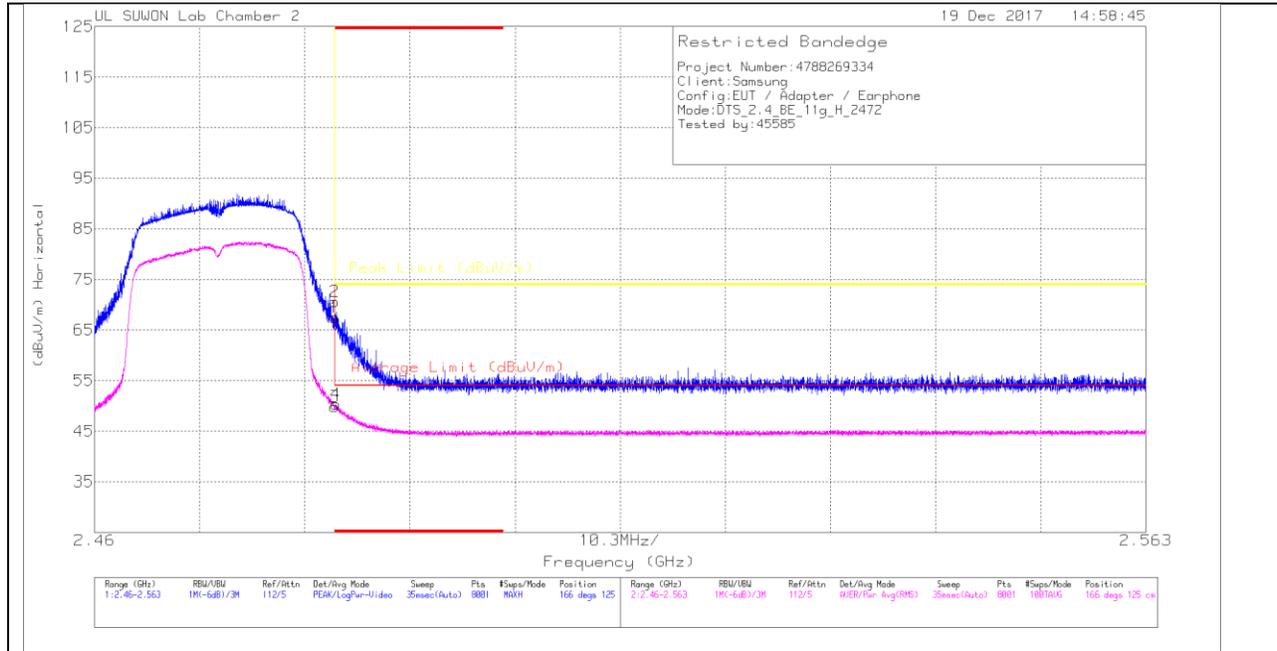


AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

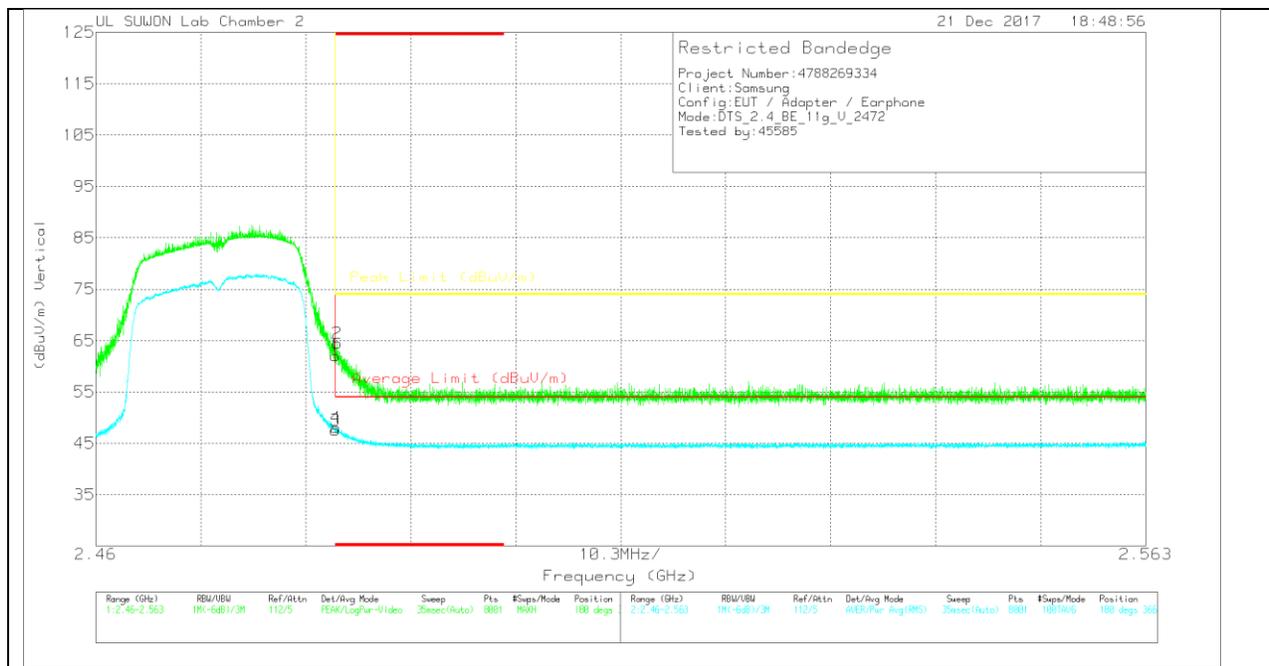
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117(00168724) | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 53.9 | Pk | | -18 | 0 | 67.5 | - | - | 74 | -6.5 | 166 | 125 | H |
| 2 | * 2.484 | 57.02 | Pk | | -18 | 0 | 70.62 | - | - | 74 | -3.38 | 166 | 125 | H |
| 3 | * 2.484 | 35.89 | RMS | | -18 | .3 | 49.79 | 54 | -4.21 | - | - | 166 | 125 | H |
| 4 | * 2.484 | 36.39 | RMS | | -18 | .3 | 50.29 | 54 | -3.71 | - | - | 166 | 125 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_311700168724 | 10dB(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 | * 2.484 | 48.47 | Pk | | 31.6 | -18 | 62.07 | - | - | 74 | -11.93 | 180 | 366 | V |
| 2 | * 2.484 | 50.87 | Pk | | 31.6 | -18 | 64.47 | - | - | 74 | -9.53 | 180 | 366 | V |
| 3 | * 2.484 | 33.63 | RMS | | 31.6 | -18 | 47.53 | 54 | -6.47 | - | - | 180 | 366 | V |
| 4 | * 2.484 | 34.15 | RMS | | 31.6 | -18 | 48.05 | 54 | -5.95 | - | - | 180 | 366 | V |

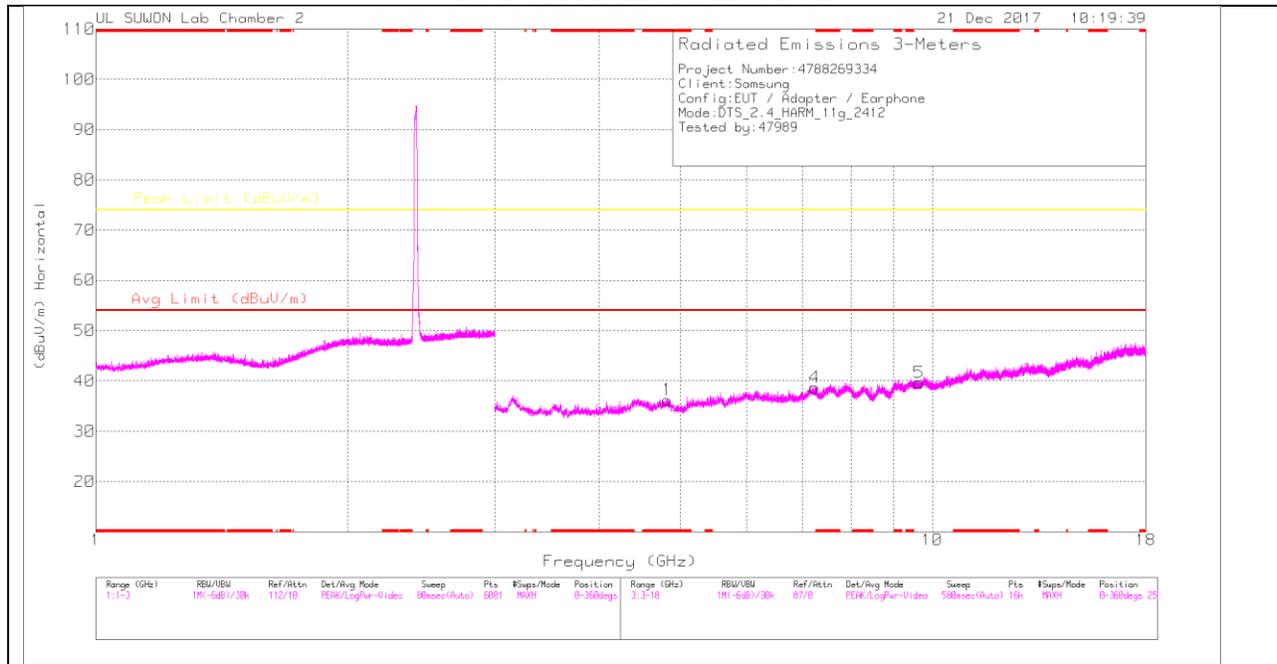
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

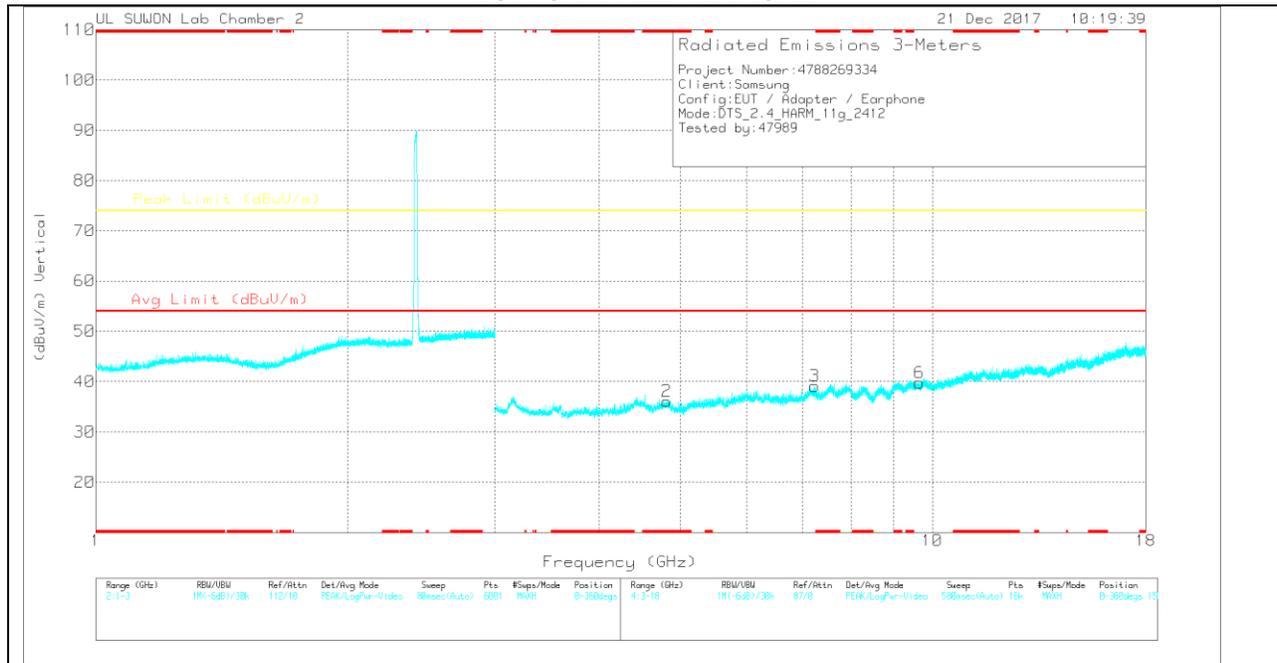
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

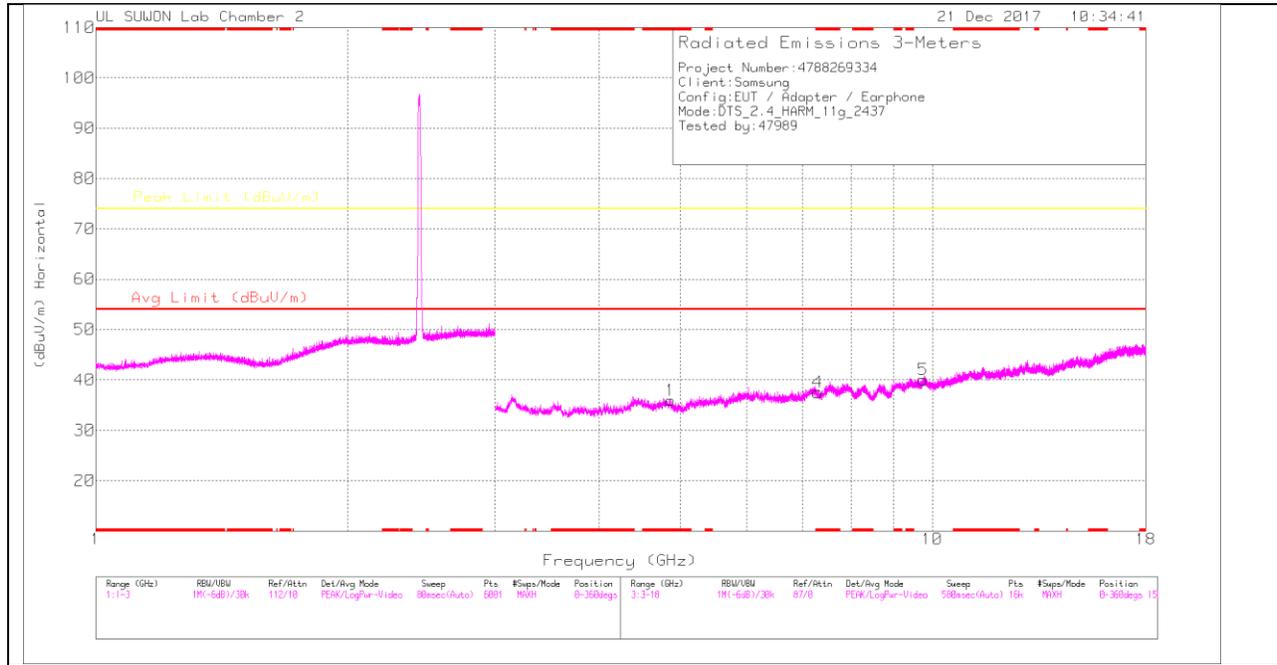
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HPI[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity | |
|--------|-----------------|----------------------|-----|-----------------------|--------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|---|
| 1 | * 4.826 | 26.71 | PK | | 33.8 | -24.3 | 0 | 36.21 | - | - | 74 | -37.79 | 0-360 | 150 | H |
| 4 | 7.234 | 24.71 | PK | | 35.9 | -21.9 | 0 | 38.71 | - | - | 74 | -35.29 | 0-360 | 250 | H |
| 5 | 9.642 | 21.13 | PK | | 36.8 | -18.3 | 0 | 39.63 | - | - | 74 | -34.37 | 0-360 | 150 | H |
| 2 | * 4.817 | 26.61 | PK | | 33.8 | -24.3 | 0 | 36.11 | - | - | 74 | -37.89 | 0-360 | 250 | V |
| 3 | 7.233 | 25.13 | PK | | 35.9 | -21.9 | 0 | 39.13 | - | - | 74 | -34.87 | 0-360 | 250 | V |
| 6 | 9.651 | 21.25 | PK | | 36.8 | -18.3 | 0 | 39.75 | - | - | 74 | -34.25 | 0-360 | 250 | V |

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

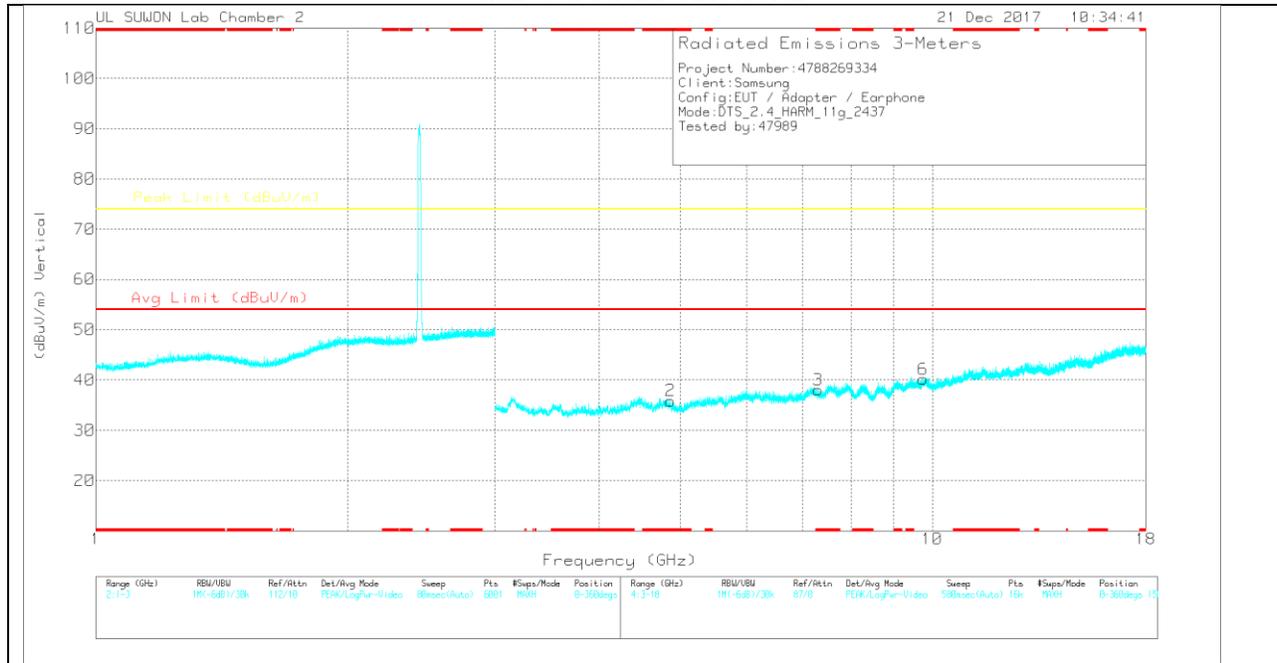
PK – Peak detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

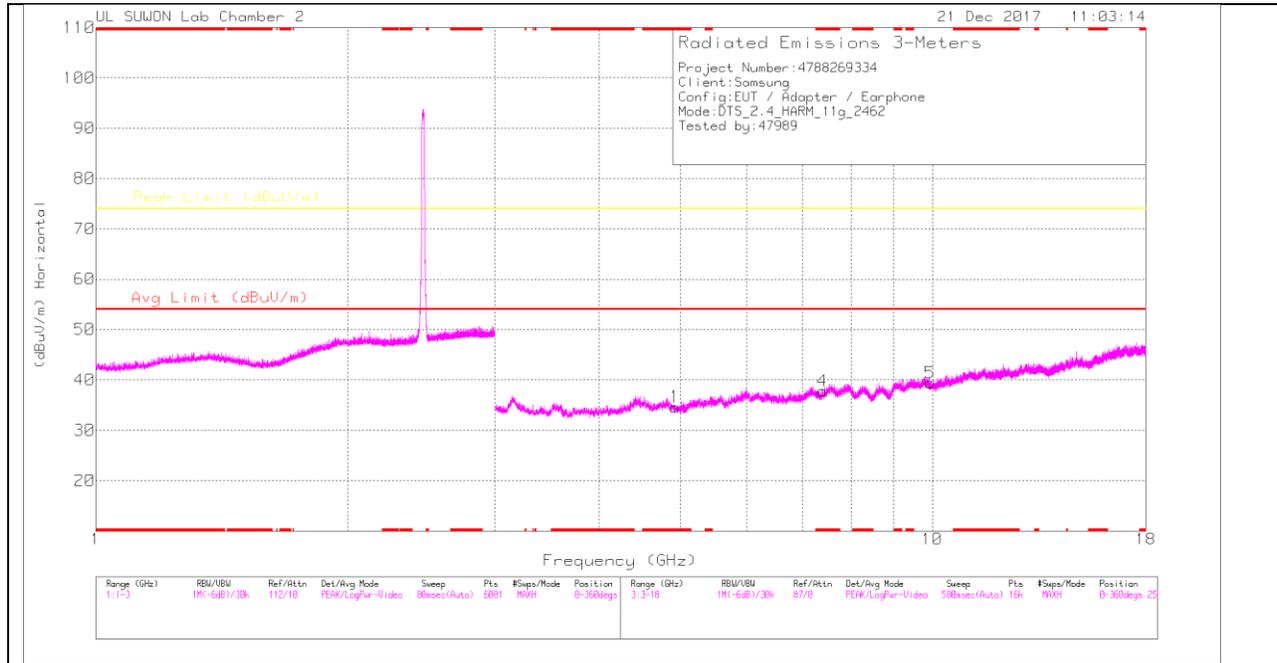
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HPI(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity | |
|--------|-----------------|----------------------|-----|-----------------------|--------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|---|
| 1 | * 4.867 | 26.65 | PK | | 33.8 | -24.5 | 0 | 35.95 | - | - | 74 | -38.05 | 0-360 | 250 | H |
| 4 | * 7.297 | 23.61 | PK | | 35.9 | -22 | 0 | 37.51 | - | - | 74 | -36.49 | 0-360 | 250 | H |
| 5 | 9.751 | 21.19 | PK | | 36.9 | -18.1 | 0 | 39.99 | - | - | 74 | -34.01 | 0-360 | 250 | H |
| 2 | * 4.862 | 26.48 | PK | | 33.8 | -24.4 | 0 | 35.88 | - | - | 74 | -38.12 | 0-360 | 250 | V |
| 3 | * 7.3 | 24.13 | PK | | 35.9 | -22 | 0 | 38.03 | - | - | 74 | -35.97 | 0-360 | 150 | V |
| 6 | 9.748 | 21.37 | PK | | 36.9 | -18.1 | 0 | 40.17 | - | - | 74 | -33.83 | 0-360 | 150 | V |

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

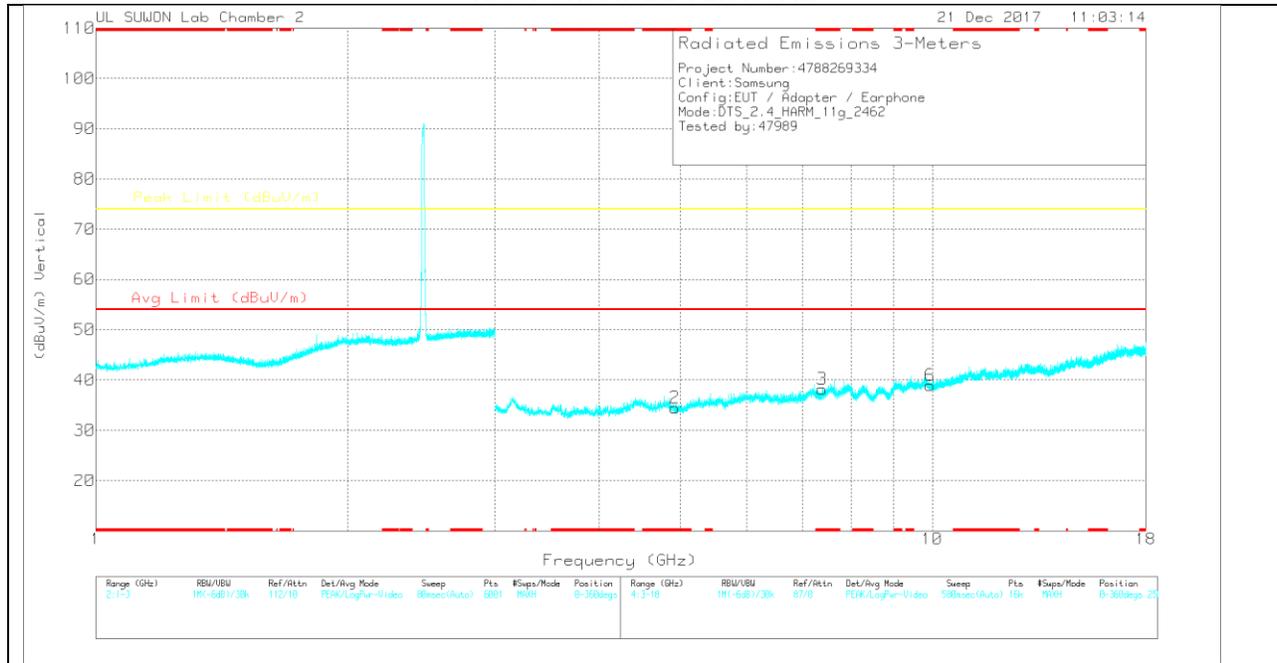
PK – Peak detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HPI(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity | |
|--------|-----------------|----------------------|-----|-----------------------|--------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|---|
| 1 | * 4.921 | 25.52 | PK | | 33.8 | -24.7 | 0 | 34.62 | - | - | 74 | -39.38 | 0-360 | 250 | H |
| 4 | * 7.393 | 23.19 | PK | | 35.9 | -21.3 | 0 | 37.79 | - | - | 74 | -36.21 | 0-360 | 150 | H |
| 5 | 9.939 | 20.21 | PK | | 37.1 | -17.9 | 0 | 39.41 | - | - | 74 | -34.59 | 0-360 | 250 | H |
| 2 | * 4.925 | 25.38 | PK | | 33.8 | -24.7 | 0 | 34.48 | - | - | 74 | -39.52 | 0-360 | 250 | V |
| 3 | * 7.385 | 23.72 | PK | | 35.9 | -21.4 | 0 | 38.22 | - | - | 74 | -35.78 | 0-360 | 250 | V |
| 6 | 9.938 | 19.74 | PK | | 37.1 | -17.9 | 0 | 38.94 | - | - | 74 | -35.06 | 0-360 | 250 | V |

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

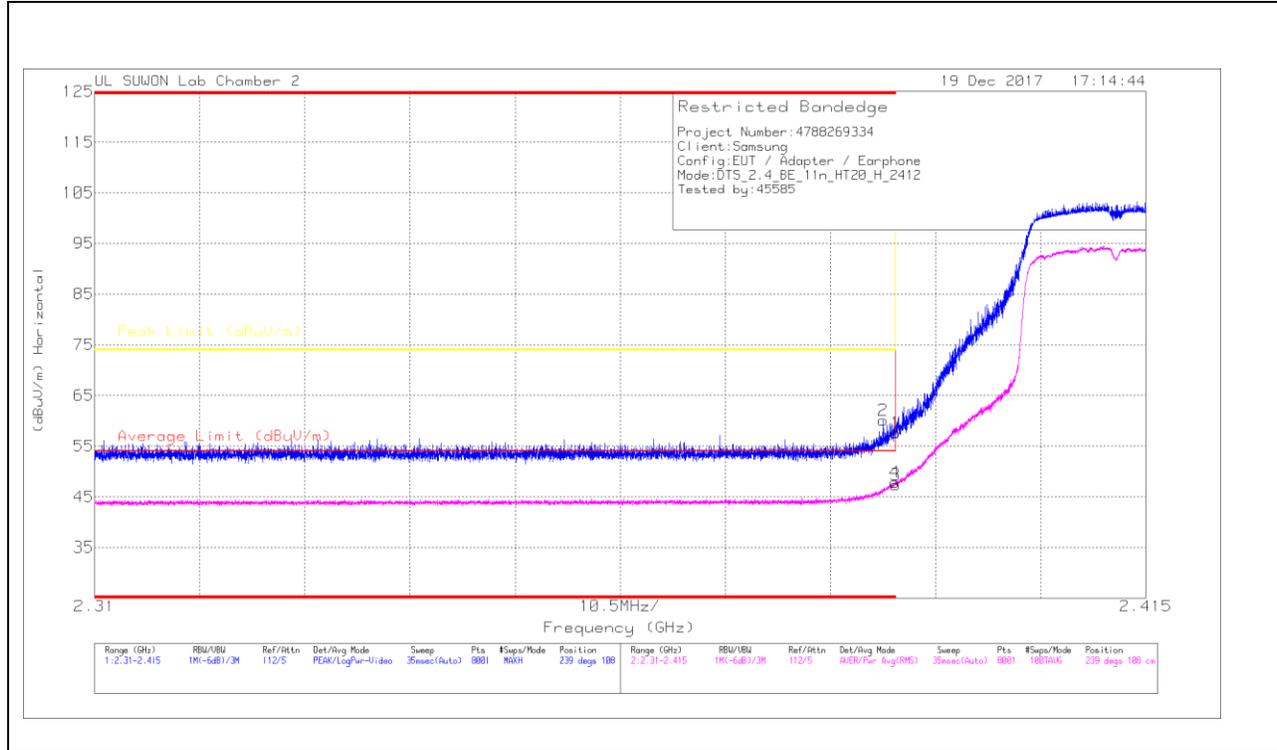
PK – Peak detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

10.2.3.TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

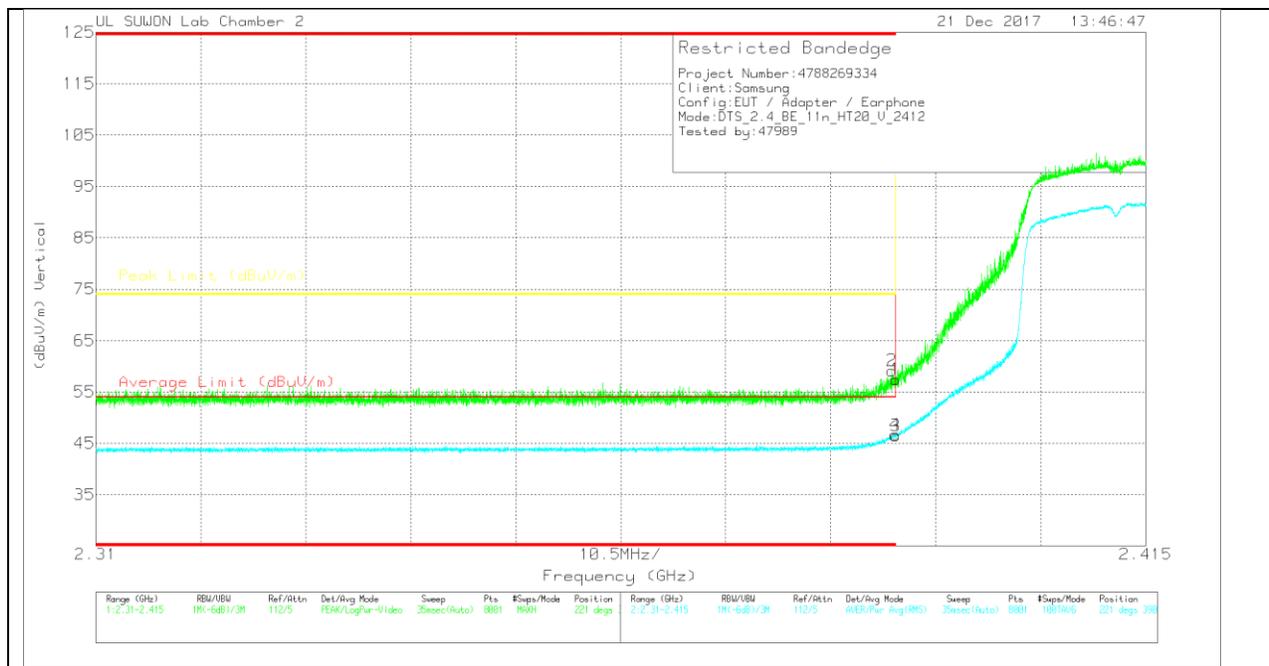
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_311700168724 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 44.47 | Pk | 31.3 | -18.2 | 0 | 57.57 | - | - | 74 | -16.43 | 239 | 108 | H |
| 2 | * 2.389 | 46.95 | Pk | 31.3 | -18.2 | 0 | 60.05 | - | - | 74 | -13.95 | 239 | 108 | H |
| 3 | * 2.39 | 33.99 | RMS | 31.3 | -18.2 | .32 | 47.41 | 54 | -6.59 | - | - | 239 | 108 | H |
| 4 | * 2.39 | 34.44 | RMS | 31.3 | -18.2 | .32 | 47.86 | 54 | -6.14 | - | - | 239 | 108 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_311700168724 | 10dB(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 | * 2.39 | 44.36 | Pk | 31.3 | -18.2 | 0 | 57.46 | - | - | 74 | -16.54 | 221 | 390 | V |
| 2 | * 2.39 | 46.05 | Pk | 31.3 | -18.2 | 0 | 59.15 | - | - | 74 | -14.85 | 221 | 390 | V |
| 3 | * 2.39 | 33.06 | RMS | 31.3 | -18.2 | .32 | 46.48 | 54 | -7.52 | - | - | 221 | 390 | V |
| 4 | * 2.39 | 33.29 | RMS | 31.3 | -18.2 | .32 | 46.71 | 54 | -7.29 | - | - | 221 | 390 | V |

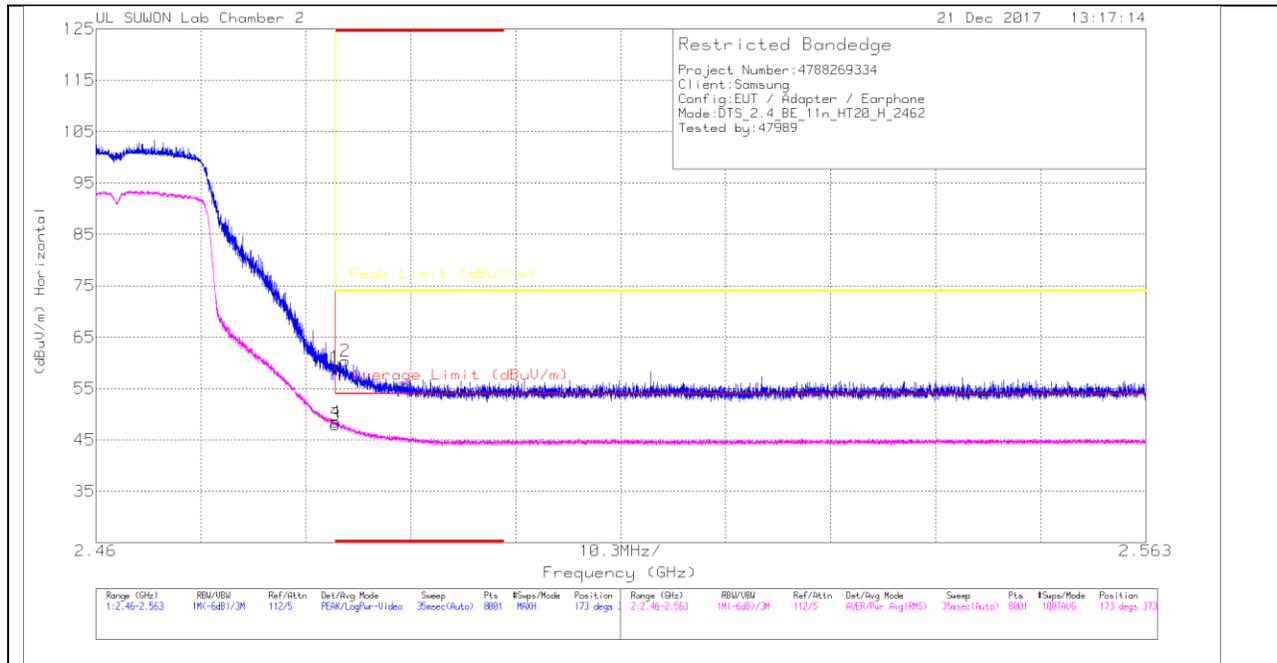
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

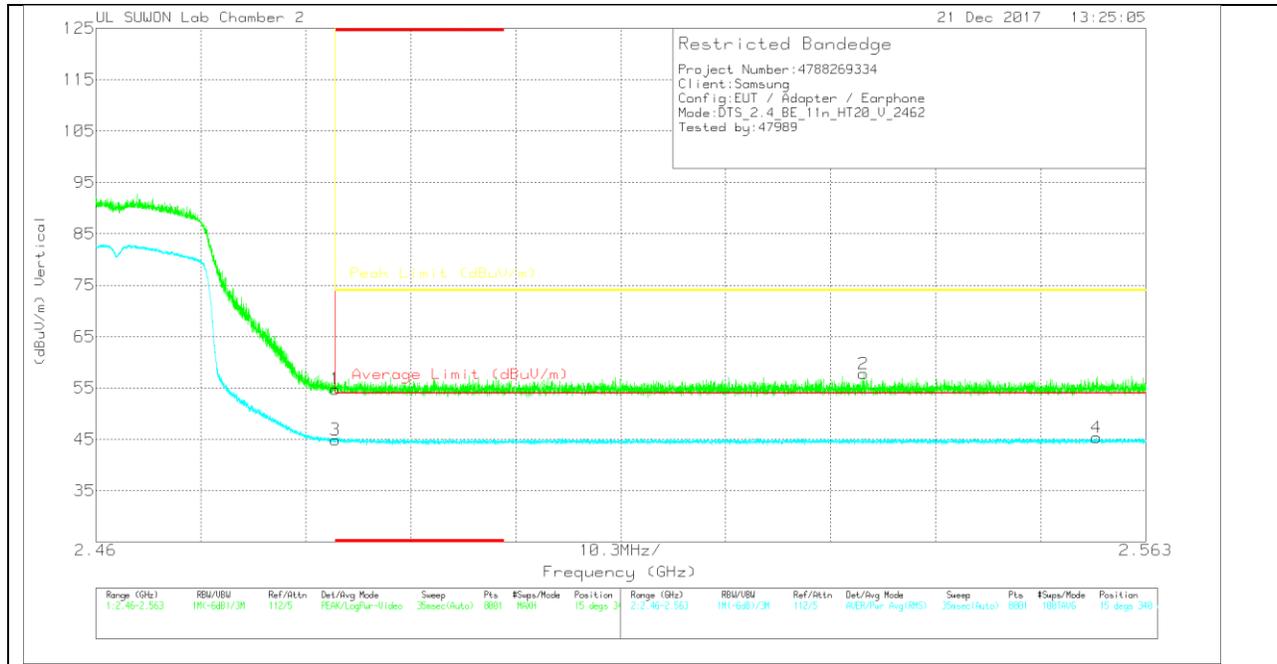
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117(00168724) | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 45.64 | Pk | 31.6 | -18 | 0 | 59.24 | - | - | 74 | -14.76 | 173 | 373 | H |
| 2 | * 2.484 | 46.78 | Pk | 31.6 | -18 | 0 | 60.38 | - | - | 74 | -13.62 | 173 | 373 | H |
| 3 | * 2.484 | 34.02 | RMS | 31.6 | -18 | -32 | 47.94 | 54 | -6.06 | - | - | 173 | 373 | H |
| 4 | * 2.484 | 34.57 | RMS | 31.6 | -18 | -32 | 48.49 | 54 | -5.51 | - | - | 173 | 373 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_311700168724 | 10dB(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 | * 2.484 | 41.2 | Pk | | 31.6 | -18 | 54.8 | - | - | 74 | -19.2 | 15 | 340 | V |
| 2 | 2.535 | 44.08 | Pk | | 31.7 | -18 | 57.78 | - | - | 74 | -16.22 | 15 | 340 | V |
| 3 | * 2.484 | 30.99 | RMS | | 31.6 | -18 | 44.91 | 54 | -9.09 | - | - | 15 | 340 | V |
| 4 | 2.558 | 31.32 | RMS | | 31.7 | -18 | 45.34 | 54 | -8.66 | - | - | 15 | 340 | V |

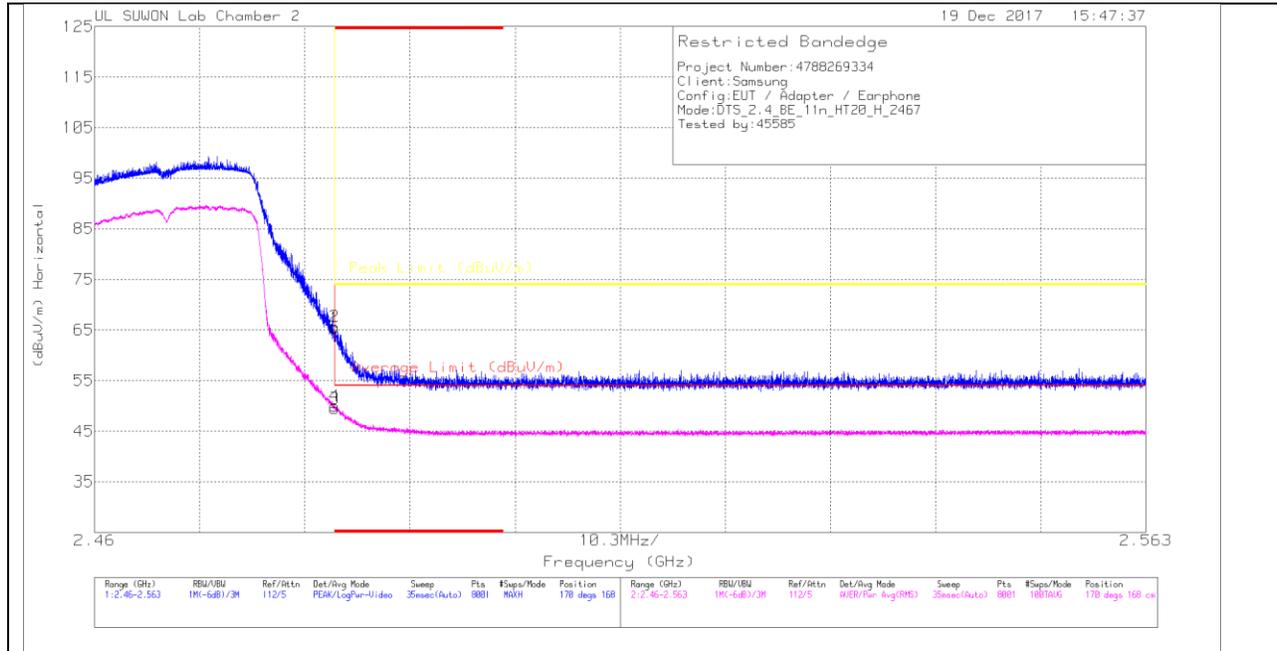
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

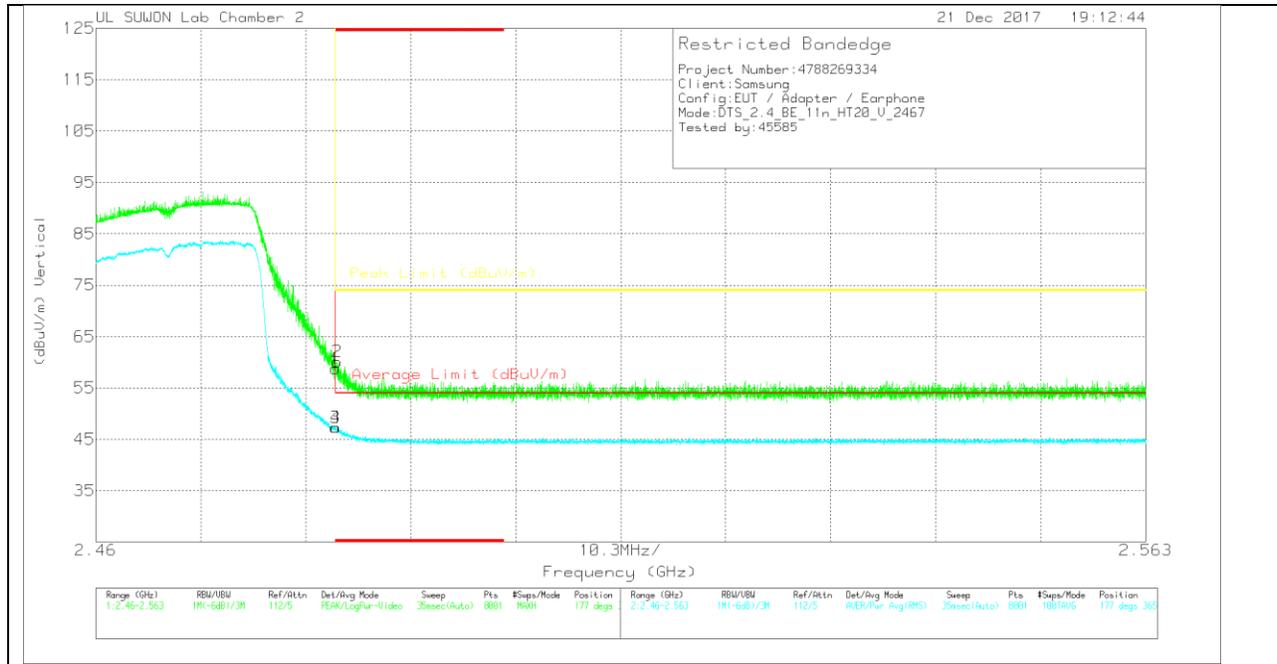
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117(00168724) | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 51.86 | Pk | | 31.6 | -18 | 65.46 | - | - | 74 | -8.54 | 170 | 168 | H |
| 2 | * 2.484 | 52.07 | Pk | | 31.6 | -18 | 65.67 | - | - | 74 | -8.33 | 170 | 168 | H |
| 3 | * 2.484 | 35.51 | RMS | | 31.6 | -18 | 49.43 | 54 | -4.57 | - | - | 170 | 168 | H |
| 4 | * 2.484 | 36.09 | RMS | | 31.6 | -18 | 50.01 | 54 | -3.99 | - | - | 170 | 168 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

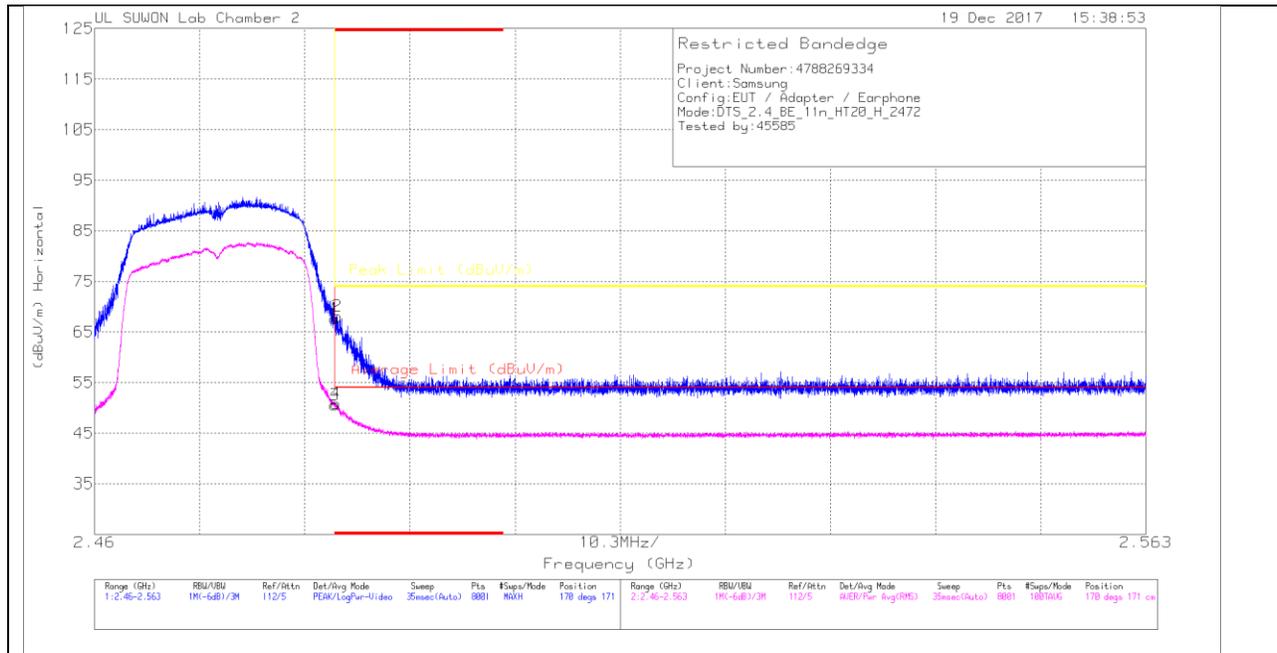
Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_311700168724 | 10dB(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 | * 2.484 | 45.13 | Pk | | 31.6 | -18 | 58.73 | - | - | 74 | -15.27 | 177 | 365 | V |
| 2 | * 2.484 | 46.52 | Pk | | 31.6 | -18 | 60.12 | - | - | 74 | -13.88 | 177 | 365 | V |
| 3 | * 2.484 | 33.41 | RMS | | 31.6 | -18 | 47.33 | 54 | -6.67 | - | - | 177 | 365 | V |
| 4 | * 2.484 | 33.37 | RMS | | 31.6 | -18 | 47.29 | 54 | -6.71 | - | - | 177 | 365 | V |

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

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

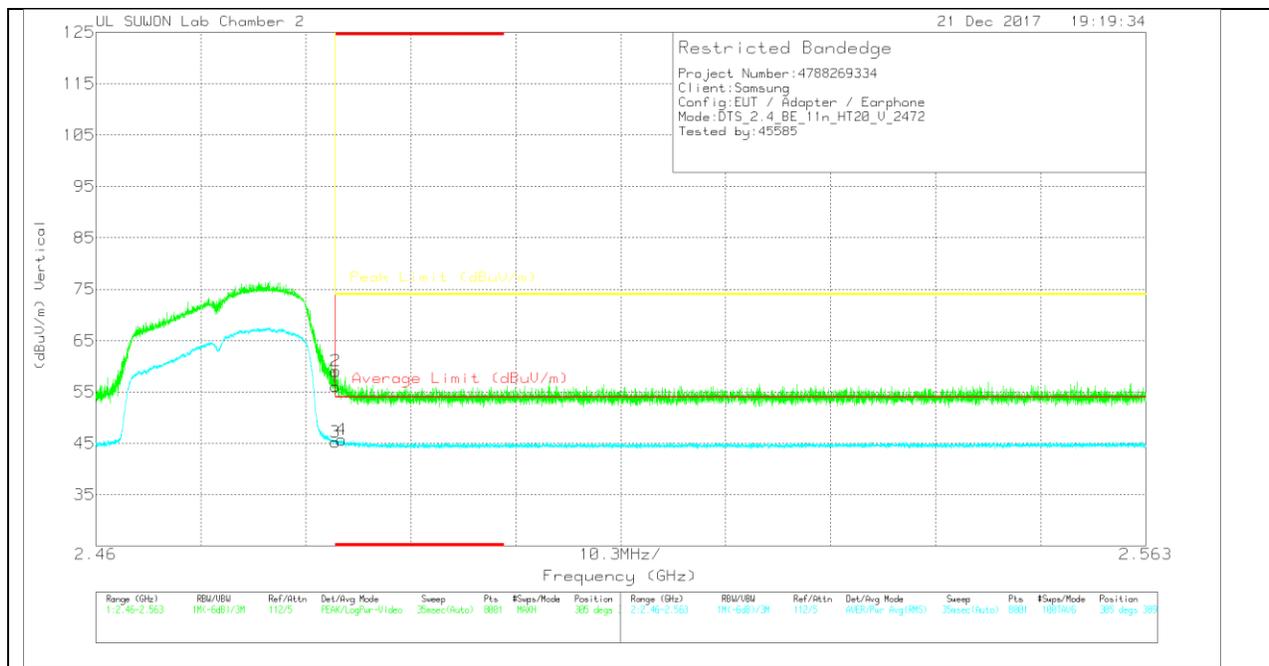
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117(00168724) | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 54 | Pk | | -18 | 0 | 67.6 | - | - | 74 | -6.4 | 170 | 171 | H |
| 2 | * 2.484 | 54.48 | Pk | | -18 | 0 | 68.08 | - | - | 74 | -5.92 | 170 | 171 | H |
| 3 | * 2.484 | 36.62 | RMS | | -18 | -32 | 50.54 | 54 | -3.46 | - | - | 170 | 171 | H |
| 4 | * 2.484 | 36.9 | RMS | | -18 | -32 | 50.82 | 54 | -3.18 | - | - | 170 | 171 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_311700168724 | 10dB(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 | * 2.484 | 42.47 | Pk | | 31.6 | -18 | 56.07 | - | - | 74 | -17.93 | 305 | 389 | V |
| 2 | * 2.484 | 45.49 | Pk | | 31.6 | -18 | 59.09 | - | - | 74 | -14.91 | 305 | 389 | V |
| 3 | * 2.484 | 31.33 | RMS | | 31.6 | -18 | 45.25 | 54 | -8.75 | - | - | 305 | 389 | V |
| 4 | * 2.484 | 31.77 | RMS | | 31.6 | -18 | 45.69 | 54 | -8.31 | - | - | 305 | 389 | V |

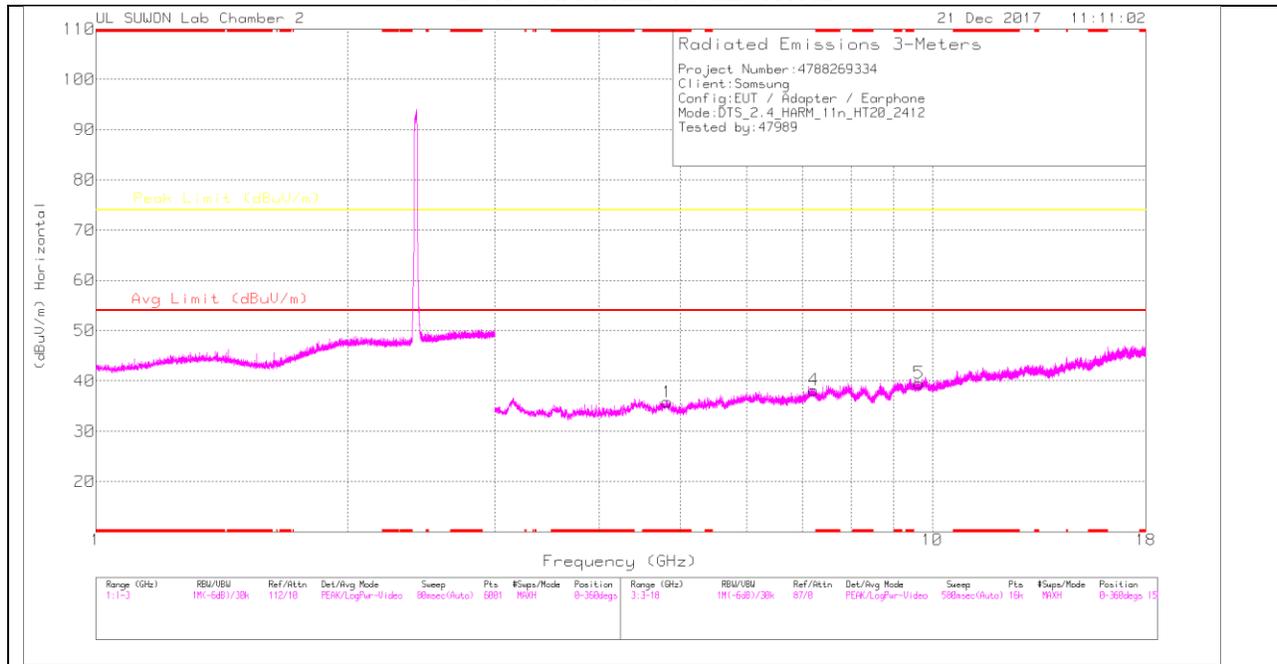
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

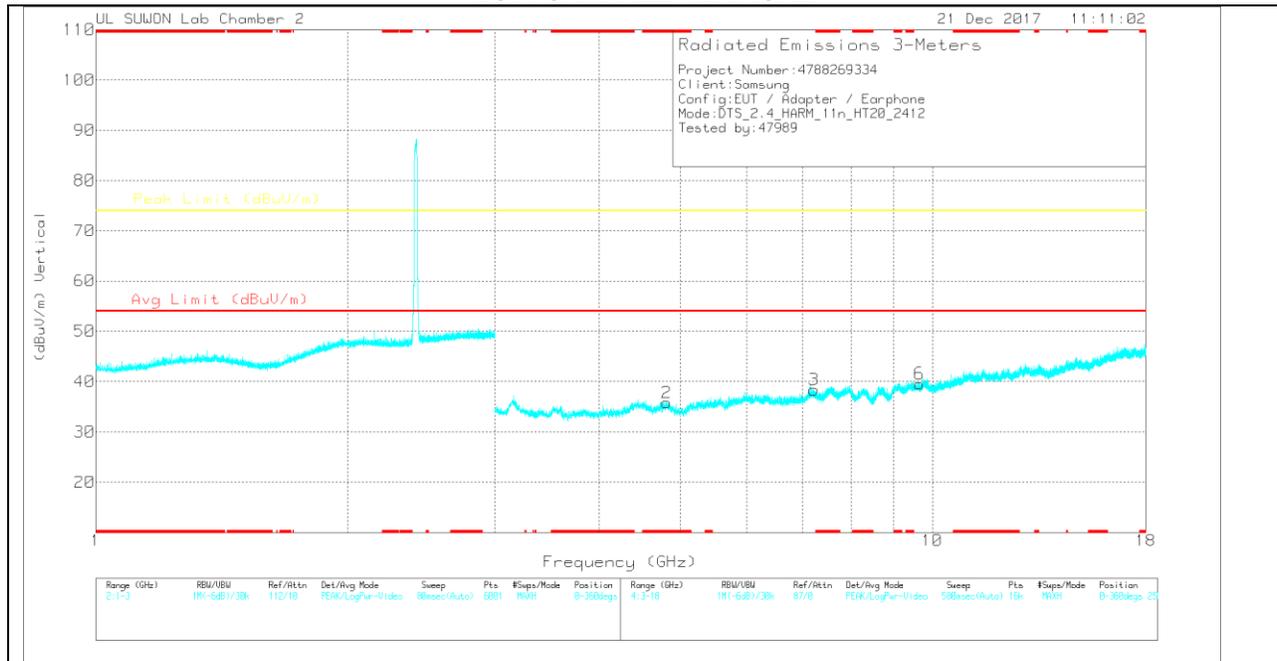
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Trace Markers

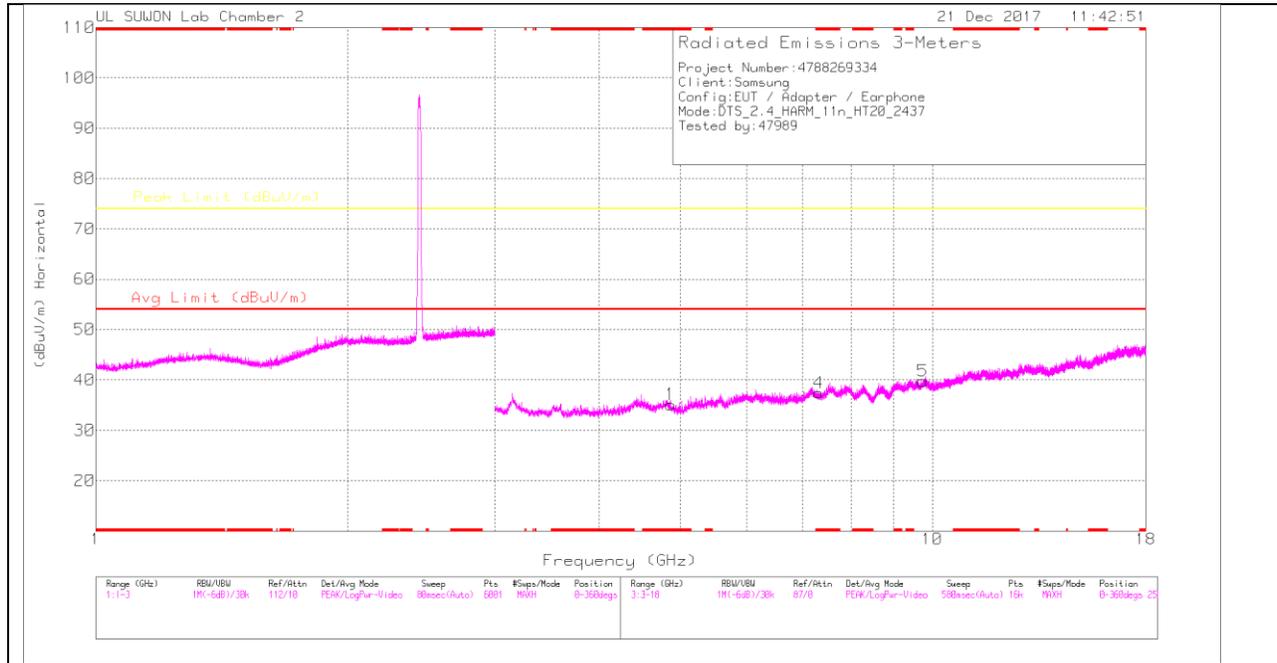
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HPI[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity | |
|--------|-----------------|----------------------|-----|-----------------------|--------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|---|
| 1 | * 4.82 | 26.29 | PK | | 33.8 | -24.3 | 0 | 35.79 | - | - | 74 | -38.21 | 0-360 | 250 | H |
| 4 | 7.218 | 24.11 | PK | | 35.9 | -21.8 | 0 | 38.21 | - | - | 74 | -35.79 | 0-360 | 150 | H |
| 5 | 9.642 | 21.08 | PK | | 36.8 | -18.3 | 0 | 39.58 | - | - | 74 | -34.42 | 0-360 | 250 | H |
| 2 | * 4.817 | 26.32 | PK | | 33.8 | -24.3 | 0 | 35.82 | - | - | 74 | -38.18 | 0-360 | 250 | V |
| 3 | 7.22 | 24.29 | PK | | 35.9 | -21.8 | 0 | 38.39 | - | - | 74 | -35.61 | 0-360 | 150 | V |
| 6 | 9.647 | 21.07 | PK | | 36.8 | -18.3 | 0 | 39.57 | - | - | 74 | -34.43 | 0-360 | 150 | V |

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

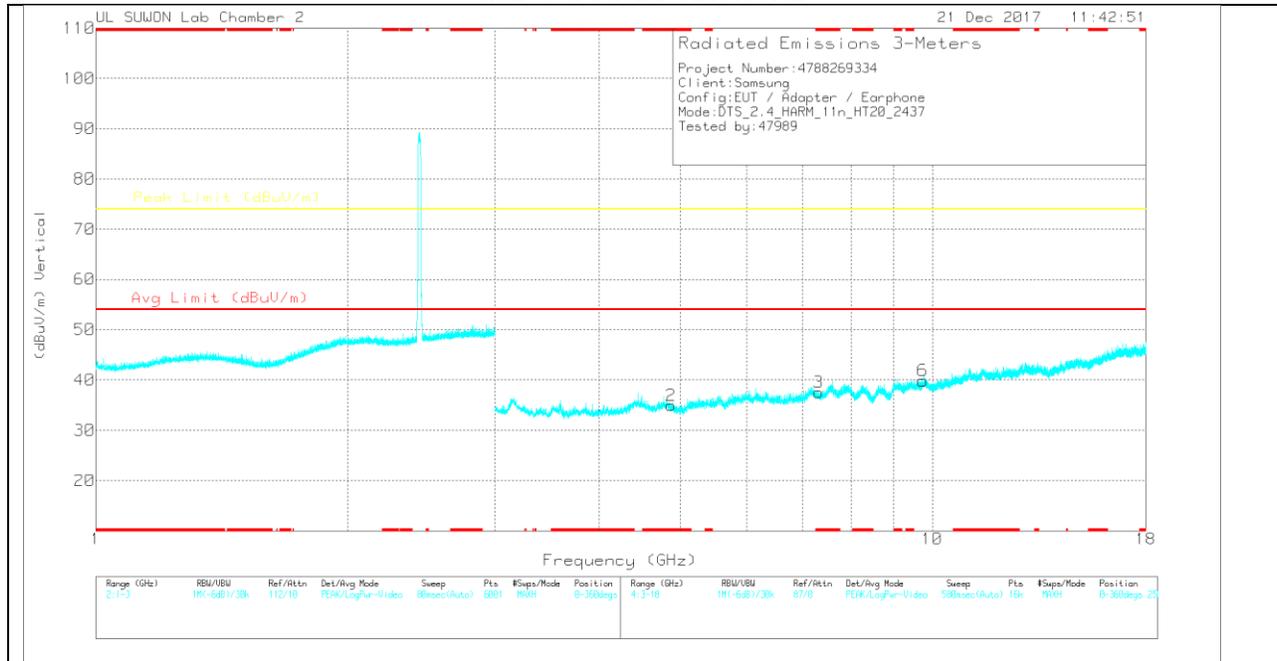
PK – Peak detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Trace Markers

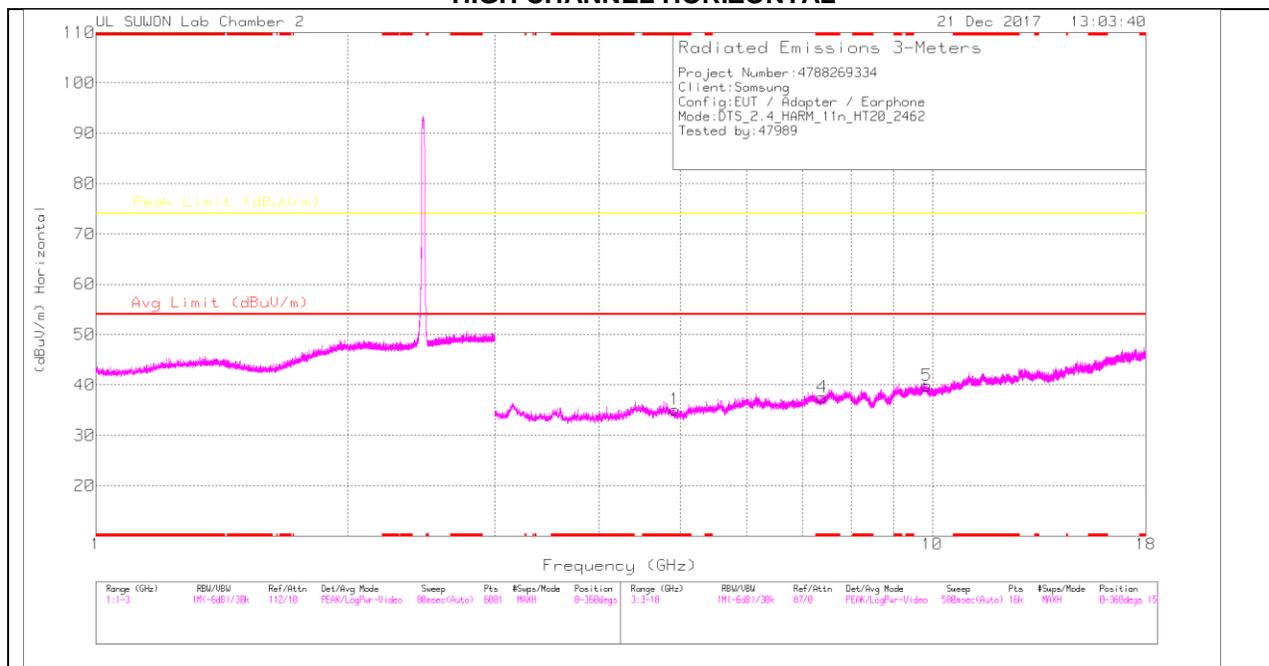
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HIP(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity | |
|--------|-----------------|----------------------|-----|-----------------------|--------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|---|
| 1 | * 4.868 | 25.81 | PK | | 33.8 | -24.5 | 0 | 35.11 | - | - | 74 | -38.89 | 0-360 | 250 | H |
| 4 | * 7.316 | 23.53 | PK | | 35.9 | -22 | 0 | 37.43 | - | - | 74 | -36.57 | 0-360 | 150 | H |
| 5 | 9.745 | 20.95 | PK | | 36.9 | -18.1 | 0 | 39.75 | - | - | 74 | -34.25 | 0-360 | 250 | H |
| 2 | * 4.871 | 25.65 | PK | | 33.8 | -24.5 | 0 | 34.95 | - | - | 74 | -39.05 | 0-360 | 250 | V |
| 3 | * 7.315 | 23.63 | PK | | 35.9 | -22 | 0 | 37.53 | - | - | 74 | -36.47 | 0-360 | 250 | V |
| 6 | 9.742 | 21.07 | PK | | 36.9 | -18.1 | 0 | 39.87 | - | - | 74 | -34.13 | 0-360 | 150 | V |

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

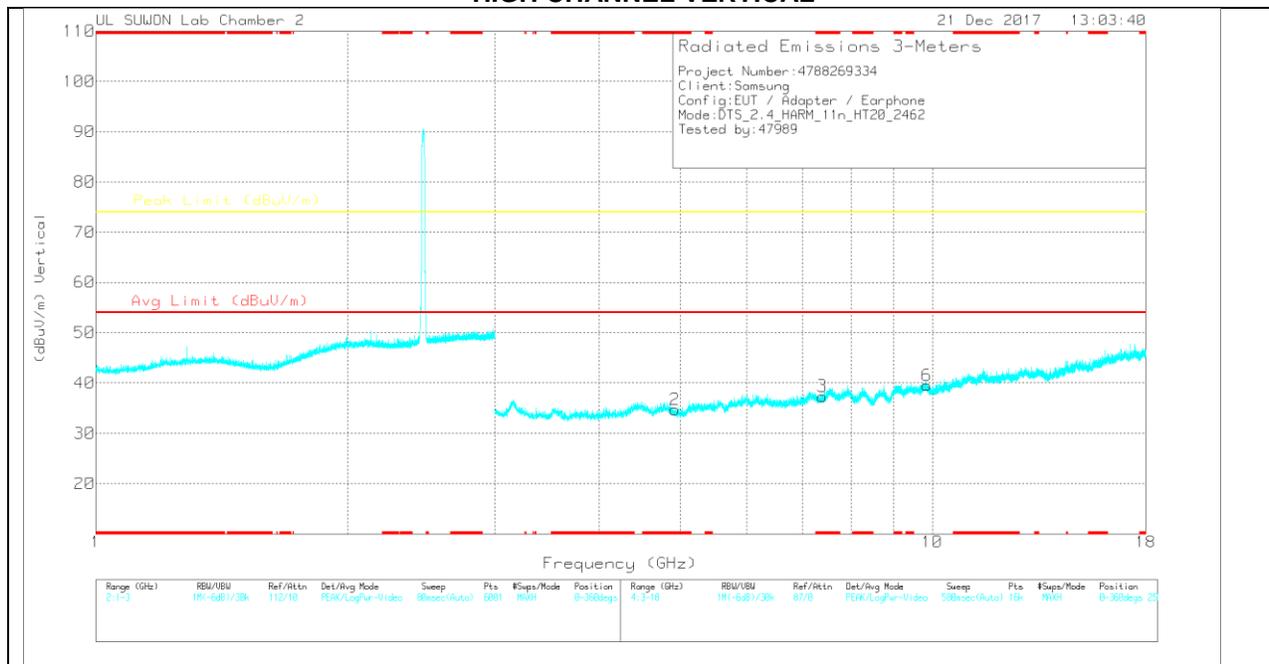
PK – Peak detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Trace Markers

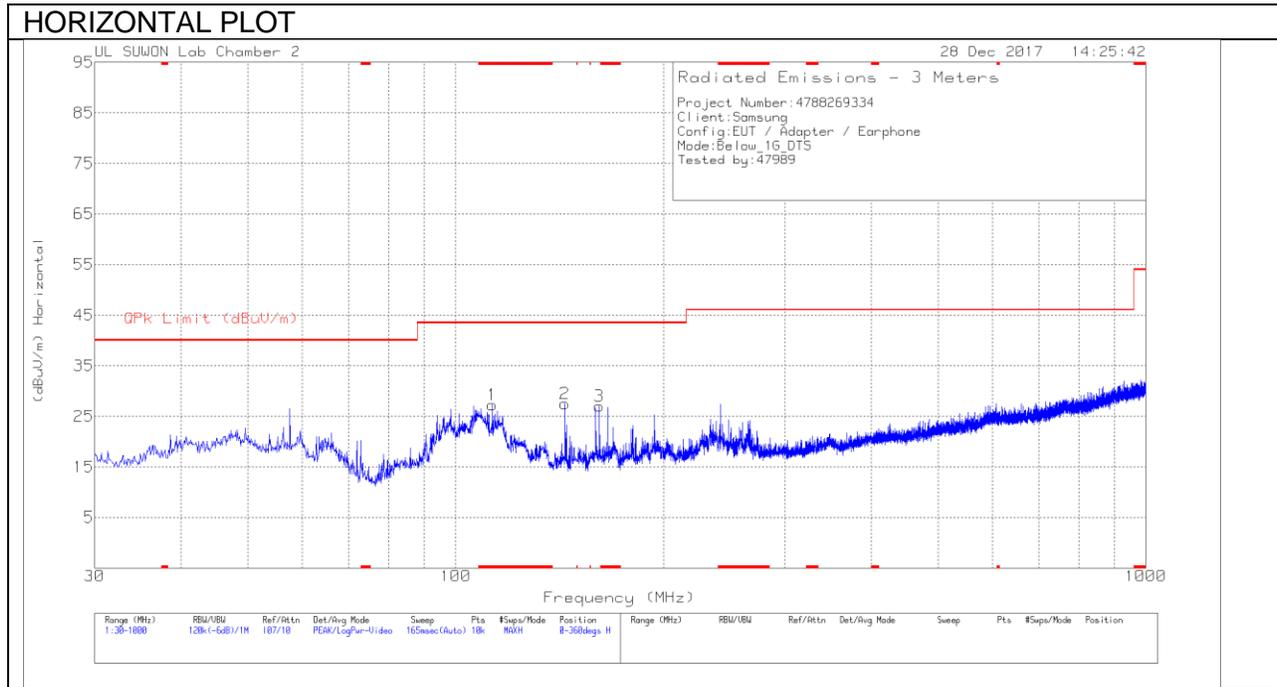
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HPI(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity | |
|--------|-----------------|----------------------|-----|-----------------------|--------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|---|
| 1 | * 4.926 | 26.03 | PK | | 33.8 | -24.7 | 0 | 35.13 | - | - | 74 | -38.87 | 0-360 | 150 | H |
| 4 | * 7.384 | 23.08 | PK | | 35.9 | -21.4 | 0 | 37.58 | - | - | 74 | -36.42 | 0-360 | 250 | H |
| 5 | 9.852 | 20.78 | PK | | 37 | -17.9 | 0 | 39.88 | - | - | 74 | -34.12 | 0-360 | 250 | H |
| 2 | * 4.923 | 25.61 | PK | | 33.8 | -24.7 | 0 | 34.71 | - | - | 74 | -39.29 | 0-360 | 150 | V |
| 3 | * 7.389 | 22.84 | PK | | 35.9 | -21.4 | 0 | 37.34 | - | - | 74 | -36.66 | 0-360 | 250 | V |
| 6 | 9.85 | 20.44 | PK | | 37 | -17.9 | 0 | 39.54 | - | - | 74 | -34.46 | 0-360 | 150 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak detector

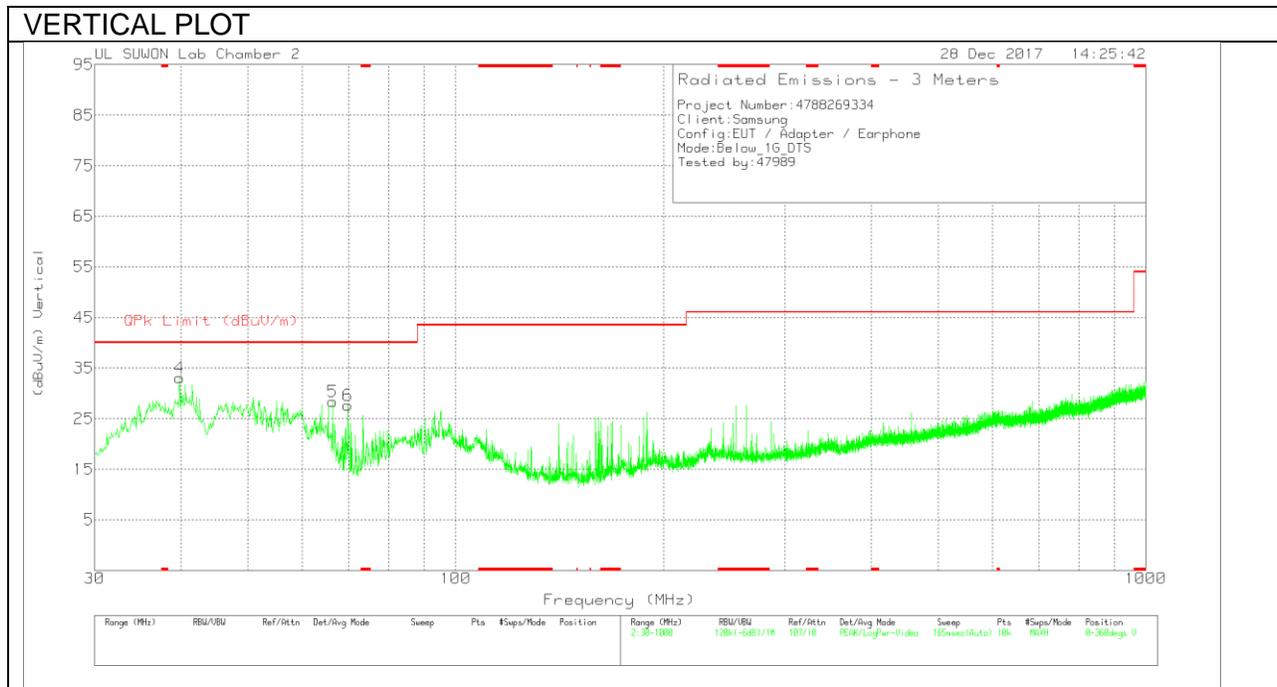
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

10.3. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)



Below 1G Data

Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163-749 | 30-1000MHz[dB] | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1 | * 113.129 | 41.43 | Pk | 16.8 | -31 | 27.23 | 43.52 | -16.29 | 0-360 | 200 | H |
| 2 | 144.072 | 44.85 | Pk | 13.5 | -30.8 | 27.55 | 43.52 | -15.97 | 0-360 | 400 | H |
| 3 | 161.532 | 43.42 | Pk | 14.3 | -30.7 | 27.02 | 43.52 | -16.5 | 0-360 | 300 | H |
| 4 | 39.797 | 45.72 | Pk | 18.9 | -31.5 | 33.12 | 40 | -6.88 | 0-360 | 100 | V |
| 5 | 66.375 | 43.29 | Pk | 16.4 | -31.3 | 28.39 | 40 | -11.61 | 0-360 | 200 | V |
| 6 | 69.867 | 43.67 | Pk | 15.2 | -31.3 | 27.57 | 40 | -12.43 | 0-360 | 100 | V |

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

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
IC RSS-GEN Clause 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.

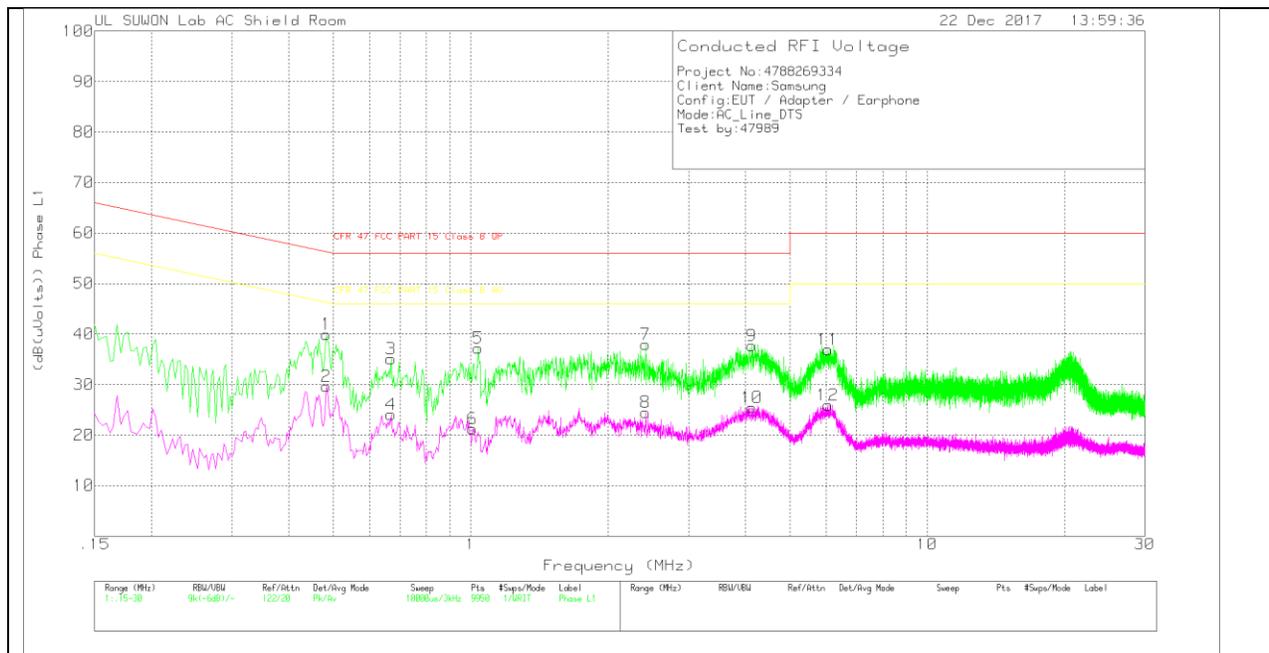
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

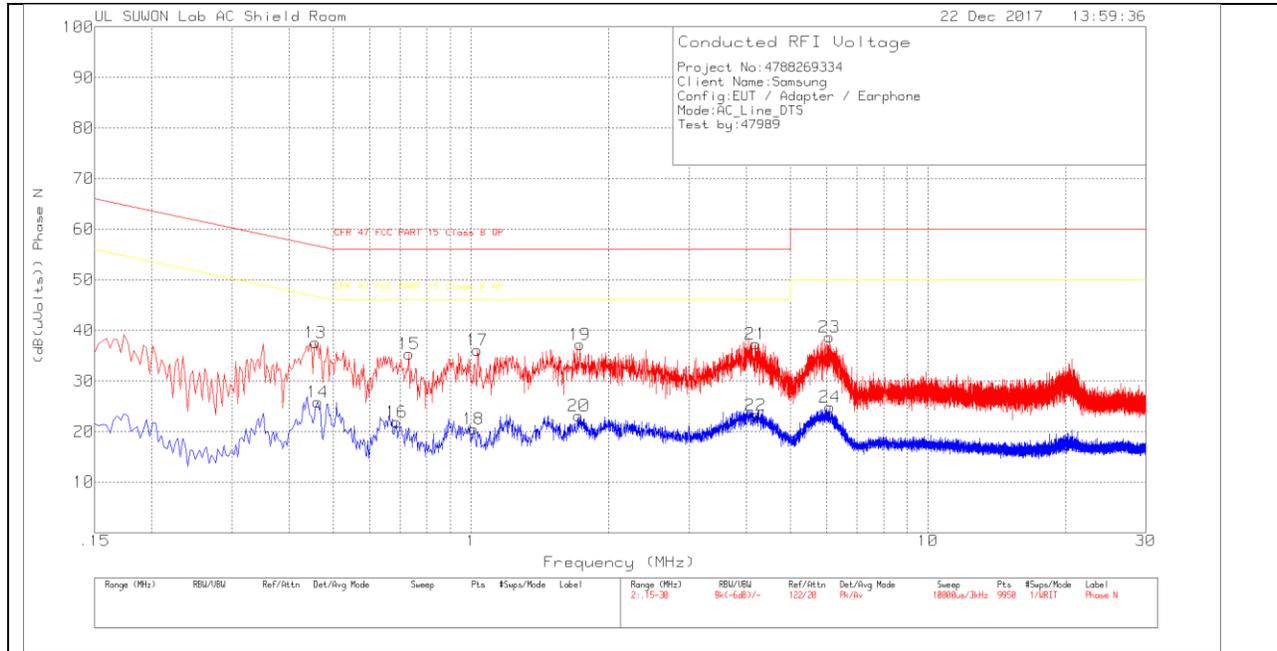
Trace Markers

Range 1: Phase L1 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 101837_L1_wit h extension | CABLELOSS(dB) | Corrected Reading (dB(uVolts)) | CFR 47 FCC PART 15 Class B QP | Margin (dB) | CFR 47 FCC PART 15 Class B AV | Margin (dB) |
|--------|-----------------|----------------------|-----|---------------------------|---------------|--------------------------------|-------------------------------|-------------|-------------------------------|-------------|
| 1 | .483 | 30.08 | Pk | 9.7 | .2 | 39.98 | 56.29 | -16.31 | - | - |
| 2 | .483 | 19.71 | Av | 9.7 | .2 | 29.61 | - | - | 46.29 | -16.68 |
| 3 | .669 | 25.15 | Pk | 9.8 | .2 | 35.15 | 56 | -20.85 | - | - |
| 4 | .669 | 14.07 | Av | 9.8 | .2 | 24.07 | - | - | 46 | -21.93 |
| 5 | 1.038 | 27.06 | Pk | 9.8 | .3 | 37.16 | 56 | -18.84 | - | - |
| 6 | 1.008 | 11.18 | Av | 9.8 | .3 | 21.28 | - | - | 46 | -24.72 |
| 7 | 2.418 | 27.89 | Pk | 9.8 | .3 | 37.99 | 56 | -18.01 | - | - |
| 8 | 2.418 | 14.42 | Av | 9.8 | .3 | 24.52 | - | - | 46 | -21.48 |
| 9 | 4.128 | 27.64 | Pk | 9.7 | .3 | 37.64 | 56 | -18.36 | - | - |
| 10 | 4.131 | 15.5 | Av | 9.7 | .3 | 25.5 | - | - | 46 | -20.5 |
| 11 | 6.066 | 26.91 | Pk | 9.7 | .3 | 36.91 | 60 | -23.09 | - | - |
| 12 | 6.057 | 15.89 | Av | 9.7 | .3 | 25.89 | - | - | 50 | -24.11 |

Pk - Peak detector
 Av - Average detection

LINE 2 PLOT



LINE 2 RESULTS

Trace Markers

Range 2: Phase N .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 101837_N_with extension | CABLELOSS(dB) | Corrected Reading (dB(uVolts)) | CFR 47 FCC PART 15 Class B QP | Margin (dB) | CFR 47 FCC PART 15 Class B AV | Margin (dB) |
|--------|-----------------|----------------------|-----|-------------------------|---------------|--------------------------------|-------------------------------|-------------|-------------------------------|-------------|
| 13 | .456 | 27.56 | Pk | 9.8 | .2 | 37.56 | 56.77 | -19.21 | - | - |
| 14 | .462 | 15.87 | Av | 9.8 | .2 | 25.87 | - | - | 46.66 | -20.79 |
| 15 | .732 | 25.41 | Pk | 9.7 | .2 | 35.31 | 56 | -20.69 | - | - |
| 16 | .687 | 11.82 | Av | 9.8 | .2 | 21.82 | - | - | 46 | -24.18 |
| 17 | 1.032 | 25.85 | Pk | 9.9 | .3 | 36.05 | 56 | -19.95 | - | - |
| 18 | 1.014 | 10.35 | Av | 9.9 | .3 | 20.55 | - | - | 46 | -25.45 |
| 19 | 1.731 | 26.96 | Pk | 9.9 | .3 | 37.16 | 56 | -18.84 | - | - |
| 20 | 1.722 | 12.87 | Av | 9.9 | .3 | 23.07 | - | - | 46 | -22.93 |
| 21 | 4.194 | 27.19 | Pk | 9.8 | .3 | 37.29 | 56 | -18.71 | - | - |
| 22 | 4.191 | 13.13 | Av | 9.8 | .3 | 23.23 | - | - | 46 | -22.77 |
| 23 | 6.093 | 28.53 | Pk | 9.8 | .3 | 38.63 | 60 | -21.37 | - | - |
| 24 | 6.099 | 14.71 | Av | 9.8 | .3 | 24.81 | - | - | 50 | -25.19 |

Pk - Peak detector

Av - Average detection