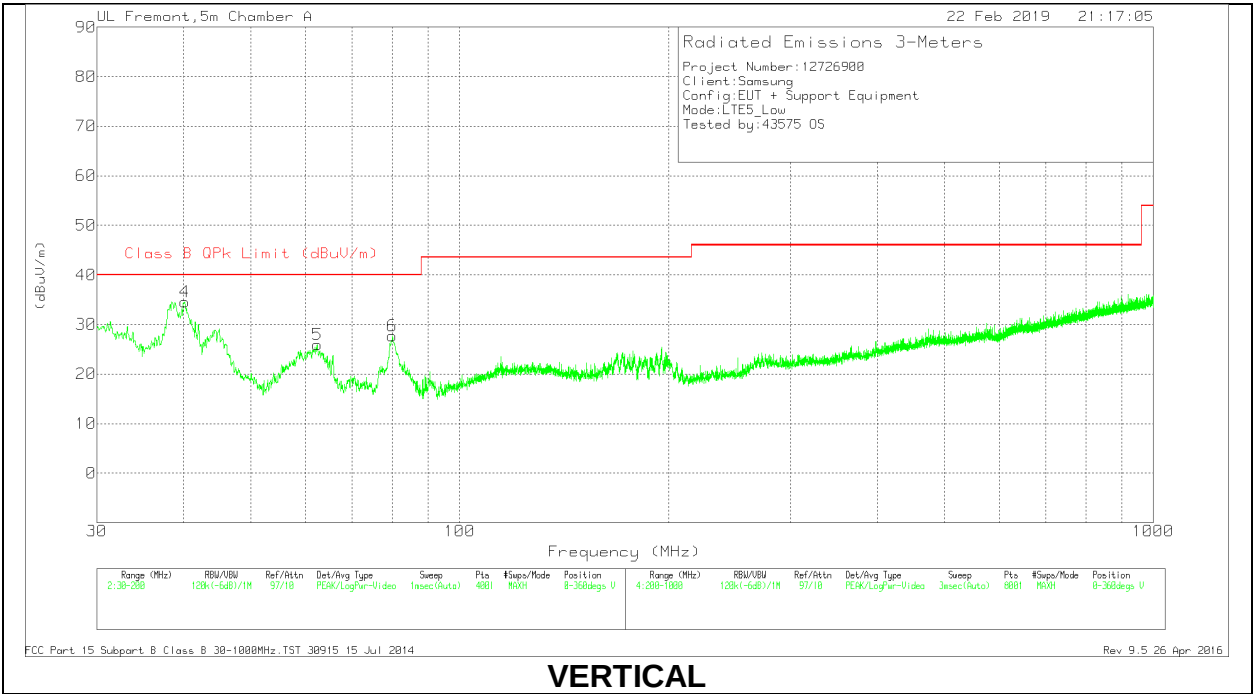
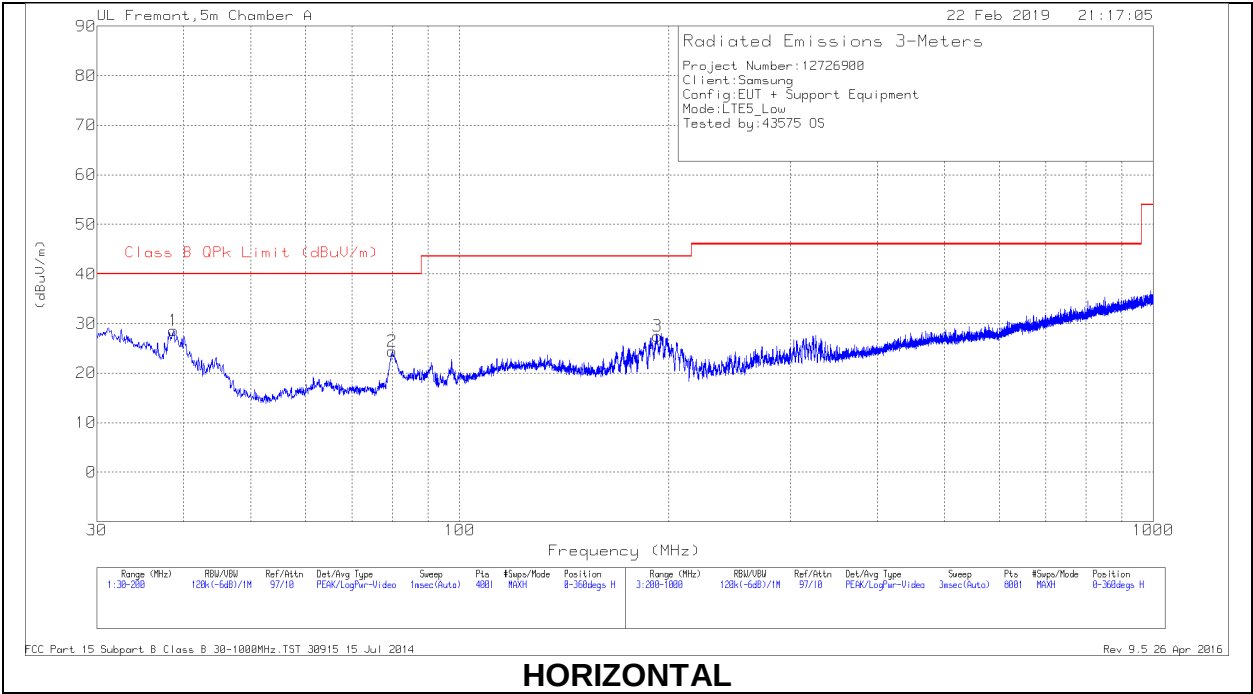


11. APPENDIX A: PRE-SCAN DATA FOR 15B RECEIVER MODE

11.1. LTE Band 5  
11.1.1. BELOW 1GHz

LOW CHANNEL

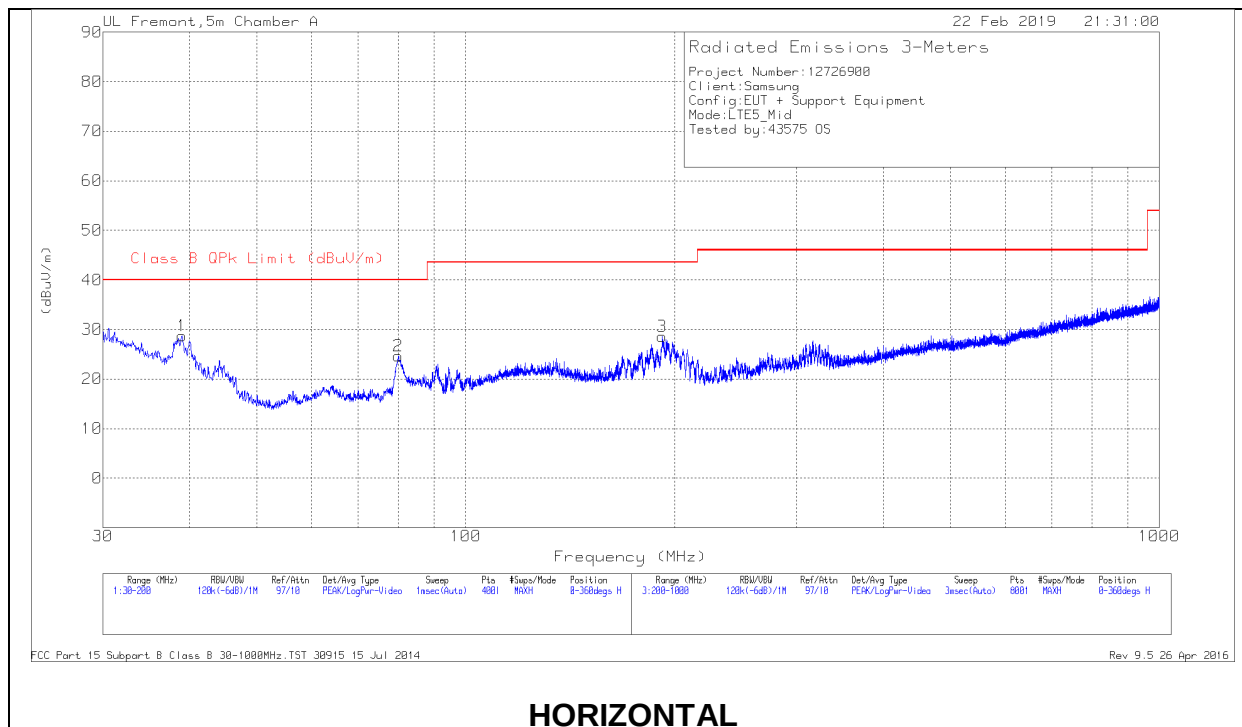


## RADIATED EMISSIONS

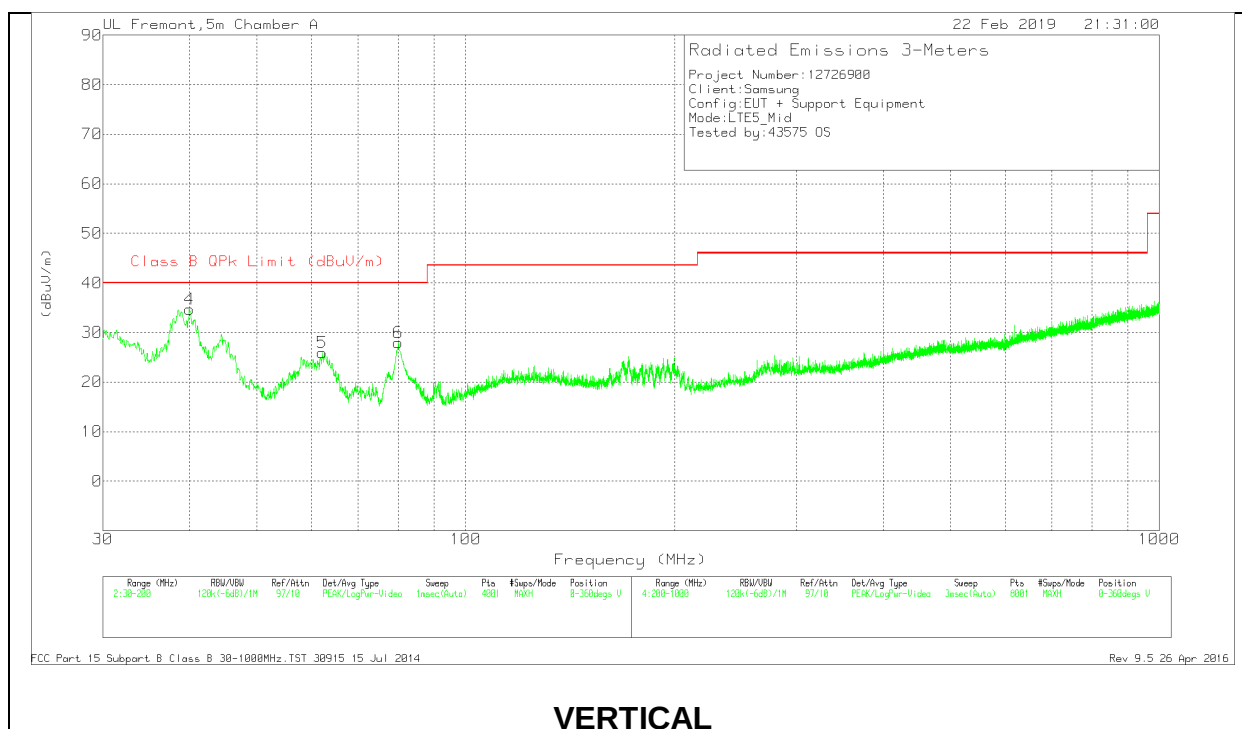
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0181574 (dB/m) | Amp/Cbl (dB/m) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------------|----------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 1      | 38.7125         | 35.14                | Pk  | 20.5                 | -27.1          | 28.54                      | 40                         | -11.46      | 0-360          | 100         | H        |
| 4      | 40.1575         | 41.24                | Pk  | 19.4                 | -27.1          | 33.54                      | 40                         | -6.46       | 0-360          | 100         | V        |
| 5      | 62.3425         | 39.16                | Pk  | 13.6                 | -26.8          | 25.96                      | 40                         | -14.04      | 0-360          | 100         | V        |
| 6      | 79.98           | 40.77                | Pk  | 13.4                 | -26.5          | 27.67                      | 40                         | -12.33      | 0-360          | 100         | V        |
| 2      | 80.0225         | 37.5                 | Pk  | 13.4                 | -26.5          | 24.4                       | 40                         | -15.6       | 0-360          | 199         | H        |
| 3      | 192.8175        | 35.06                | Pk  | 17.6                 | -25.2          | 27.46                      | 43.52                      | -16.06      | 0-360          | 100         | H        |

Pk - Peak detector

## MID CHANNEL



## HORIZONTAL



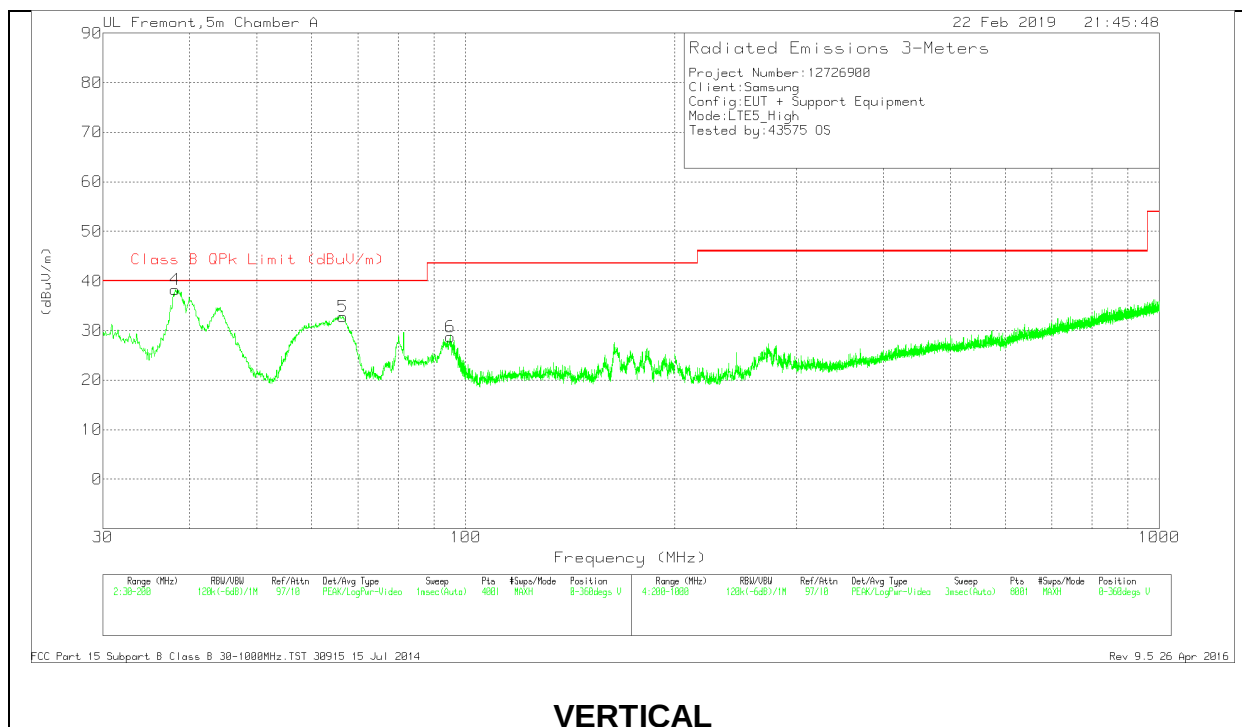
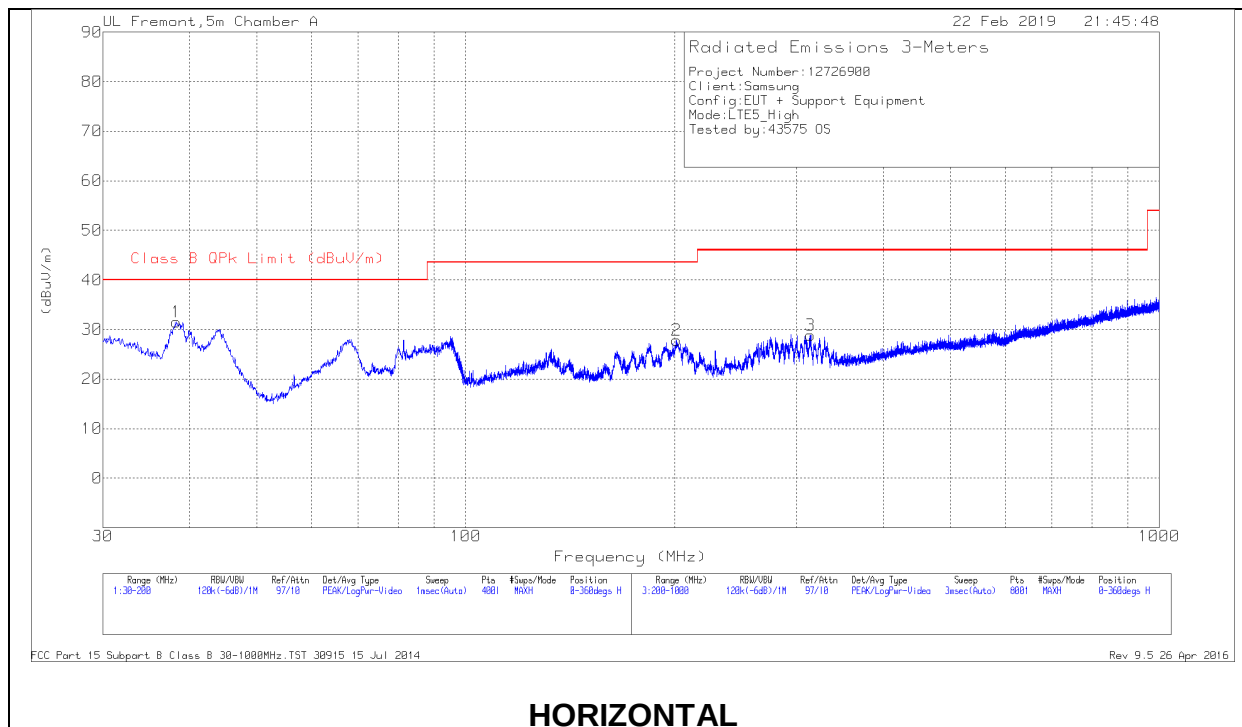
## VERTICAL

## RADIATED EMISSIONS

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0181574 (dB/m) | Amp/Cbl (dB/m) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------------|----------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 1      | 39.01           | 35.51                | Pk  | 20.3                 | -27.1          | 28.71                      | 40                         | -11.29      | 0-360          | 200         | H        |
| 4      | 39.9875         | 41.25                | Pk  | 19.5                 | -27.1          | 33.65                      | 40                         | -6.35       | 0-360          | 100         | V        |
| 5      | 62.13           | 39.14                | Pk  | 13.6                 | -26.8          | 25.94                      | 40                         | -14.06      | 0-360          | 100         | V        |
| 2      | 79.98           | 37.73                | Pk  | 13.4                 | -26.5          | 24.63                      | 40                         | -15.37      | 0-360          | 200         | H        |
| 6      | 80.0225         | 41.07                | Pk  | 13.4                 | -26.5          | 27.97                      | 40                         | -12.03      | 0-360          | 100         | V        |
| 3      | 192.095         | 36.26                | Pk  | 17.5                 | -25.2          | 28.56                      | 43.52                      | -14.96      | 0-360          | 98          | H        |

Pk - Peak detector

## HIGH CHANNEL



## RADIATED EMISSIONS

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0181574 (dB/m) | Amp/Cbl (dB/m) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------------|----------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 4      | 38.16           | 44.49                | Pk  | 20.9                 | -27.1          | 38.29                      | 40                         | -1.71       | 0-360          | 100         | V        |
| 1      | 38.2875         | 37.83                | Pk  | 20.8                 | -27.1          | 31.53                      | 40                         | -8.47       | 0-360          | 399         | H        |
| 5      | 66.5925         | 45.59                | Pk  | 13.9                 | -26.7          | 32.79                      | 40                         | -7.21       | 0-360          | 100         | V        |
| 6      | 95.0675         | 40.26                | Pk  | 14.8                 | -26.3          | 28.76                      | 43.52                      | -14.76      | 0-360          | 100         | V        |
| 2      | 201.5           | 34.63                | Pk  | 18.3                 | -25.1          | 27.83                      | 43.52                      | -15.69      | 0-360          | 100         | H        |
| 3      | 314.2           | 33.55                | Pk  | 19.7                 | -24.4          | 28.85                      | 46.02                      | -17.17      | 0-360          | 100         | H        |

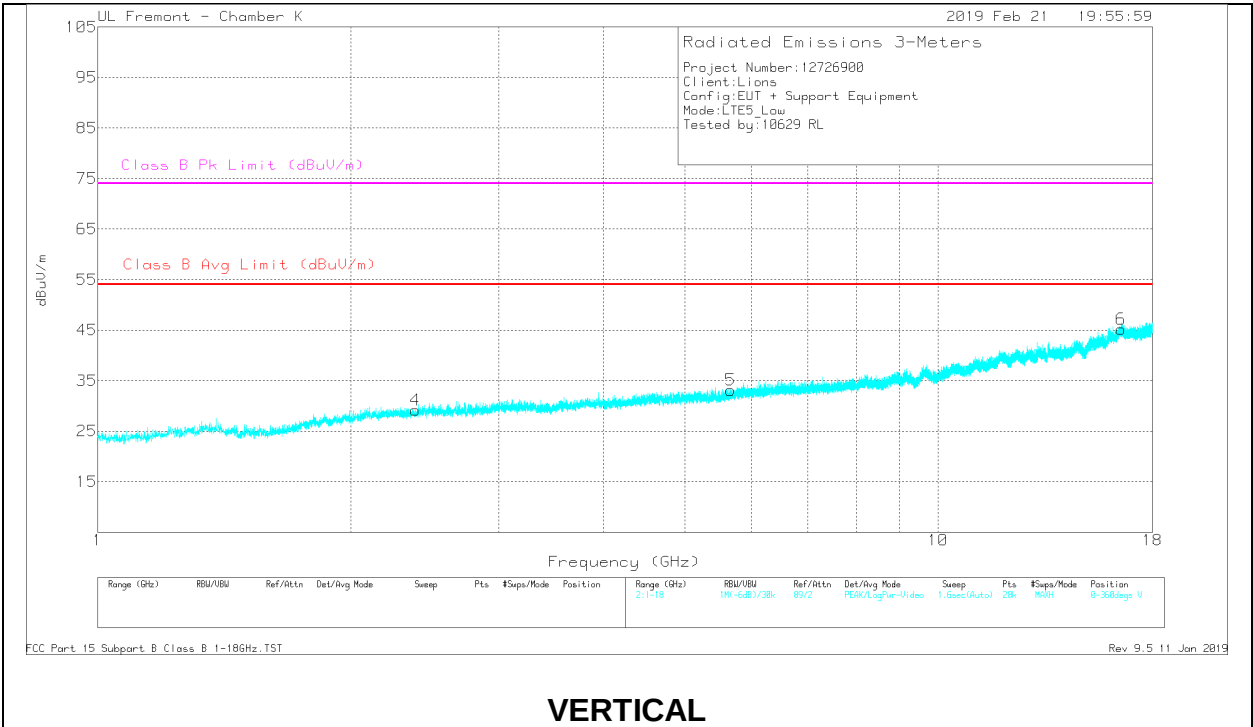
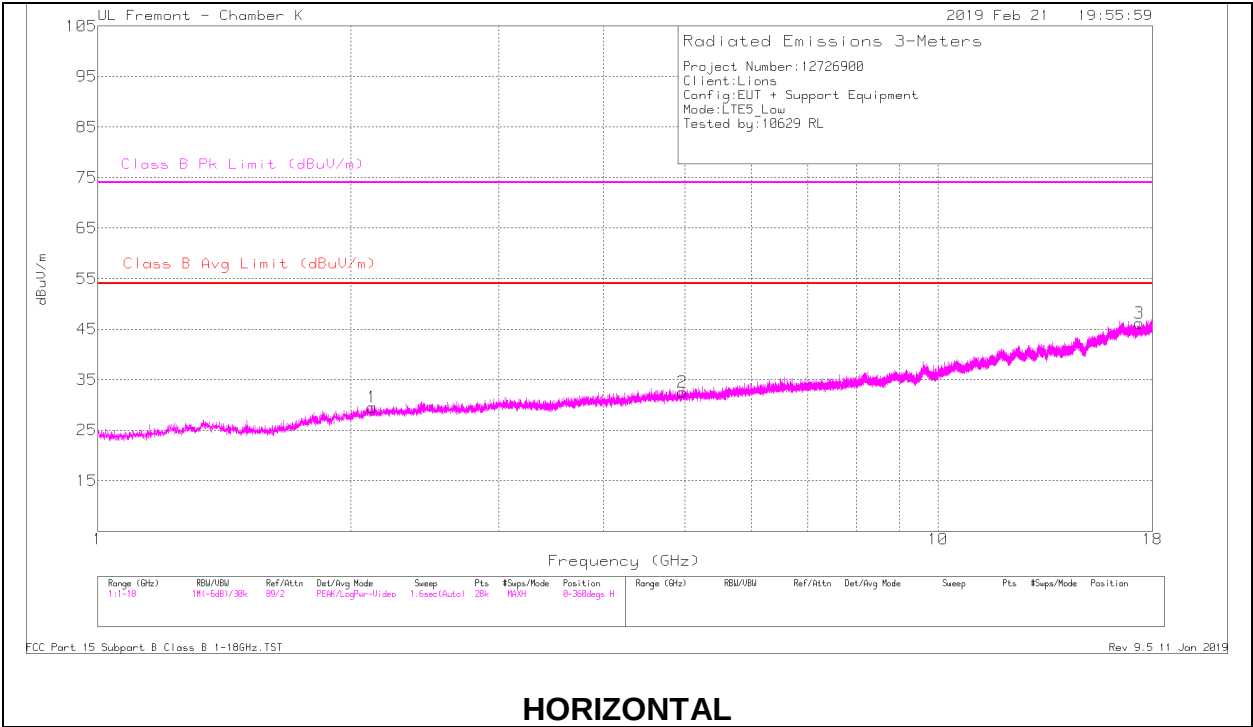
Pk - Peak detector

| Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0181574 (dB/m) | Amp/Cbl (dB/m) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------------|----------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 38.0669         | 35.43                | Qp  | 21                   | -27.1          | 29.33                      | 40                         | -10.67      | 289            | 109         | V        |

Qp - Quasi-Peak detector

11.1.2. ABOVE 1GHz

LOW CHANNEL



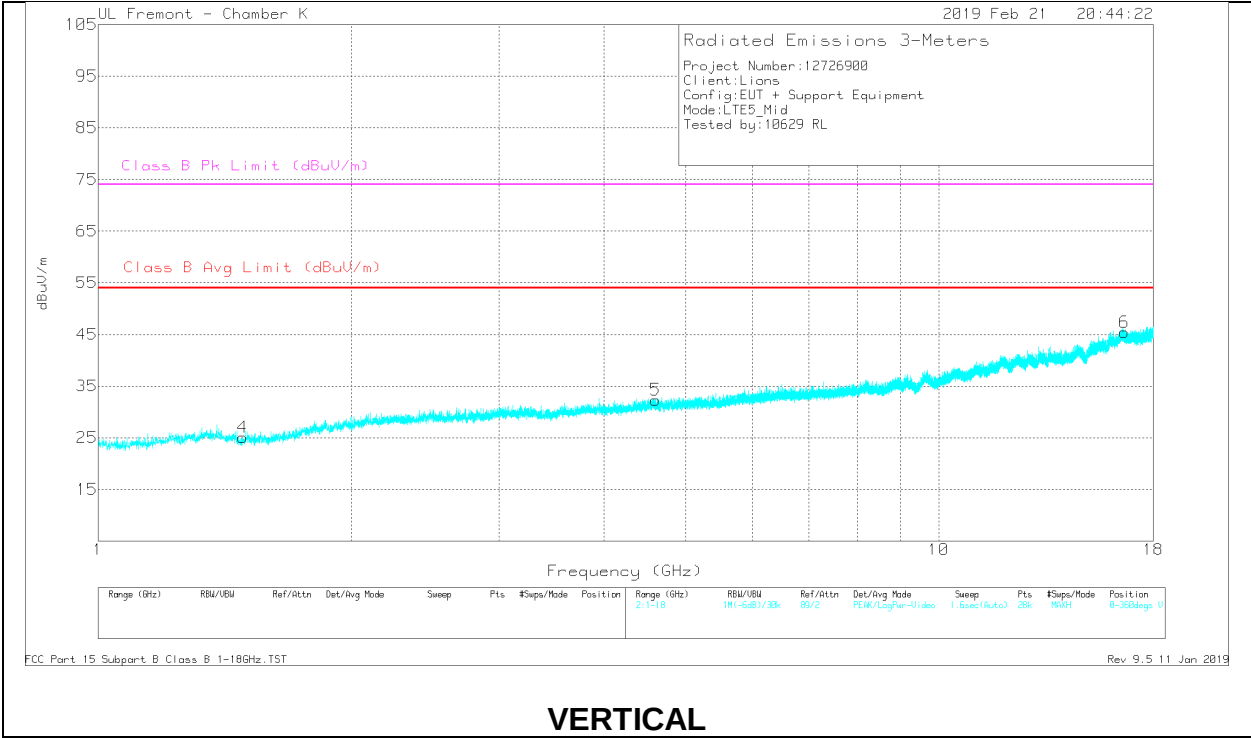
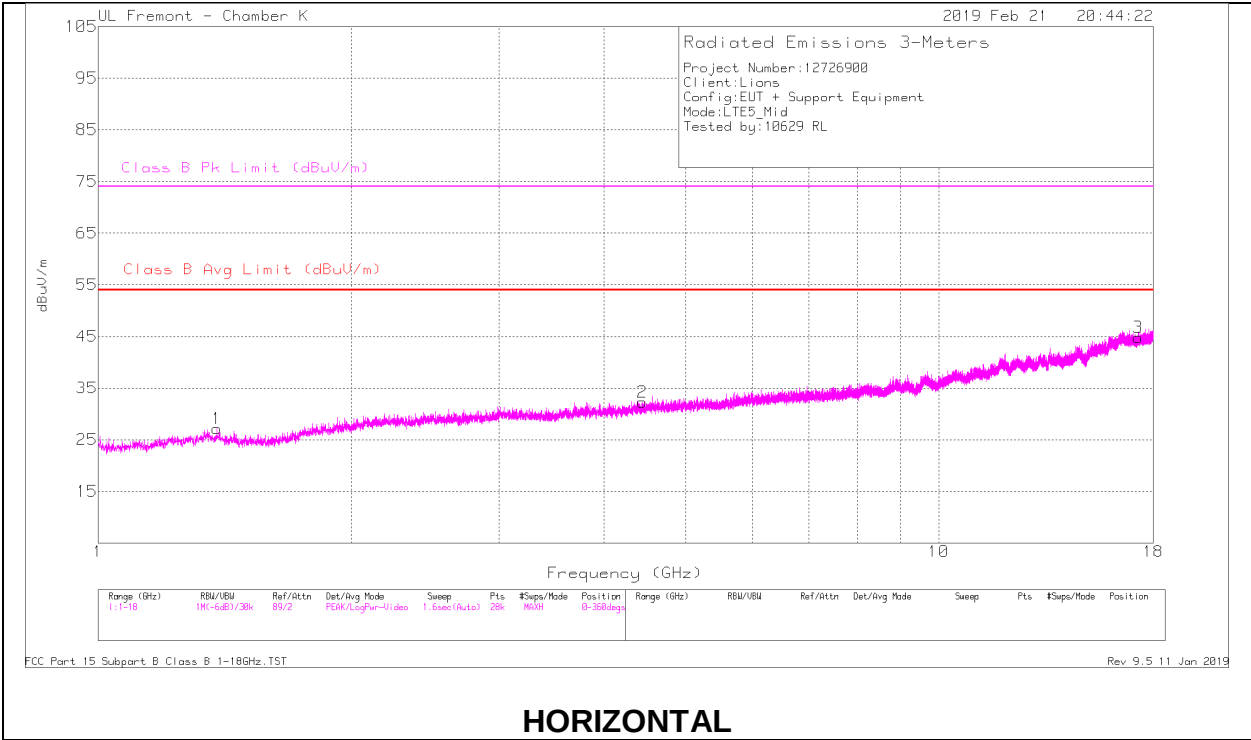
## RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T344 (dB/m) | Amp/Cbl (dB) | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|--------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.122           | 33.72                | Pk  | 31.6           | -35.4        | 29.92                    | -                          | -           | 74                        | -44.08      | 248            | 135         | H        |
| 2.122           | 20.21                | Av  | 31.6           | -35.4        | 16.41                    | 54                         | -37.59      | -                         | -           | 248            | 135         | H        |
| 4.963           | 28.75                | Pk  | 34.2           | -30.9        | 32.05                    | -                          | -           | 74                        | -41.95      | 167            | 135         | H        |
| 4.963           | 16.25                | Av  | 34.2           | -30.9        | 19.55                    | 54                         | -34.45      | -                         | -           | 167            | 135         | H        |
| 17.36           | 20.56                | Pk  | 41.3           | -17.1        | 44.76                    | -                          | -           | 74                        | -29.24      | 115            | 366         | H        |
| 17.36           | 8.42                 | Av  | 41.3           | -17.1        | 32.62                    | 54                         | -21.38      | -                         | -           | 115            | 366         | H        |
| 2.389           | 42.63                | Pk  | 31.9           | -35.3        | 39.23                    | -                          | -           | 74                        | -34.77      | 228            | 341         | V        |
| 2.389           | 29.26                | Av  | 31.9           | -35.3        | 25.86                    | 54                         | -28.14      | -                         | -           | 228            | 341         | V        |
| 5.665           | 37.44                | Pk  | 34.7           | -29.4        | 42.74                    | -                          | -           | 74                        | -31.26      | 293            | 232         | V        |
| 5.665           | 24.03                | Av  | 34.7           | -29.4        | 29.33                    | 54                         | -24.67      | -                         | -           | 293            | 232         | V        |
| 16.516          | 30.34                | Pk  | 41.8           | -17.7        | 54.44                    | -                          | -           | 74                        | -19.56      | 285            | 314         | V        |
| 16.516          | 17.75                | Av  | 41.8           | -17.7        | 41.85                    | 54                         | -12.15      | -                         | -           | 285            | 314         | V        |

Pk - Peak detector

Av - Average detection

MID CHANNEL



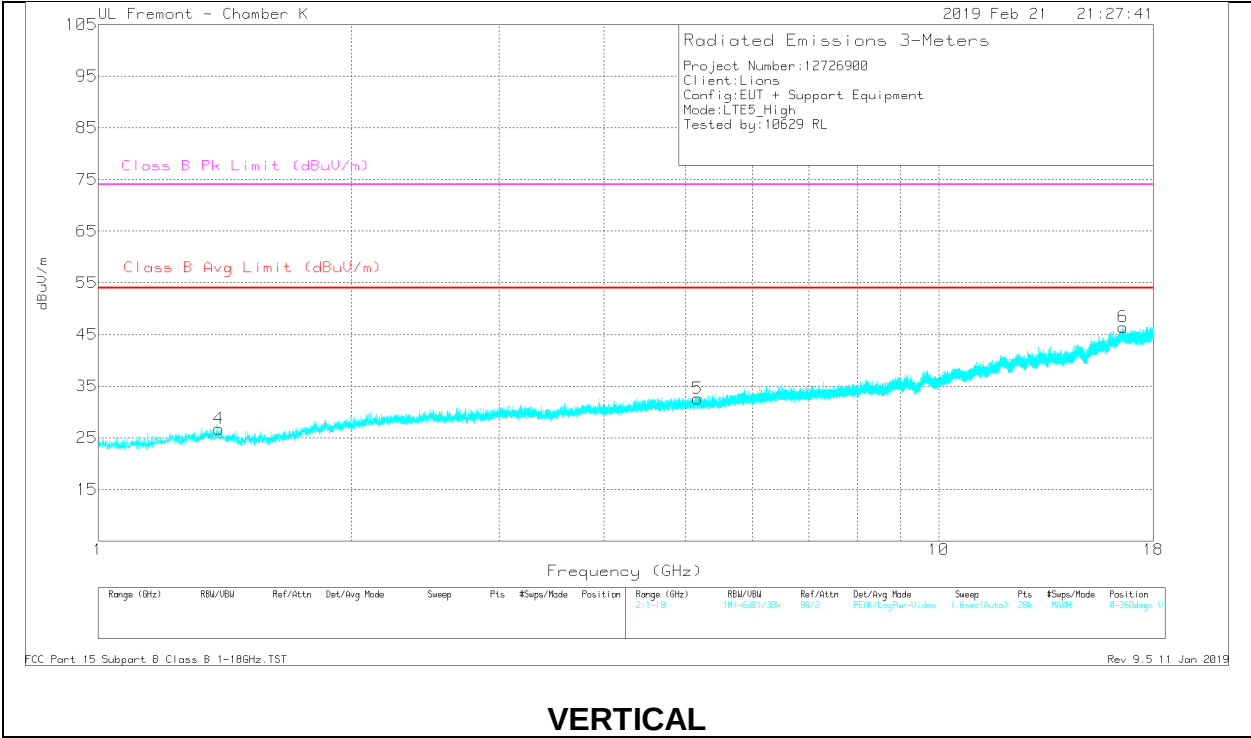
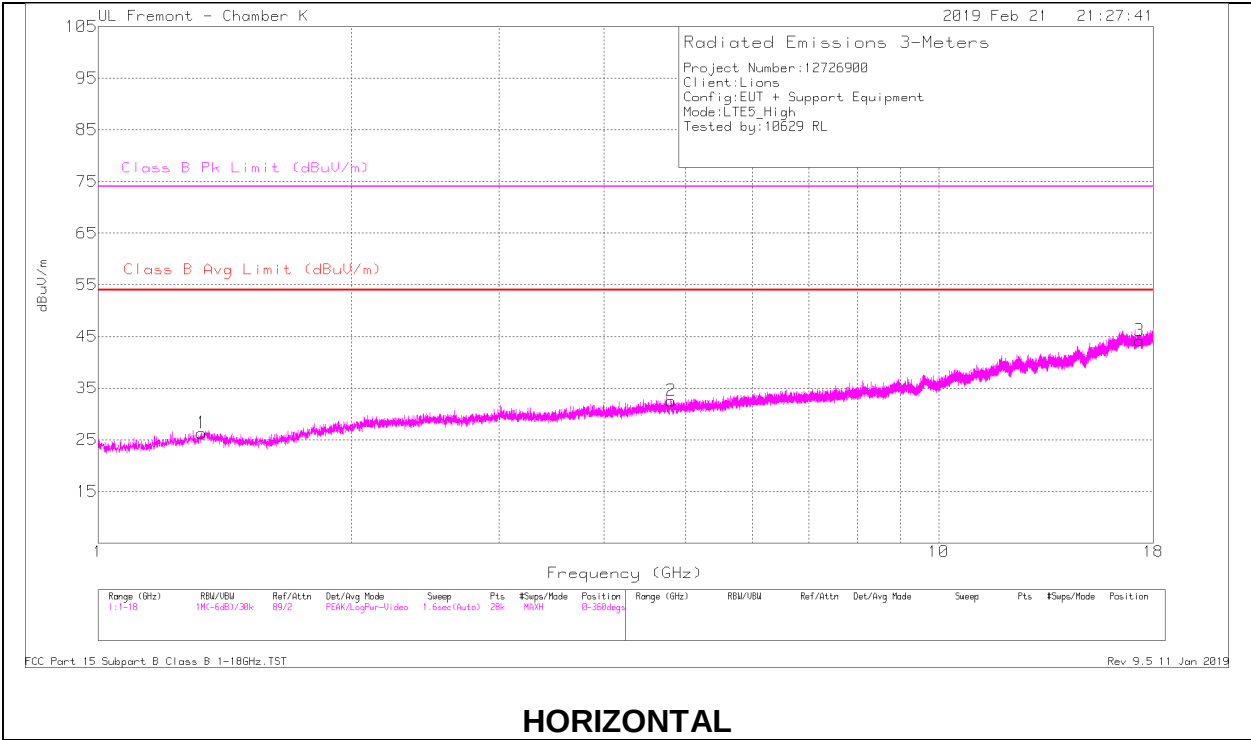
## RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T344 (dB/m) | Amp/Cbl (dB) | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|--------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.384           | 32.76                | Pk  | 29.1           | -35.5        | 26.36                    | -                          | -           | 74                        | -47.64      | 147            | 247         | H        |
| 1.384           | 19.92                | Av  | 29.1           | -35.5        | 13.52                    | 54                         | -40.48      | -                         | -           | 147            | 247         | H        |
| 4.44            | 29.44                | Pk  | 33.8           | -31.6        | 31.64                    | -                          | -           | 74                        | -42.36      | 218            | 185         | H        |
| 4.44            | 16.86                | Av  | 33.8           | -31.6        | 19.06                    | 54                         | -34.94      | -                         | -           | 218            | 185         | H        |
| 17.266          | 21.95                | Pk  | 41.3           | -17.4        | 45.85                    | -                          | -           | 74                        | -28.15      | 8              | 130         | H        |
| 17.266          | 9                    | Av  | 41.3           | -17.4        | 32.9                     | 54                         | -21.1       | -                         | -           | 8              | 130         | H        |
| 1.487           | 42.32                | Pk  | 28.2           | -35.4        | 35.12                    | -                          | -           | 74                        | -38.88      | 108            | 286         | V        |
| 1.487           | 29.14                | Av  | 28.2           | -35.4        | 21.94                    | 54                         | -32.06      | -                         | -           | 108            | 286         | V        |
| 4.604           | 39.13                | Pk  | 34.1           | -31.1        | 42.13                    | -                          | -           | 74                        | -31.87      | 43             | 384         | V        |
| 4.604           | 25.44                | Av  | 34.1           | -31.1        | 28.44                    | 54                         | -25.56      | -                         | -           | 43             | 384         | V        |
| 16.624          | 30.91                | Pk  | 41.9           | -17.8        | 55.01                    | -                          | -           | 74                        | -18.99      | 218            | 221         | V        |
| 16.624          | 18.23                | Av  | 41.9           | -17.8        | 42.33                    | 54                         | -11.67      | -                         | -           | 218            | 221         | V        |

Pk - Peak detector

Av - Average detection

HIGH CHANNEL



## RADIATED EMISSIONS

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF T344 (dB/m) | Amp/Cbl (dB) | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|--------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.327           | 32.66                | Pk  | 29.1           | -35.4        | 26.36                    | -                          | -           | 74                        | -47.64      | 198            | 280         | H        |
| 1.327           | 19.96                | Av  | 29.1           | -35.4        | 13.66                    | 54                         | -40.34      | -                         | -           | 198            | 280         | H        |
| 4.803           | 39.31                | Pk  | 34.2           | -31.2        | 42.31                    | -                          | -           | 74                        | -31.69      | 130            | 363         | H        |
| 4.803           | 25.74                | Av  | 34.2           | -31.2        | 28.74                    | 54                         | -25.26      | -                         | -           | 130            | 363         | H        |
| 17.331          | 30.41                | Pk  | 41.3           | -17.2        | 54.51                    | -                          | -           | 74                        | -19.49      | 328            | 108         | H        |
| 17.331          | 17.69                | Av  | 41.3           | -17.2        | 41.79                    | 54                         | -12.21      | -                         | -           | 328            | 108         | H        |
| 1.393           | 42.65                | Pk  | 29             | -35.4        | 36.25                    | -                          | -           | 74                        | -37.75      | 337            | 246         | V        |
| 1.393           | 29.28                | Av  | 29             | -35.4        | 22.88                    | 54                         | -31.12      | -                         | -           | 337            | 246         | V        |
| 5.167           | 38.69                | Pk  | 34.4           | -30.5        | 42.59                    | -                          | -           | 74                        | -31.41      | 230            | 363         | V        |
| 5.167           | 25.15                | Av  | 34.4           | -30.5        | 29.05                    | 54                         | -24.95      | -                         | -           | 230            | 363         | V        |
| 16.559          | 30.09                | Pk  | 41.9           | -17.7        | 54.29                    | -                          | -           | 74                        | -19.71      | 150            | 156         | V        |
| 16.559          | 17.91                | Av  | 41.9           | -17.7        | 42.11                    | 54                         | -11.89      | -                         | -           | 150            | 156         | V        |

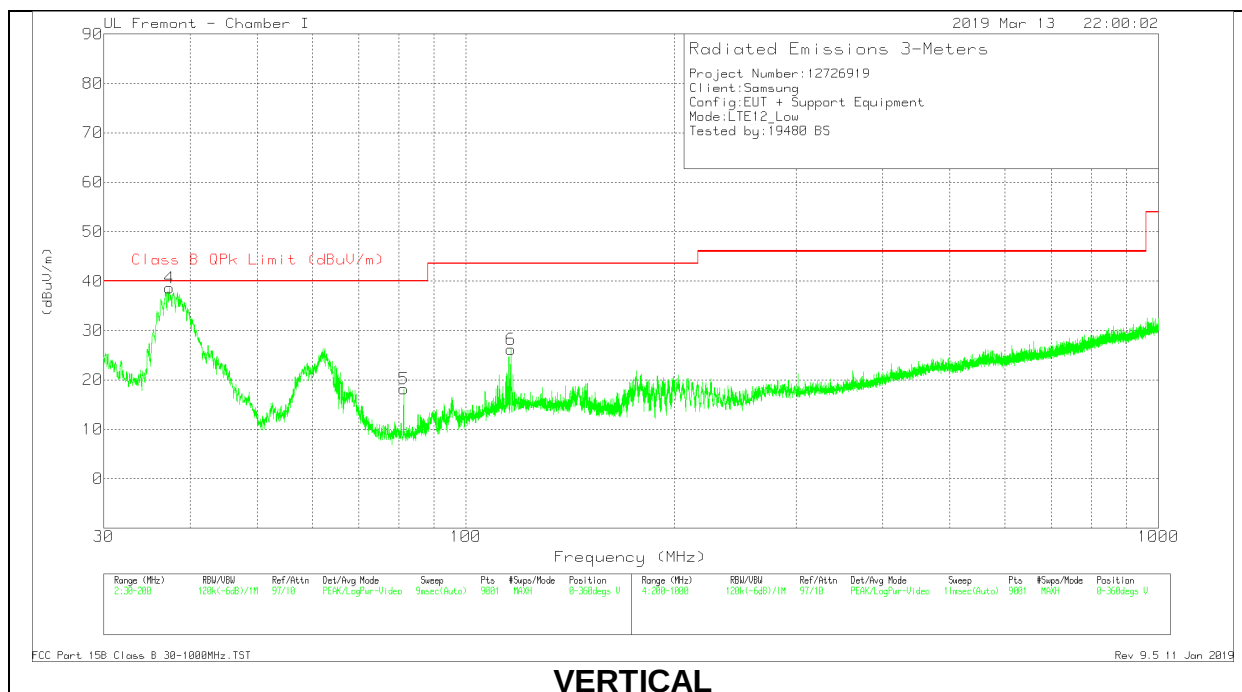
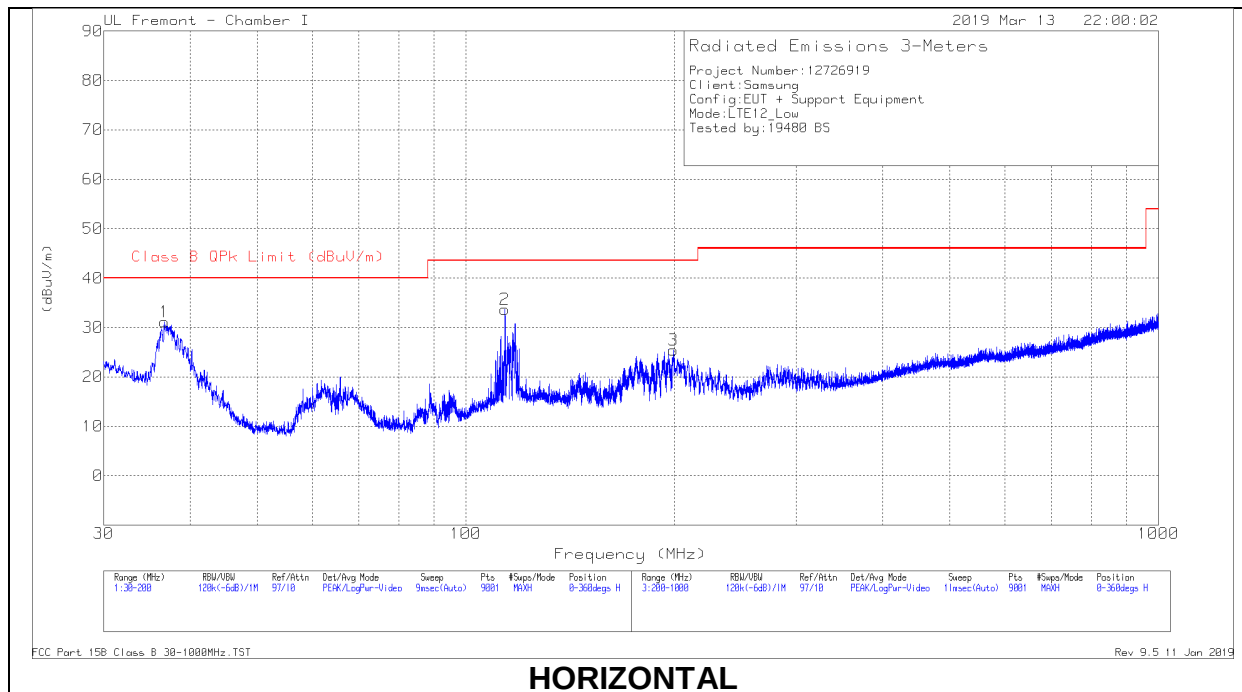
Pk - Peak detector

Av - Average detection

## 11.2. LTE Band 12

### 11.2.1. BELOW 1GHz

#### LOW CHANNEL



## RADIATED EMISSIONS

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0184971 (dB/m) | Amp Cbl (dB) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------------|--------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 1      | 36.7056         | 40.48                | Pk  | 21.9                 | -31.3        | 31.08                      | 40                         | -8.92       | 0-360          | 299         | H        |
| 2      | 113.886         | 45.25                | Pk  | 19.1                 | -30.7        | 33.65                      | 43.52                      | -9.87       | 0-360          | 299         | H        |
| 3      | 199.4343        | 37.37                | Pk  | 18.1                 | -30.1        | 25.37                      | 43.52                      | -18.15      | 0-360          | 101         | H        |
| 4      | 37.31           | 48.4                 | Pk  | 21.5                 | -31.3        | 38.6                       | 40                         | -1.4        | 0-360          | 100         | V        |
| 5      | 81.3403         | 35.63                | Pk  | 13.4                 | -30.8        | 18.23                      | 40                         | -21.77      | 0-360          | 100         | V        |
| 6      | 116.2094        | 37.48                | Pk  | 19.3                 | -30.6        | 26.18                      | 43.52                      | -17.34      | 0-360          | 100         | V        |

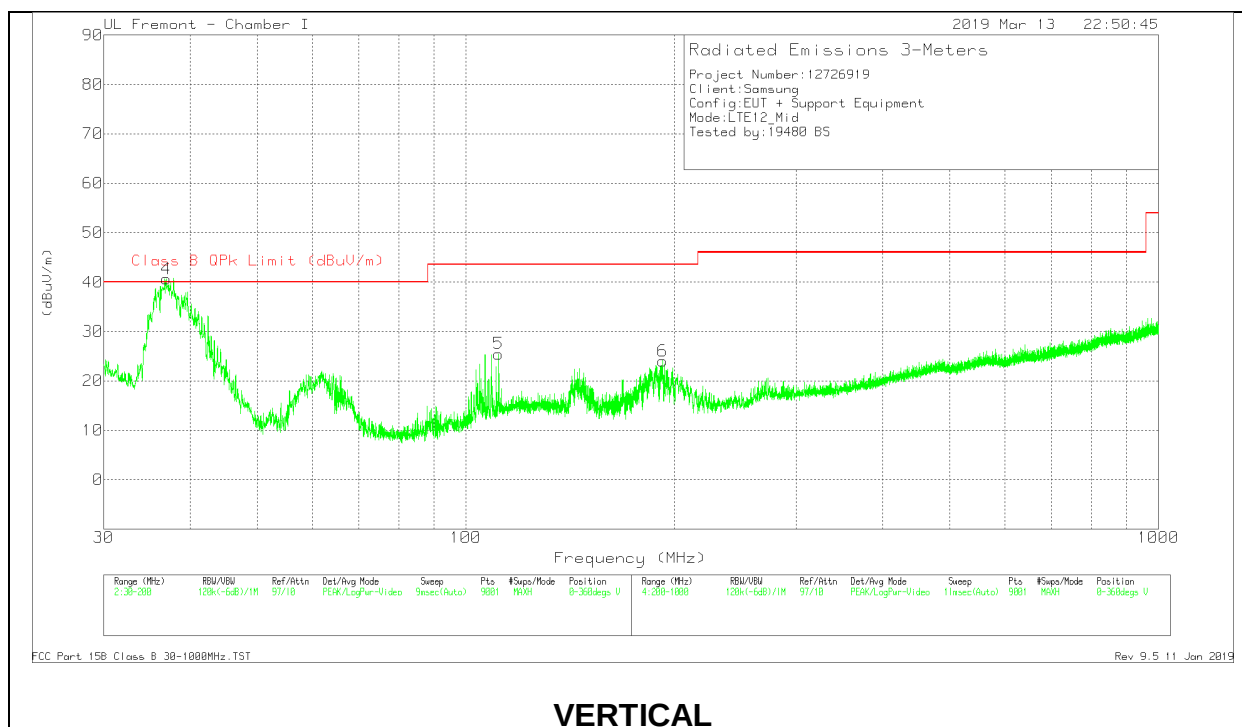
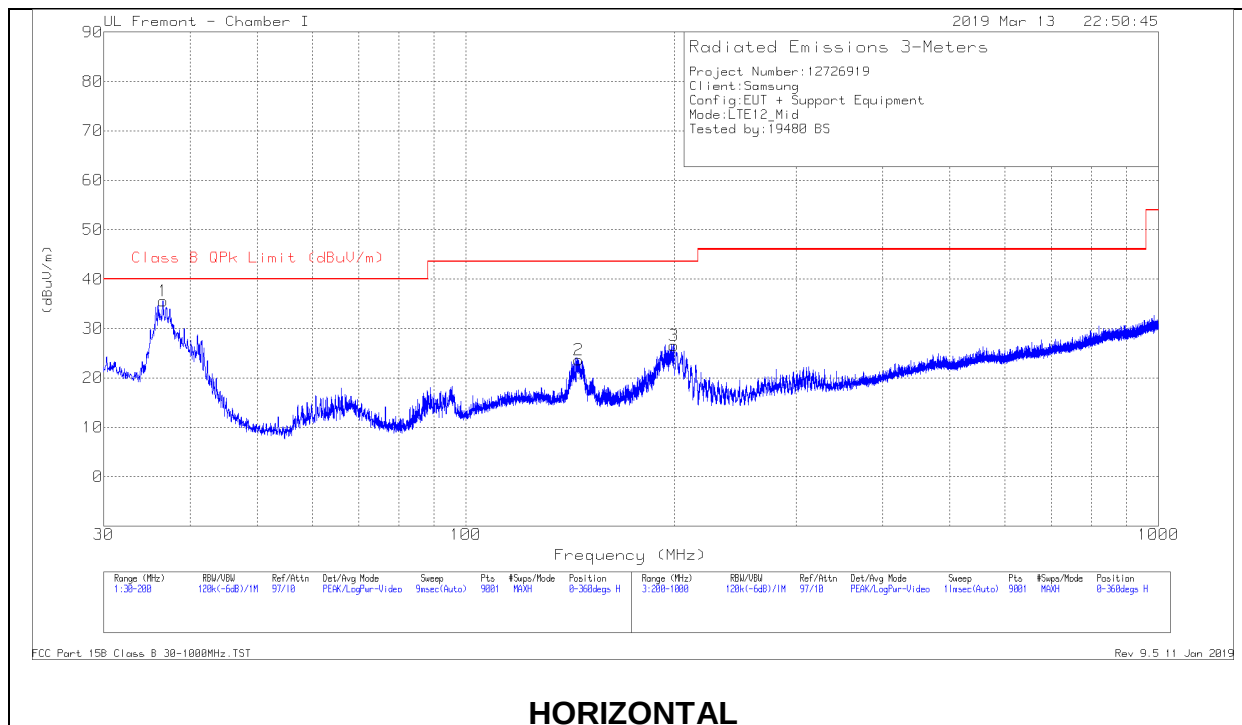
Pk - Peak detector

| Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0184971 (dB/m) | Amp Cbl (dB) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------------|--------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 37.3891         | 49.46                | Pk  | 21.5                 | -31.3        | 39.66                      | 40                         | -3.34       | 304            | 145         | V        |
| 37.3891         | 45.93                | Qp  | 21.5                 | -31.3        | 36.13                      | 40                         | -3.87       | 304            | 145         | V        |

Pk - Peak detector

Qp - Quasi-Peak detector

**MID CHANNEL**



## Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0184971 (dB/m) | Amp Cbl (dB) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------------|--------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 1      | 36.5356         | 44.83                | Pk  | 22.1                 | -31.3        | 35.63                      | 40                         | -4.37       | 0-360          | 299         | H        |
| 2      | 145.6385        | 35.58                | Pk  | 18.5                 | -30.4        | 23.68                      | 43.52                      | -19.84      | 0-360          | 101         | H        |
| 3      | 199.7366        | 38.62                | Pk  | 18.1                 | -30.1        | 26.62                      | 43.52                      | -16.9       | 0-360          | 199         | H        |
| 4      | 36.9134         | 50.19                | Pk  | 21.8                 | -31.3        | 40.69                      | 40                         | .69         | 0-360          | 101         | V        |
| 5      | 111.5155        | 37.49                | Pk  | 18.7                 | -30.7        | 25.49                      | 43.52                      | -18.03      | 0-360          | 101         | V        |
| 6      | 192.3698        | 37.13                | Pk  | 17.1                 | -30.2        | 24.03                      | 43.52                      | -19.49      | 0-360          | 101         | V        |

Pk - Peak detector

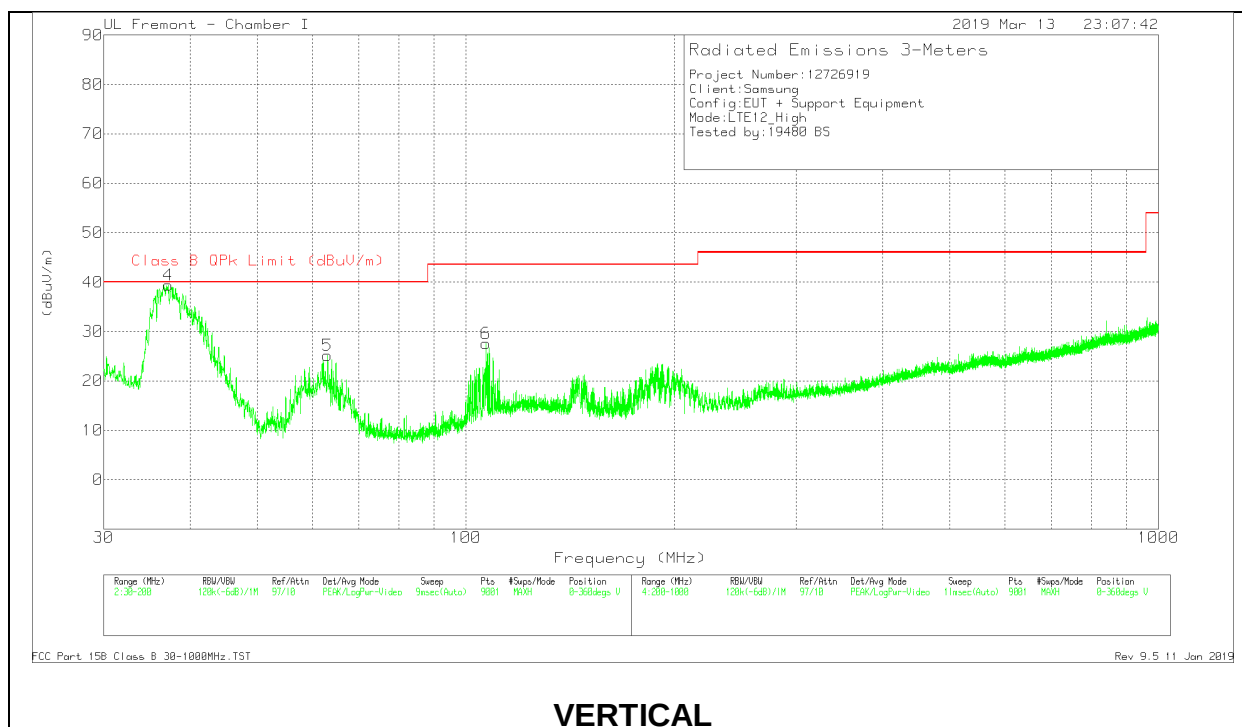
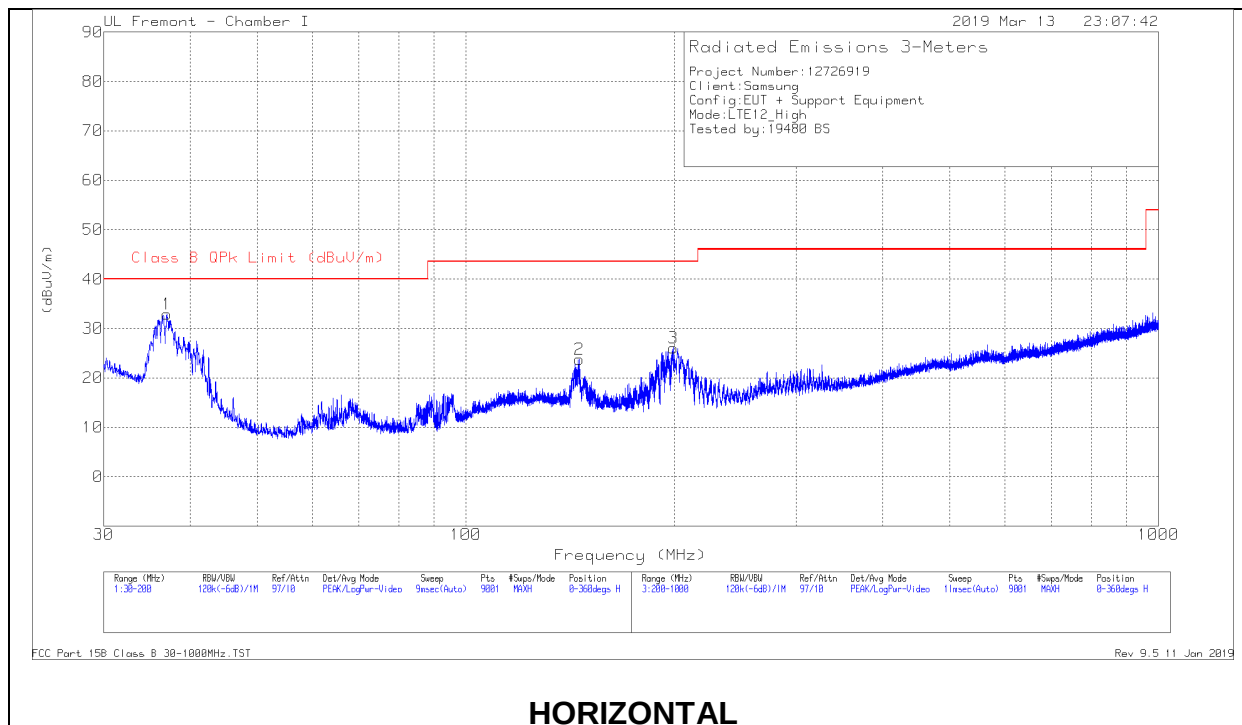
## Radiated Emissions

| Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0184971 (dB/m) | Amp Cbl (dB) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------------|--------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 36.8827         | 51.7                 | Pk  | 21.8                 | -31.3        | 42.2                       | 40                         | 2.2         | 79             | 112         | V        |
| 36.8827         | 45.06                | Qp  | 21.8                 | -31.3        | 35.56                      | 40                         | -4.44       | 80             | 112         | V        |

Pk - Peak detector

Qp - Quasi-Peak detector

## HIGH CHANNEL



## Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0184971 (dB/m) | Amp Cbl (dB) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------------|--------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 1      | 36.9889         | 42.52                | Pk  | 21.7                 | -31.3        | 32.92                      | 40                         | -7.08       | 0-360          | 199         | H        |
| 2      | 145.714         | 35.63                | Pk  | 18.5                 | -30.4        | 23.73                      | 43.52                      | -19.79      | 0-360          | 199         | H        |
| 3      | 199.4343        | 38.06                | Pk  | 18.1                 | -30.1        | 26.06                      | 43.52                      | -17.46      | 0-360          | 101         | H        |
| 4      | 37.1589         | 49.04                | Pk  | 21.6                 | -31.3        | 39.34                      | 40                         | -.66        | 0-360          | 100         | V        |
| 5      | 63.1502         | 42.62                | Pk  | 13.5                 | -31          | 25.12                      | 40                         | -14.88      | 0-360          | 100         | V        |
| 6      | 106.916         | 40.4                 | Pk  | 17.9                 | -30.7        | 27.6                       | 43.52                      | -15.92      | 0-360          | 100         | V        |

Pk - Peak detector

## Radiated Emissions

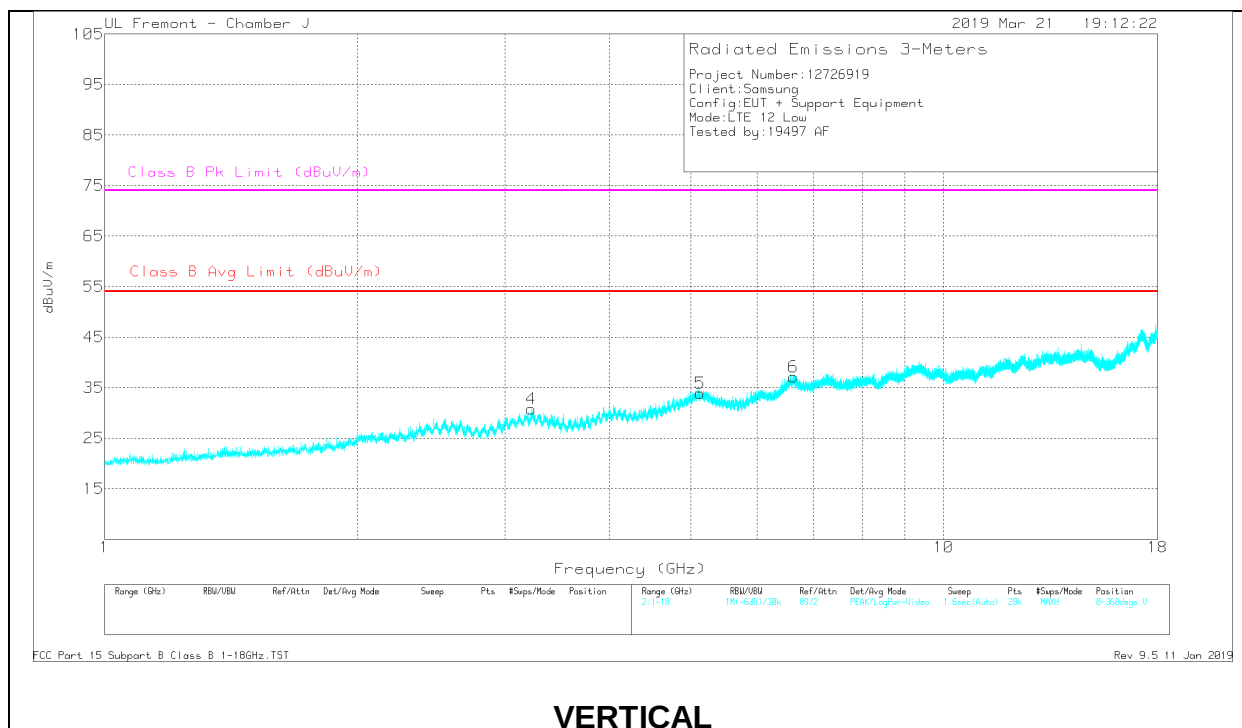
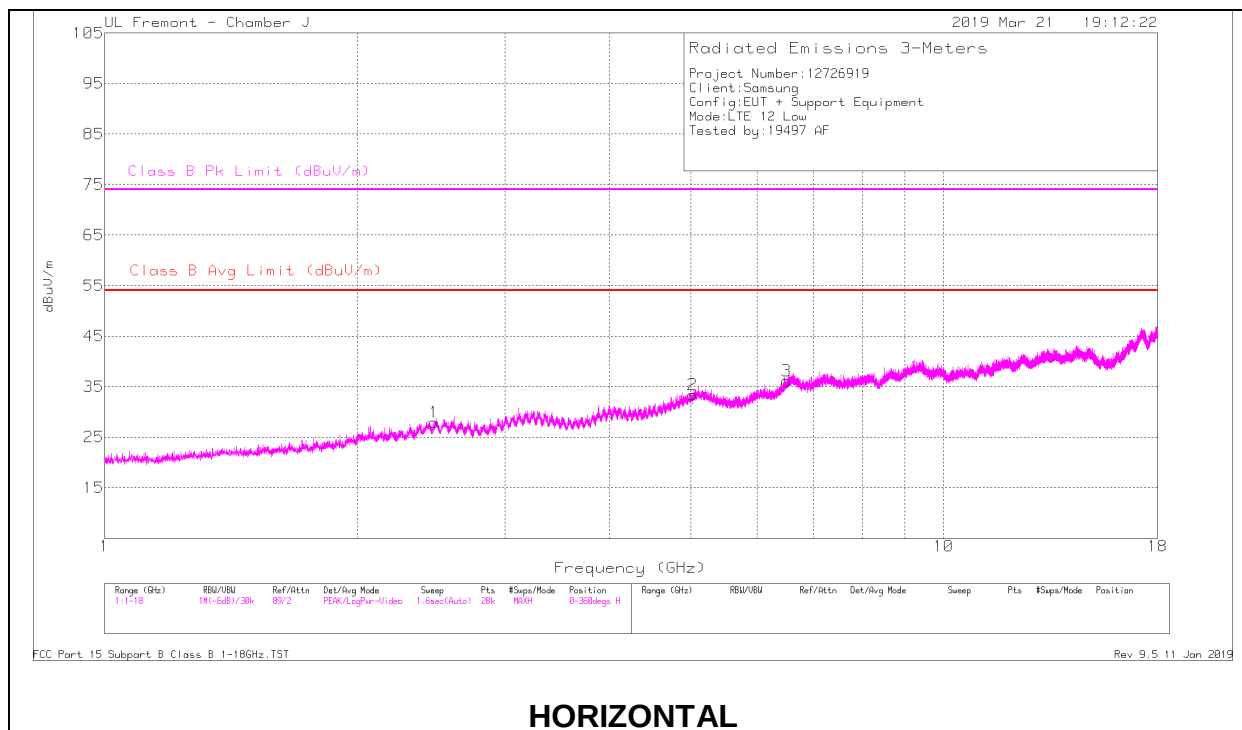
| Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0184971 (dB/m) | Amp Cbl (dB) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------------|--------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 37.2615         | 51.58                | Pk  | 21.6                 | -31.3        | 41.88                      | 40                         | 1.88        | 12             | 151         | V        |
| 37.2615         | 45.07                | Qp  | 21.6                 | -31.3        | 35.37                      | 40                         | -4.63       | 12             | 151         | V        |

Pk - Peak detector

Qp - Quasi-Peak detector

## 11.2.2. ABOVE 1GHz

### LOW CHANNEL



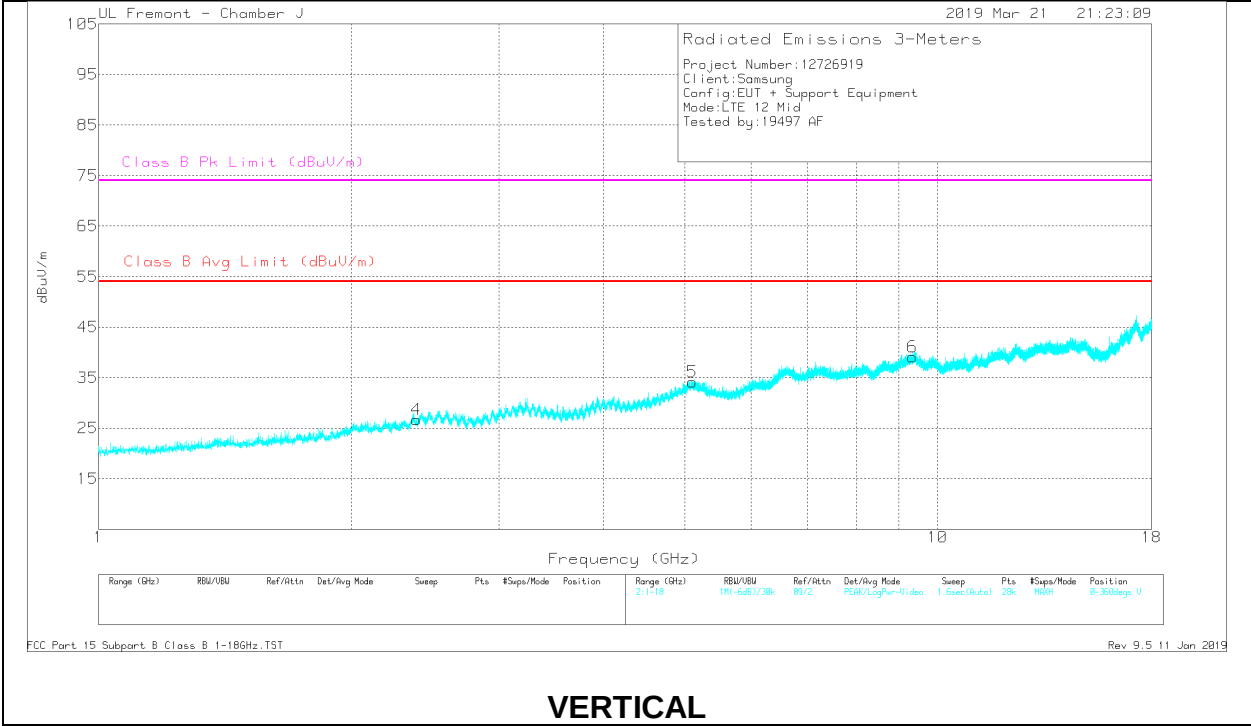
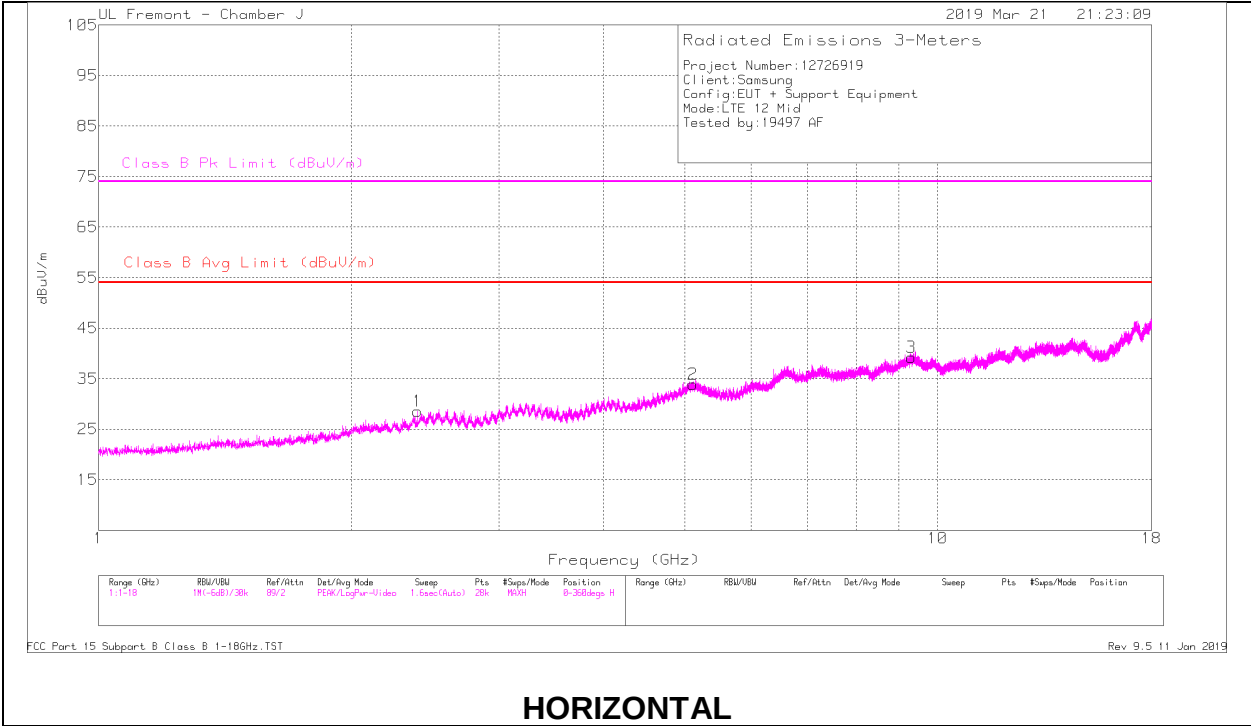
## Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0189055 (dB/m) | Amp/Cbl (dB) | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------------|--------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.47            | 34.58                | Pk  | 29.9                 | -35.8        | 28.68                    | 54                         | -25.32      | 74                        | -45.32      | 9              | 155         | H        |
| 2.47            | 20.74                | Av  | 29.9                 | -35.8        | 14.84                    | 54                         | -39.16      | -                         | -           | 9              | 155         | H        |
| 5.022           | 30.92                | Pk  | 35.3                 | -31.8        | 34.42                    | 54                         | -19.58      | 74                        | -39.58      | 230            | 214         | H        |
| 5.022           | 17.15                | Av  | 35.3                 | -31.8        | 20.65                    | 54                         | -33.35      | -                         | -           | 230            | 214         | H        |
| 6.498           | 27.68                | Pk  | 37.6                 | -29.2        | 36.08                    | 54                         | -17.92      | 74                        | -37.92      | 153            | 296         | H        |
| 6.498           | 14.77                | Av  | 37.6                 | -29.2        | 23.17                    | 54                         | -30.83      | -                         | -           | 153            | 296         | H        |
| 3.224           | 42.54                | Pk  | 31.7                 | -35          | 39.24                    | 54                         | -14.76      | 74                        | -34.76      | 70             | 400         | V        |
| 3.224           | 29.12                | Av  | 31.7                 | -35          | 25.82                    | 54                         | -28.18      | -                         | -           | 70             | 400         | V        |
| 5.132           | 40.41                | Pk  | 35.7                 | -31.6        | 44.51                    | 54                         | -9.49       | 74                        | -29.49      | 10             | 400         | V        |
| 5.132           | 26.08                | Av  | 35.7                 | -31.6        | 30.18                    | 54                         | -23.82      | -                         | -           | 10             | 400         | V        |
| 6.626           | 38.08                | Pk  | 38.2                 | -28.8        | 47.48                    | 54                         | -6.52       | 74                        | -26.52      | 75             | 382         | V        |
| 6.626           | 23.93                | Av  | 38.2                 | -28.8        | 33.33                    | 54                         | -20.67      | -                         | -           | 75             | 382         | V        |

Pk - Peak detector

Av - Average detection

MID CHANNEL



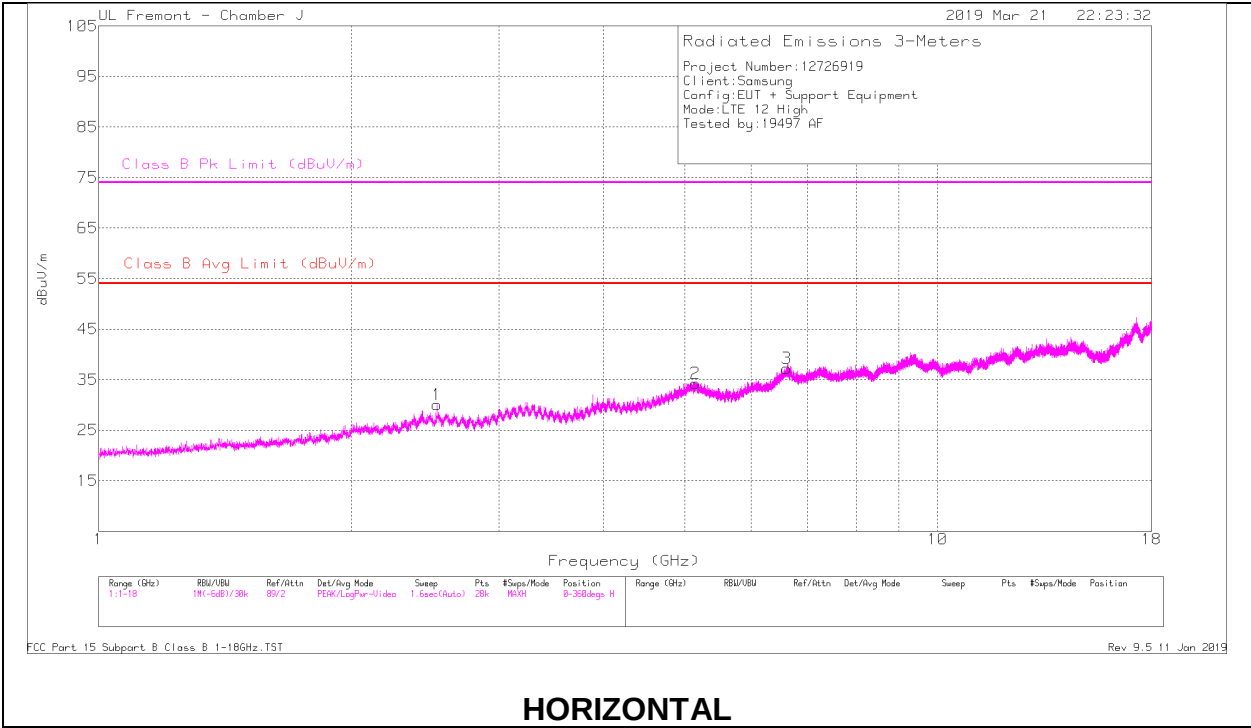
## Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0189055 (dB/m) | Amp/Cbl (dB) | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------------|--------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.4             | 33.19                | Pk  | 29.6                 | -35.9        | 26.89                    | 54                         | -27.11      | 74                        | -47.11      | 211            | 202         | H        |
| 2.4             | 19.9                 | Av  | 29.6                 | -35.9        | 13.6                     | 54                         | -40.4       | -                         | -           | 211            | 202         | H        |
| 5.114           | 29.95                | Pk  | 35.7                 | -31.5        | 34.15                    | 54                         | -19.85      | 74                        | -39.85      | 324            | 276         | H        |
| 5.114           | 16.94                | Av  | 35.7                 | -31.5        | 21.14                    | 54                         | -32.86      | -                         | -           | 324            | 276         | H        |
| 9.311           | 25.63                | Pk  | 39.9                 | -25.8        | 39.73                    | 54                         | -14.27      | 74                        | -34.27      | 90             | 368         | H        |
| 9.311           | 12.44                | Av  | 39.9                 | -25.8        | 26.54                    | 54                         | -27.46      | -                         | -           | 90             | 368         | H        |
| 2.391           | 42.72                | Pk  | 29.5                 | -35.8        | 36.42                    | 54                         | -17.58      | 74                        | -37.58      | 275            | 166         | V        |
| 2.391           | 29.29                | Av  | 29.5                 | -35.8        | 22.99                    | 54                         | -31.01      | -                         | -           | 275            | 166         | V        |
| 5.101           | 40.72                | Pk  | 35.7                 | -31.6        | 44.82                    | 54                         | -9.18       | 74                        | -29.18      | 240            | 189         | V        |
| 5.101           | 26.39                | Av  | 35.7                 | -31.6        | 30.49                    | 54                         | -23.51      | -                         | -           | 240            | 189         | V        |
| 9.337           | 33.43                | Pk  | 39.9                 | -25.7        | 47.63                    | 54                         | -6.37       | 74                        | -26.37      | 18             | 272         | V        |
| 9.339           | 21.62                | Av  | 39.9                 | -25.7        | 35.82                    | 54                         | -18.18      | -                         | -           | 18             | 272         | V        |

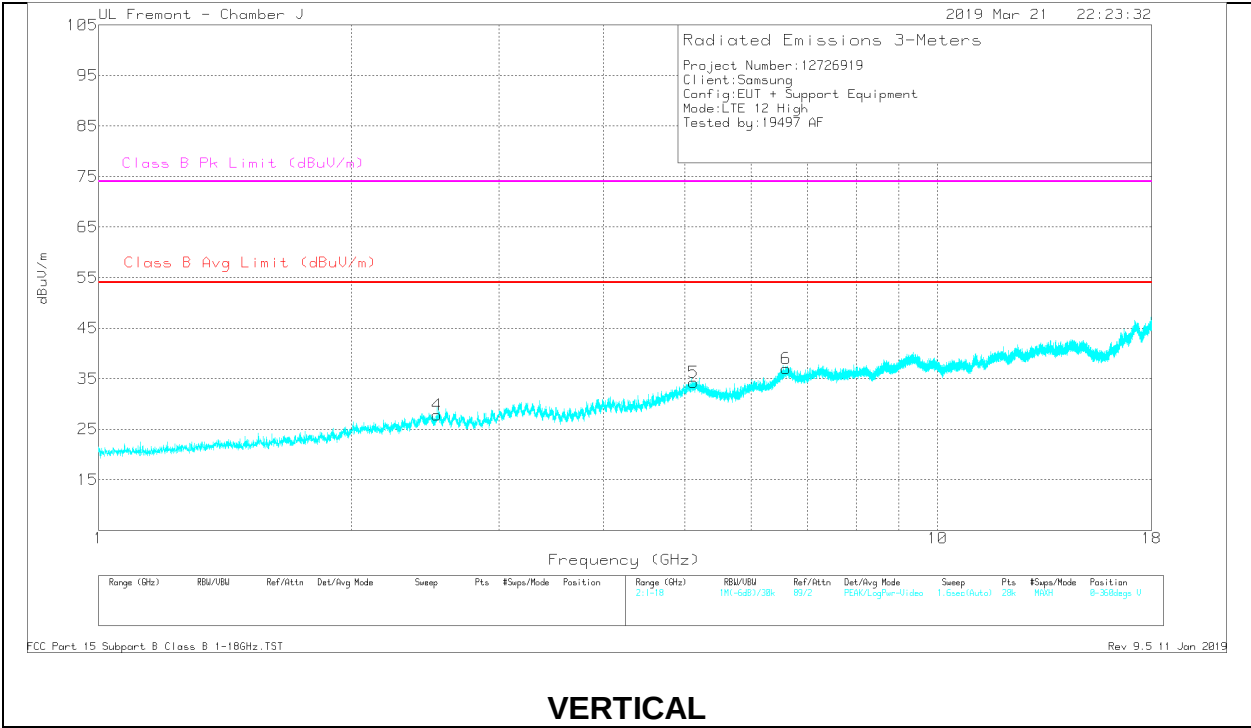
Pk - Peak detector

Av - Average detection

HIGH CHANNEL



HORIZONTAL



VERTICAL

## Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0189055 (dB/m) | Amp/Cbl (dB) | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------------|--------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.533           | 37.24                | Pk  | 30.2                 | -35.7        | 31.74                    | 54                         | -22.26      | 74                        | -42.26      | 255            | 187         | H        |
| 2.533           | 20.9                 | Av  | 30.2                 | -35.7        | 15.4                     | 54                         | -38.6       | -                         | -           | 255            | 187         | H        |
| 5.149           | 30.59                | Pk  | 35.7                 | -31.7        | 34.59                    | 54                         | -19.41      | 74                        | -39.41      | 78             | 146         | H        |
| 5.149           | 17.23                | Av  | 35.7                 | -31.7        | 21.23                    | 54                         | -32.77      | -                         | -           | 78             | 146         | H        |
| 6.615           | 19.73                | Pk  | 38.2                 | -28.8        | 29.13                    | 54                         | -24.87      | 74                        | -44.87      | 91             | 373         | H        |
| 6.616           | 14.57                | Av  | 38.2                 | -28.8        | 23.97                    | 54                         | -30.03      | -                         | -           | 91             | 373         | H        |
| 2.528           | 37.71                | Pk  | 30.1                 | -35.7        | 32.11                    | 54                         | -21.89      | 74                        | -41.89      | 71             | 268         | V        |
| 2.53            | 29.92                | Av  | 30.1                 | -35.7        | 24.32                    | 54                         | -29.68      | -                         | -           | 71             | 268         | V        |
| 5.121           | 34.71                | Pk  | 35.7                 | -31.5        | 38.91                    | 54                         | -15.09      | 74                        | -35.09      | 82             | 197         | V        |
| 5.123           | 25.97                | Av  | 35.7                 | -31.5        | 30.17                    | 54                         | -23.83      | -                         | -           | 82             | 197         | V        |
| 6.6             | 32.76                | Pk  | 38.3                 | -29          | 42.06                    | 54                         | -11.94      | 74                        | -31.94      | 191            | 266         | V        |
| 6.602           | 23.77                | Av  | 38.3                 | -29          | 33.07                    | 54                         | -20.93      | -                         | -           | 191            | 266         | V        |

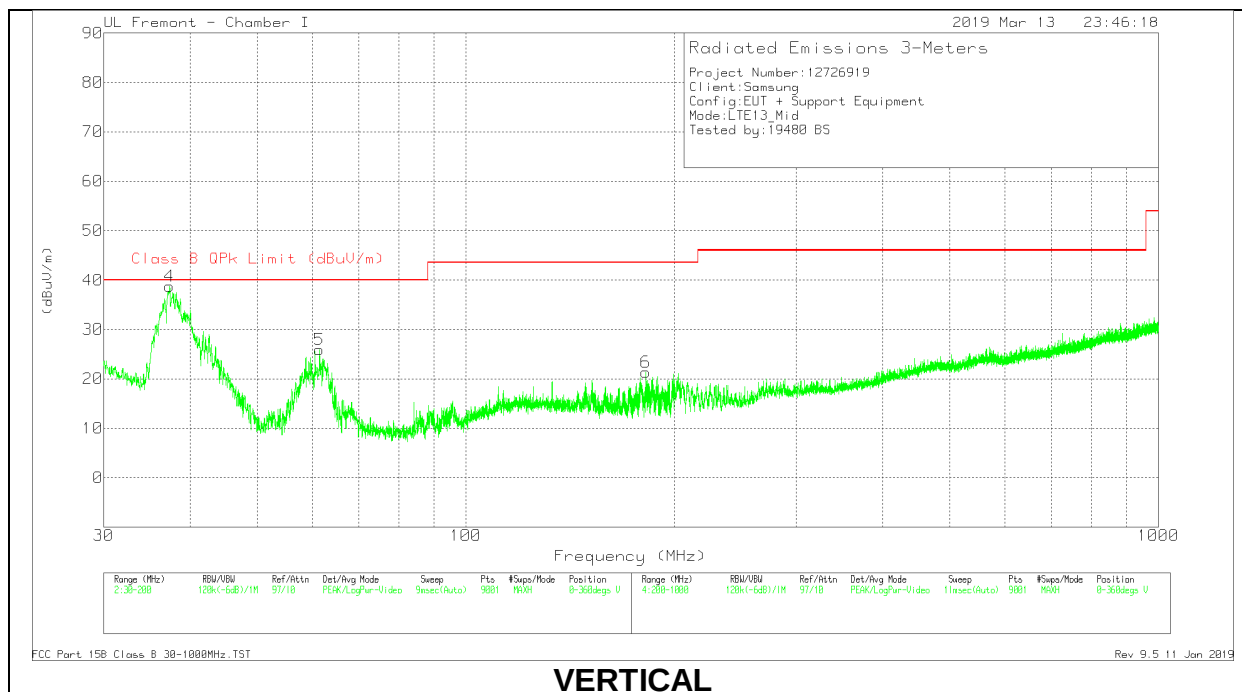
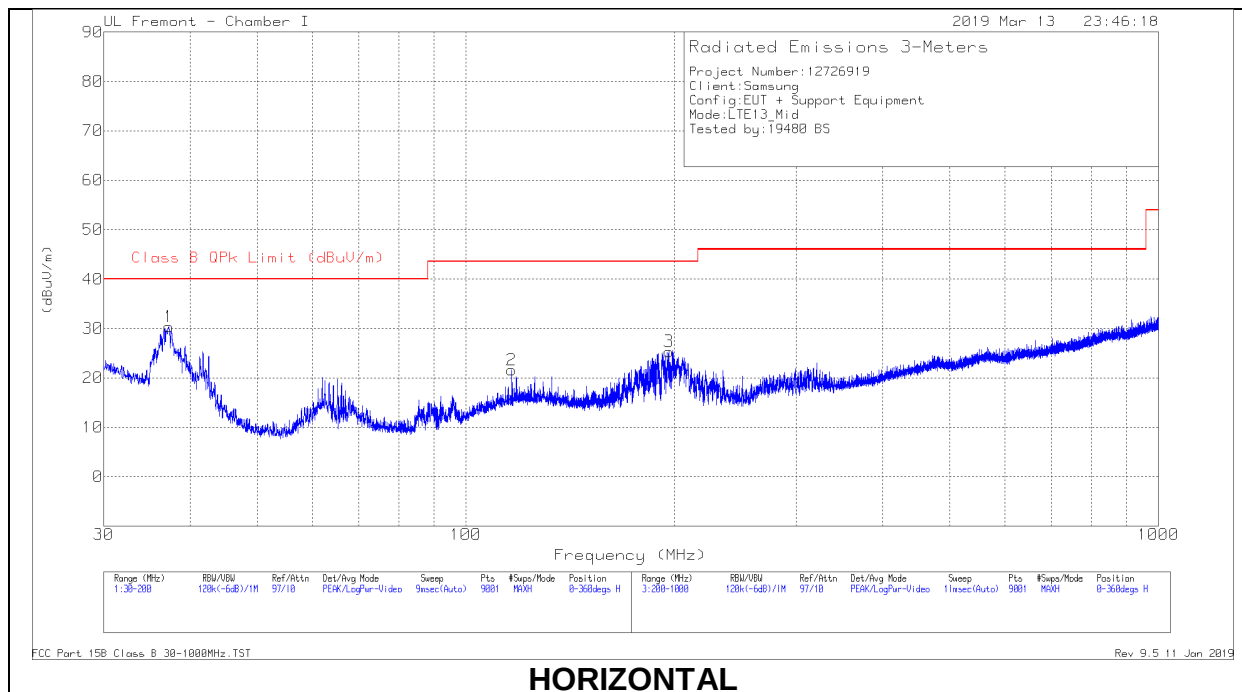
Pk - Peak detector

Av - Average detection

## 11.1. LTE Band 13

### 11.1.1. BELOW 1GHz

#### MID CHANNEL(751MHz)



## Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0184971 (dB/m) | Amp Cbl (dB) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------------|--------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 1      | 37.2439         | 40.13                | Pk  | 21.6                 | -31.3        | 30.43                      | 40                         | -9.57       | 0-360          | 199         | H        |
| 2      | 116.3794        | 32.97                | Pk  | 19.3                 | -30.6        | 21.67                      | 43.52                      | -21.85      | 0-360          | 399         | H        |
| 3      | 196.4121        | 37.96                | Pk  | 17.6                 | -30.2        | 25.36                      | 43.52                      | -18.16      | 0-360          | 199         | H        |
| 4      | 37.3478         | 48.54                | Pk  | 21.5                 | -31.3        | 38.74                      | 40                         | -1.26       | 0-360          | 101         | V        |
| 5      | 61.4313         | 43.66                | Pk  | 13.3                 | -31          | 25.96                      | 40                         | -14.04      | 0-360          | 101         | V        |
| 6      | 181.9242        | 34.79                | Pk  | 16.9                 | -30.3        | 21.39                      | 43.52                      | -22.13      | 0-360          | 101         | V        |

Pk - Peak detector

## Radiated Emissions

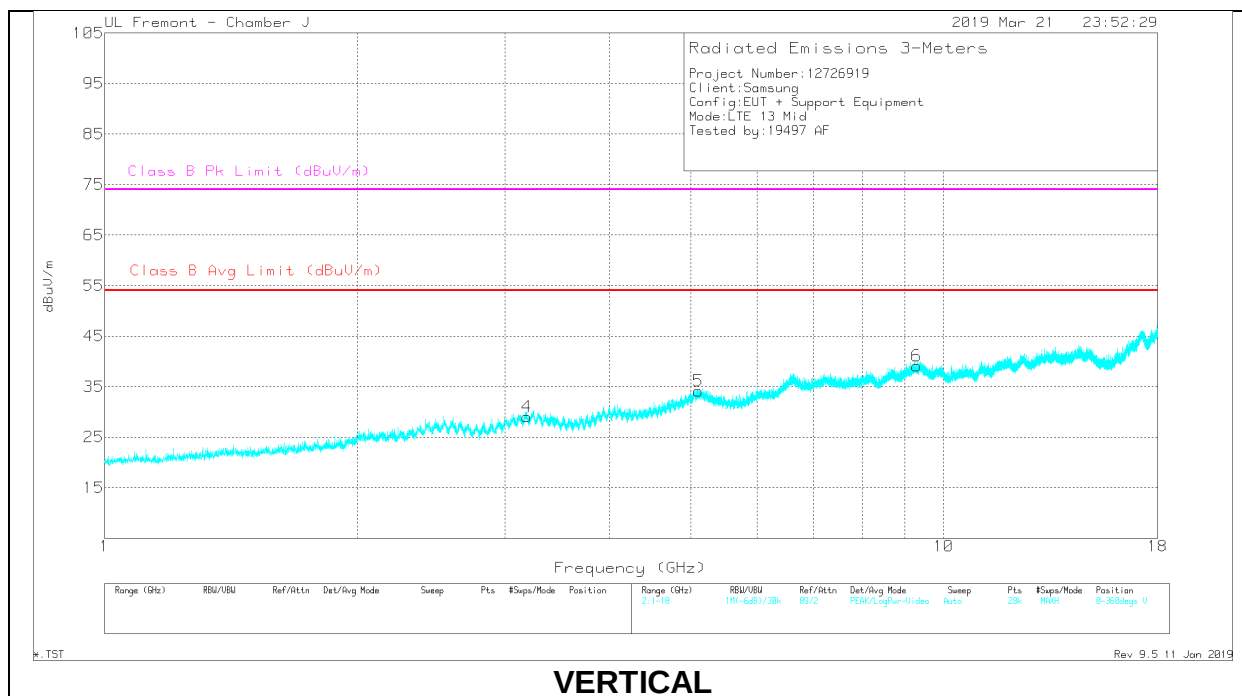
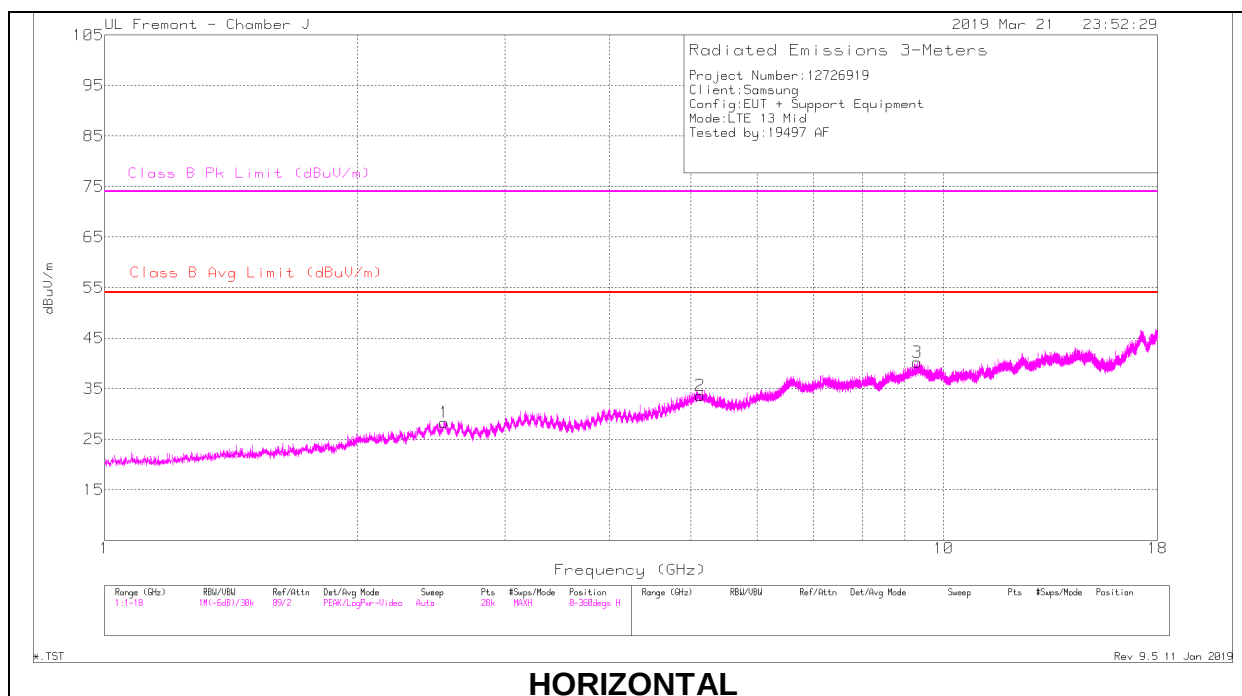
| Frequency (MHz) | Meter Reading (dBuV) | Det | AF PRE0184971 (dB/m) | Amp Cbl (dB) | Corrected Reading (dBuV/m) | Class B QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------------|--------------|----------------------------|----------------------------|-------------|----------------|-------------|----------|
| 37.5348         | 47.63                | Pk  | 21.4                 | -31.3        | 37.73                      | 40                         | -2.27       | 96             | 173         | V        |
| 37.5348         | 43.16                | Qp  | 21.4                 | -31.3        | 33.26                      | 40                         | -6.74       | 96             | 173         | V        |

Pk - Peak detector

Qp - Quasi-Peak detector

## 11.1.2. ABOVE 1GHz

### MID CHANNEL(751MHz)



## RADIATED EMISSIONS

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0189055 (dB/m) | Amp/Cbl (dB) | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------------|--------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1      | 2.539           | 33.86                | Avg | 30.2                 | -35.7        | 28.36                    | 54                         | -25.64      | -                         | -           | 0-360          | 102         | H        |
| 2      | 5.129           | 29.52                | Avg | 35.7                 | -31.6        | 33.62                    | 54                         | -20.38      | -                         | -           | 0-360          | 198         | H        |
| 3      | 9.308           | 26.13                | Avg | 39.9                 | -25.8        | 40.23                    | 54                         | -13.77      | -                         | -           | 0-360          | 102         | H        |
| 4      | 3.189           | 32.48                | Avg | 31.6                 | -35          | 29.08                    | 54                         | -24.92      | -                         | -           | 0-360          | 198         | V        |
| 5      | 5.104           | 29.99                | Avg | 35.7                 | -31.5        | 34.19                    | 54                         | -19.81      | -                         | -           | 0-360          | 101         | V        |
| 6      | 9.289           | 24.97                | Avg | 39.9                 | -25.8        | 39.07                    | 54                         | -14.93      | -                         | -           | 0-360          | 101         | V        |

Avg - Video bandwidth < Resolution bandwidth

### Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | AF PRE0189055 (dB/m) | Amp/Cbl (dB) | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------------|--------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.539           | 32.32                | Pk  | 30.2                 | -35.7        | 26.82                    | 54                         | -27.18      | 74                        | -47.18      | 0              | 101         | H        |
| 2.539           | 21.04                | Av  | 30.2                 | -35.7        | 15.54                    | 54                         | -38.46      | -                         | -           | 0              | 101         | H        |
| 5.129           | 25.87                | Pk  | 35.7                 | -31.6        | 29.97                    | 54                         | -24.03      | 74                        | -44.03      | 358            | 376         | H        |
| 5.129           | 16.77                | Av  | 35.7                 | -31.6        | 20.87                    | 54                         | -33.13      | -                         | -           | 358            | 376         | H        |
| 9.308           | 20.55                | Pk  | 39.9                 | -25.8        | 34.65                    | 54                         | -19.35      | 74                        | -39.35      | 92             | 107         | H        |
| 9.308           | 12.4                 | Av  | 39.9                 | -25.8        | 26.5                     | 54                         | -27.5       | -                         | -           | 92             | 107         | H        |
| 3.191           | 32.46                | Pk  | 31.6                 | -35.1        | 28.96                    | 54                         | -25.04      | 74                        | -45.04      | 143            | 114         | V        |
| 3.191           | 29.31                | Av  | 31.6                 | -35.1        | 25.81                    | 54                         | -28.19      | -                         | -           | 143            | 114         | V        |
| 5.102           | 32.07                | Pk  | 35.7                 | -31.6        | 36.17                    | 54                         | -17.83      | 74                        | -37.83      | 96             | 130         | V        |
| 5.102           | 26.32                | Av  | 35.7                 | -31.6        | 30.42                    | 54                         | -23.58      | -                         | -           | 96             | 130         | V        |
| 9.287           | 26.55                | Pk  | 39.9                 | -25.8        | 40.65                    | 54                         | -13.35      | 74                        | -33.35      | 189            | 126         | V        |
| 9.287           | 21.62                | Av  | 39.9                 | -25.8        | 35.72                    | 54                         | -18.28      | -                         | -           | 189            | 126         | V        |

Pk - Peak detector

Av - Average detection