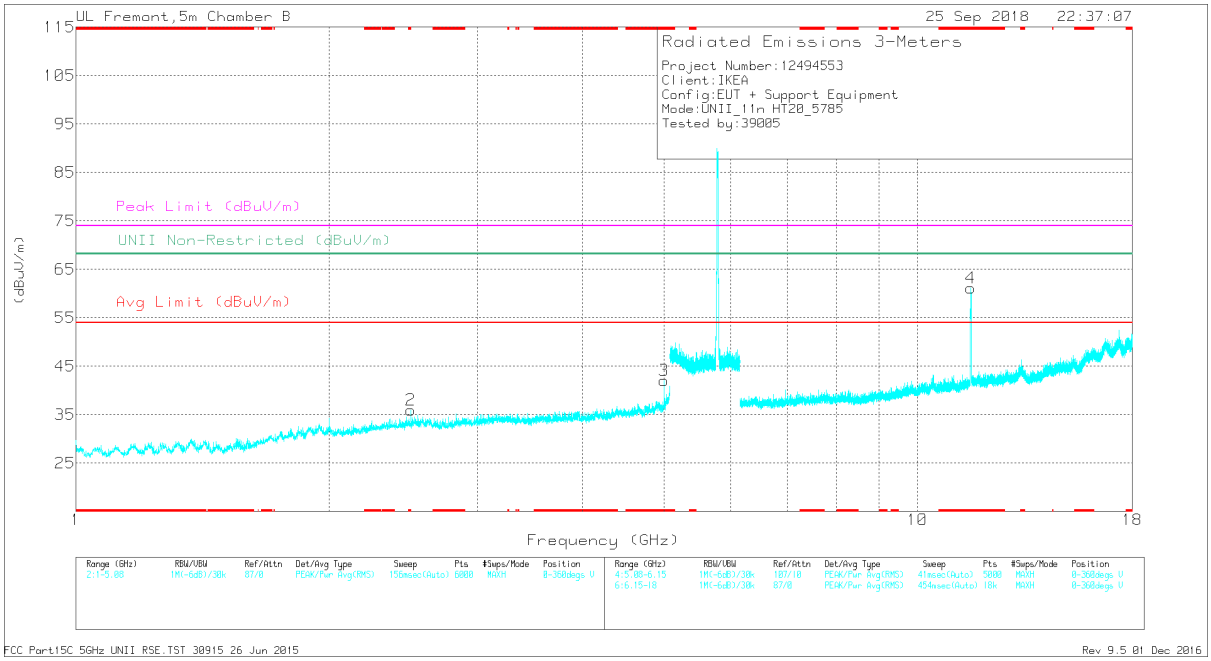


UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## MID CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**




*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## RADIATED EMISSIONS

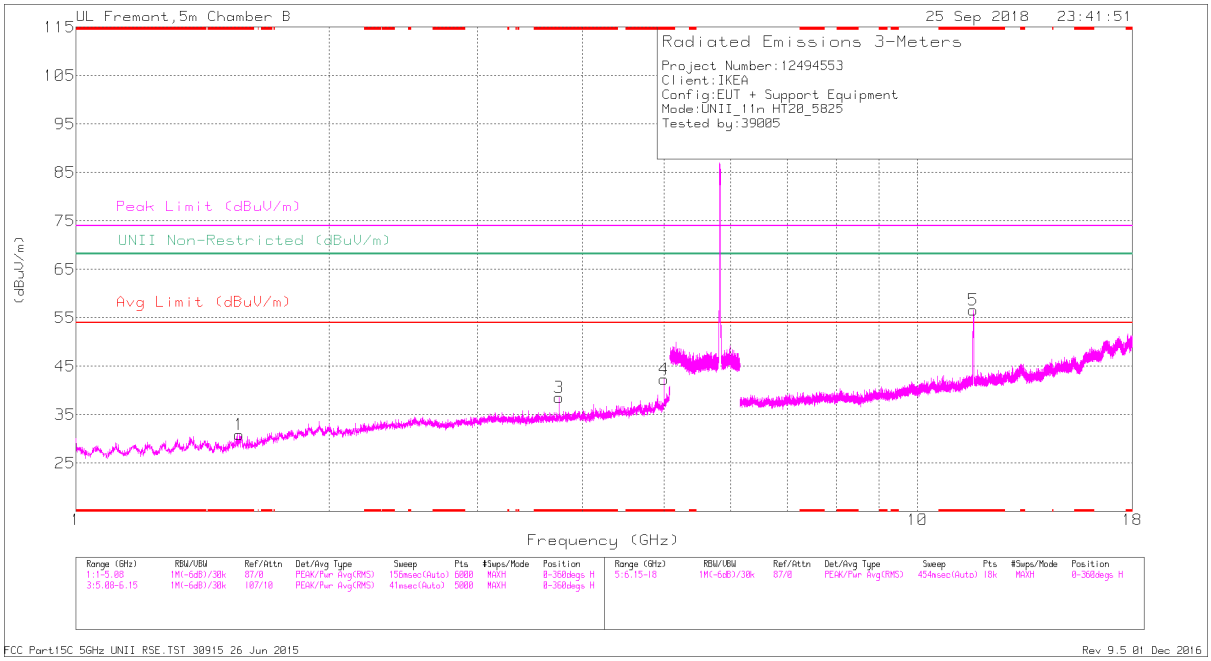
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | * 5 | 40.84 | PK-U | 34.6 | -27.9 | 0 | 47.54 | - | - | 74 | -26.46 | - | - | 266 | 197 | V |
| | * 5 | 33.5 | ADR | 34.6 | -27.8 | .1 | 40.4 | 54 | -13.6 | - | - | - | - | 266 | 197 | V |
| 5 | * 11.566 | 47.62 | PK-U | 38.6 | -22.3 | 0 | 63.92 | - | - | 74 | -10.08 | - | - | 64 | 234 | H |
| | * 11.566 | 35.13 | ADR | 38.6 | -22.3 | .1 | 51.53 | 54 | -2.47 | - | - | - | - | 64 | 234 | H |
| 4 | * 11.564 | 49.83 | PK-U | 38.6 | -22.3 | 0 | 66.13 | - | - | 74 | -7.87 | - | - | 227 | 104 | V |
| | * 11.565 | 36.71 | ADR | 38.6 | -22.3 | .1 | 53.11 | 54 | -.89 | - | - | - | - | 227 | 104 | V |
| 1 | 1.727 | 40.68 | PK-U | 29.9 | -33 | 0 | 37.58 | - | - | - | - | 68.2 | -30.62 | 265 | 235 | H |
| 2 | 2.5 | 43.08 | PK-U | 32.7 | -32.1 | 0 | 43.68 | - | - | - | - | 68.2 | -24.52 | 89 | 187 | V |
| 6 | 17.35 | 33.48 | PK-U | 44.5 | -18.6 | 0 | 59.38 | - | - | - | - | 68.2 | -8.82 | 35 | 186 | 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

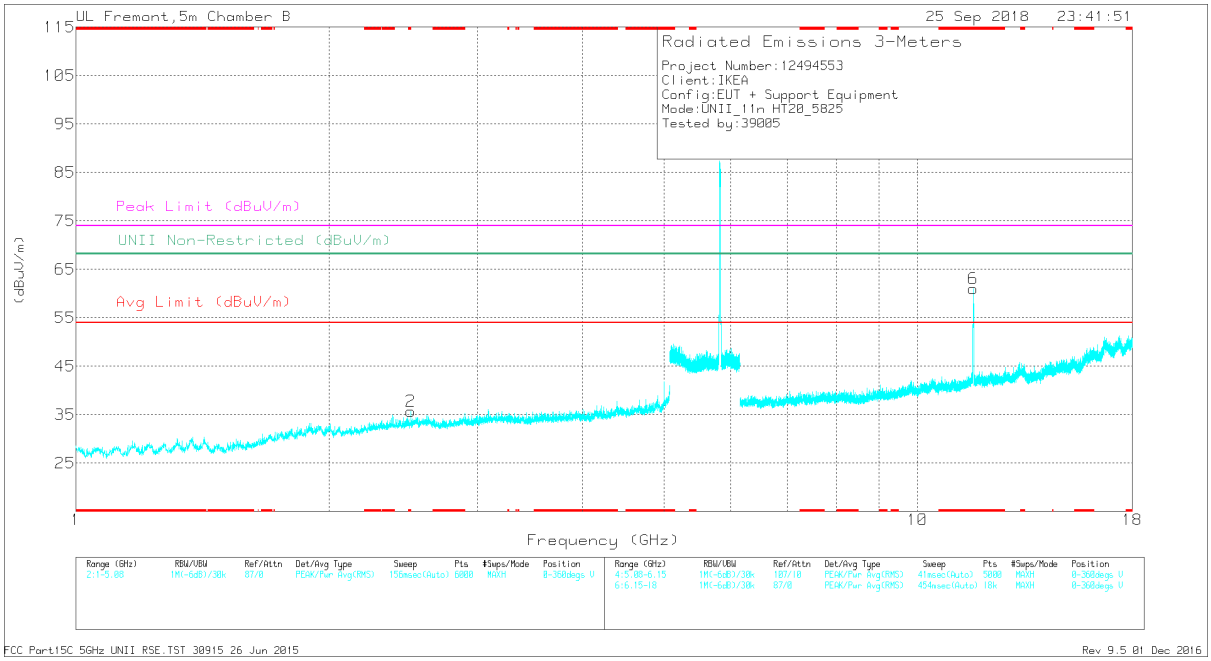


UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## HIGH CHANNEL RESULTS




**HORIZONTAL**




**VERTICAL**



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T863 (dB/m) | Amp/Cbl/Fltr/Pad (dB) | DC Corr (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 | * 1.564 | 43.94 | PK-U | 27.7 | -34.2 | 0 | 37.44 | - | - | 74 | -36.56 | - | - | 36 | 228 | H |
| | * 1.564 | 32.83 | ADR | 27.7 | -34.2 | .1 | 26.43 | 54 | -27.57 | - | - | - | - | 36 | 228 | H |
| 3 | * 3.75 | 42.79 | PK-U | 33.3 | -30.9 | 0 | 45.19 | - | - | 74 | -28.81 | - | - | 192 | 156 | H |
| | * 3.75 | 35.54 | ADR | 33.3 | -30.9 | .1 | 38.04 | 54 | -15.96 | - | - | - | - | 192 | 156 | H |
| 4 | * 5 | 40.46 | PK-U | 34.6 | -27.8 | 0 | 47.26 | - | - | 74 | -26.74 | - | - | 42 | 222 | H |
| | * 5 | 32.68 | ADR | 34.6 | -27.8 | .1 | 39.58 | 54 | -14.42 | - | - | - | - | 42 | 222 | H |
| 5 | * 11.645 | 47.75 | PK-U | 38.8 | -21.7 | 0 | 64.85 | - | - | 74 | -9.15 | - | - | 344 | 317 | H |
| | * 11.644 | 34.59 | ADR | 38.8 | -21.7 | .1 | 51.79 | 54 | -2.21 | - | - | - | - | 344 | 317 | H |
| 6 | * 11.645 | 47.88 | PK-U | 38.8 | -21.7 | 0 | 64.98 | - | - | 74 | -9.02 | - | - | 318 | 373 | V |
| | * 11.644 | 35.53 | ADR | 38.8 | -21.7 | .1 | 52.73 | 54 | -1.27 | - | - | - | - | 318 | 373 | V |
| 2 | 2.5 | 41.92 | PK-U | 32.7 | -32.1 | 0 | 42.52 | - | - | - | - | 68.2 | -25.68 | 99 | 216 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

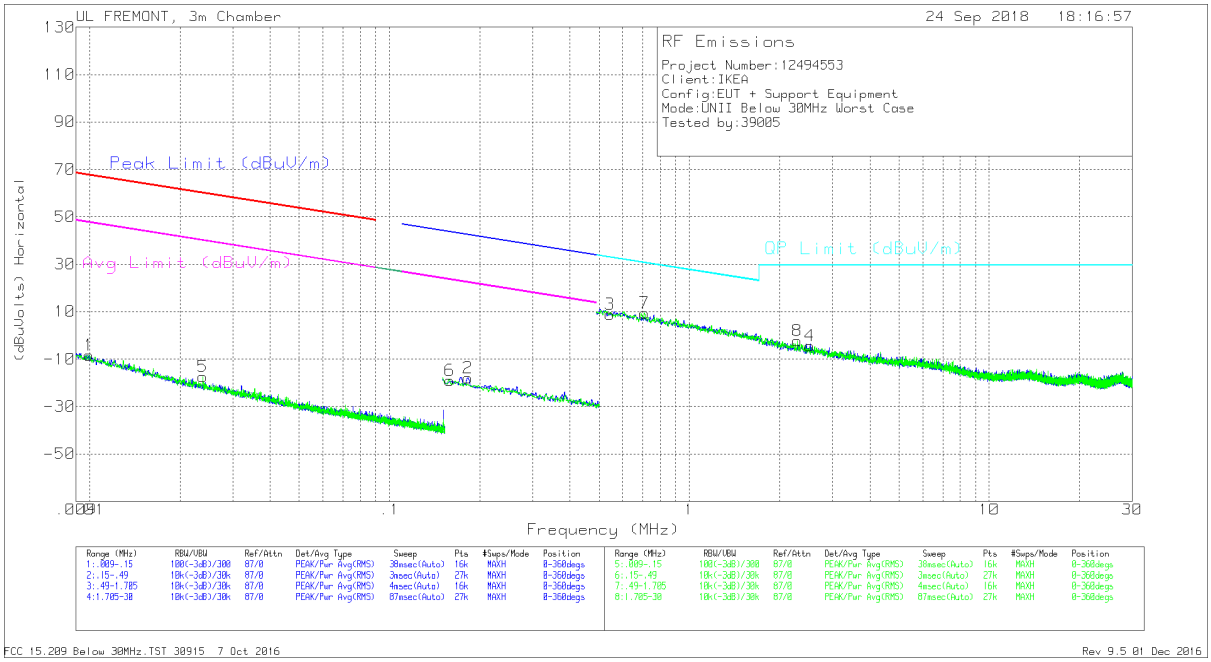
ADR - U-NII AD primary method, RMS average



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## 9.2. Worst Case Below 30 MHz

**SPURIOUS EMISSIONS 9 kHz TO 30 MHz (WORST-CASE CONFIGURATION)**




NOTE: KDB 414788 OATS and Chamber Correlation Justification

- Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.
- Open Field Site (OFS) and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

## Below 30 MHz Data

Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | Loop Antenna (dB/m) | Cbl (dB) | Dist Corr 300m | Corrected Reading (dBuVolts) | Peak Limit (dBuV/m) | Margin (dB) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Avg Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .00995 | 51.31 | Pk | 18.9 | 1.4 | -80 | -8.39 | 67.62 | -76.01 | 47.62 | -56.01 | - | - | - | - | 0-360 |
| 5 | .02385 | 46.85 | Pk | 14.3 | 1.4 | -80 | -17.45 | 60.04 | -77.49 | 40.04 | -57.49 | - | - | - | - | 0-360 |
| 6 | .15878 | 47.67 | Pk | 11.8 | 1.5 | -80 | -19.03 | - | - | - | - | 43.61 | -62.64 | 23.61 | -42.64 | 0-360 |
| 2 | .18269 | 48.83 | Pk | 11.8 | 1.5 | -80 | -17.87 | - | - | - | - | 42.39 | -60.26 | 22.39 | -40.26 | 0-360 |

Pk - Peak detector

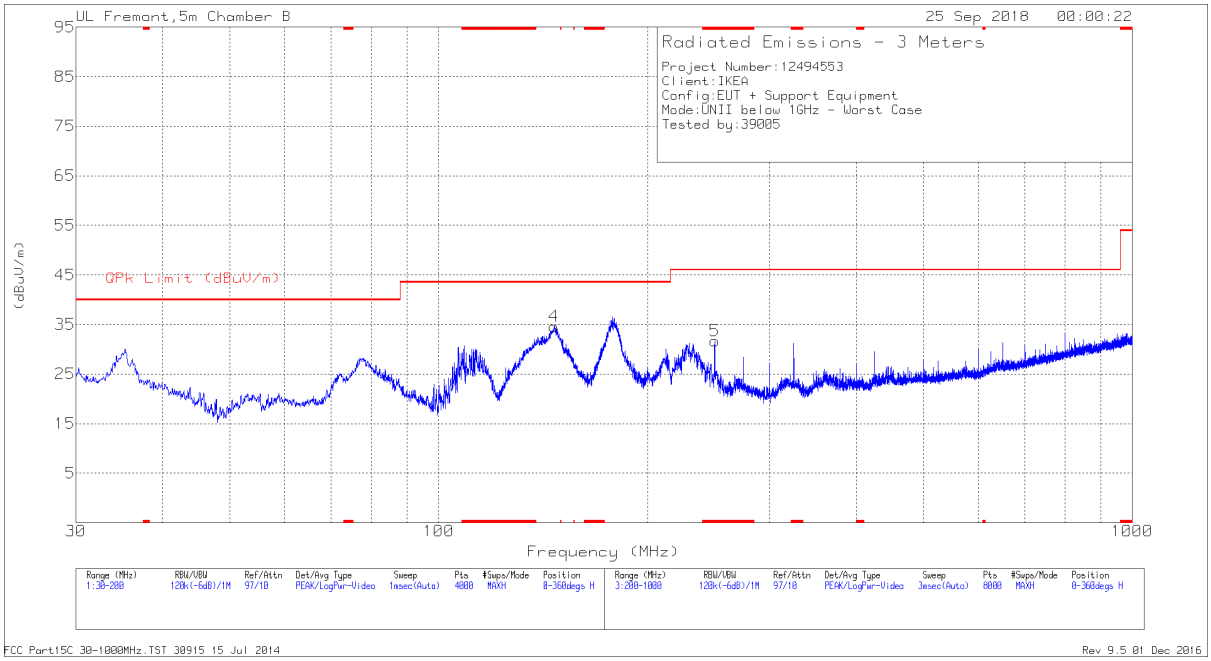
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | Loop Antenna (dB/m) | Cbl (dB) | Dist Corr 30m | Corrected Reading (dBuVolts) | QP Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Avg Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | .544 | 35.68 | Pk | 11.7 | 1.5 | -40 | 8.88 | 32.89 | -24.01 | - | - | - | - | 0-360 |
| 7 | .70854 | 36.12 | Pk | 11.8 | 1.5 | -40 | 9.42 | 30.61 | -21.19 | - | - | - | - | 0-360 |
| 8 | 2.29136 | 24.4 | Pk | 11.9 | 1.5 | -40 | -2.2 | 29.5 | -31.7 | - | - | - | - | 0-360 |
| 4 | 2.52244 | 22.19 | Pk | 11.8 | 1.5 | -40 | -4.51 | 29.5 | -34.01 | - | - | - | - | 0-360 |

Pk - Peak detector



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## 9.3. Worst Case Below 1 GHz




**HORIZONTAL**

**VERTICAL**



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

**Below 1GHz DATA**

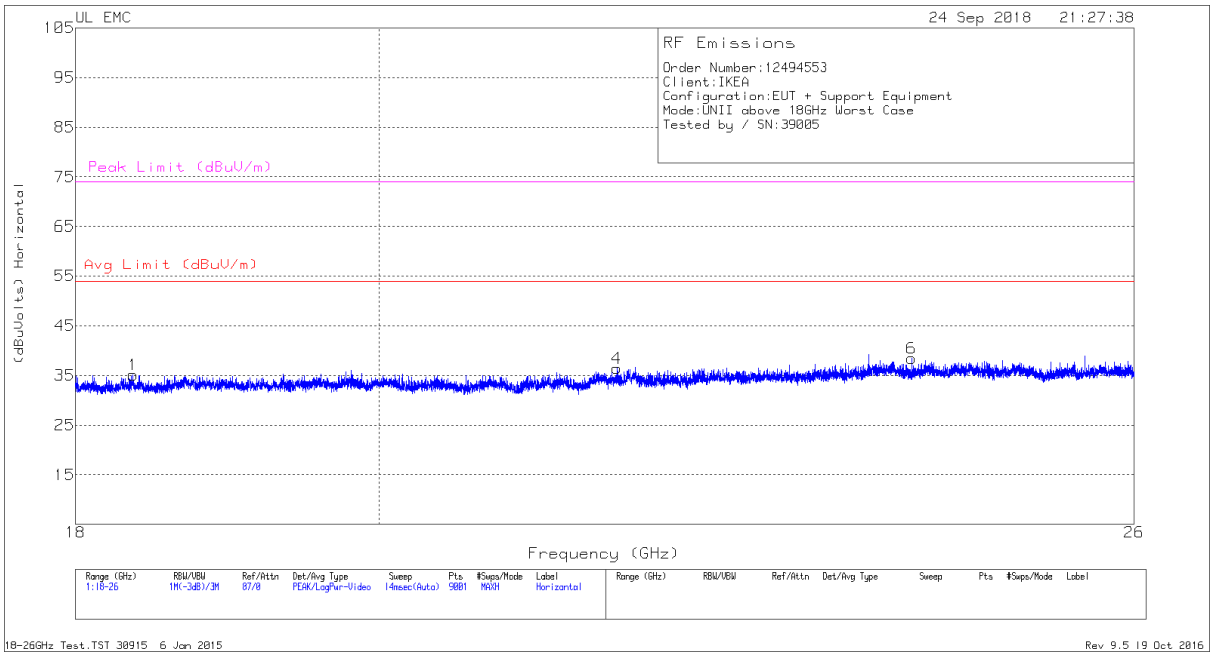
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF T407 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | * 250.0065 | 42.47 | Pk | 15.5 | -26.3 | 31.67 | 46.02 | -14.35 | 0-360 | 100 | H |
| 1 | 35.2714 | 49.69 | Pk | 21.5 | -28.7 | 42.49 | 40 | 2.49 | 0-360 | 100 | V |
| | 35.28 | 45.92 | Qp | 21.5 | -28.7 | 38.72 | 40 | -1.28 | 197 | 105 | V |
| 2 | 77.9949 | 51.16 | Pk | 11.8 | -28.2 | 34.76 | 40 | -5.24 | 0-360 | 100 | V |
| | 77.9824 | 45.91 | Qp | 11.8 | -28.2 | 29.51 | 40 | -10.49 | 173 | 108 | V |
| 4 | 146.8202 | 45.45 | Pk | 16.6 | -27.4 | 34.65 | 43.52 | -8.87 | 0-360 | 200 | H |
| 3 | 176.6204 | 49.82 | Pk | 15.4 | -27.1 | 38.12 | 43.52 | -5.4 | 0-360 | 100 | V |
| | 176.6468 | 44.54 | Qp | 15.4 | -27.1 | 32.84 | 43.52 | -10.68 | 351 | 100 | V |
| 6 | 599.952 | 36.64 | Pk | 22.5 | -25.6 | 33.54 | 46.02 | -12.48 | 0-360 | 100 | V |

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



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## 9.4. Worst Case 18-26 GHz




**HORIZONTAL**

**VERTICAL**



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

**18 – 26GHz DATA**

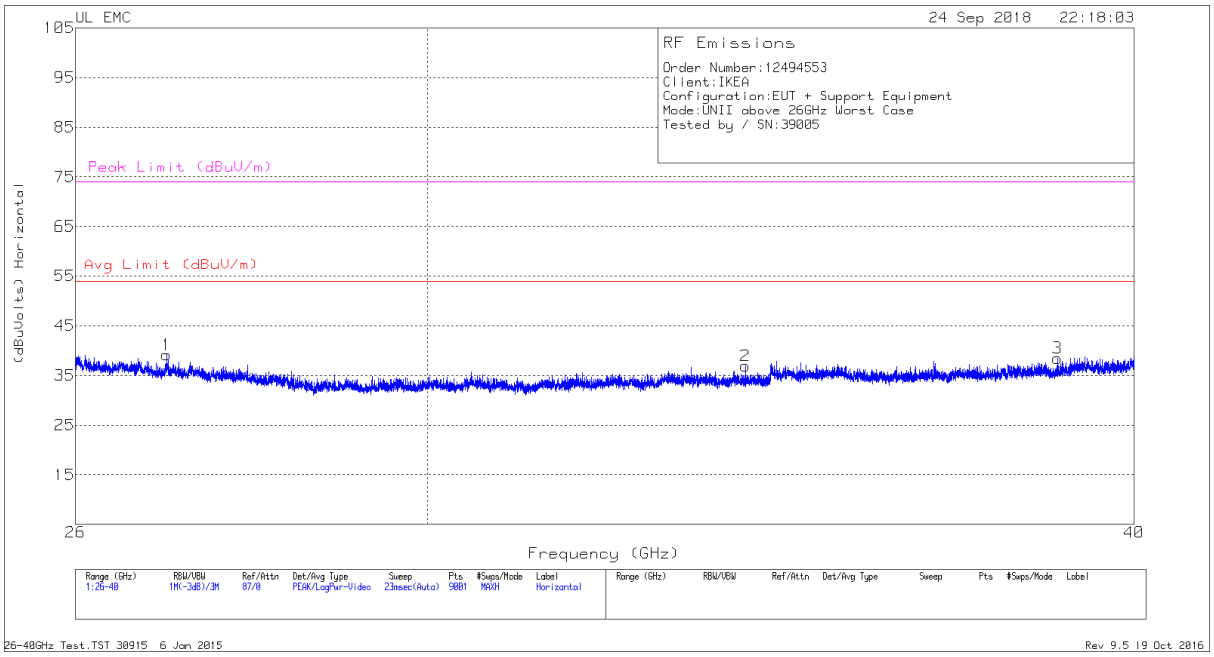
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T89 AF (dB/m) | Amp/Cbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18.363 | 37.3 | Pk | 32.4 | -25.1 | -9.5 | 35.1 | 54 | -18.9 | 74 | -38.9 |
| 4 | 21.723 | 37.52 | Pk | 33.3 | -24.9 | -9.5 | 36.42 | 54 | -17.58 | 74 | -37.58 |
| 6 | 24.065 | 39.14 | Pk | 33.3 | -24.5 | -9.5 | 38.44 | 54 | -15.56 | 74 | -35.56 |
| 2 | 18.205 | 37.64 | Pk | 32.4 | -25.4 | -9.5 | 35.14 | 54 | -18.86 | 74 | -38.86 |
| 3 | 21.845 | 38.12 | Pk | 33.3 | -24.7 | -9.5 | 37.22 | 54 | -16.78 | 74 | -36.78 |
| 5 | 24.473 | 38.21 | Pk | 33.9 | -24.3 | -9.5 | 38.31 | 54 | -15.69 | 74 | -35.69 |

Pk - Peak detector

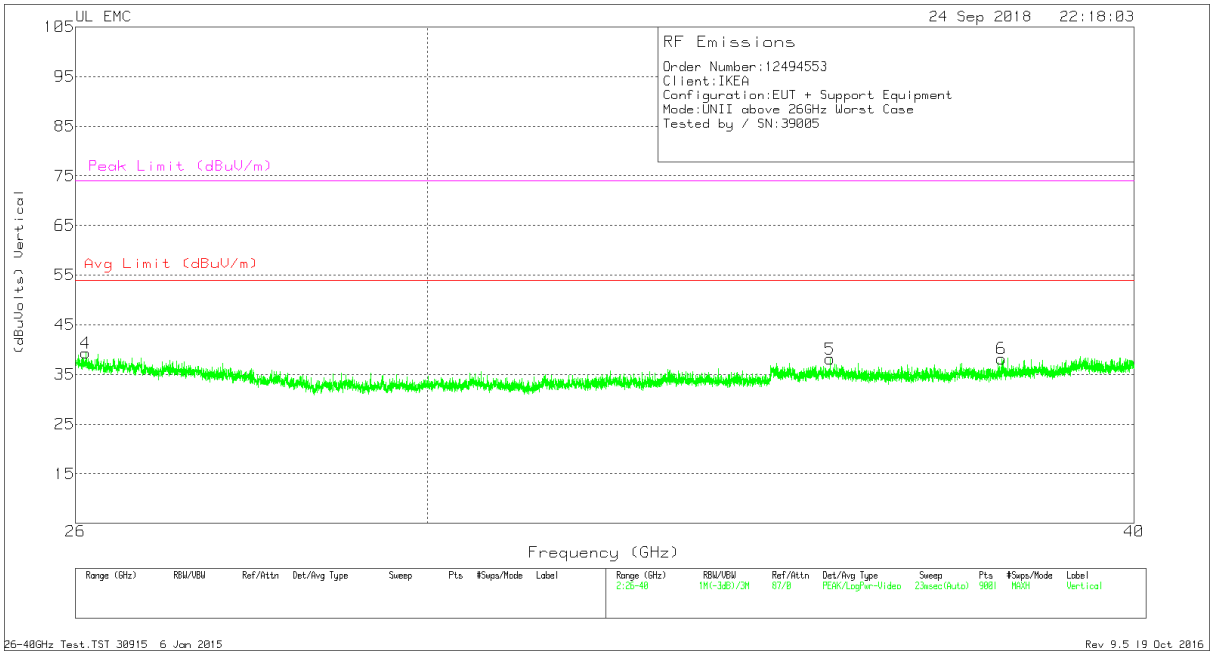


UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## 9.5. Worst Case 26-40 GHz




**HORIZONTAL**




**VERTICAL**



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

## 26 – 40GHz DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | T90 AF (dB/m) | Amp/Cbl (dB) | Dist Corr (dB) | Corrected Reading (dBuVolts) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 26.982 | 43.76 | Pk | 35.5 | -30.6 | -9.5 | 39.16 | 54 | -14.84 | 74 | -34.84 |
| 2 | 34.145 | 42.52 | Pk | 36.9 | -33 | -9.5 | 36.92 | 54 | -17.08 | 74 | -37.08 |
| 3 | 38.768 | 43.37 | Pk | 36.7 | -32.1 | -9.5 | 38.47 | 54 | -15.53 | 74 | -35.53 |
| 4 | 26.106 | 43.22 | Pk | 35.6 | -30 | -9.5 | 39.32 | 54 | -14.68 | 74 | -34.68 |
| 5 | 35.346 | 43.13 | Pk | 37.8 | -33.3 | -9.5 | 38.13 | 54 | -15.87 | 74 | -35.87 |
| 6 | 37.898 | 43.35 | Pk | 37.1 | -32.8 | -9.5 | 38.15 | 54 | -15.85 | 74 | -35.85 |

Pk - Peak detector




*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

# 10. AC POWER LINE CONDUCTED EMISSIONS

**LIMITS**

FCC §15.207 (a)

RSS-Gen 8.8

| Frequency of Emission (MHz) | Conducted Limit (dBuV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56 * | 56 to 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

* Decreases with the logarithm of the frequency.

**TEST PROCEDURE**

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

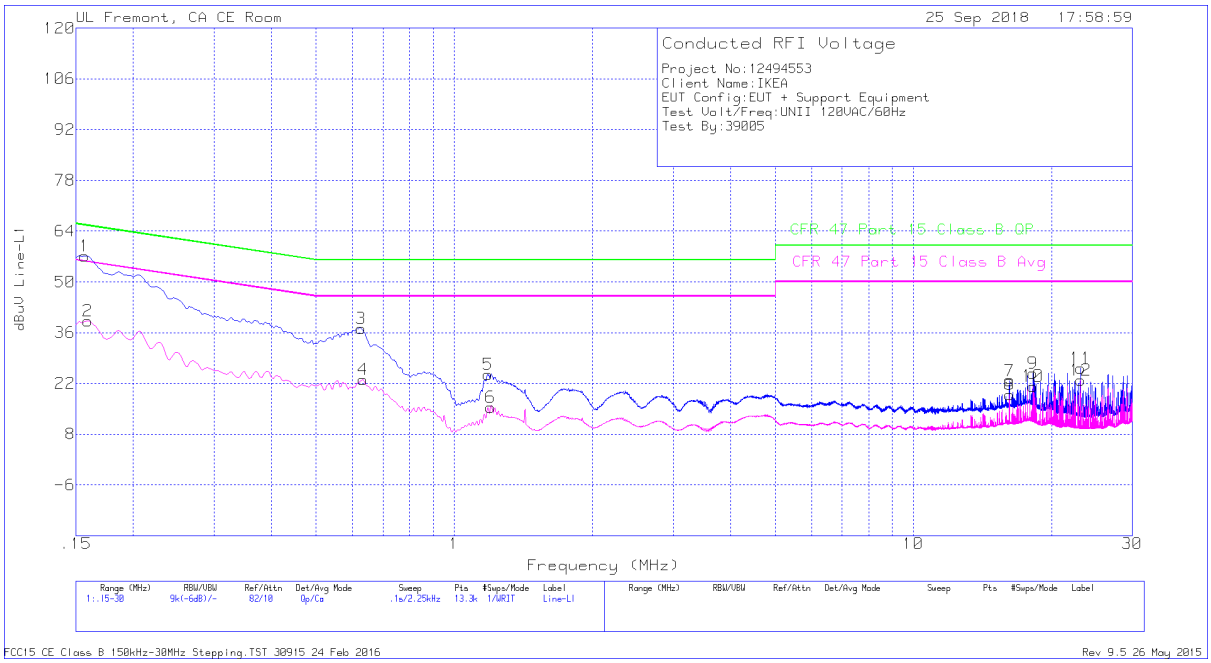
**RESULTS**




*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

### 10.1.1. AC Power Line Norm

## LINE 1 RESULTS




Trace Markers

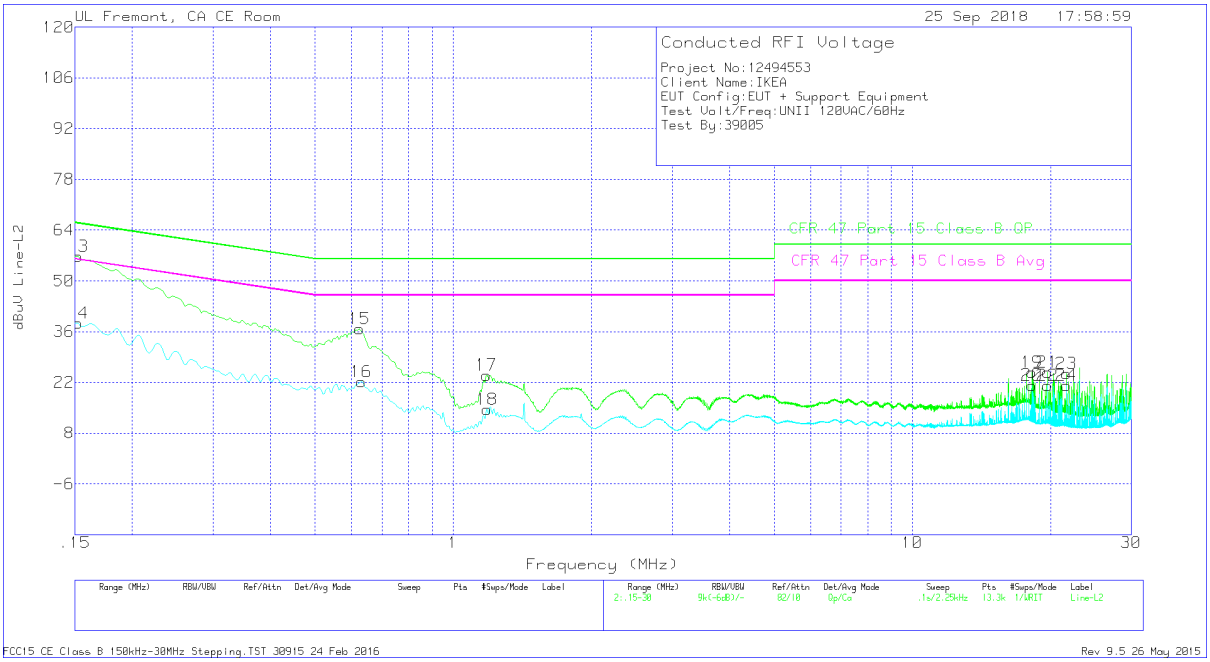
| Range 1: Line-L1 .15 - 30MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L1 | LC Cables C1&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR) Margin (dB) |
| 1 | .15675 | 47 | Qp | .1 | 0 | 10.1 | 57.2 | 65.63 | -8.43 | - | - |
| 2 | .159 | 28.97 | Ca | .1 | 0 | 10.1 | 39.17 | - | - | 55.52 | -16.35 |
| 3 | .627 | 27.11 | Qp | 0 | 0 | 10.1 | 37.21 | 56 | -18.79 | - | - |
| 4 | .63375 | 12.9 | Ca | 0 | 0 | 10.1 | 23 | - | - | 46 | -23 |
| 5 | 1.185 | 14.32 | Qp | 0 | .1 | 10.1 | 24.52 | 56 | -31.48 | - | - |
| 6 | 1.20075 | 5.25 | Ca | 0 | .1 | 10.1 | 15.45 | - | - | 46 | -30.55 |
| 7 | 16.2285 | 12 | Qp | .1 | .3 | 10.3 | 22.7 | 60 | -37.3 | - | - |
| 8 | 16.2285 | 8.17 | Ca | .1 | .3 | 10.3 | 18.87 | - | - | 50 | -31.13 |
| 9 | 18.24225 | 14.14 | Qp | .1 | .3 | 10.3 | 24.84 | 60 | -35.16 | - | - |
| 10 | 18.24225 | 10.53 | Ca | .1 | .3 | 10.3 | 21.23 | - | - | 50 | -28.77 |
| 11 | 23.12925 | 15.41 | Qp | .1 | .3 | 10.4 | 26.21 | 60 | -33.79 | - | - |
| 12 | 23.12925 | 12.13 | Ca | .1 | .3 | 10.4 | 22.93 | - | - | 50 | -27.07 |

Qp - Quasi-Peak detector
Ca - CISPR average detection




*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*

# LINE 2 RESULTS




## Trace Markers

| Range 2: Line-L2 .15 - 30MHz | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN L2 | LC Cables C2&C3 | Limiter (dB) | Corrected Reading dBuV | CFR 47 Part 15 Class B QP | QP Margin (dB) | CFR 47 Part 15 Class B Avg | Av(CISPR) Margin (dB) |
| 13 | .15225 | 46.56 | Qp | .1 | 0 | 10.1 | 56.76 | 65.88 | -9.12 | - | - |
| 14 | .15225 | 28.18 | Ca | .1 | 0 | 10.1 | 38.38 | - | - | 55.88 | -17.5 |
| 15 | .62475 | 26.62 | Qp | 0 | 0 | 10.1 | 36.72 | 56 | -19.28 | - | - |
| 16 | .6315 | 12.15 | Ca | 0 | 0 | 10.1 | 22.25 | - | - | 46 | -23.75 |
| 17 | 1.18275 | 13.81 | Qp | 0 | .1 | 10.1 | 24.01 | 56 | -31.99 | - | - |
| 18 | 1.185 | 4.35 | Ca | 0 | .1 | 10.1 | 14.55 | - | - | 46 | -31.45 |
| 19 | 18.24225 | 14.14 | Qp | .1 | .3 | 10.3 | 24.84 | 60 | -35.16 | - | - |
| 20 | 18.24225 | 10.53 | Ca | .1 | .3 | 10.3 | 21.23 | - | - | 50 | -28.77 |
| 21 | 19.70925 | 14.13 | Qp | .1 | .3 | 10.3 | 24.83 | 60 | -35.17 | - | - |
| 22 | 19.70925 | 10.43 | Ca | .1 | .3 | 10.3 | 21.13 | - | - | 50 | -28.87 |
| 23 | 21.66225 | 13.7 | Qp | .1 | .3 | 10.4 | 24.5 | 60 | -35.5 | - | - |
| 24 | 21.66225 | 10.36 | Ca | .1 | .3 | 10.4 | 21.16 | - | - | 50 | -28.84 |

Qp - Quasi-Peak detector
Ca - CISPR average detection



UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 771-1000 FAX:(510) 661-0888
*This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.*