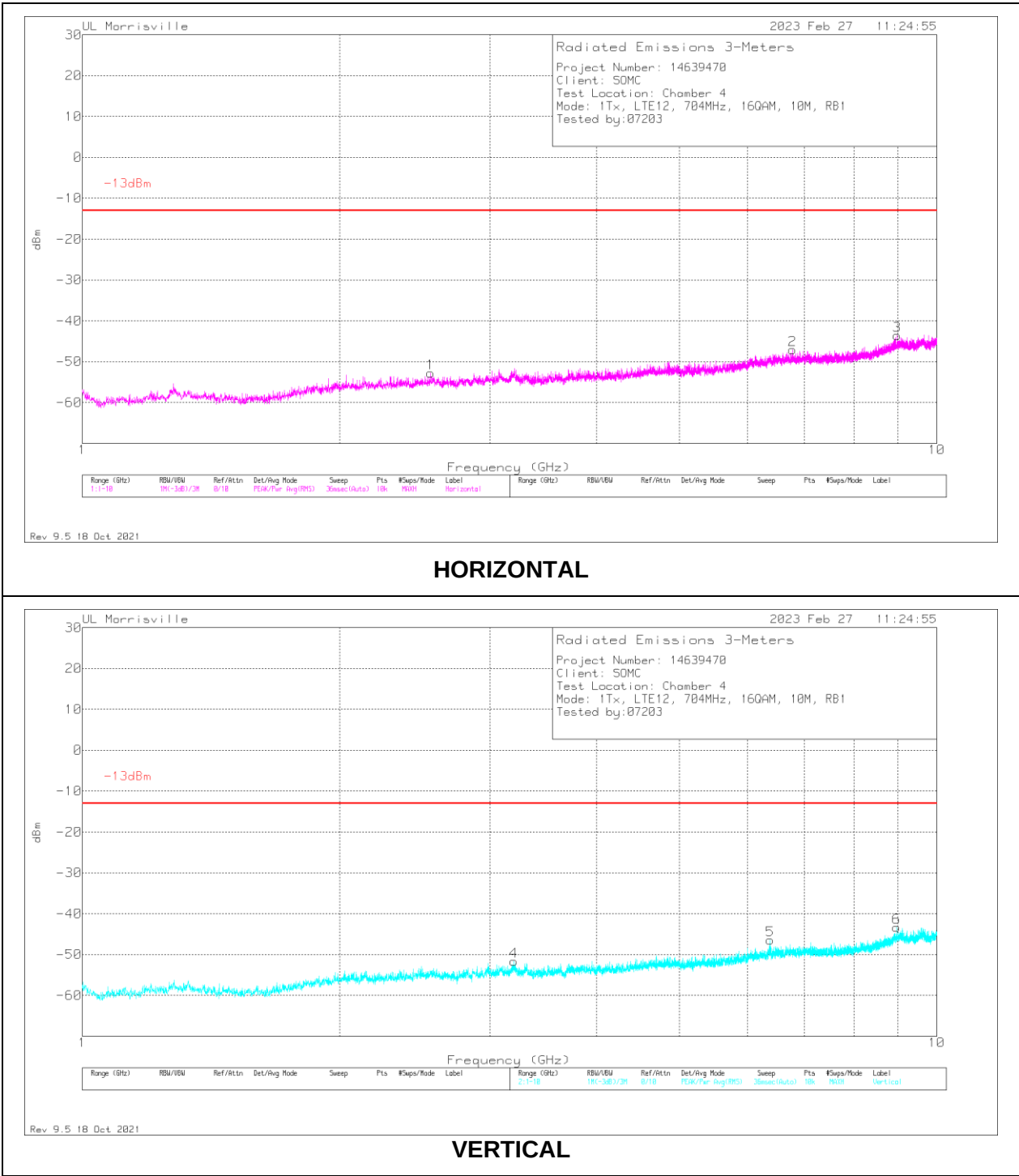


**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AT0067 (dB/m) | Gain/Loss (dB) | Filter (dB) | CF (dB) | Corrected Reading dBm | -13dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|-------------|---------|-----------------------|--------|-------------|----------------|-------------|----------|
| 1      | 2.4526          | -61.22              | Pk  | 32.3          | -36.1          | .4          | 11.8    | -52.82                | -13    | -39.82      | 0-360          | 100         | H        |
| 4      | 2.5579          | -61.52              | Pk  | 32.7          | -36.1          | .5          | 11.8    | -52.62                | -13    | -39.62      | 0-360          | 300         | V        |
| 2      | 5.4001          | -64.3               | Pk  | 34.6          | -31.8          | .4          | 11.8    | -49.3                 | -13    | -36.3       | 0-360          | 100         | H        |
| 5      | 6.6718          | -65.27              | Pk  | 35.6          | -29.3          | .6          | 11.8    | -46.57                | -13    | -33.57      | 0-360          | 200         | V        |
| 6      | 9.0334          | -65.26              | Pk  | 36.1          | -26.4          | .5          | 11.8    | -43.26                | -13    | -30.26      | 0-360          | 200         | V        |
| 3      | 9.0775          | -65.7               | Pk  | 36.1          | -26.6          | .7          | 11.8    | -43.7                 | -13    | -30.7       | 0-360          | 100         | H        |

Pk - Peak detector

16QAM LOW CHANNEL

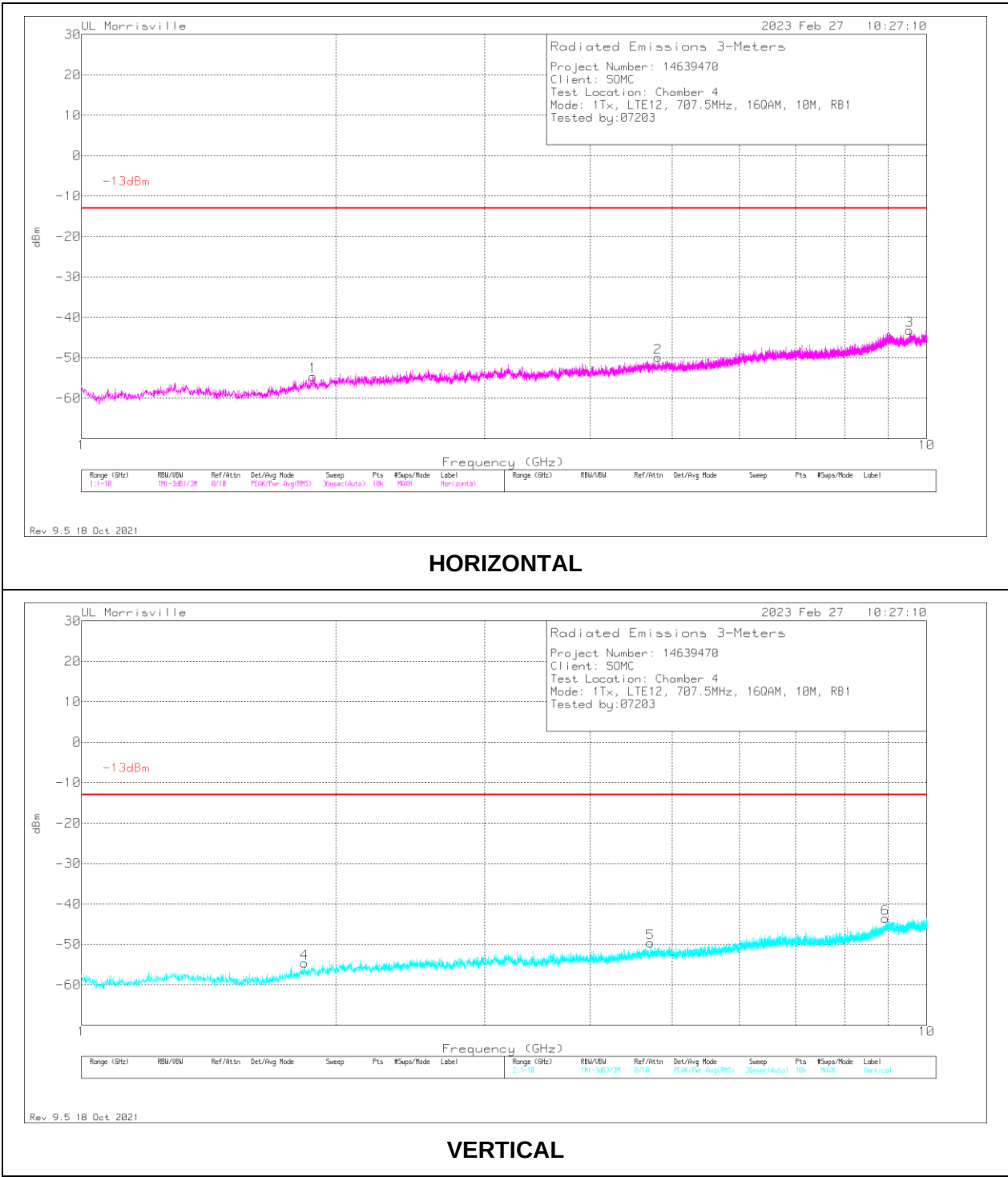


**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AT0067 (dB/m) | Gain/Loss (dB) | Filter (dB) | CF (dB) | Corrected Reading dBm | -13dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|-------------|---------|-----------------------|--------|-------------|----------------|-------------|----------|
| 1      | 2.557           | -61.54              | Pk  | 32.7          | -36.2          | .5          | 11.8    | -52.74                | -13    | -39.74      | 0-360          | 100         | H        |
| 4      | 3.1987          | -62.01              | Pk  | 33.3          | -35.5          | .8          | 11.8    | -51.61                | -13    | -38.61      | 0-360          | 200         | V        |
| 5      | 6.3802          | -65.09              | Pk  | 35.6          | -29.6          | .8          | 11.8    | -46.49                | -13    | -33.49      | 0-360          | 300         | V        |
| 2      | 6.7843          | -66.17              | Pk  | 35.6          | -29            | .7          | 11.8    | -47.07                | -13    | -34.07      | 0-360          | 100         | H        |
| 6      | 8.9794          | -65.62              | Pk  | 36.1          | -26.1          | .5          | 11.8    | -43.32                | -13    | -30.32      | 0-360          | 200         | V        |
| 3      | 8.9911          | -65.99              | Pk  | 36.1          | -26            | .5          | 11.8    | -43.59                | -13    | -30.59      | 0-360          | 100         | H        |

Pk - Peak detector

16QAM MID CHANNEL

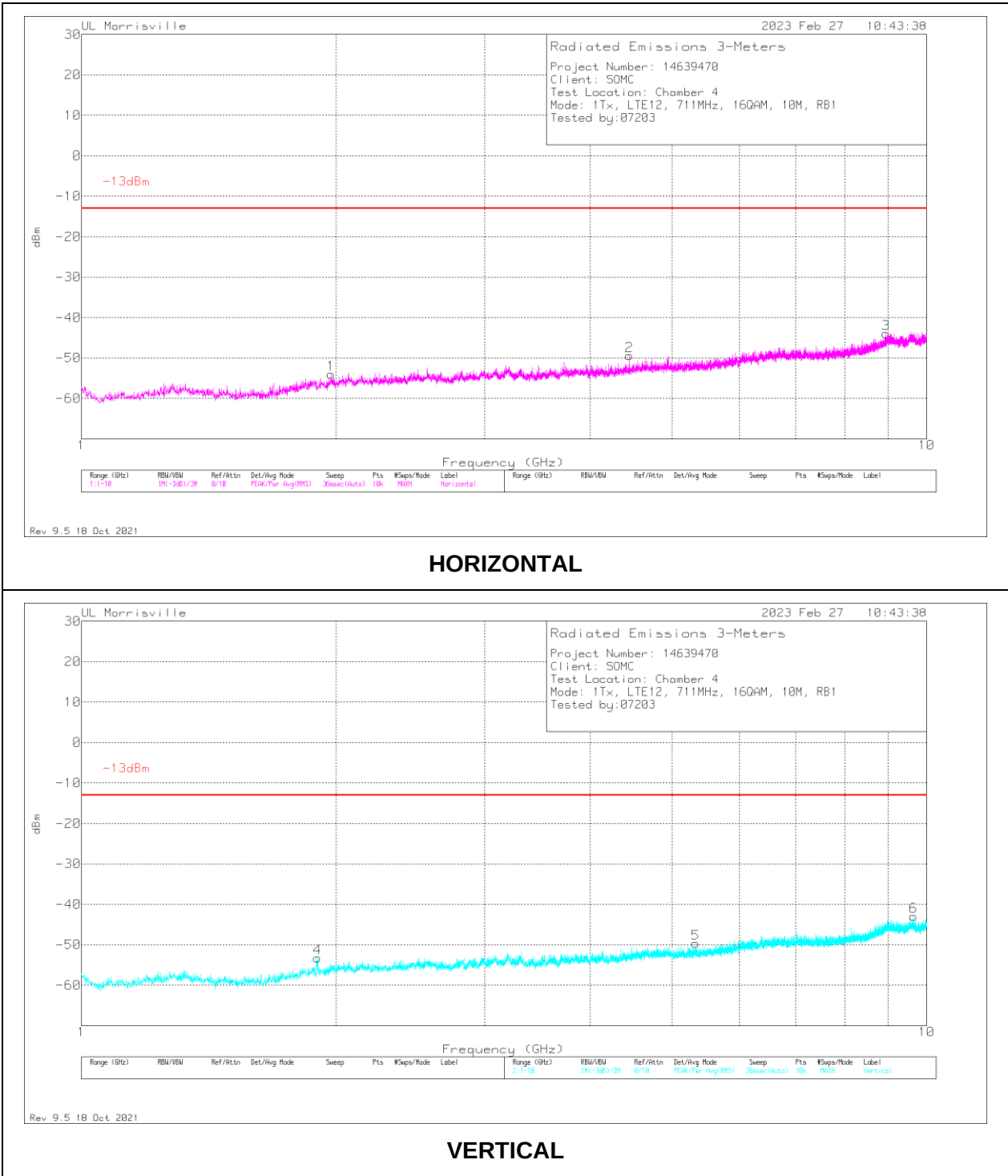


**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AT0067 (dB/m) | Gain/Loss (dB) | Filter (dB) | CF (dB) | Corrected Reading dBm | -13dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|-------------|---------|-----------------------|--------|-------------|----------------|-------------|----------|
| 4      | 1.8361          | -61.6               | Pk  | 30.9          | -36.1          | .4          | 11.8    | -54.6                 | -13    | -41.6       | 0-360          | 300         | V        |
| 1      | 1.8775          | -61.78              | Pk  | 31.3          | -36.3          | .4          | 11.8    | -54.58                | -13    | -41.58      | 0-360          | 100         | H        |
| 5      | 4.7143          | -63.6               | Pk  | 34            | -32.2          | .3          | 11.8    | -49.7                 | -13    | -36.7       | 0-360          | 300         | V        |
| 2      | 4.8124          | -64.14              | Pk  | 34.1          | -32            | .3          | 11.8    | -49.94                | -13    | -36.94      | 0-360          | 100         | H        |
| 6      | 8.9407          | -65.58              | Pk  | 36.1          | -26.5          | .6          | 11.8    | -43.58                | -13    | -30.58      | 0-360          | 200         | V        |
| 3      | 9.5473          | -66.09              | Pk  | 36.6          | -26.1          | .6          | 11.8    | -43.19                | -13    | -30.19      | 0-360          | 100         | H        |

Pk - Peak detector

16QAM HIGH CHANNEL



**RADIATED EMISSIONS**

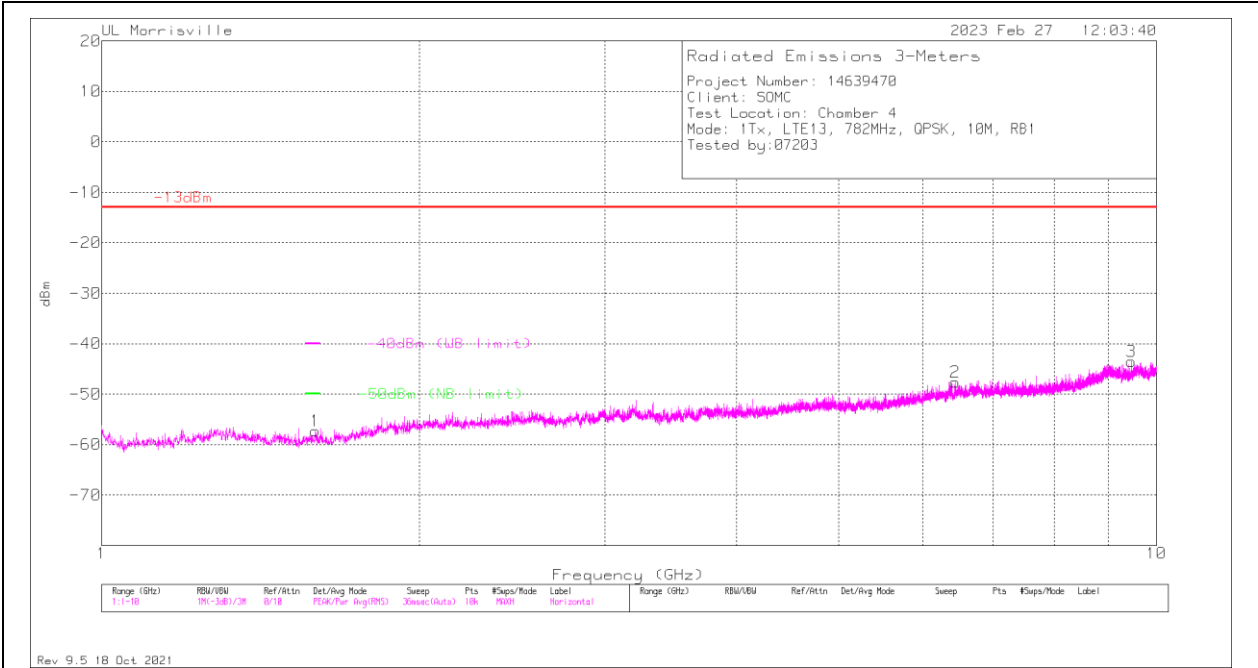
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AT0067 (dB/m) | Gain/Loss (dB) | Filter (dB) | CF (dB) | Corrected Reading dBm | -13dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|-------------|---------|-----------------------|--------|-------------|----------------|-------------|----------|
| 4      | 1.9027          | -60.33              | Pk  | 31.1          | -36.2          | .4          | 11.8    | -53.23                | -13    | -40.23      | 0-360          | 200         | V        |
| 1      | 1.9747          | -61.5               | Pk  | 31.6          | -36.2          | .3          | 11.8    | -54                   | -13    | -41         | 0-360          | 100         | H        |
| 2      | 4.4497          | -62.88              | Pk  | 33.7          | -32.4          | .3          | 11.8    | -49.48                | -13    | -36.48      | 0-360          | 200         | H        |
| 5      | 5.3272          | -64.17              | Pk  | 34.4          | -32            | .3          | 11.8    | -49.67                | -13    | -36.67      | 0-360          | 300         | V        |
| 3      | 8.9506          | -66.03              | Pk  | 36.1          | -26.4          | .6          | 11.8    | -43.93                | -13    | -30.93      | 0-360          | 200         | H        |
| 6      | 9.6454          | -65.96              | Pk  | 36.7          | -26.4          | .9          | 11.8    | -42.96                | -13    | -29.96      | 0-360          | 200         | V        |

Pk - Peak detector

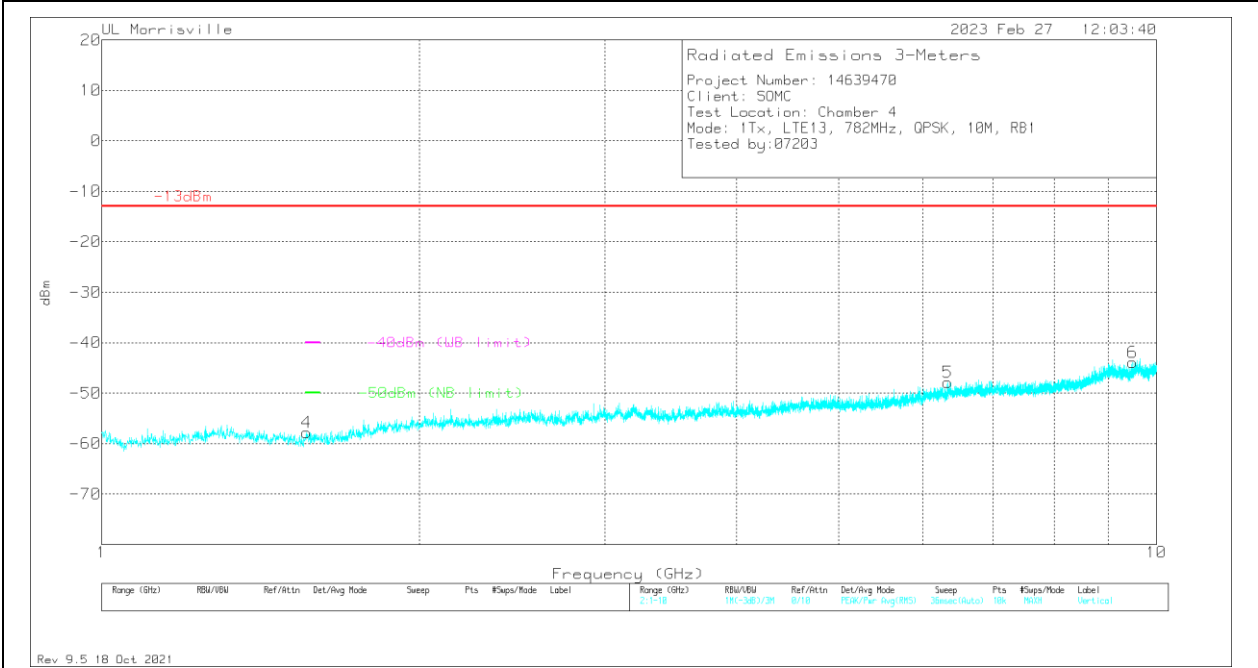
11.1.9.    LTE13

|                   |       |            |            |              |            |
|-------------------|-------|------------|------------|--------------|------------|
| Test Engineer ID: | 11993 | Test Date: | 2023-02-27 | Sample Used: | QV77003JFR |
|-------------------|-------|------------|------------|--------------|------------|

QPSK MID CHANNEL



HORIZONTAL



VERTICAL

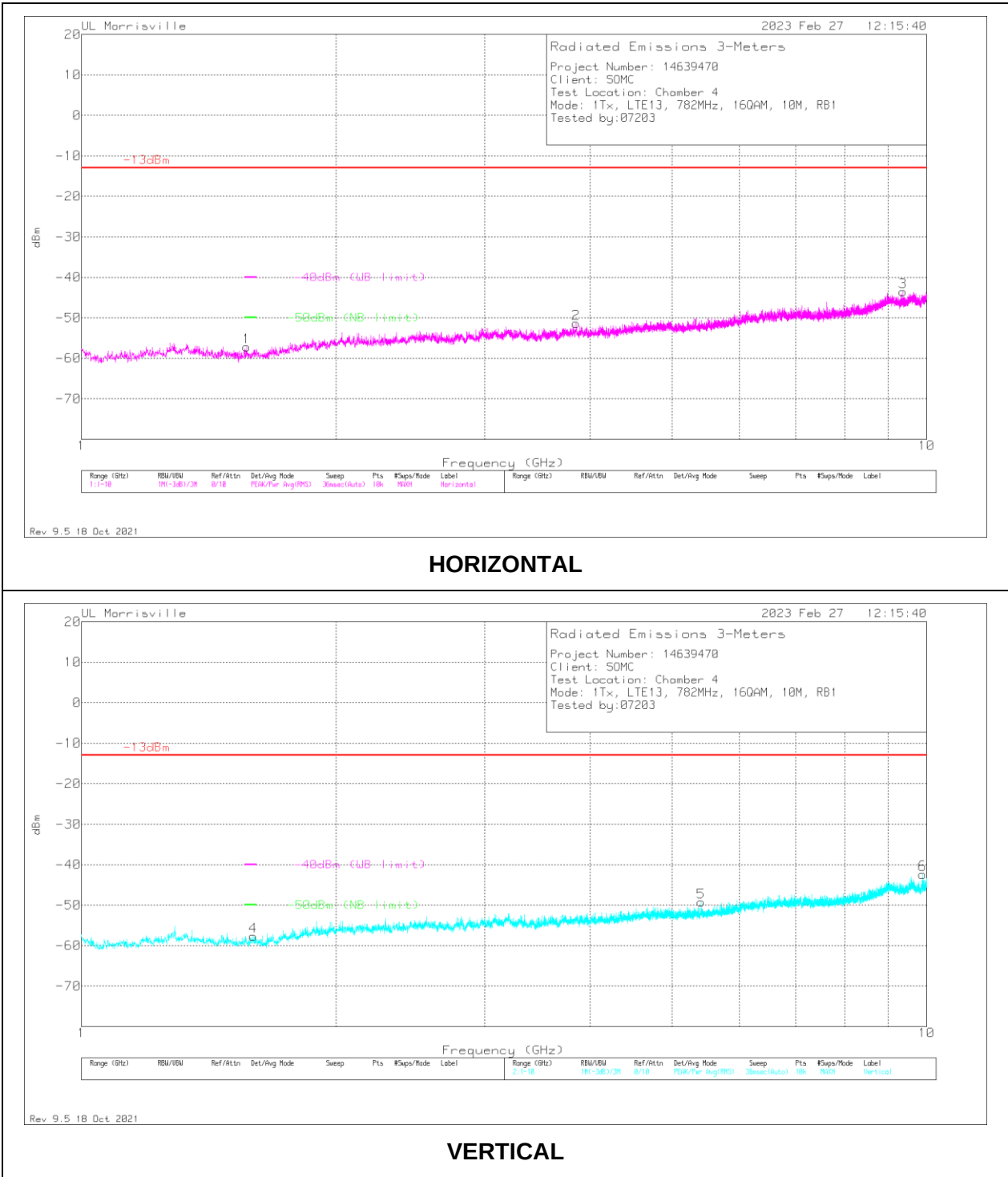
**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AT0067 (dB/m) | Gain/Loss (dB) | Filter (dB) | CF (dB) | Corrected Reading dBm | -13dBm | Margin (dB) | -50dBm (NB limit) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|-------------|---------|-----------------------|--------|-------------|-------------------|-------------|----------------|-------------|----------|
| 4      | 1.5634          | -62.56              | Pk  | 28.4          | -36.1          | .7          | 11.8    | -57.76                | -13    | -44.76      | -50               | -7.76       | 0-360          | 300         | V        |
| 1      | 1.5949          | -62.06              | Pk  | 28.8          | -36.3          | .5          | 11.8    | -57.26                | -13    | -44.26      | -50               | -7.26       | 0-360          | 100         | H        |
| 5      | 6.3379          | -66.24              | Pk  | 35.5          | -29.7          | .8          | 11.8    | -47.84                | -13    | -34.84      | -                 | -           | 0-360          | 300         | V        |
| 2      | 6.4423          | -66.19              | Pk  | 35.6          | -29.4          | .6          | 11.8    | -47.59                | -13    | -34.59      | -                 | -           | 0-360          | 200         | H        |
| 3      | 9.4618          | -65.99              | Pk  | 36.5          | -26.5          | .7          | 11.8    | -43.49                | -13    | -30.49      | -                 | -           | 0-360          | 200         | H        |
| 6      | 9.496           | -66.56              | Pk  | 36.6          | -26.6          | .9          | 11.8    | -43.86                | -13    | -30.86      | -                 | -           | 0-360          | 200         | V        |

Pk - Peak detector

Note: -50dBm Narrowband limit used as WC. No emissions in the GPS band were observed.

16QAM MID CHANNEL



**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | AT0067 (dB/m) | Gain/Loss (dB) | Filter (dB) | CF (dB) | Corrected Reading dBm | -13dBm | Margin (dB) | -50dBm (NB limit) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|-------------|---------|-----------------------|--------|-------------|-------------------|-------------|----------------|-------------|----------|
| 1      | 1.5679          | -61.96              | Pk  | 28.5          | -36.1          | .6          | 11.8    | -57.16                | -13    | -44.16      | -50               | -7.16       | 0-360          | 200         | H        |
| 4      | 1.5958          | -62.52              | Pk  | 28.8          | -36.3          | .5          | 11.8    | -57.72                | -13    | -44.72      | -50               | -7.72       | 0-360          | 300         | V        |
| 2      | 3.8503          | -63.4               | Pk  | 33.5          | -33.7          | .5          | 11.8    | -51.3                 | -13    | -38.3       | -                 | -           | 0-360          | 100         | H        |
| 5      | 5.4118          | -63.98              | Pk  | 34.6          | -32.1          | .4          | 11.8    | -49.28                | -13    | -36.28      | -                 | -           | 0-360          | 200         | V        |
| 3      | 9.3718          | -66.09              | Pk  | 36.4          | -26.5          | .8          | 11.8    | -43.59                | -13    | -30.59      | -                 | -           | 0-360          | 100         | H        |
| 6      | 9.8938          | -65.16              | Pk  | 37            | -26.9          | .9          | 11.8    | -42.36                | -13    | -29.36      | -                 | -           | 0-360          | 200         | V        |

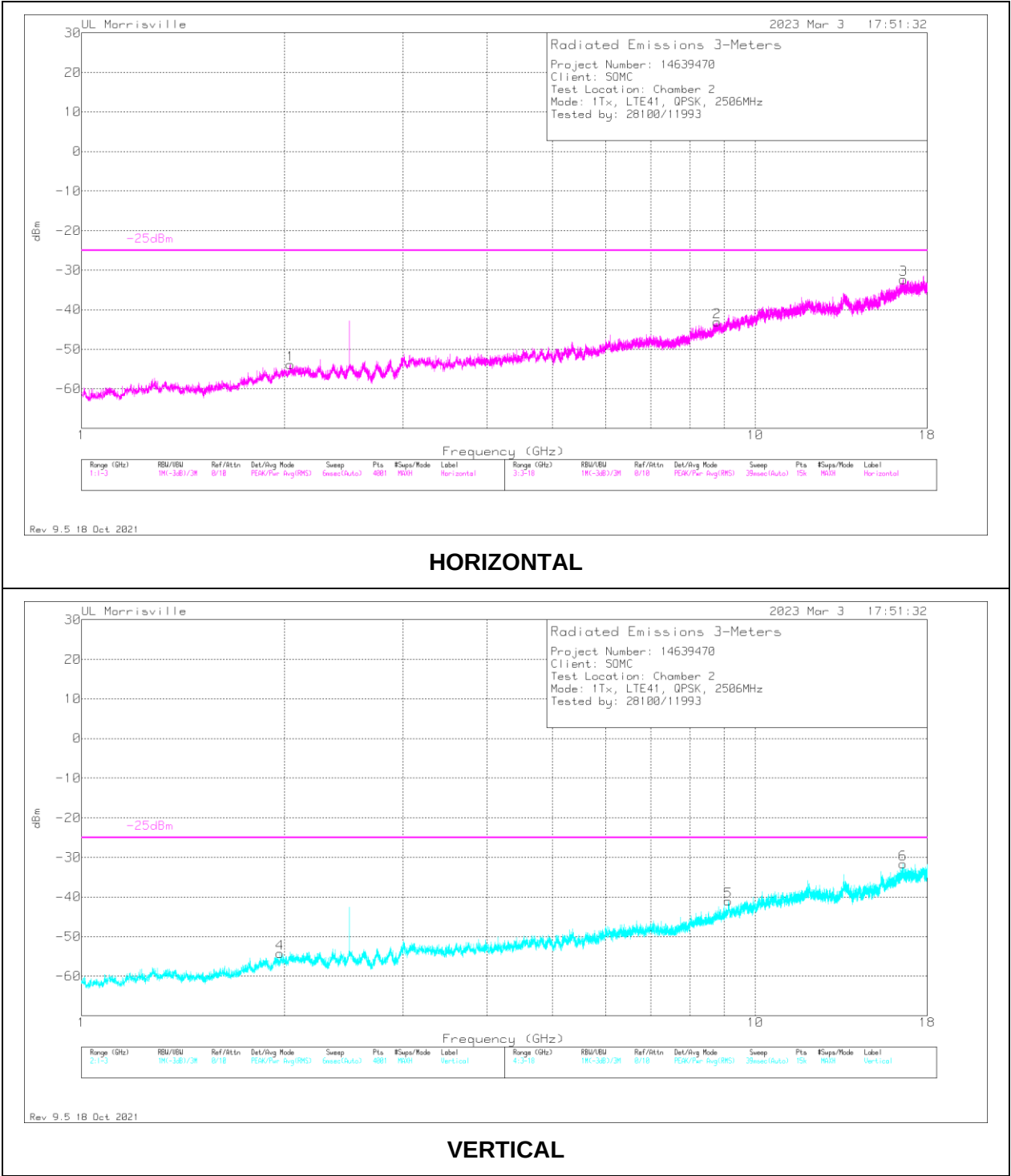
Pk - Peak detector

Note: -50dBm Narrowband limit used as WC. No emissions in the GPS band were observed.

11.1.10. LTE41

|                   |             |            |            |              |            |
|-------------------|-------------|------------|------------|--------------|------------|
| Test Engineer ID: | 28100/11993 | Test Date: | 2023-03-03 | Sample Used: | QV7700HTFR |
|-------------------|-------------|------------|------------|--------------|------------|

QPSK LOW CHANNEL

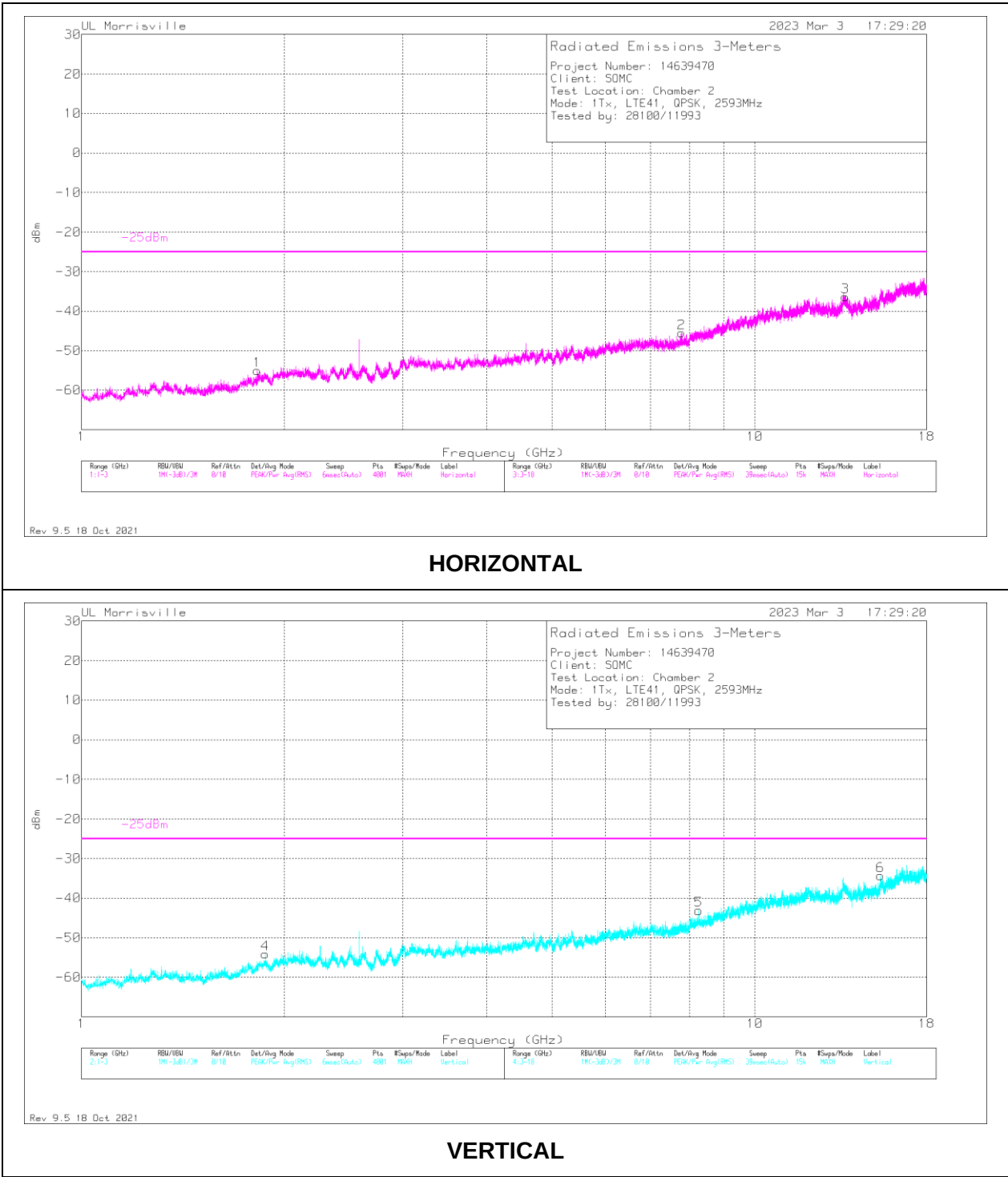


**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 206211 (dB/m) | Gain/Loss (dB) | CF (dB) | Filter (dB) | Corrected Reading dBm | -25dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|---------|-------------|-----------------------|--------|-------------|----------------|-------------|----------|
| 4      | 1.9715          | -63.7               | Pk  | 31            | -34.4          | 11.8    | 1.1         | -54.2                 | -25    | -29.2       | 0-360          | 200         | V        |
| 1      | 2.041           | -64.33              | Pk  | 31.6          | -34.1          | 11.8    | 1.2         | -53.83                | -25    | -28.83      | 0-360          | 199         | H        |
| 2      | 8.779           | -65.73              | Pk  | 36            | -25.6          | 11.8    | .4          | -43.13                | -25    | -18.13      | 0-360          | 200         | H        |
| 5      | 9.111           | -64.36              | Pk  | 36.2          | -25.5          | 11.8    | .8          | -41.06                | -25    | -16.06      | 0-360          | 300         | V        |
| 6      | 16.578          | -64.98              | Pk  | 41.4          | -21.2          | 11.8    | 1.3         | -31.68                | -25    | -6.68       | 0-360          | 101         | V        |
| 3      | 16.596          | -64.55              | Pk  | 41.5          | -22.3          | 11.8    | 1.2         | -32.35                | -25    | -7.35       | 0-360          | 300         | H        |

Pk - Peak detector

QPSK MID CHANNEL

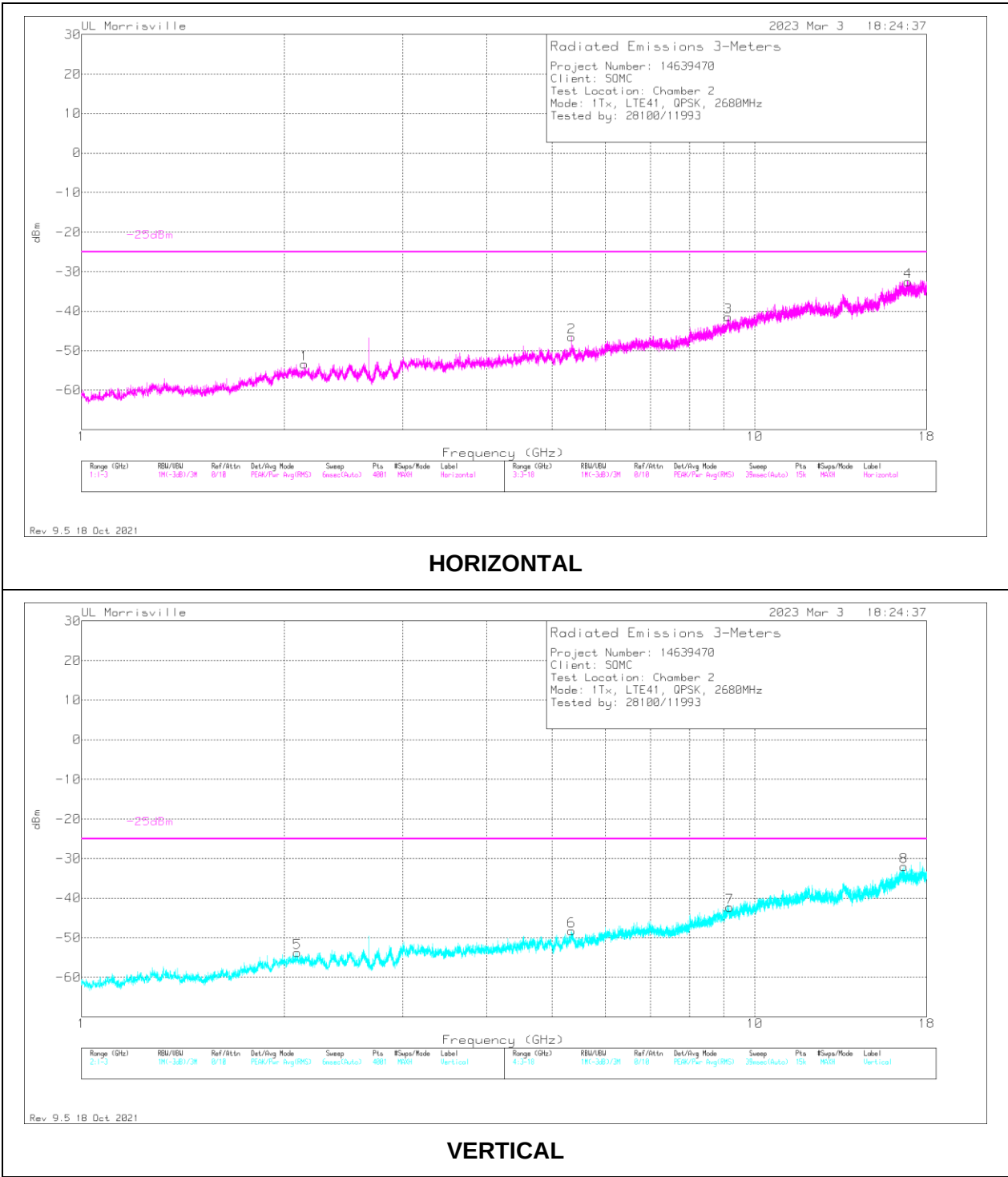


**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 206211 (dB/m) | Gain/Loss (dB) | CF (dB) | Filter (dB) | Corrected Reading dBm | -25dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|---------|-------------|-----------------------|--------|-------------|----------------|-------------|----------|
| 1      | 1.8235          | -63.51              | Pk  | 30.1          | -34.5          | 11.8    | 1.1         | -55.01                | -25    | -30.01      | 0-360          | 200         | H        |
| 4      | 1.8735          | -63.32              | Pk  | 30.6          | -34.2          | 11.8    | 1           | -54.12                | -25    | -29.12      | 0-360          | 101         | V        |
| 2      | 7.782           | -66.74              | Pk  | 35.8          | -26.8          | 11.8    | .4          | -45.54                | -25    | -20.54      | 0-360          | 101         | H        |
| 5      | 8.252           | -64.54              | Pk  | 35.8          | -26.7          | 11.8    | .5          | -43.14                | -25    | -18.14      | 0-360          | 300         | V        |
| 3      | 13.632          | -62.86              | Pk  | 38.7          | -24.6          | 11.8    | .6          | -36.36                | -25    | -11.36      | 0-360          | 200         | H        |
| 6      | 15.361          | -65.27              | Pk  | 40            | -21.5          | 11.8    | .7          | -34.27                | -25    | -9.27       | 0-360          | 200         | V        |

Pk - Peak detector

QPSK HIGH CHANNEL

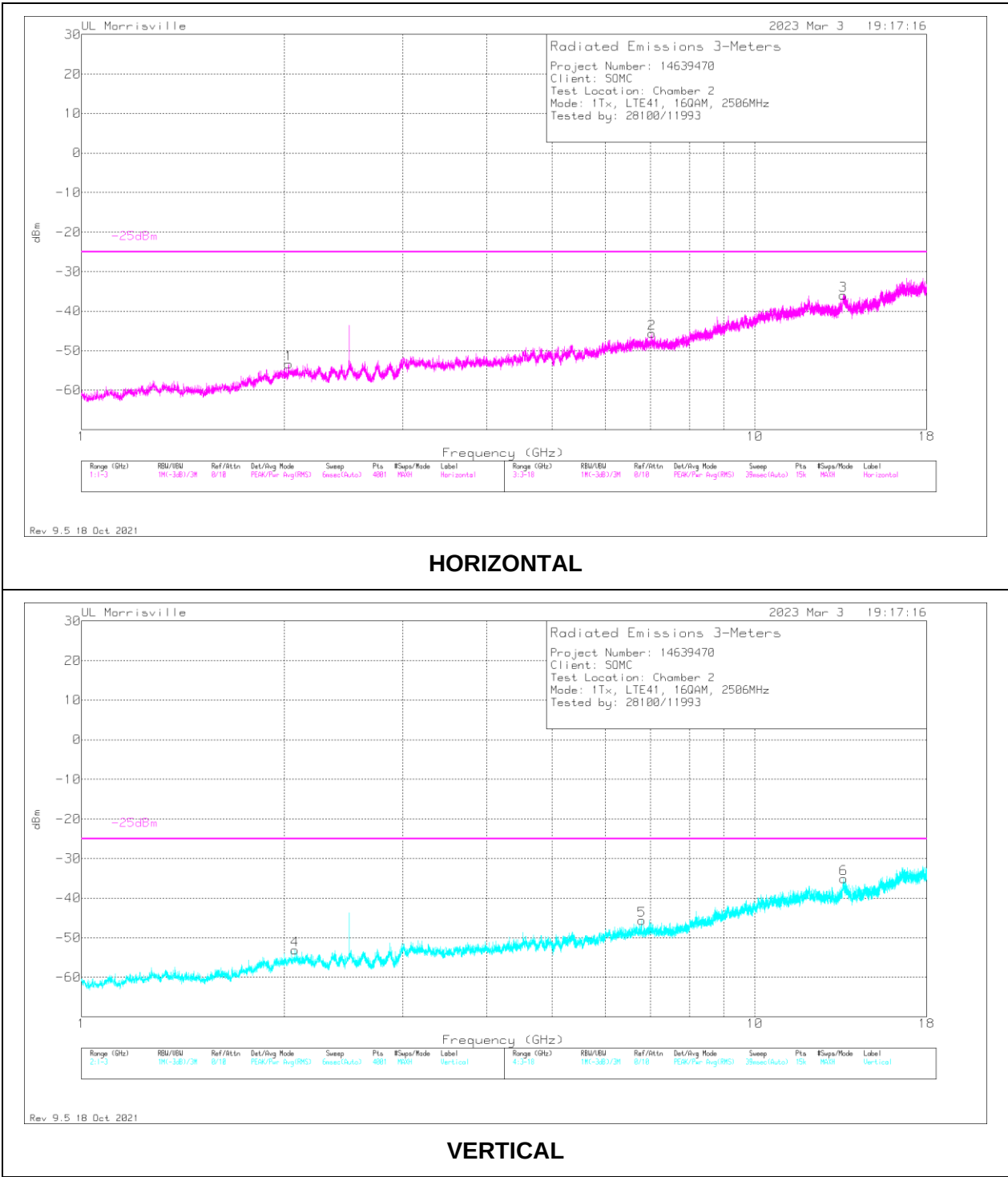


**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 206211 (dB/m) | Gain/Loss (dB) | CF (dB) | Filter (dB) | Corrected Reading dBm | -25dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|---------|-------------|-----------------------|--------|-------------|----------------|-------------|----------|
| 5      | 2.0925          | -64.07              | Pk  | 31.5          | -34.2          | 11.8    | 1.2         | -53.77                | -25    | -28.77      | 0-360          | 300         | V        |
| 1      | 2.142           | -63.05              | Pk  | 31.5          | -34.8          | 11.8    | 1.2         | -53.35                | -25    | -28.35      | 0-360          | 300         | H        |
| 2      | 5.342           | -65.01              | Pk  | 34.6          | -28.8          | 11.8    | .9          | -46.51                | -25    | -21.51      | 0-360          | 101         | H        |
| 6      | 5.348           | -67.06              | Pk  | 34.6          | -28.5          | 11.8    | .9          | -48.26                | -25    | -23.26      | 0-360          | 101         | V        |
| 3      | 9.14            | -65.24              | Pk  | 36.2          | -25            | 11.8    | .8          | -41.44                | -25    | -16.44      | 0-360          | 201         | H        |
| 7      | 9.181           | -65.28              | Pk  | 36.3          | -25.6          | 11.8    | .5          | -42.28                | -25    | -17.28      | 0-360          | 101         | V        |
| 8      | 16.648          | -63.96              | Pk  | 41.7          | -22.6          | 11.8    | 1           | -32.06                | -25    | -7.06       | 0-360          | 200         | V        |
| 4      | 16.886          | -65.38              | Pk  | 41.8          | -22            | 11.8    | 1.2         | -32.58                | -25    | -7.58       | 0-360          | 101         | H        |

Pk - Peak detector

16QAM LOW CHANNEL

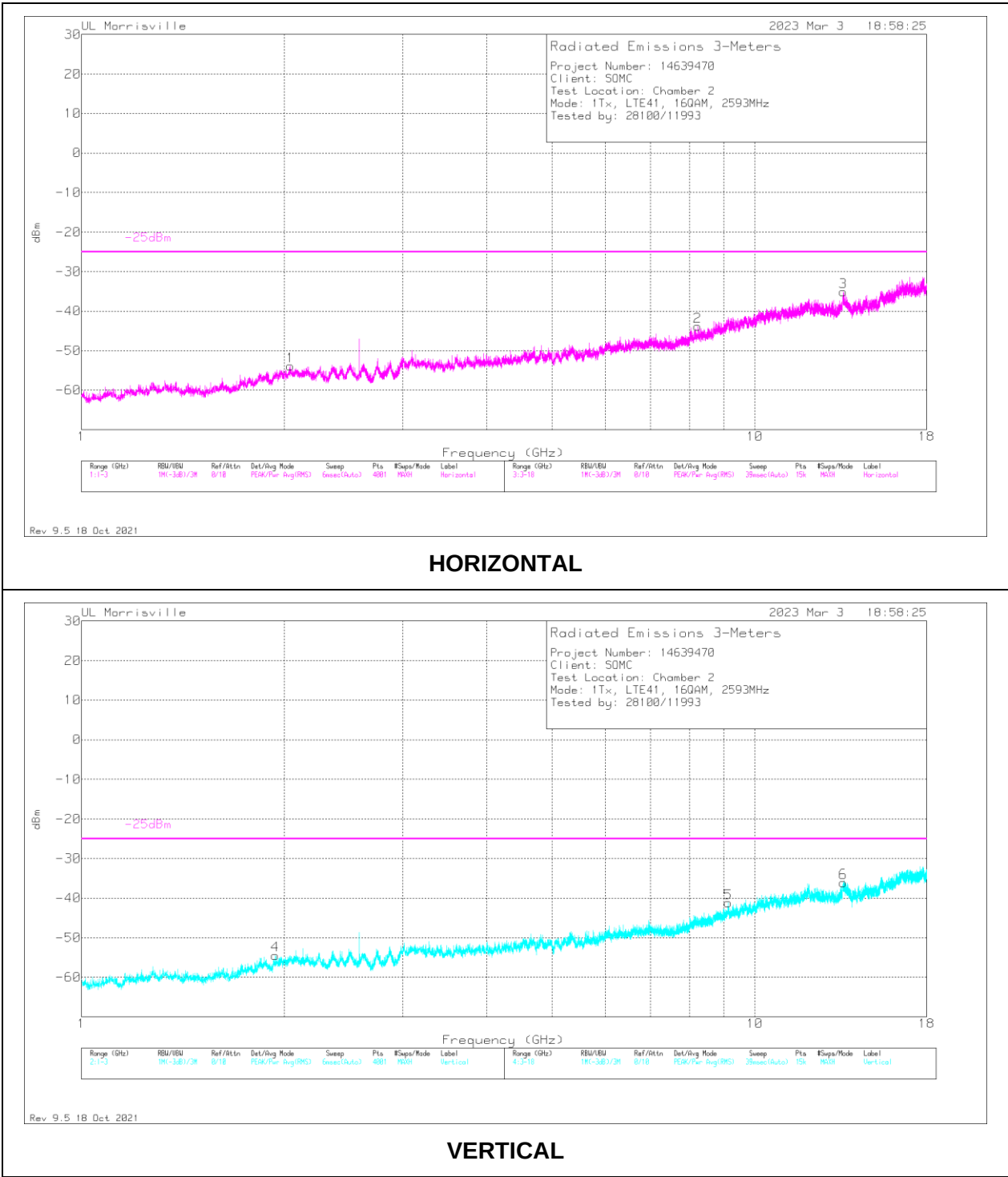


**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 206211 (dB/m) | Gain/Loss (dB) | CF (dB) | Filter (dB) | Corrected Reading dBm | -25dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|---------|-------------|-----------------------|--------|-------------|----------------|-------------|----------|
| 1      | 2.0305          | -63.81              | Pk  | 31.6          | -34.2          | 11.8    | 1.2         | -53.41                | -25    | -28.41      | 0-360          | 199         | H        |
| 4      | 2.074           | -63.29              | Pk  | 31.6          | -34.4          | 11.8    | 1.2         | -53.09                | -25    | -28.09      | 0-360          | 300         | V        |
| 5      | 6.797           | -65.77              | Pk  | 35.6          | -27.8          | 11.8    | .5          | -45.67                | -25    | -20.67      | 0-360          | 200         | V        |
| 2      | 7.036           | -66.2               | Pk  | 35.6          | -27.3          | 11.8    | .5          | -45.6                 | -25    | -20.6       | 0-360          | 199         | H        |
| 3      | 13.54           | -62.78              | Pk  | 38.8          | -24.3          | 11.8    | .5          | -35.98                | -25    | -10.98      | 0-360          | 300         | H        |
| 6      | 13.557          | -62.18              | Pk  | 38.8          | -24.1          | 11.8    | .6          | -35.08                | -25    | -10.08      | 0-360          | 300         | V        |

Pk - Peak detector

16QAM MID CHANNEL

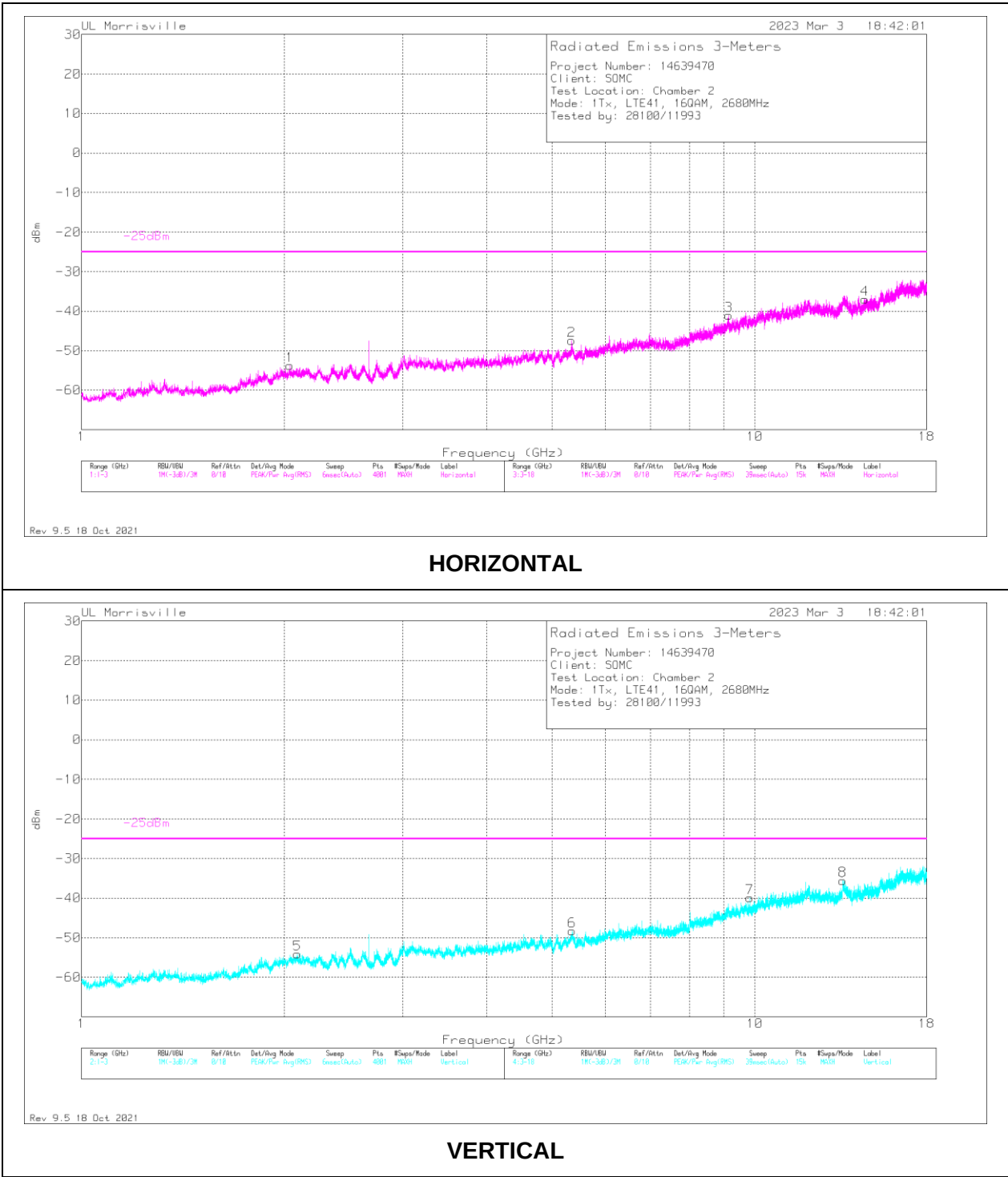


**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 206211 (dB/m) | Gain/Loss (dB) | CF (dB) | Filter (dB) | Corrected Reading dBm | -25dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|---------|-------------|-----------------------|--------|-------------|----------------|-------------|----------|
| 4      | 1.9415          | -63.74              | Pk  | 30.7          | -34.4          | 11.8    | 1.2         | -54.44                | -25    | -29.44      | 0-360          | 101         | V        |
| 1      | 2.0415          | -64.24              | Pk  | 31.6          | -34.2          | 11.8    | 1.2         | -53.84                | -25    | -28.84      | 0-360          | 200         | H        |
| 2      | 8.225           | -65.27              | Pk  | 35.7          | -26.5          | 11.8    | .4          | -43.87                | -25    | -18.87      | 0-360          | 200         | H        |
| 5      | 9.133           | -65.03              | Pk  | 36.2          | -25            | 11.8    | .9          | -41.13                | -25    | -16.13      | 0-360          | 300         | V        |
| 3      | 13.524          | -61.96              | Pk  | 38.8          | -24.2          | 11.8    | .5          | -35.06                | -25    | -10.06      | 0-360          | 101         | H        |
| 6      | 13.545          | -63.14              | Pk  | 38.8          | -24.1          | 11.8    | .6          | -36.04                | -25    | -11.04      | 0-360          | 200         | V        |

Pk - Peak detector

16QAM HIGH CHANNEL



**RADIATED EMISSIONS**

| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 206211 (dB/m) | Gain/Loss (dB) | CF (dB) | Filter (dB) | Corrected Reading dBm | -25dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|---------|-------------|-----------------------|--------|-------------|----------------|-------------|----------|
| 1      | 2.0385          | -64.3               | Pk  | 31.6          | -34.1          | 11.8    | 1.2         | -53.8                 | -25    | -28.8       | 0-360          | 100         | H        |
| 5      | 2.0915          | -64.39              | Pk  | 31.5          | -34.2          | 11.8    | 1.2         | -54.09                | -25    | -29.09      | 0-360          | 300         | V        |
| 2      | 5.342           | -65.9               | Pk  | 34.6          | -28.8          | 11.8    | .9          | -47.4                 | -25    | -22.4       | 0-360          | 300         | H        |
| 6      | 5.351           | -66.89              | Pk  | 34.6          | -28.6          | 11.8    | .8          | -48.29                | -25    | -23.29      | 0-360          | 300         | V        |
| 3      | 9.142           | -64.76              | Pk  | 36.2          | -25.1          | 11.8    | .8          | -41.06                | -25    | -16.06      | 0-360          | 101         | H        |
| 7      | 9.825           | -65.13              | Pk  | 36.9          | -25.1          | 11.8    | 1.6         | -39.93                | -25    | -14.93      | 0-360          | 101         | V        |
| 8      | 13.503          | -62.73              | Pk  | 38.8          | -23.9          | 11.8    | .5          | -35.53                | -25    | -10.53      | 0-360          | 200         | V        |
| 4      | 14.583          | -66.68              | Pk  | 39.4          | -22.4          | 11.8    | .9          | -36.98                | -25    | -11.98      | 0-360          | 300         | H        |

Pk - Peak detector

## 11.2. WORST CASE EMISSIONS

### RULE PART(S)

FCC: §2.1053, §22.917, §27.53.

### LIMITS

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

### TEST PROCEDURE

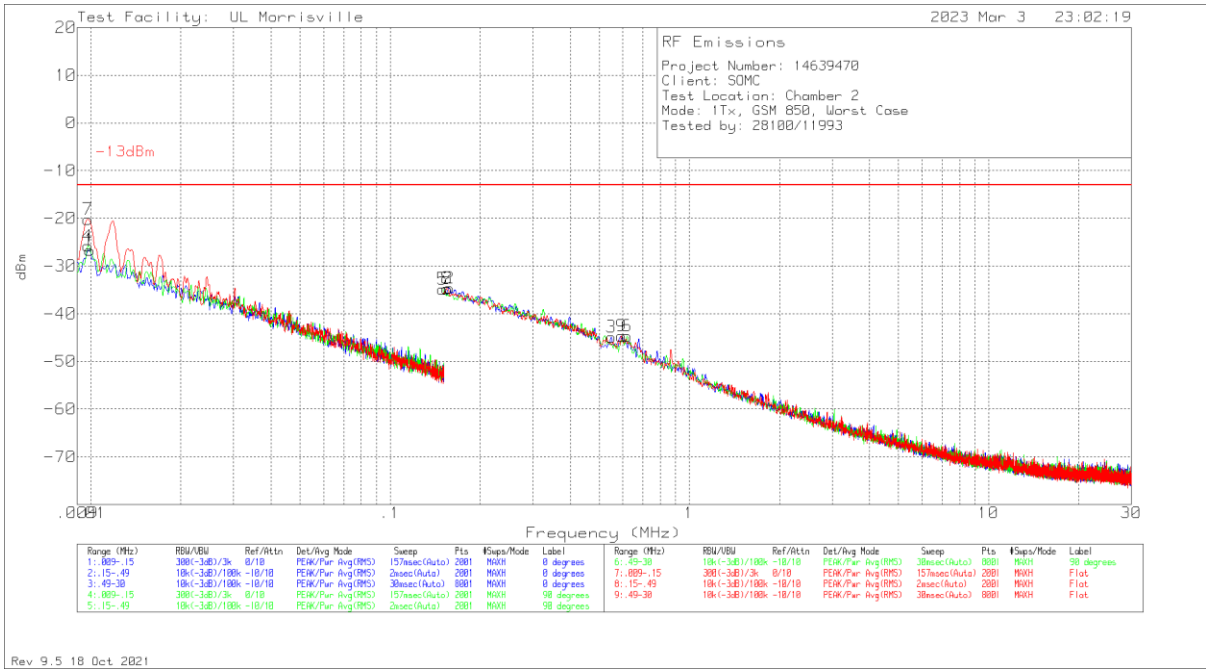
KDB 971168 D01 v02r02/D02 v01

### RESULTS

11.2.1. Worst-Case Emissions for 2G

|                   |                            |            |                          |              |                          |
|-------------------|----------------------------|------------|--------------------------|--------------|--------------------------|
| Test Engineer ID: | 28100/11993<br>23854/11993 | Test Date: | 2023-03-03<br>2023-03-06 | Sample Used: | QV7700HTFR<br>QV77003JFR |
|-------------------|----------------------------|------------|--------------------------|--------------|--------------------------|

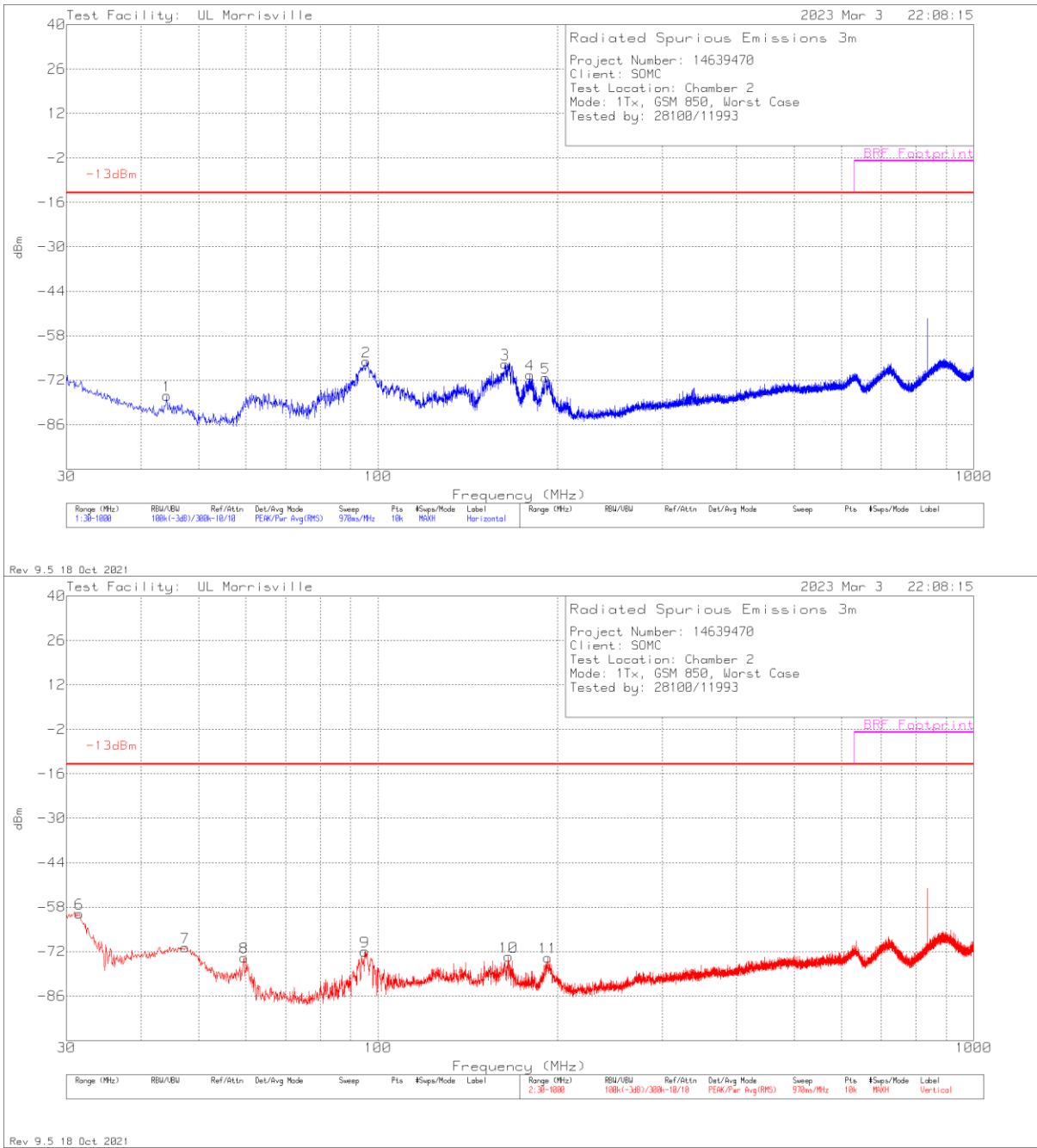
Spurious below 30MHz



| Marker | Frequency (MHz) | Meter Reading (dBm) | Det | 135144 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading dBm | -13dBm | PK Margin (dB) | Azimuth (Degs) | Loop Angle |
|--------|-----------------|---------------------|-----|---------------|----------------|------------------------|-----------------------|--------|----------------|----------------|------------|
| 4      | .00978          | -57.21              | Pk  | 19.5          | .1             | 11.8                   | -25.81                | -13    | -12.81         | 0-360          | 90 degs    |
| 7      | .00978          | -51.63              | Pk  | 19.5          | .1             | 11.8                   | -20.23                | -13    | -7.23          | 0-360          | Flat       |
| 1      | .00992          | -57.96              | Pk  | 19.4          | .1             | 11.8                   | -26.66                | -13    | -13.66         | 0-360          | 0 degs     |
| 5      | .15             | -58.97              | Pk  | 12.2          | .1             | 11.8                   | -34.87                | -13    | -21.87         | 0-360          | 90 degs    |
| 8      | .15519          | -58.81              | Pk  | 12.2          | .1             | 11.8                   | -34.71                | -13    | -21.71         | 0-360          | Flat       |
| 2      | .15765          | -58.74              | Pk  | 12.2          | .1             | 11.8                   | -34.64                | -13    | -21.64         | 0-360          | 0 degs     |
| 3      | .54902          | -69                 | Pk  | 12.2          | .1             | 11.8                   | -44.9                 | -13    | -31.9          | 0-360          | 0 degs     |
| 9      | .59329          | -68.9               | Pk  | 12.2          | .2             | 11.8                   | -44.7                 | -13    | -31.7          | 0-360          | Flat       |
| 6      | .61912          | -68.9               | Pk  | 12.2          | .2             | 11.8                   | -44.7                 | -13    | -31.7          | 0-360          | 90 degs    |

Pk - Peak detector

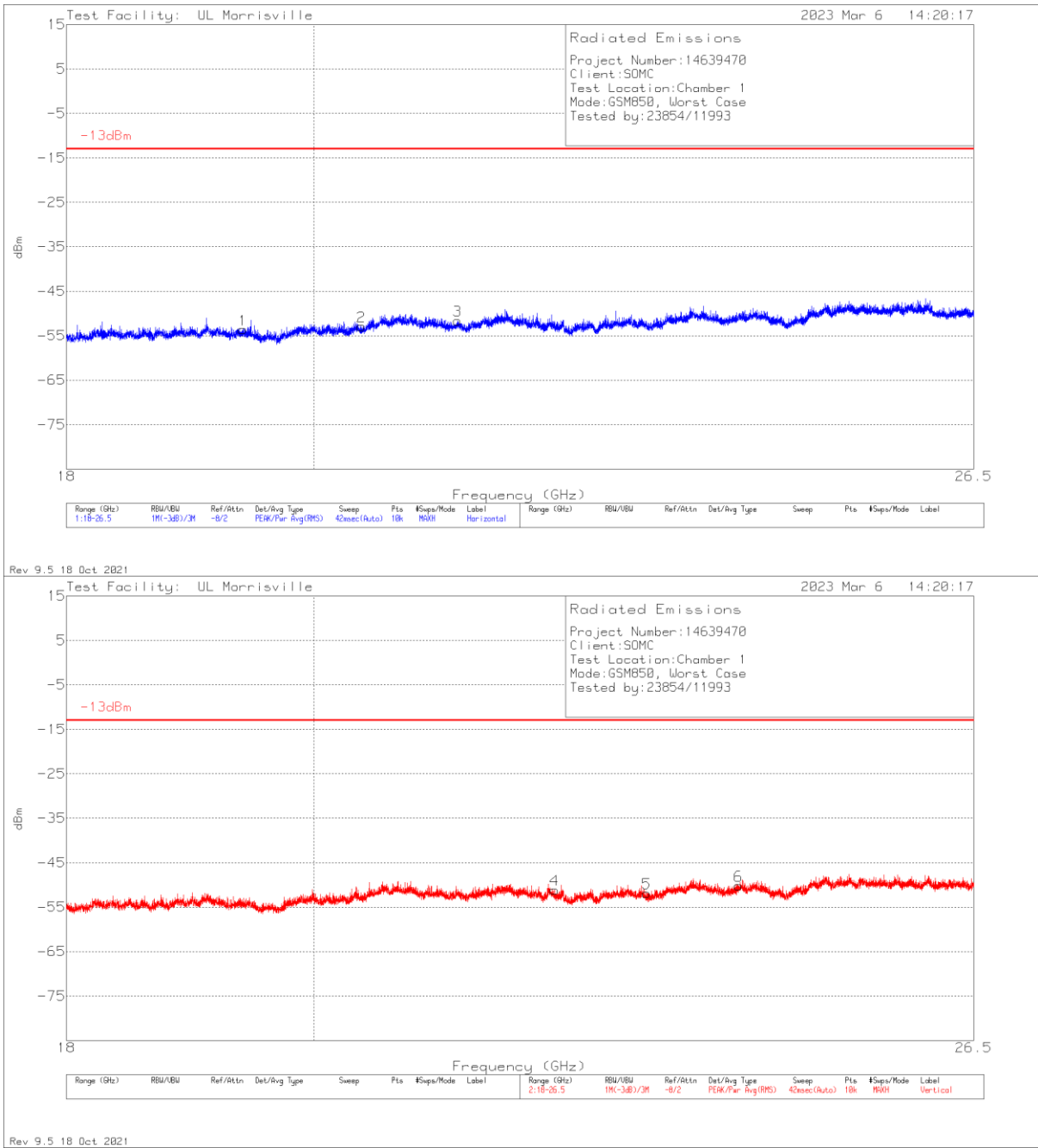
Spurious below 1GHz



| Marker | Frequency (MHz) | Meter Reading (dBm) | Det | AT0074 (dB/m) | Gain/Loss (dB) | Filter (dB) | Conversion Factor (dB) | Corrected Reading dBm | -13dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|-------------|------------------------|-----------------------|--------|-------------|----------------|-------------|----------|
| 6      | 31.552          | -64.63              | Pk  | 26.2          | -31.5          | .2          | 9.7                    | -60.03                | -13    | -47.03      | 0-360          | 101         | V        |
| 1      | 44.259          | -72.41              | Pk  | 16.8          | -31.2          | .2          | 9.7                    | -76.91                | -13    | -63.91      | 0-360          | 399         | H        |
| 7      | 47.46           | -64.4               | Pk  | 15            | -31.2          | .2          | 9.7                    | -70.7                 | -13    | -57.7       | 0-360          | 101         | V        |
| 8      | 59.585          | -66.55              | Pk  | 13.8          | -31.1          | .3          | 9.7                    | -73.85                | -13    | -60.85      | 0-360          | 101         | V        |
| 9      | 95.087          | -66.75              | Pk  | 15.2          | -30.5          | .4          | 9.7                    | -71.95                | -13    | -58.95      | 0-360          | 101         | V        |
| 2      | 95.572          | -60.9               | Pk  | 15.3          | -30.6          | .4          | 9.7                    | -66.1                 | -13    | -53.1       | 0-360          | 199         | H        |
| 3      | 163.375         | -65.63              | Pk  | 18.3          | -30            | .7          | 9.7                    | -66.93                | -13    | -53.93      | 0-360          | 101         | H        |
| 10     | 165.703         | -72.39              | Pk  | 18.2          | -29.8          | .7          | 9.7                    | -73.59                | -13    | -60.59      | 0-360          | 101         | V        |
| 4      | 180.059         | -68.38              | Pk  | 17.6          | -29.9          | .7          | 9.7                    | -70.28                | -13    | -57.28      | 0-360          | 101         | H        |
| 5      | 191.214         | -70.02              | Pk  | 17.9          | -29.5          | .7          | 9.7                    | -71.22                | -13    | -58.22      | 0-360          | 101         | H        |
| 11     | 192.863         | -72.76              | Pk  | 18.1          | -29.6          | .7          | 9.7                    | -73.86                | -13    | -60.86      | 0-360          | 101         | V        |

Pk - Peak detector

Spurious 18GHz to 26GHz



Test Facility: UL Morrisville

2023 Mar 6 14:20:17

Radiated Emissions

Project Number:14639470

Client:SOMC

Test Location:Chamber 1

Mode:GSM850, Worst Case

Tested by:23854/11993

Rev 9.5 18 Oct 2021

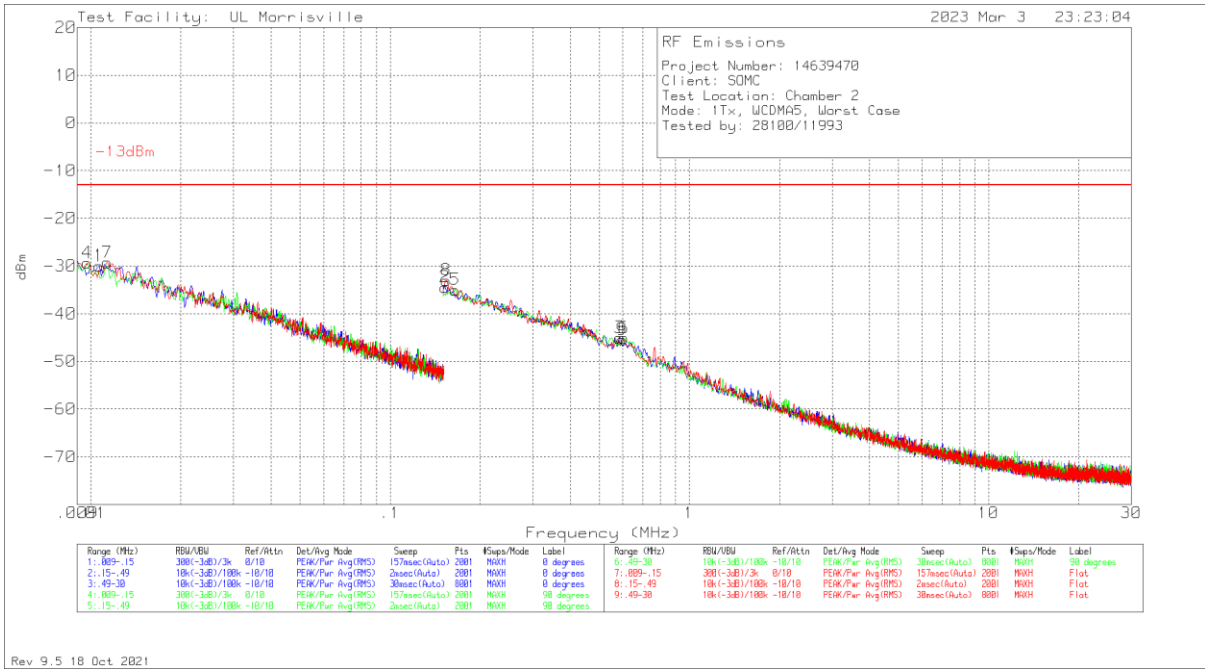
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 204704 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading dBm | -13dBm | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|------------------------|-----------------------|--------|----------------|----------------|-------------|----------|
| 1      | 19.40576        | -60.09              | Pk  | 33.5          | -38.8          | 11.8                   | -53.59                | -13    | -40.59         | 0-360          | 101         | H        |
| 2      | 20.41036        | -59.61              | Pk  | 34.2          | -39.3          | 11.8                   | -52.91                | -13    | -39.91         | 0-360          | 101         | H        |
| 3      | 21.26792        | -57.88              | Pk  | 33.9          | -39.4          | 11.8                   | -51.58                | -13    | -38.58         | 0-360          | 101         | H        |
| 4      | 22.16458        | -57.7               | Pk  | 34.5          | -39.7          | 11.8                   | -51.1                 | -13    | -38.1          | 0-360          | 250         | V        |
| 5      | 23.05189        | -58.84              | Pk  | 34.6          | -39.4          | 11.8                   | -51.84                | -13    | -38.84         | 0-360          | 300         | V        |
| 6      | 23.97405        | -58.37              | Pk  | 35.1          | -38.7          | 11.8                   | -50.17                | -13    | -37.17         | 0-360          | 199         | V        |

Pk - Peak detector

11.2.2. Worst-Case Emissions for 3G

|                   |                            |            |                          |              |                          |
|-------------------|----------------------------|------------|--------------------------|--------------|--------------------------|
| Test Engineer ID: | 28100/11993<br>23854/11993 | Test Date: | 2023-03-03<br>2023-03-06 | Sample Used: | QV7700HTFR<br>QV77003JFR |
|-------------------|----------------------------|------------|--------------------------|--------------|--------------------------|

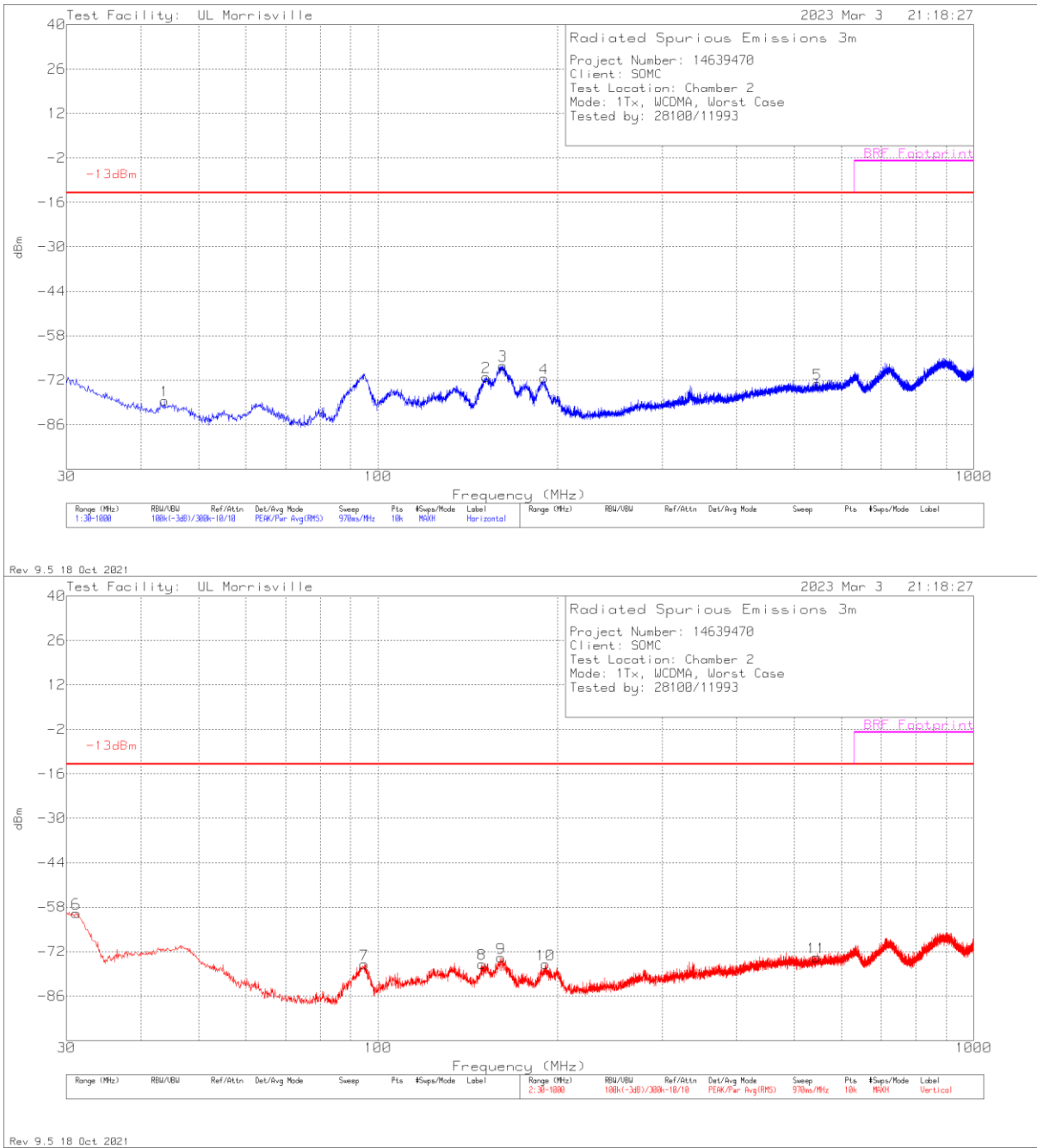
Spurious below 30MHz



| Marker | Frequency (MHz) | Meter Reading (dBm) | Det | 135144 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading dBm | -13dBm | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Loop Angle |
|--------|-----------------|---------------------|-----|---------------|----------------|------------------------|-----------------------|--------|----------------|----------------|-------------|------------|
| 4      | .00971          | -60.74              | Pk  | 19.5          | .1             | 11.8                   | -29.34                | -13    | -16.34         | 0-360          | 401         | 90 degs    |
| 1      | .01063          | -60.86              | Pk  | 19            | .1             | 11.8                   | -29.96                | -13    | -16.96         | 0-360          | 401         | 0 degs     |
| 7      | .01134          | -59.86              | Pk  | 18.7          | .1             | 11.8                   | -29.26                | -13    | -16.26         | 0-360          | 401         | Flat       |
| 2      | .15238          | -58.53              | Pk  | 12.2          | .1             | 11.8                   | -34.43                | -13    | -21.43         | 0-360          | 401         | 0 degs     |
| 8      | .15383          | -57.08              | Pk  | 12.2          | .1             | 11.8                   | -32.98                | -13    | -19.98         | 0-360          | 401         | Flat       |
| 5      | .16479          | -59.05              | Pk  | 12.2          | .1             | 11.8                   | -34.95                | -13    | -21.95         | 0-360          | 401         | 90 degs    |
| 3      | .58591          | -69.23              | Pk  | 12.2          | .2             | 11.8                   | -45.03                | -13    | -32.03         | 0-360          | 401         | 0 degs     |
| 9      | .59698          | -69.62              | Pk  | 12.2          | .2             | 11.8                   | -45.42                | -13    | -32.42         | 0-360          | 401         | Flat       |
| 6      | .60436          | -69.3               | Pk  | 12.2          | .2             | 11.8                   | -45.1                 | -13    | -32.1          | 0-360          | 401         | 90 degs    |

Pk - Peak detector

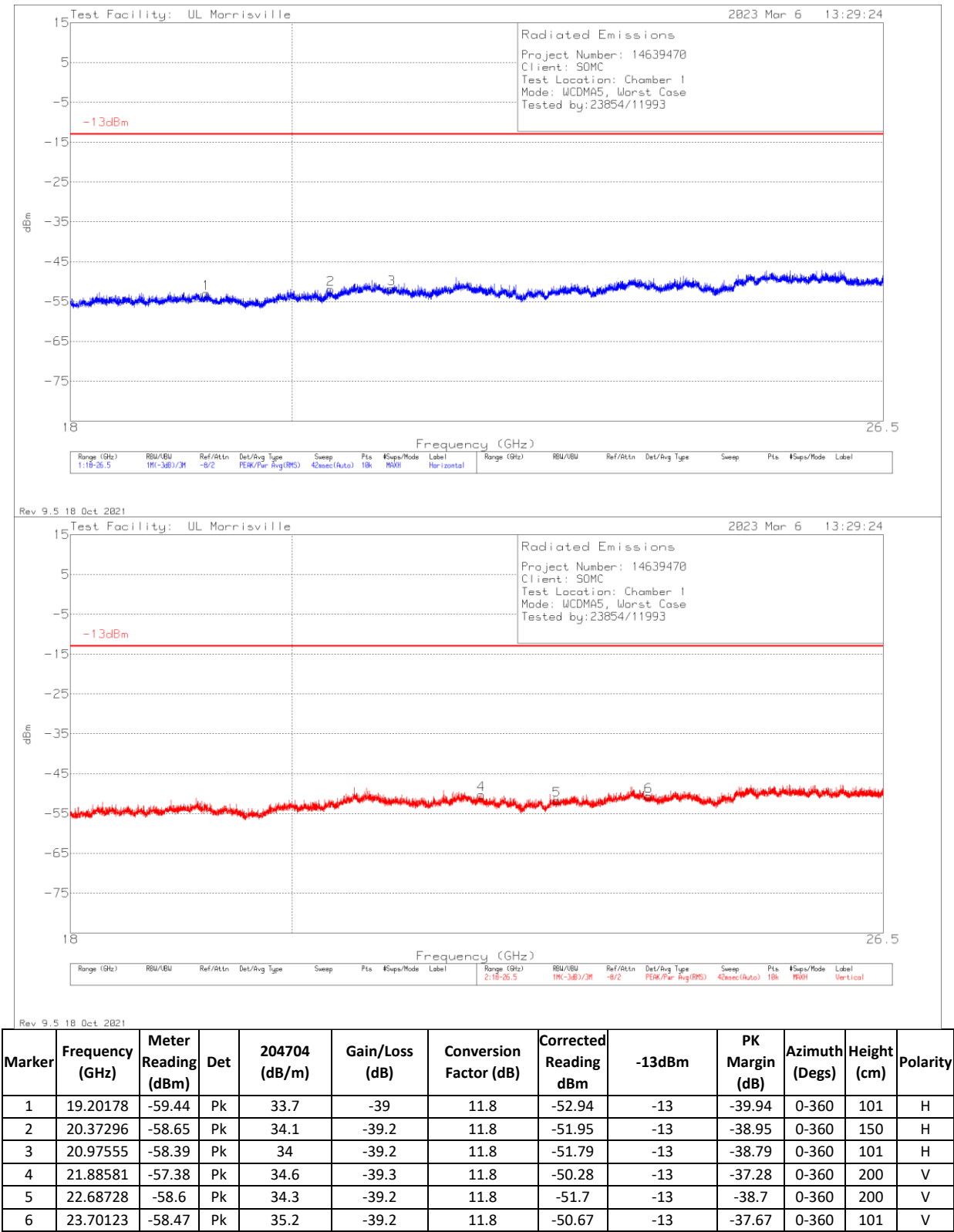
Spurious below 1GHz



| Marker | Frequency (MHz) | Meter Reading (dBm) | Det | AT0074 (dB/m) | Gain/Loss (dB) | Filter (dB) | Conversion Factor (dB) | Corrected Reading dBm | -13dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|-------------|------------------------|-----------------------|--------|-------------|----------------|-------------|----------|
| 6      | 31.164          | -65.02              | Pk  | 26.5          | -31.3          | .2          | 9.7                    | -59.92                | -13    | -46.92      | 0-360          | 101         | V        |
| 1      | 43.871          | -74.06              | Pk  | 17.1          | -31.4          | .2          | 9.7                    | -78.46                | -13    | -65.46      | 0-360          | 399         | H        |
| 7      | 94.893          | -70.74              | Pk  | 15.1          | -30.5          | .4          | 9.7                    | -76.04                | -13    | -63.04      | 0-360          | 101         | V        |
| 8      | 149.504         | -74.89              | Pk  | 18.6          | -29.9          | .6          | 9.7                    | -75.89                | -13    | -62.89      | 0-360          | 101         | V        |
| 2      | 151.929         | -69.79              | Pk  | 18.5          | -30            | .6          | 9.7                    | -70.99                | -13    | -57.99      | 0-360          | 100         | H        |
| 9      | 160.95          | -72.64              | Pk  | 18.4          | -30            | .6          | 9.7                    | -73.94                | -13    | -60.94      | 0-360          | 101         | V        |
| 3      | 162.114         | -66.29              | Pk  | 18.4          | -29.8          | .6          | 9.7                    | -67.39                | -13    | -54.39      | 0-360          | 100         | H        |
| 4      | 190.147         | -70.07              | Pk  | 17.8          | -29.5          | .7          | 9.7                    | -71.37                | -13    | -58.37      | 0-360          | 100         | H        |
| 10     | 191.214         | -74.82              | Pk  | 17.9          | -29.5          | .7          | 9.7                    | -76.02                | -13    | -63.02      | 0-360          | 101         | V        |
| 11     | 544.391         | -81.02              | Pk  | 24            | -27.6          | 1.1         | 9.7                    | -73.82                | -13    | -60.82      | 0-360          | 101         | V        |
| 5      | 546.331         | -80.2               | Pk  | 24            | -27.7          | 1.1         | 9.7                    | -73.1                 | -13    | -60.1       | 0-360          | 199         | H        |

Pk - Peak detector

Spurious 18GHz to 26GHz

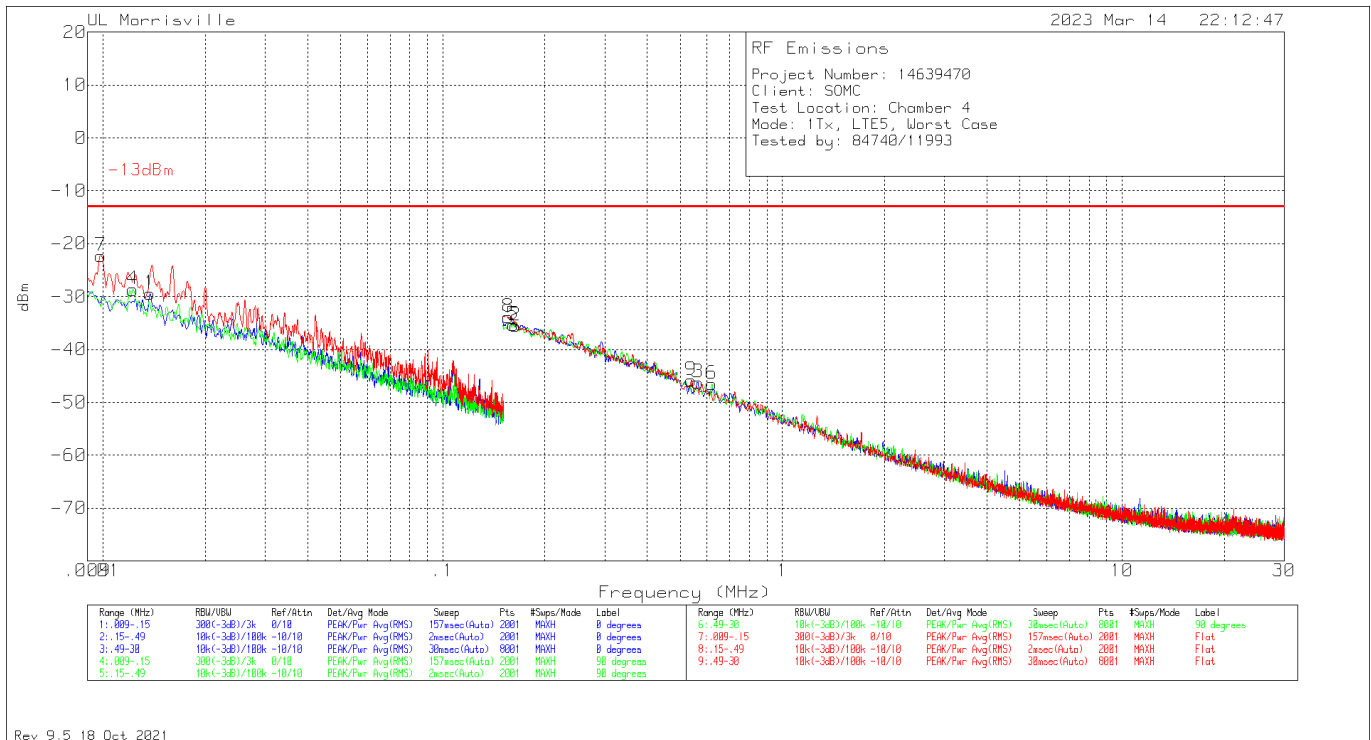


Pk - Peak detector

### 11.2.3. Worst-Case Emissions for 4G

|                          |             |                   |            |                     |            |
|--------------------------|-------------|-------------------|------------|---------------------|------------|
| <b>Test Engineer ID:</b> | 84740/11993 | <b>Test Date:</b> | 2023-03-14 | <b>Sample Used:</b> | QV7700HTFR |
|--------------------------|-------------|-------------------|------------|---------------------|------------|

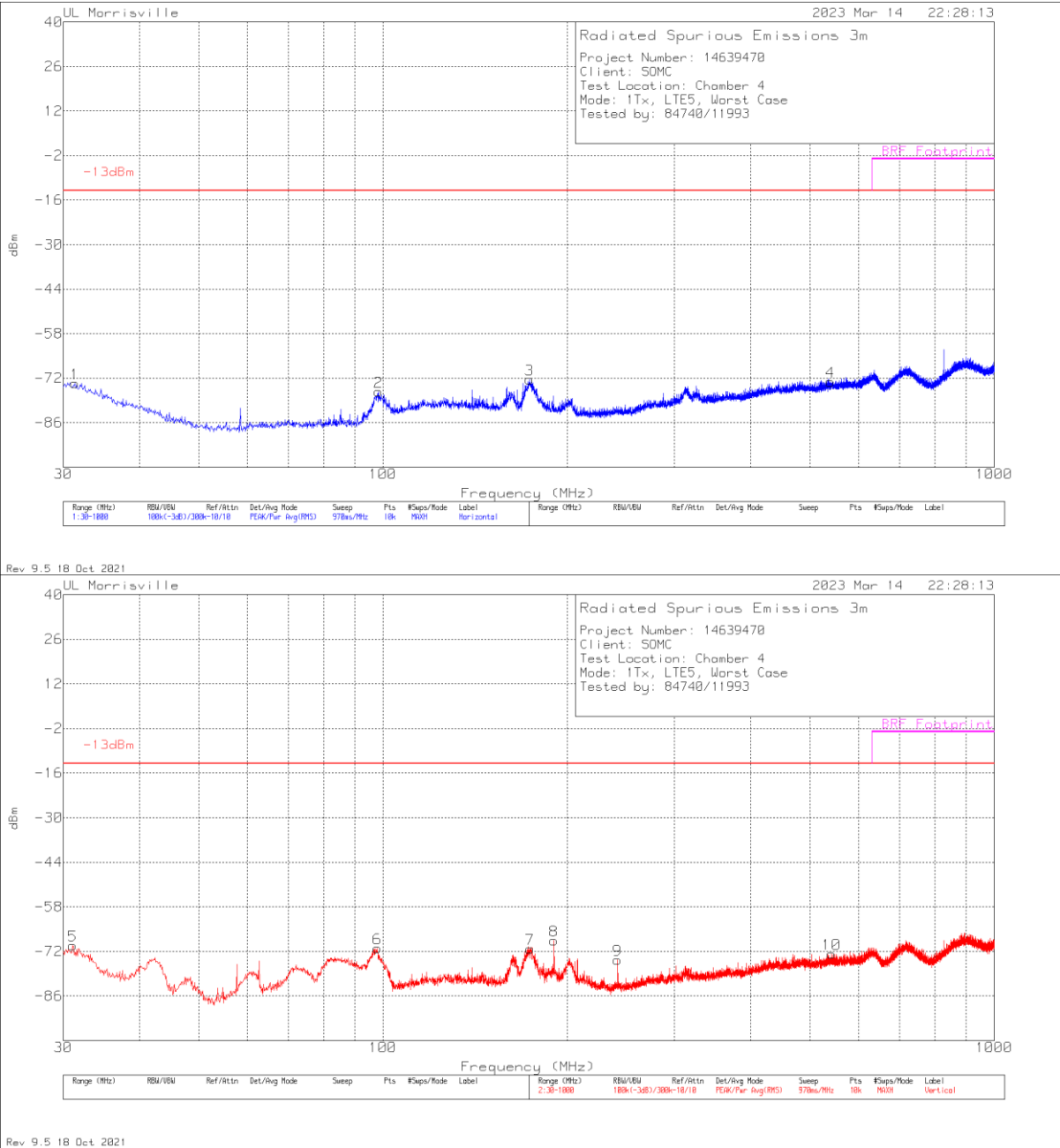
## Spurious below 30MHz



| Marker | Frequency (MHz) | Meter Reading (dBm) | Det | 135144 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading dBm | -13dBm | PK Margin (dB) | Azimuth (Degs) | Loop Angle |
|--------|-----------------|---------------------|-----|---------------|----------------|------------------------|-----------------------|--------|----------------|----------------|------------|
| 1      | .01376          | -58.82              | Pk  | 17.6          | 0              | 11.8                   | -29.42                | -13    | -16.42         | 0-360          | 0 degs     |
| 2      | .16377          | -59.59              | Pk  | 12.2          | .1             | 11.8                   | -35.49                | -13    | -22.49         | 0-360          | 0 degs     |
| 3      | .56378          | -70.37              | Pk  | 12.2          | .1             | 11.8                   | -46.27                | -13    | -33.27         | 0-360          | 0 degs     |
| 4      | .01227          | -58.8               | Pk  | 18.3          | 0              | 11.8                   | -28.7                 | -13    | -15.7          | 0-360          | 90 degs    |
| 5      | .16114          | -59.5               | Pk  | 12.2          | .1             | 11.8                   | -35.4                 | -13    | -22.4          | 0-360          | 90 degs    |
| 6      | .61912          | -70.61              | Pk  | 12.2          | .1             | 11.8                   | -46.51                | -13    | -33.51         | 0-360          | 90 degs    |
| 7      | .00985          | -53.51              | Pk  | 19.4          | 0              | 11.8                   | -22.31                | -13    | -9.31          | 0-360          | Flat       |
| 8      | .1557           | -57.97              | Pk  | 12.2          | .1             | 11.8                   | -33.87                | -13    | -20.87         | 0-360          | Flat       |
| 9      | .53796          | -69.97              | Pk  | 12.2          | .1             | 11.8                   | -45.87                | -13    | -32.87         | 0-360          | Flat       |

Pk - Peak detector

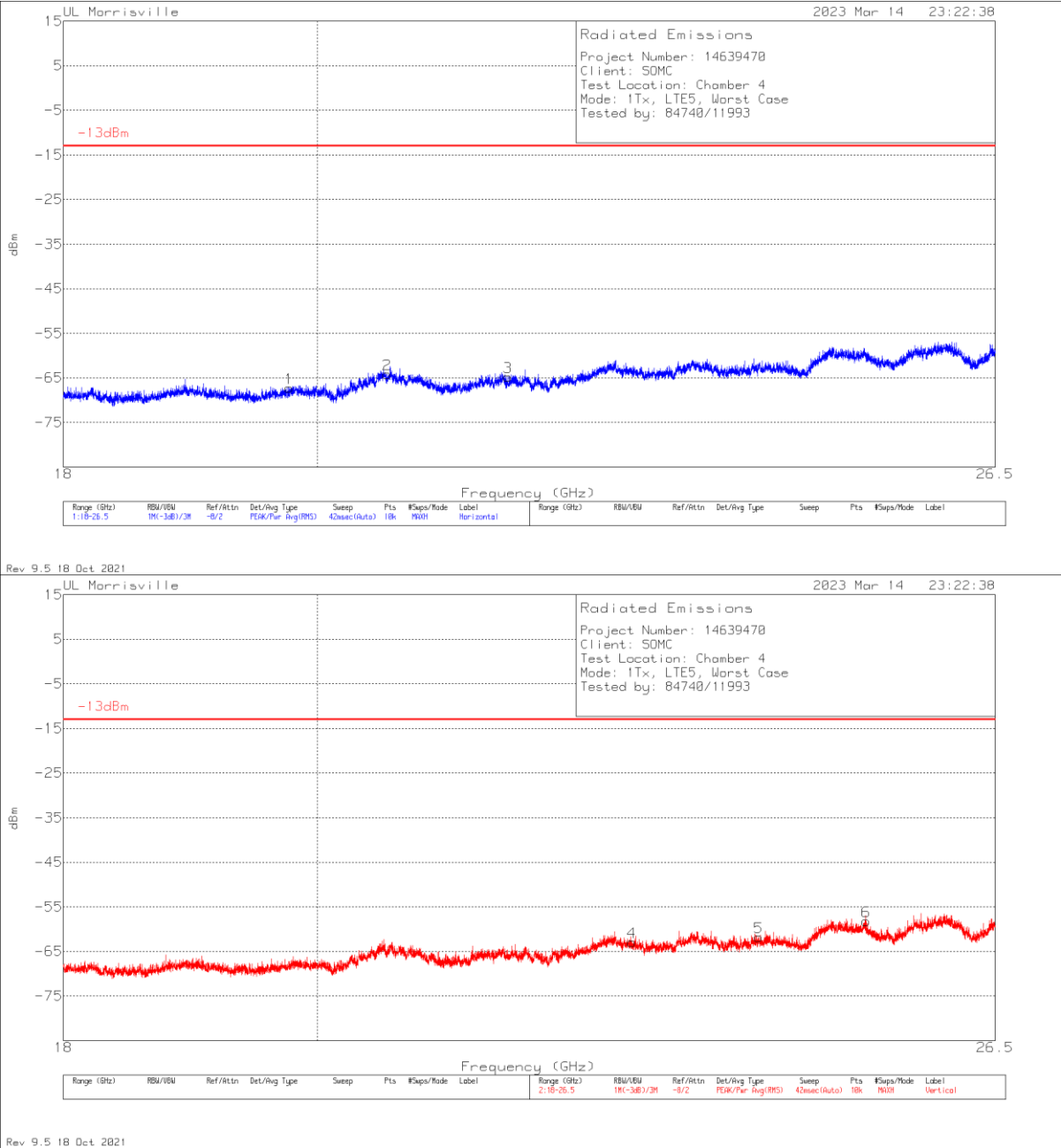
Spurious below 1GHz



| Marker | Frequency (MHz) | Meter Reading (dBm) | Det | 90629 (dB/m) | Gain/Loss (dB) | Filter (dB) | Conversion Factor (dB) | Corrected Reading dBm | - 13dBm | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|--------------|----------------|-------------|------------------------|-----------------------|---------|-------------|----------------|-------------|----------|
| 5      | 31.067          | -74.7               | Pk  | 26.4         | -31.8          | .2          | 9.7                    | -70.2                 | -13     | -57.2       | 0-360          | 100         | V        |
| 1      | 31.358          | -77.85              | Pk  | 26.1         | -31.8          | .2          | 9.7                    | -73.65                | -13     | -60.65      | 0-360          | 200         | H        |
| 6      | 97.997          | -67.52              | Pk  | 17.1         | -30.7          | .4          | 9.7                    | -71.02                | -13     | -58.02      | 0-360          | 100         | V        |
| 2      | 98.385          | -72.73              | Pk  | 17.1         | -30.7          | .4          | 9.7                    | -76.23                | -13     | -63.23      | 0-360          | 200         | H        |
| 3      | 173.851         | -70.45              | Pk  | 17.7         | -30            | .7          | 9.7                    | -72.35                | -13     | -59.35      | 0-360          | 100         | H        |
| 7      | 174.142         | -69.16              | Pk  | 17.7         | -30.1          | .7          | 9.7                    | -71.16                | -13     | -58.16      | 0-360          | 100         | V        |
| 8      | 190.535         | -66.51              | Pk  | 17.5         | -30            | .7          | 9.7                    | -68.61                | -13     | -55.61      | 0-360          | 100         | V        |
| 9      | 242.139         | -73.12              | Pk  | 17.7         | -29.6          | .7          | 9.7                    | -74.62                | -13     | -61.62      | 0-360          | 100         | V        |
| 4      | 539.347         | -80.29              | Pk  | 24.2         | -27.9          | 1.1         | 9.7                    | -73.19                | -13     | -60.19      | 0-360          | 100         | H        |
| 10     | 541.772         | -80.09              | Pk  | 24.3         | -27.8          | 1.1         | 9.7                    | -72.79                | -13     | -59.79      | 0-360          | 100         | V        |

Pk - Peak detector

Spurious 18GHz to 26GHz



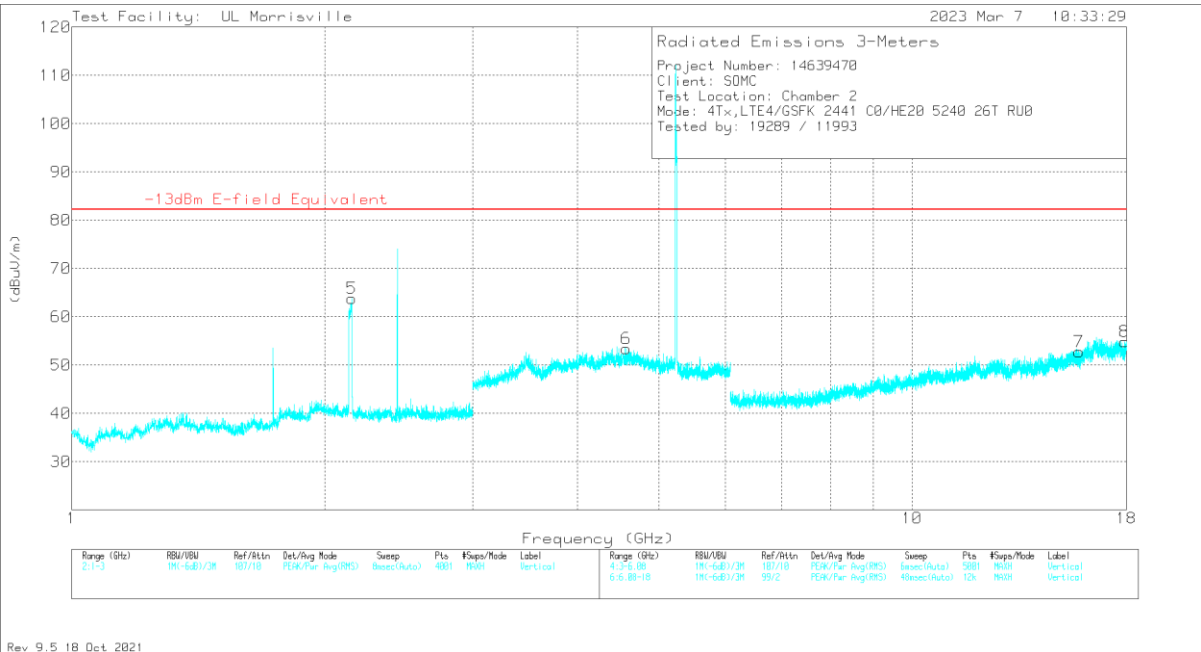
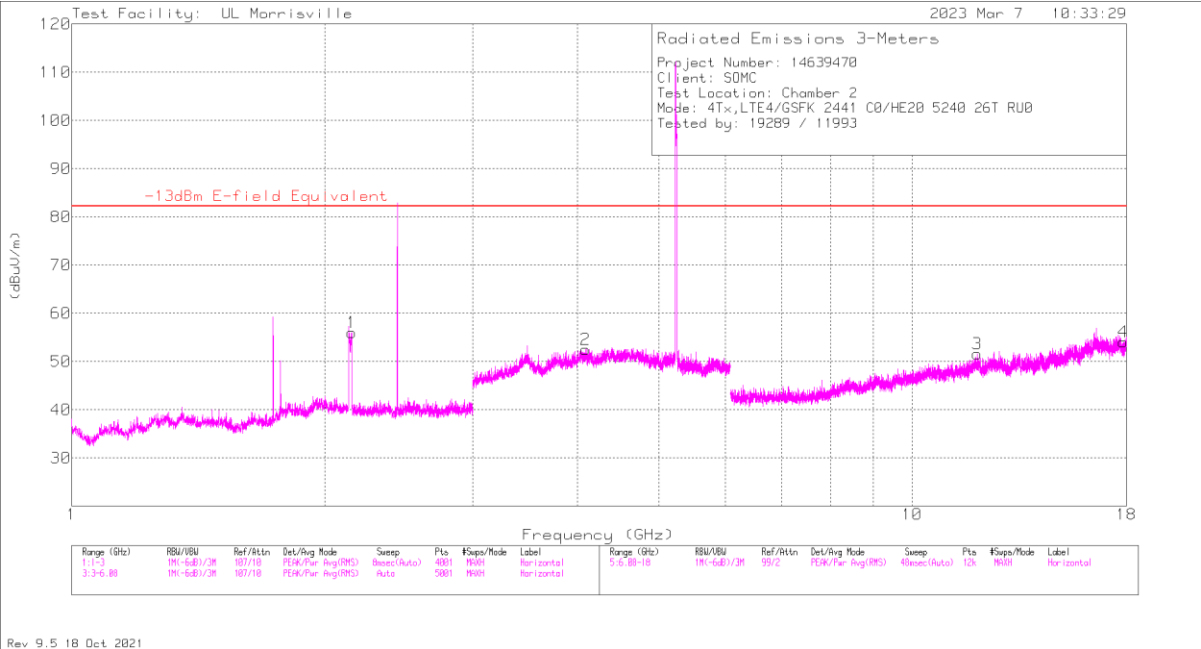
| Marker | Frequency (GHz) | Meter Reading (dBm) | Det | 204704 (dB/m) | Gain/Loss (dB) | Conversion Factor (dB) | Corrected Reading dBm | -13dBm | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|---------------|----------------|------------------------|-----------------------|--------|----------------|----------------|-------------|----------|
| 1      | 19.76952        | -73.23              | Pk  | 33.4          | -39.2          | 11.8                   | -67.23                | -13    | -54.23         | 0-360          | 300         | H        |
| 2      | 20.58799        | -70.05              | Pk  | 34.1          | -40            | 11.8                   | -64.15                | -13    | -51.15         | 0-360          | 200         | H        |
| 3      | 21.64699        | -71.66              | Pk  | 34.2          | -39.1          | 11.8                   | -64.76                | -13    | -51.76         | 0-360          | 300         | H        |
| 4      | 22.79267        | -71.26              | Pk  | 34.4          | -37.9          | 11.8                   | -62.96                | -13    | -49.96         | 0-360          | 250         | V        |
| 5      | 24.02165        | -71.83              | Pk  | 35.1          | -36.9          | 11.8                   | -61.83                | -13    | -48.83         | 0-360          | 100         | V        |
| 6      | 25.11549        | -68.67              | Pk  | 35.8          | -37.2          | 11.8                   | -58.27                | -13    | -45.27         | 0-360          | 100         | V        |

Pk - Peak detector

11.1. Simultaneous Transmission

|                   |                      |            |            |              |            |
|-------------------|----------------------|------------|------------|--------------|------------|
| Test Engineer ID: | 19289/11993<br>11993 | Test Date: | 2023-03-07 | Sample Used: | QV77003JFR |
|-------------------|----------------------|------------|------------|--------------|------------|

11.1.1. Scan 1



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | -13dBm E-field Equivalent (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------|----------------------------|------------------------------------|-------------|----------------|-------------|----------|
| 1      | ** 2.153 (DL)   | 46.74                | Pk  | 31.4          | -23.2          | 1.1         | 56.04                      | -                                  | -           | 0-360          | 101         | H        |
| 5      | ** 2.1535 (DL)  | 54.55                | Pk  | 31.4          | -23.2          | 1.1         | 63.85                      | -                                  | -           | 0-360          | 200         | V        |
| 3      | * ** 11.9655    | 36.76                | Pk  | 38.7          | -23.9          | 0           | 51.56                      | 82.2                               | -30.64      | 0-360          | 101         | H        |
| 7      | * ** 15.8097    | 34.54                | Pk  | 40.4          | -22.2          | 0           | 52.74                      | 82.2                               | -29.46      | 0-360          | 101         | V        |
| 4      | * ** 17.84007   | 34.92                | Pk  | 41.2          | -22            | 0           | 54.12                      | 82.2                               | -28.08      | 0-360          | 199         | H        |
| 8      | * ** 17.91755   | 35.48                | Pk  | 41.3          | -21.9          | 0           | 54.88                      | 82.2                               | -27.32      | 0-360          | 101         | V        |
| 2      | * ** 4.09032    | 39.73                | Pk  | 33.4          | -20.6          | 0           | 52.53                      | 82.2                               | -29.67      | 0-360          | 200         | H        |
| 6      | * ** 4.57388    | 40.37                | Pk  | 34            | -20.9          | 0           | 53.47                      | 82.2                               | -28.73      | 0-360          | 101         | V        |

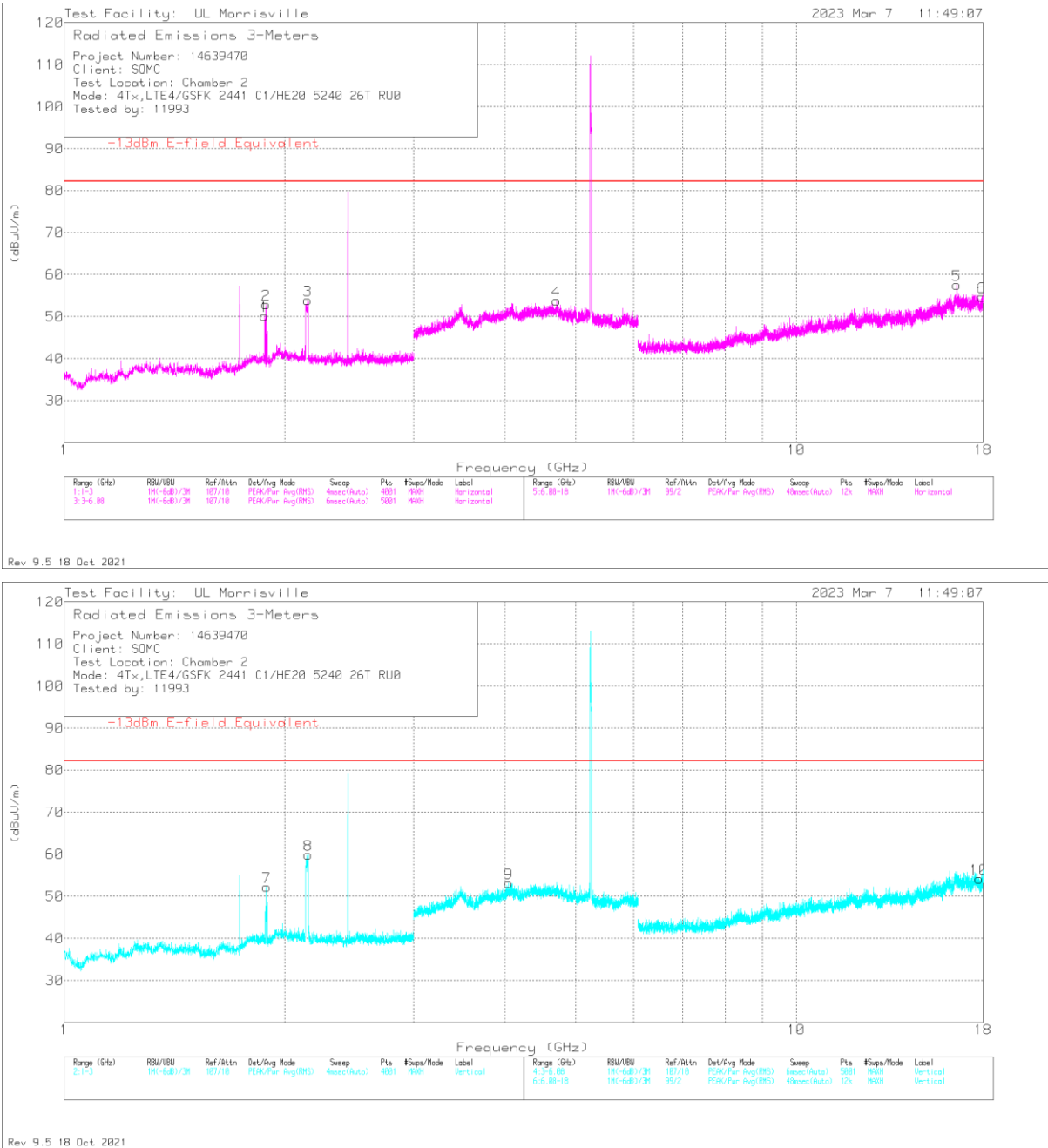
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

DL – Downlink from Callbox

11.1.2. Scan 2



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | -13dBm E-field Equivalent (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------|----------------------------|------------------------------------|-------------|----------------|-------------|----------|
| 1      | ** 1.879        | 39.98                | Pk  | 31.4          | -22.4          | 1.2         | 50.18                      | 82.2                               | -32.02      | 0-360          | 200         | H        |
| 2      | ** 1.886        | 42.97                | Pk  | 31.4          | -22.7          | 1.2         | 52.87                      | 82.2                               | -29.33      | 0-360          | 101         | H        |
| 3      | ** 2.1495 (DL)  | 44.62                | Pk  | 31.5          | -23.3          | 1.1         | 53.92                      | 82.2                               | -28.28      | 0-360          | 101         | H        |
| 7      | ** 1.8895       | 42.24                | Pk  | 31.4          | -22.6          | 1.2         | 52.24                      | 82.2                               | -29.96      | 0-360          | 200         | V        |
| 8      | ** 2.15325 (DL) | 50.6                 | Pk  | 31.4          | -23.2          | 1.1         | 59.9                       | 82.2                               | -22.3       | 0-360          | 101         | V        |
| 10     | * ** 17.79438   | 35.45                | Pk  | 41.2          | -22.4          | 0           | 54.25                      | 82.2                               | -27.95      | 0-360          | 200         | V        |
| 6      | * ** 17.93245   | 35.36                | Pk  | 41.3          | -21.9          | 0           | 54.76                      | 82.2                               | -27.44      | 0-360          | 200         | H        |
| 9      | * ** 4.04966    | 40.51                | Pk  | 33.5          | -20.8          | 0           | 53.21                      | 82.2                               | -28.99      | 0-360          | 199         | V        |
| 4      | * ** 4.70447    | 40.57                | Pk  | 34            | -20.7          | 0           | 53.87                      | 82.2                               | -28.33      | 0-360          | 101         | H        |
| 5      | 16.58549        | 37.52                | Pk  | 41.6          | -21.5          | 0           | 57.62                      | -                                  | -           | 0-360          | 200         | H        |

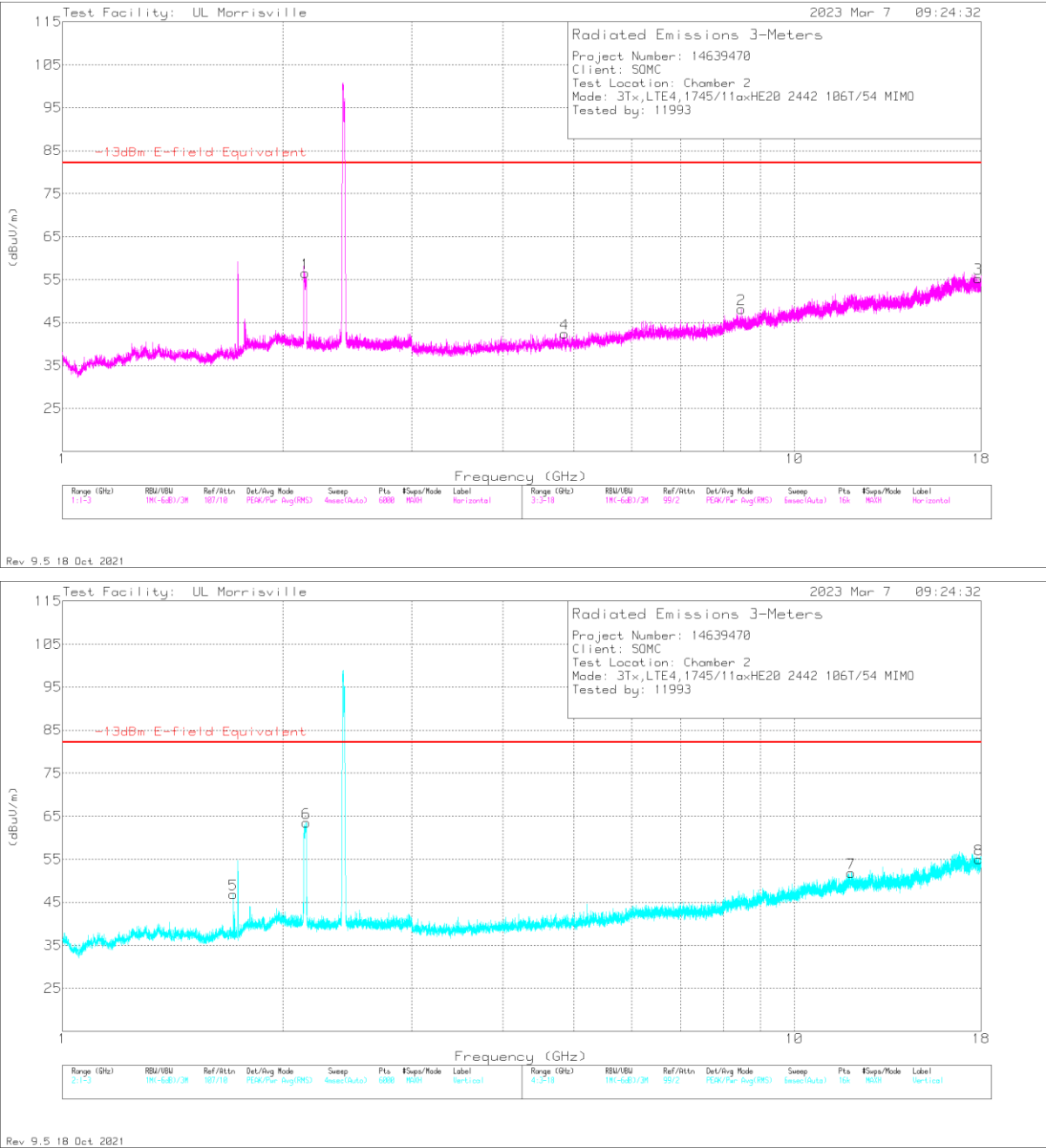
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

DL - Downlink

11.1.3. Scan 3



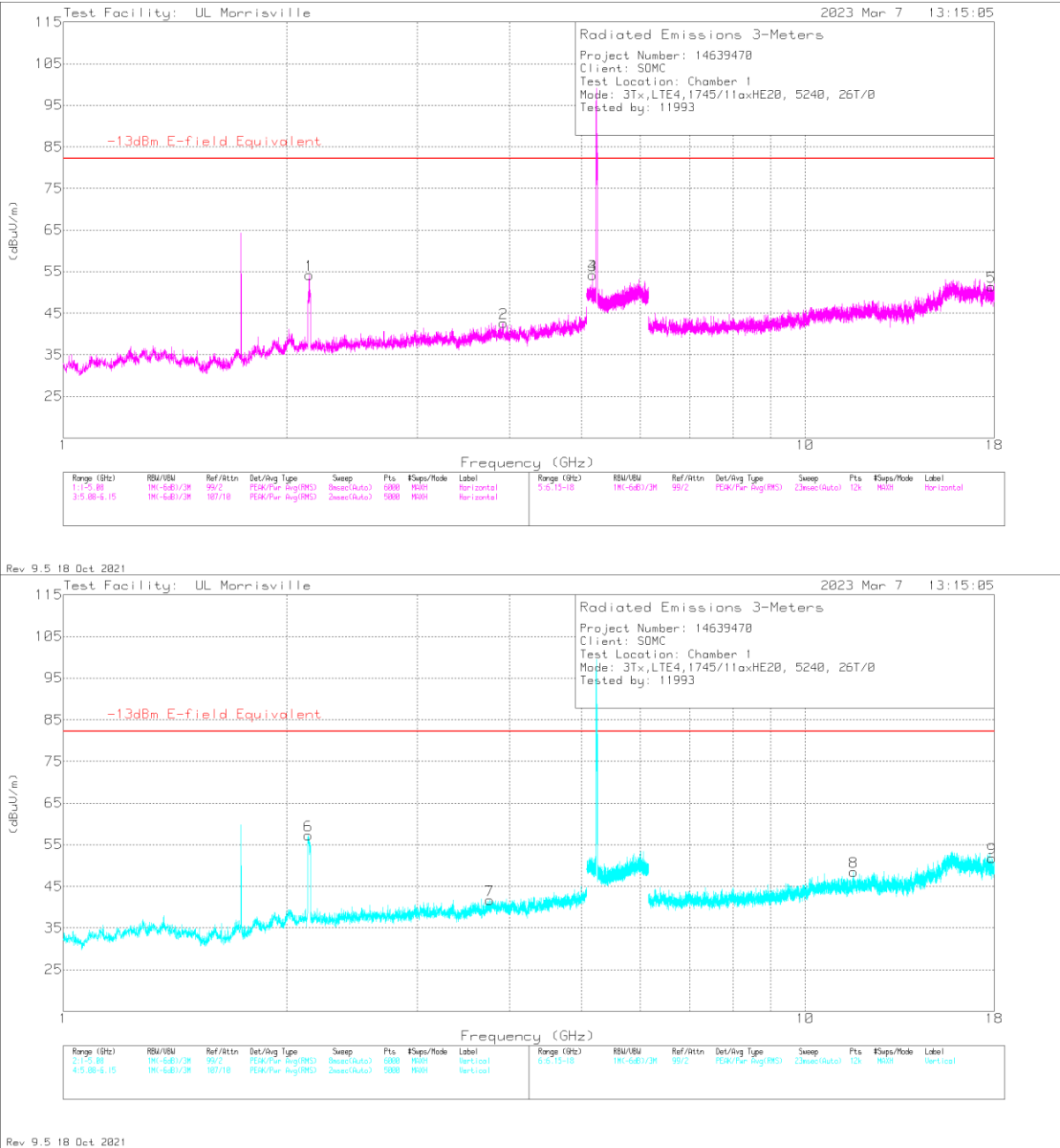
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | -13dBm E-field Equivalent (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------|----------------------------|------------------------------------|----------------|----------------|-------------|----------|
| 1      | ** 2.14819 (DL) | 47.16                | Pk  | 31.5          | -23.3          | 1.1         | 56.46                      | -                                  | -              | 0-360          | 101         | H        |
| 5      | ** 1.71145      | 38.83                | Pk  | 29.2          | -22.4          | 1.2         | 46.83                      | 82.2                               | -35.37         | 0-360          | 199         | V        |
| 6      | ** 2.15286 (DL) | 54.21                | Pk  | 31.4          | -23.2          | 1.1         | 63.51                      | -                                  | -              | 0-360          | 101         | V        |
| 7      | * ** 11.95406   | 36.82                | Pk  | 38.7          | -23.7          | 0           | 51.82                      | 82.2                               | -30.38         | 0-360          | 200         | V        |
| 3      | * ** 17.83031   | 34.41                | Pk  | 41.2          | -20.3          | 0           | 55.31                      | 82.2                               | -26.89         | 0-360          | 200         | H        |
| 8      | * ** 17.88188   | 34.81                | Pk  | 41.2          | -21            | 0           | 55.01                      | 82.2                               | -27.19         | 0-360          | 200         | V        |
| 4      | * ** 4.85813    | 38.88                | Pk  | 34.1          | -30.6          | 0           | 42.38                      | 82.2                               | -39.82         | 0-360          | 200         | H        |
| 2      | * ** 8.46844    | 38.85                | Pk  | 35.8          | -26.5          | 0           | 48.15                      | 82.2                               | -34.05         | 0-360          | 101         | H        |

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

Pk - Peak detector

DL- Downlink

11.1.4. Scan 4



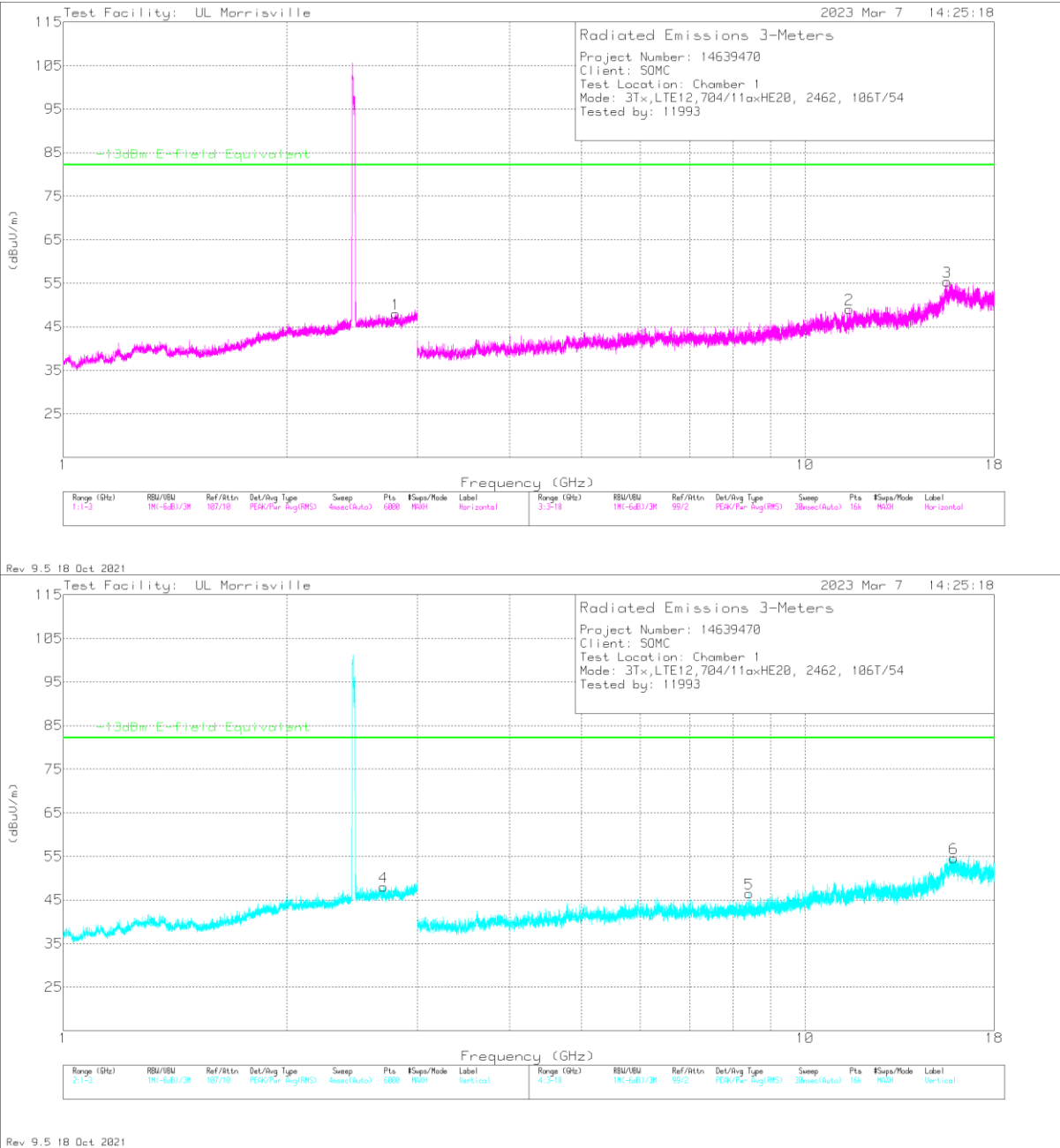
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | -13dBm E-field Equivalent (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------|----------------------------|------------------------------------|-------------|----------------|-------------|----------|
| 1      | ** 2.14531 (DL) | 56.52                | Pk  | 31.4          | -34.9          | 1.2         | 54.22                      | -                                  | -           | 0-360          | 200         | H        |
| 2      | *** 3.92041     | 41.36                | Pk  | 33.4          | -32.6          | .5          | 42.66                      | 82.2                               | -39.54      | 0-360          | 101         | H        |
| 6      | ** 2.13919 (DL) | 59.56                | Pk  | 31.4          | -34.9          | 1.2         | 57.26                      | -                                  | -           | 0-360          | 200         | V        |
| 7      | *** 3.75718     | 40.62                | Pk  | 33.4          | -33            | .7          | 41.72                      | 82.2                               | -40.48      | 0-360          | 200         | V        |
| 8      | *** 11.62668    | 35.68                | Pk  | 38.3          | -25.5          | 0           | 48.48                      | 82.2                               | -33.72      | 0-360          | 101         | V        |
| 5      | *** 17.85286    | 34.68                | Pk  | 41.2          | -24.5          | 0           | 51.38                      | 82.2                               | -30.82      | 0-360          | 200         | H        |
| 9      | *** 17.86175    | 35.92                | Pk  | 41.2          | -25.3          | 0           | 51.82                      | 82.2                               | -30.38      | 0-360          | 101         | V        |
| 3      | ** 5.17065      | 42.02                | Pk  | 34.3          | -22.1          | 0           | 54.22                      | 82.2                               | -27.98      | 0-360          | 300         | H        |
| 4      | ** 5.17065      | 42.02                | Pk  | 34.3          | -22.1          | 0           | 54.22                      | 82.2                               | -27.98      | 0-360          | 300         | H        |

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

Pk - Peak detector

DL - Downlink

11.1.5. Scan 5



Test Facility: UL Morrisville

2023 Mar 7 14:25:18

Radiated Emissions 3-Meters

Project Number: 14639470

Client: SOMC

Test Location: Chamber 1

Mode: 3Tx,LTE12,704/11axHE20, 2462, 106T/54

Tested by: 11993

Rev 9.5 18 Oct 2021

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (dB) | Filter (dB) | Corrected Reading (dBuV/m) | -13dBm E-field Equivalent (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------|----------------------------|------------------------------------|----------------|----------------|-------------|----------|
| 1      | * ** 2.80697    | 37.87                | Pk  | 32.6          | -23.1          | .7          | 48.07                      | 82.2                               | -34.13         | 0-360          | 101         | H        |
| 4      | * ** 2.70262    | 38.47                | Pk  | 32.5          | -23.6          | .6          | 47.97                      | 82.2                               | -34.23         | 0-360          | 200         | V        |
| 2      | * ** 11.48344   | 36.69                | Pk  | 38.1          | -26.3          | .6          | 49.09                      | 82.2                               | -33.11         | 0-360          | 200         | H        |
| 3      | * ** 15.54469   | 35.46                | Pk  | 40.1          | -21.2          | 1           | 55.36                      | 82.2                               | -26.84         | 0-360          | 101         | H        |
| 5      | * ** 8.40375    | 39.31                | Pk  | 35.8          | -29.1          | .5          | 46.51                      | 82.2                               | -35.69         | 0-360          | 101         | V        |
| 6      | * ** 15.86906   | 36.27                | Pk  | 40.6          | -23.4          | 1.1         | 54.57                      | 82.2                               | -27.63         | 0-360          | 101         | V        |

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

\*\* - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

## **12. SETUP PHOTOS**

Please see R14639470-EP5 for Setup Photos and Setup Diagrams.

**END OF REPORT**