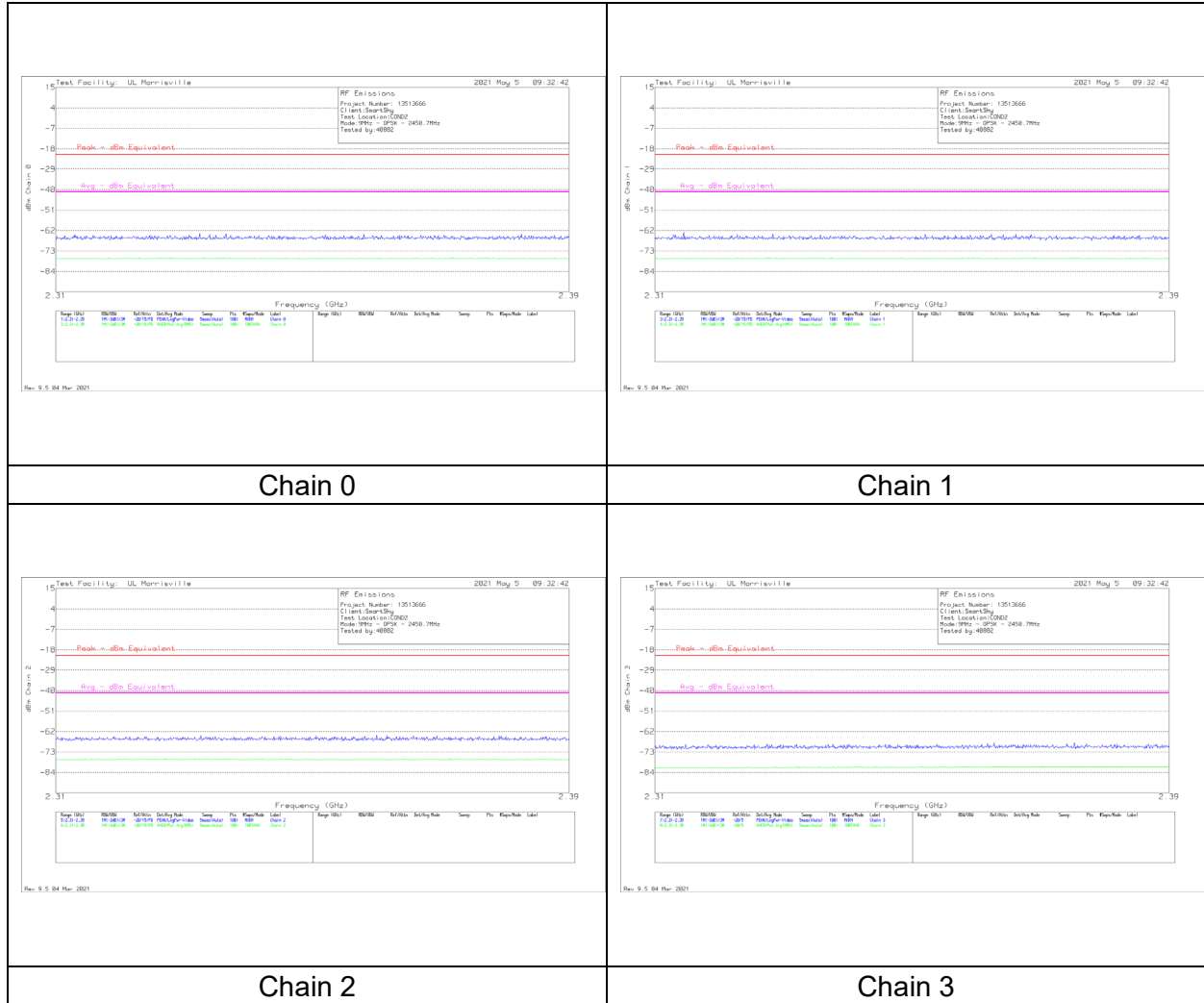
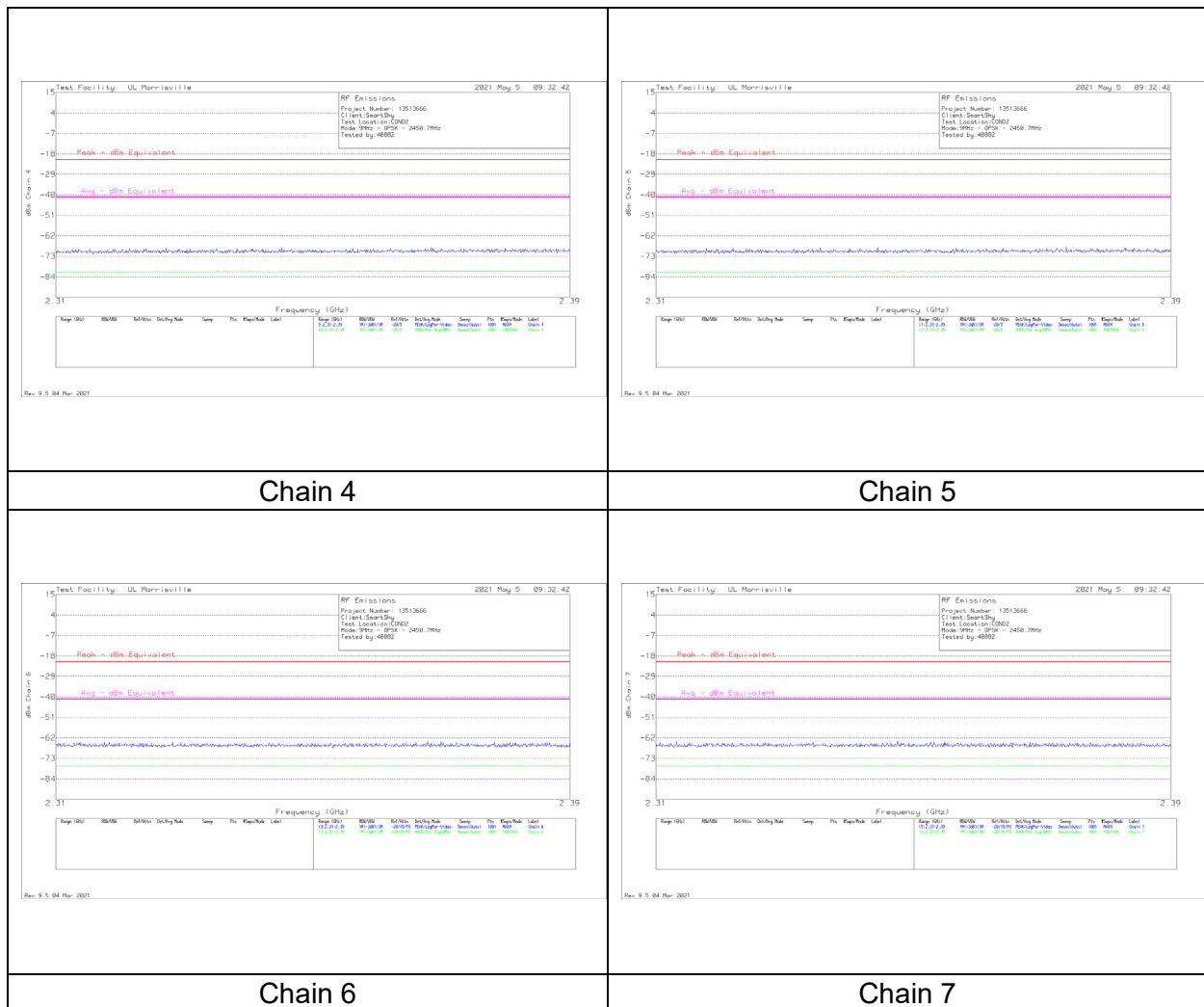


## 11.7. FRB, 9MHz BW, QPSK MODE, TX ABOVE 1 GHz IN THE 2.4 GHz BAND

### 11.7.1. LOW CHANNEL RESTRICTED BAND EDGE



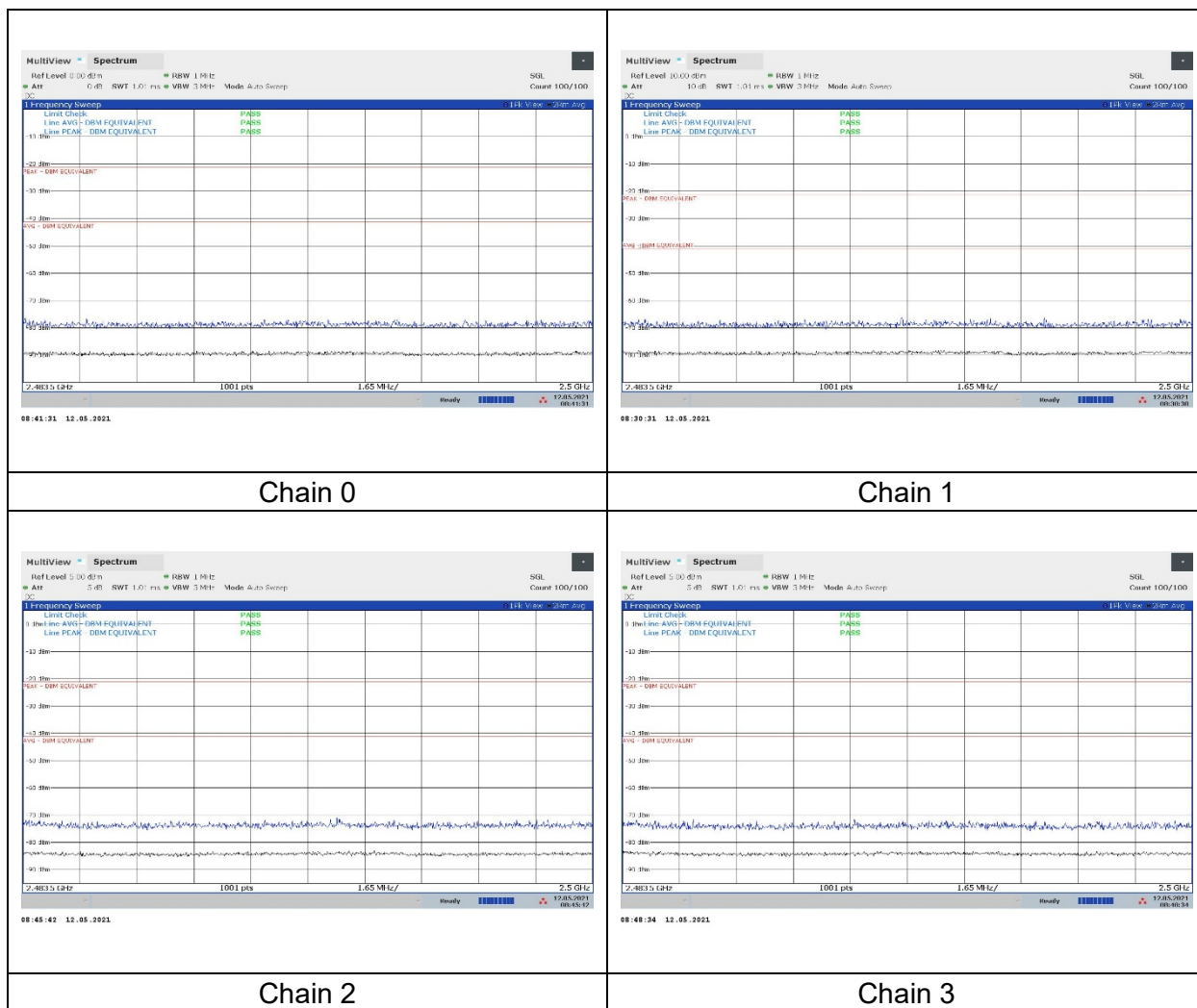


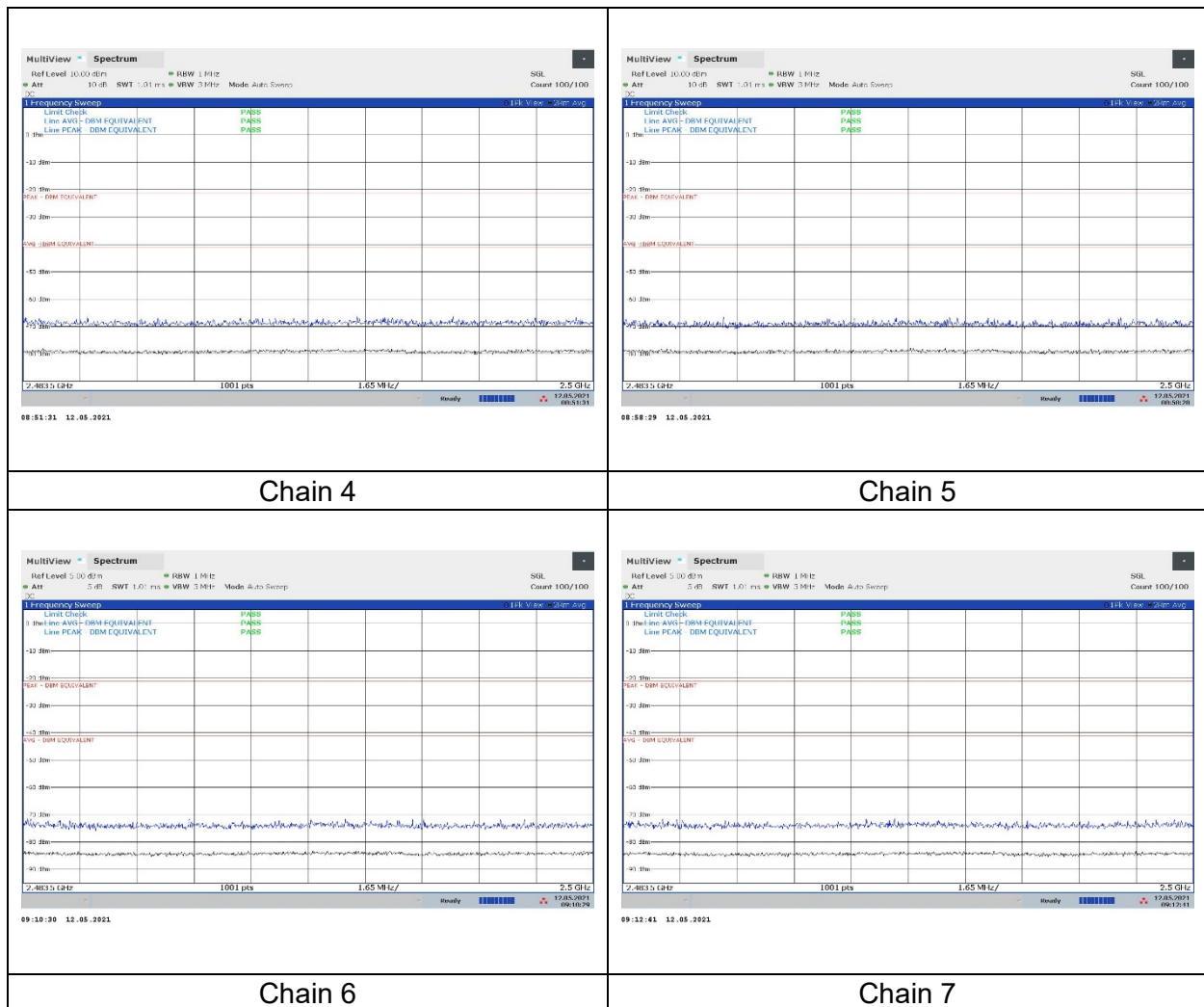
**Restricted Band (Low Channel) Tabular Summed Data, Worse-case Frequency:**

| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 0             | 26.8                | 3                         |                        |
| Frequency (GHz) | PK Value Chain 0 (dBm) | PK Value Chain 1 (dBm) | PK Value Chain 2 (dBm) | PK Value Chain 3 (dBm) | PK Value Chain 4 (dBm) | PK Value Chain 5 (dBm) | PK Value Chain 6 (dBm) | PK Value Chain 7 (dBm) | PK EIRP (dBm) | PK E-field (dBuV/m) | PK E-field Limit (dBuV/m) | PK E-field Margin (dB) |
| 2.39            | -66                    | -65.34                 | -66.13                 | -69.06                 | -69.76                 | -69.97                 | -63.44                 | -65.98                 | -30.59        | 64.67               | 74                        | -9.33                  |
| Frequency (GHz) | AV Value Chain 0 (dBm) | AV Value Chain 1 (dBm) | AV Value Chain 2 (dBm) | AV Value Chain 3 (dBm) | AV Value Chain 4 (dBm) | AV Value Chain 5 (dBm) | AV Value Chain 6 (dBm) | AV Value Chain 7 (dBm) | AV EIRP (dBm) | AV E-field (dBuV/m) | AV E-field Limit (dBuV/m) | AV E-field Margin (dB) |
| 2.36744         | -76.8                  | -76.79                 | -77                    | -81.14                 | -81.28                 | -81.24                 | -76.67                 | -76.78                 | -42.16        | 53.09               | 54                        | -0.91                  |

Note: GRF = Ground Reflection Factor per C63.10, Section 11.12.2.2

## 11.7.2. HIGH CHANNEL RESTRICTED BAND EDGE



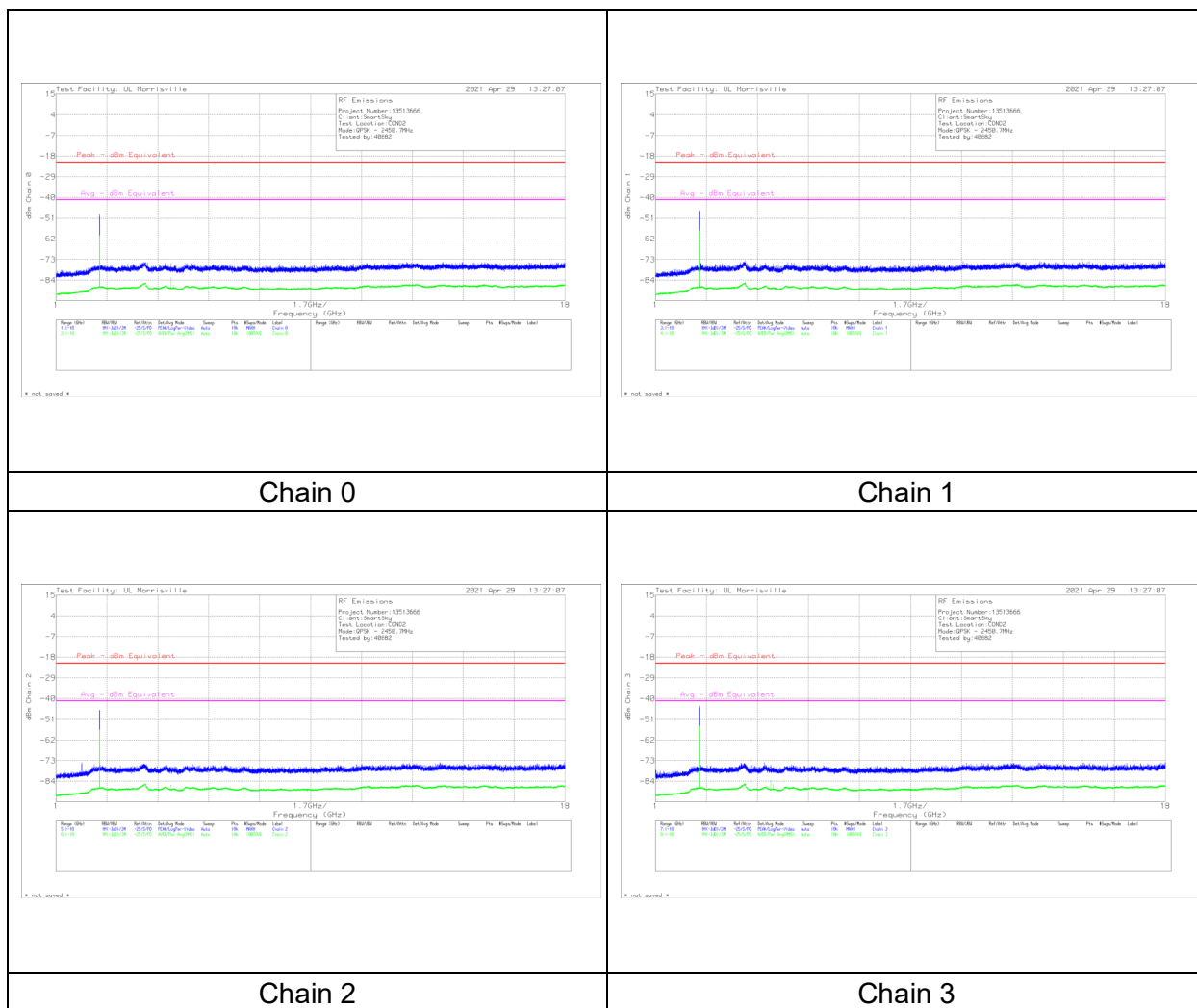


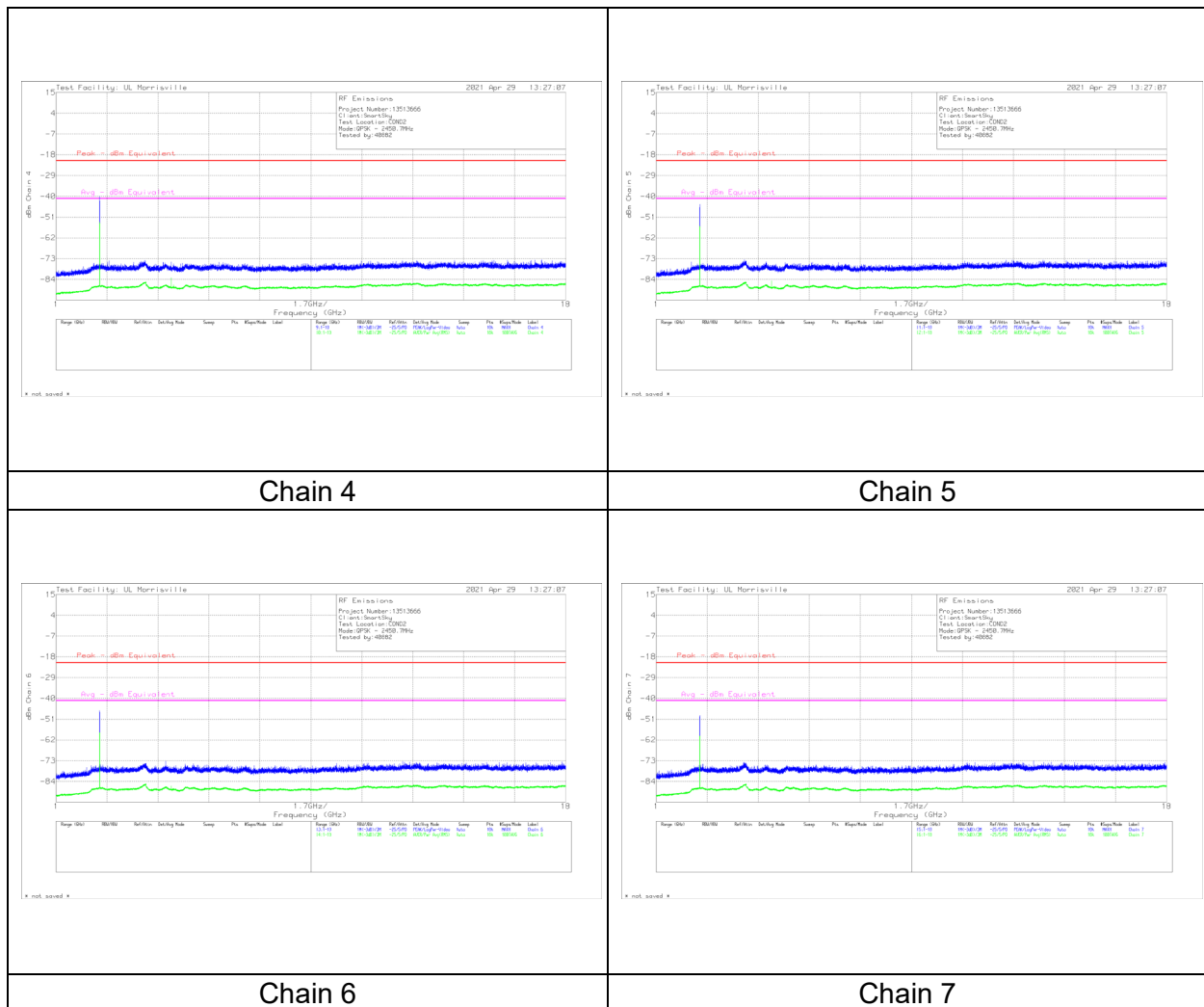
**Restricted Band (High Channel) Tabular Summed Data, Worse-case Frequency:**

| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 0             | 26.8                | 3                         |                        |
| Frequency (GHz) | PK Value Chain 0 (dBm) | PK Value Chain 1 (dBm) | PK Value Chain 2 (dBm) | PK Value Chain 3 (dBm) | PK Value Chain 4 (dBm) | PK Value Chain 5 (dBm) | PK Value Chain 6 (dBm) | PK Value Chain 7 (dBm) | PK EIRP (dBm) | PK E-field (dBuV/m) | PK E-field Limit (dBuV/m) | PK E-field Margin (dB) |
| 2483.5825       | -78.07                 | -67.94                 | -71.98                 | -73.95                 | -66.80                 | -67.58                 | -72.28                 | -73.47                 | -34.35        | 60.91               | 74                        | -13.09                 |
| Frequency (GHz) | AV Value Chain 0 (dBm) | AV Value Chain 1 (dBm) | AV Value Chain 2 (dBm) | AV Value Chain 3 (dBm) | AV Value Chain 4 (dBm) | AV Value Chain 5 (dBm) | AV Value Chain 6 (dBm) | AV Value Chain 7 (dBm) | AV EIRP (dBm) | AV E-field (dBuV/m) | AV E-field Limit (dBuV/m) | AV E-field Margin (dB) |
| 2491.552        | -88.93                 | -78.53                 | -83.74                 | -83.70                 | -78.78                 | -78.35                 | -84.17                 | -83.61                 | -45.43        | 49.83               | 54                        | -4.17                  |

Note: GRF = Ground Reflection Factor per C63.10, Section 11.12.2.2

### 11.7.3. LOW CHANNEL SPURIOUS: 1-18 GHz



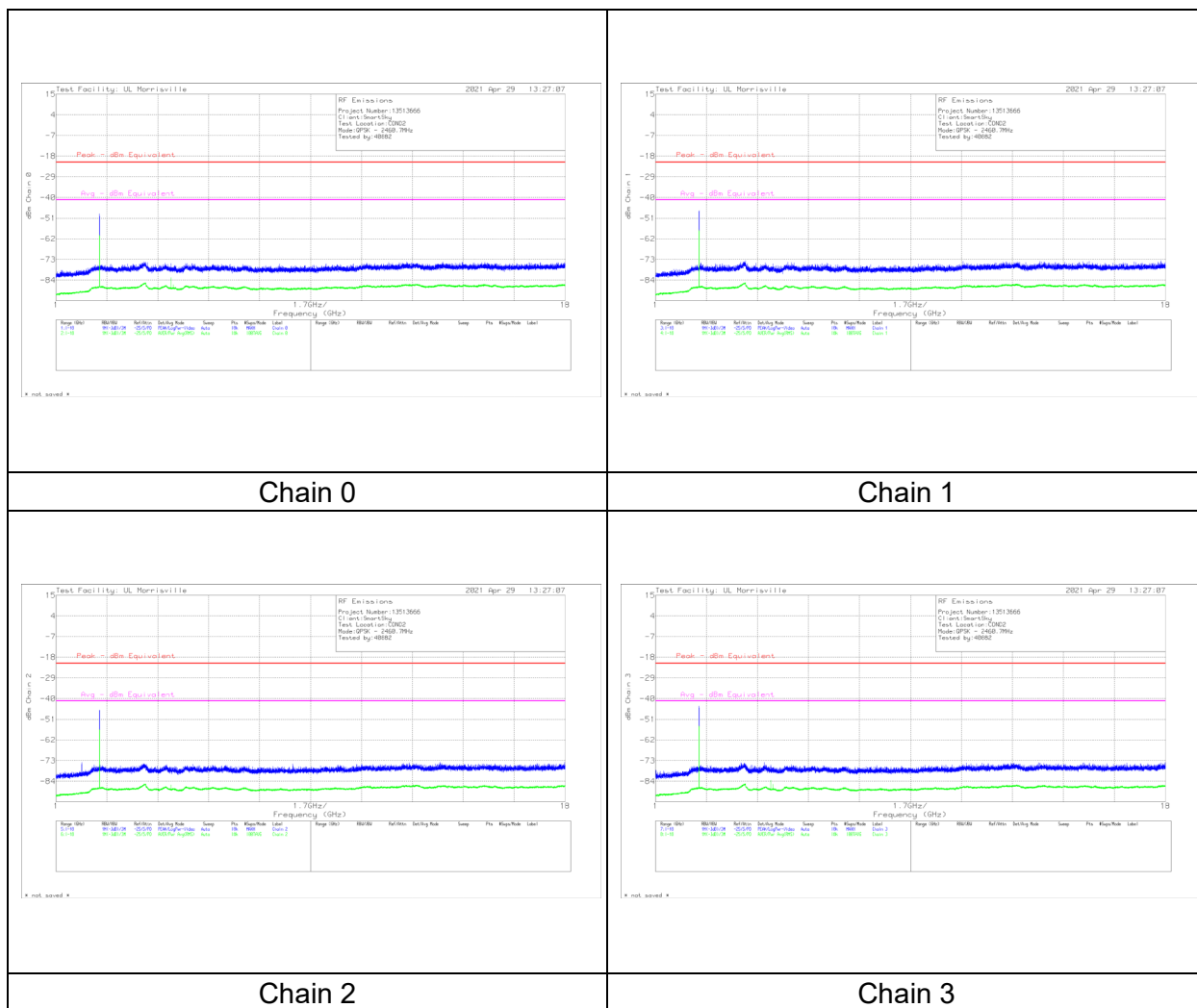


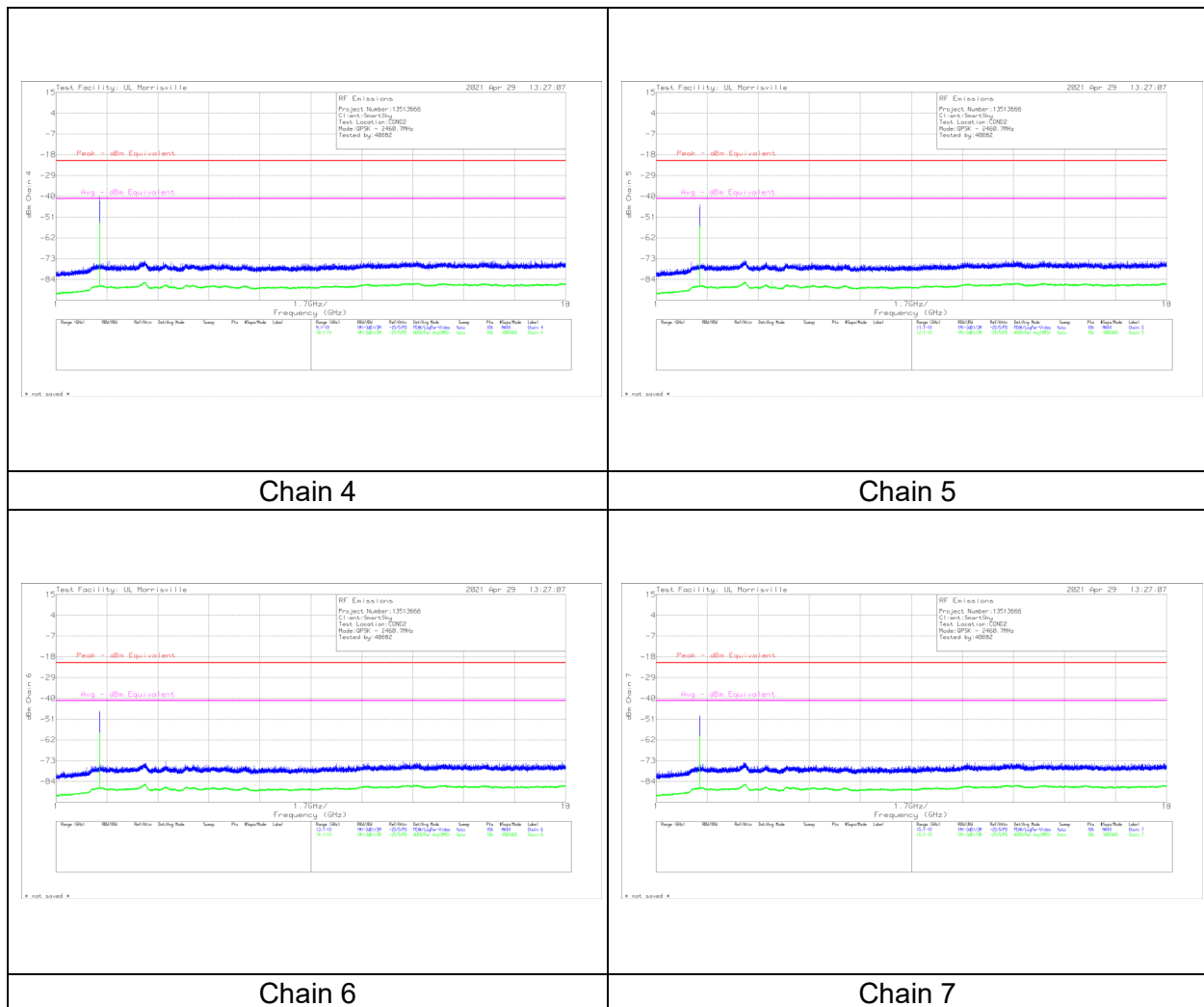
**Spurious Low Channel Tabular Summed Data, Worse-case Frequency:**

| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 0             | 26.8                | 3                         |                        |
| Frequency (GHz) | PK Value Chain 0 (dBm) | PK Value Chain 1 (dBm) | PK Value Chain 2 (dBm) | PK Value Chain 3 (dBm) | PK Value Chain 4 (dBm) | PK Value Chain 5 (dBm) | PK Value Chain 6 (dBm) | PK Value Chain 7 (dBm) | PK EIRP (dBm) | PK E-field (dBuV/m) | PK E-field Limit (dBuV/m) | PK E-field Margin (dB) |
| 3.959887        | -75.94                 | -74.16                 | -74.88                 | -74.94                 | -75.28                 | -75.39                 | -74.88                 | -75.62                 | -39.27        | 55.98               | 74                        | -18.02                 |
| Frequency (GHz) | AV Value Chain 0 (dBm) | AV Value Chain 1 (dBm) | AV Value Chain 2 (dBm) | AV Value Chain 3 (dBm) | AV Value Chain 4 (dBm) | AV Value Chain 5 (dBm) | AV Value Chain 6 (dBm) | AV Value Chain 7 (dBm) | AV EIRP (dBm) | AV E-field (dBuV/m) | AV E-field Limit (dBuV/m) | AV E-field Margin (dB) |
| 4.845776        | -82.7                  | -88.26                 | -85.85                 | -83.54                 | -83.2                  | -84.75                 | -86.37                 | -87.94                 | -49.1         | 46.2                | 54                        | -7.80                  |

Note: GRF = Ground Reflection Factor per C63.10, Section 11.12.2.2. Fundamental emission not identified in tabular data.

## 11.7.4. MID CHANNEL SPURIOUS: 1-18 GHz



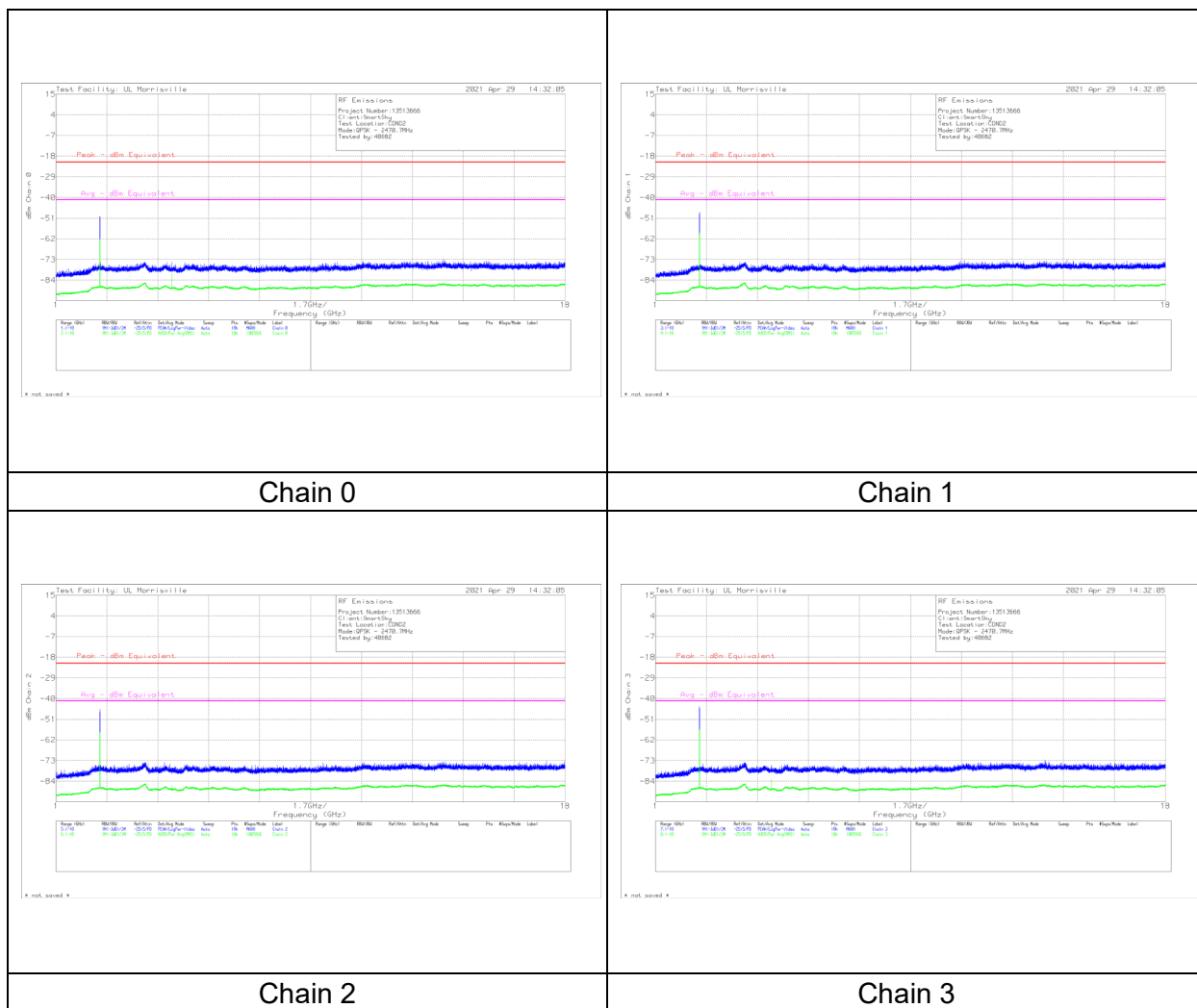


**Spurious Mid Channel Tabular Summed Data, Worse-case Frequency:**

| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 0             | 26.8                | 3                         |                        |
| Frequency (GHz) | PK Value Chain 0 (dBm) | PK Value Chain 1 (dBm) | PK Value Chain 2 (dBm) | PK Value Chain 3 (dBm) | PK Value Chain 4 (dBm) | PK Value Chain 5 (dBm) | PK Value Chain 6 (dBm) | PK Value Chain 7 (dBm) | PK EIRP (dBm) | PK E-field (dBuV/m) | PK E-field Limit (dBuV/m) | PK E-field Margin (dB) |
| 3.959887        | -75.94                 | -74.16                 | -74.88                 | -74.94                 | -75.28                 | -75.39                 | -74.88                 | -75.62                 | -39.27        | 55.98               | 74                        | -18.02                 |
| Frequency (GHz) | AV Value Chain 0 (dBm) | AV Value Chain 1 (dBm) | AV Value Chain 2 (dBm) | AV Value Chain 3 (dBm) | AV Value Chain 4 (dBm) | AV Value Chain 5 (dBm) | AV Value Chain 6 (dBm) | AV Value Chain 7 (dBm) | AV EIRP (dBm) | AV E-field (dBuV/m) | AV E-field Limit (dBuV/m) | AV E-field Margin (dB) |
| 4.845776        | -82.7                  | -88.26                 | -85.85                 | -83.54                 | -83.2                  | -84.75                 | -86.37                 | -87.94                 | -49.1         | 46.2                | 54                        | -7.80                  |

Note: GRF = Ground Reflection Factor per C63.10, Section 11.12.2.2. Fundamental emission not identified in tabular data.

## 11.7.5. HIGH CHANNEL SPURIOUS: 1-18 GHz

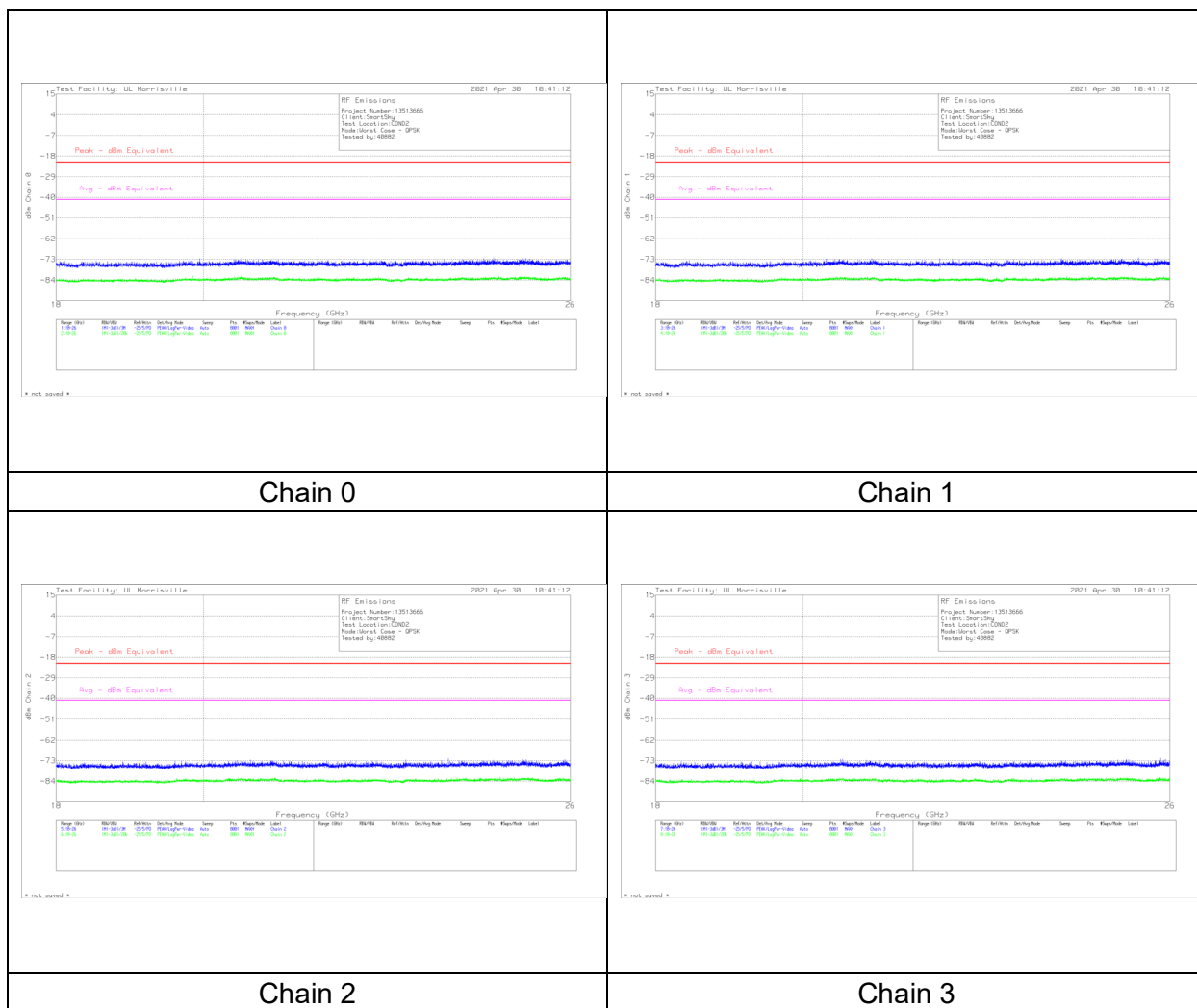


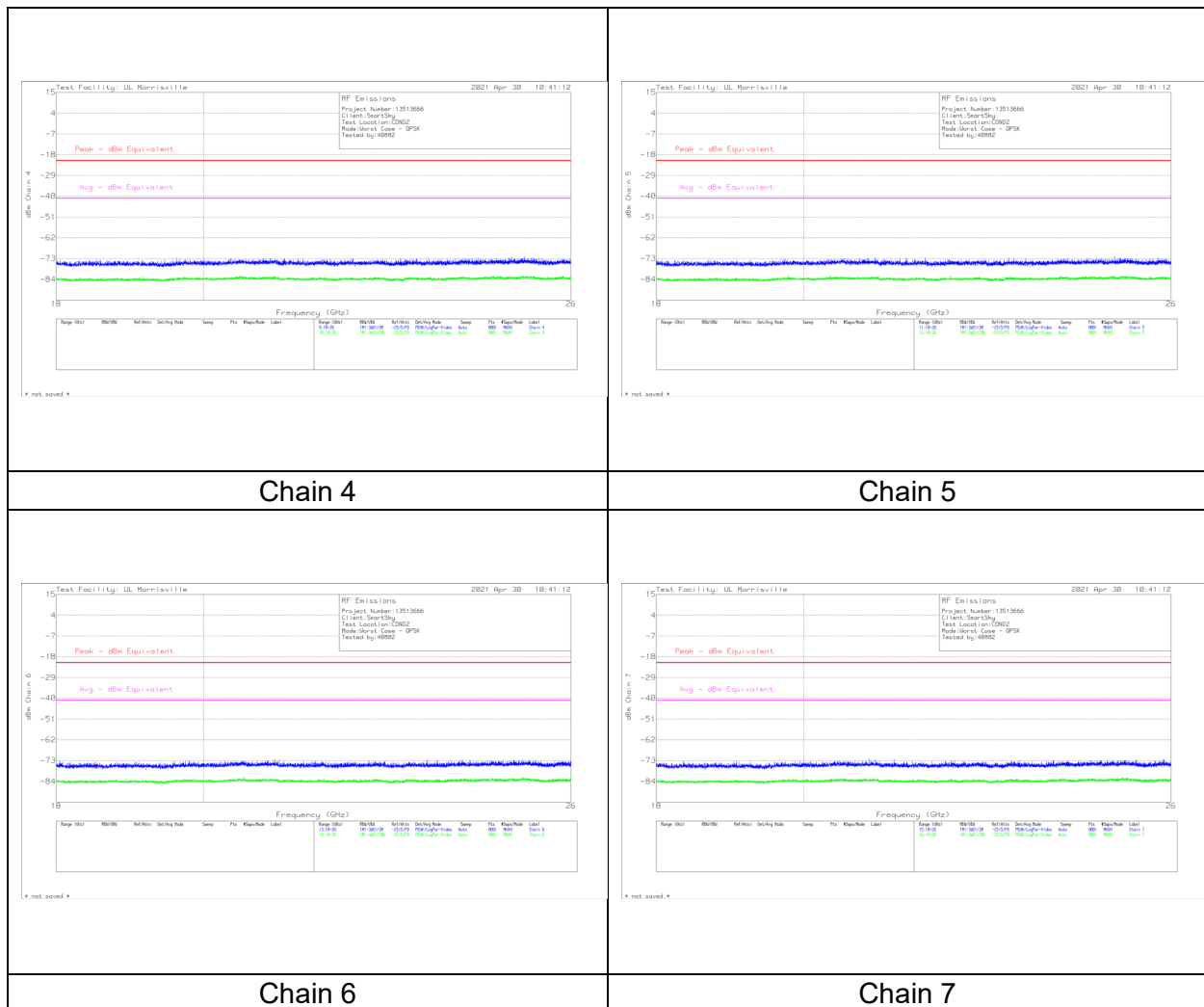


| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 0             | 26.8                | 3                         |                        |
| Frequency (GHz) | PK Value Chain 0 (dBm) | PK Value Chain 1 (dBm) | PK Value Chain 2 (dBm) | PK Value Chain 3 (dBm) | PK Value Chain 4 (dBm) | PK Value Chain 5 (dBm) | PK Value Chain 6 (dBm) | PK Value Chain 7 (dBm) | PK EIRP (dBm) | PK E-field (dBuV/m) | PK E-field Limit (dBuV/m) | PK E-field Margin (dB) |
| 3.980665        | -75.59                 | -74.37                 | -74.59                 | -74.39                 | -75.98                 | -75.29                 | -75.59                 | -75.16                 | -39.25        | 56.01               | 74                        | -17.99                 |
| Frequency (GHz) | AV Value Chain 0 (dBm) | AV Value Chain 1 (dBm) | AV Value Chain 2 (dBm) | AV Value Chain 3 (dBm) | AV Value Chain 4 (dBm) | AV Value Chain 5 (dBm) | AV Value Chain 6 (dBm) | AV Value Chain 7 (dBm) | AV EIRP (dBm) | AV E-field (dBuV/m) | AV E-field Limit (dBuV/m) | AV E-field Margin (dB) |
| 4.865609        | -80.59                 | -87.55                 | -86.24                 | -82.82                 | -81.39                 | -84.65                 | -86.24                 | -86.76                 | -47.98        | 47.28               | 54                        | -6.72                  |

Note: GRF = Ground Rreflection Factor per C63.10, Section 11.12.2.2. Fundamental emission not identified in tabular data.

## 11.7.6. WORSE-CASE CHANNEL SPURIOUS: 18-26 GHz



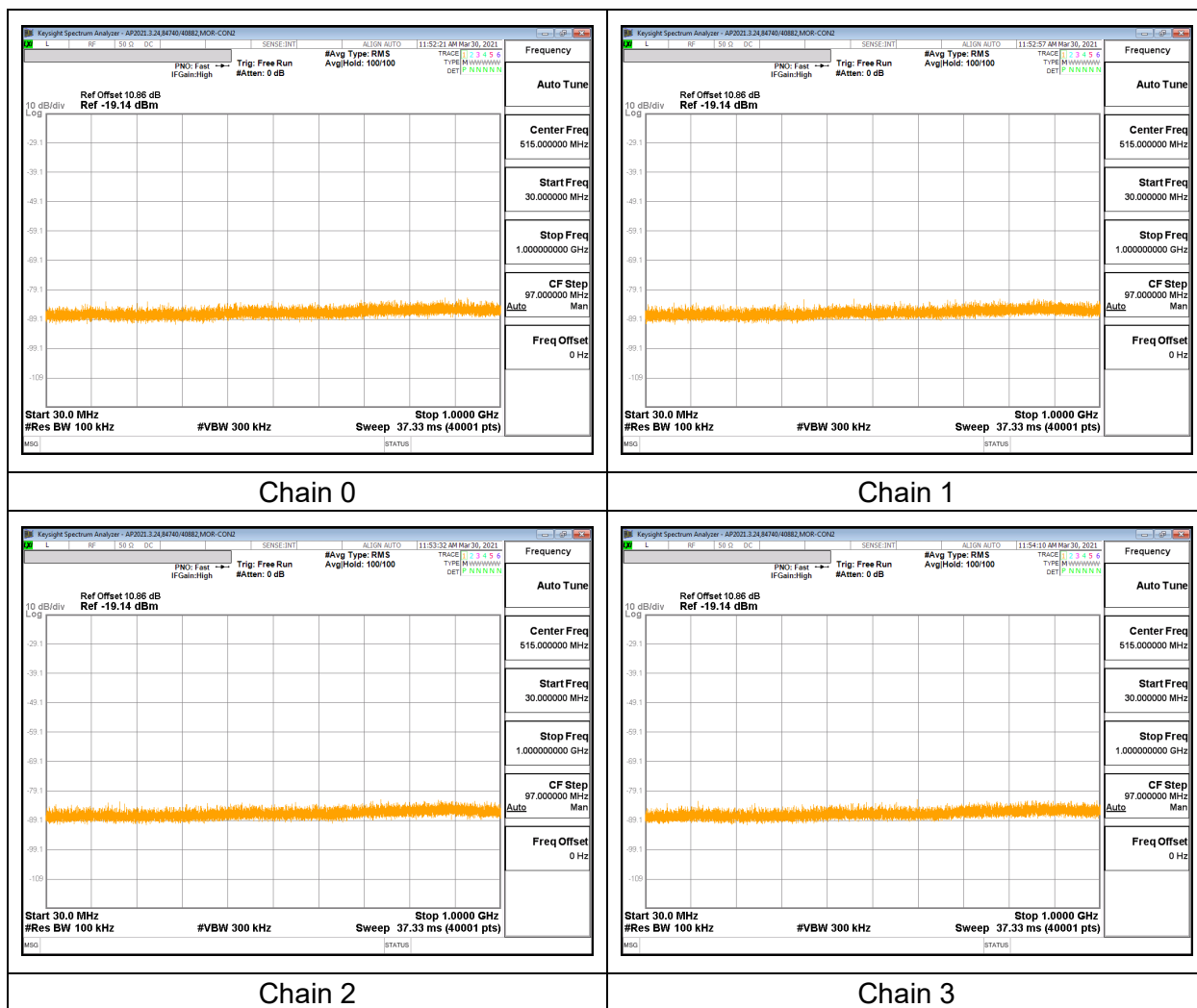


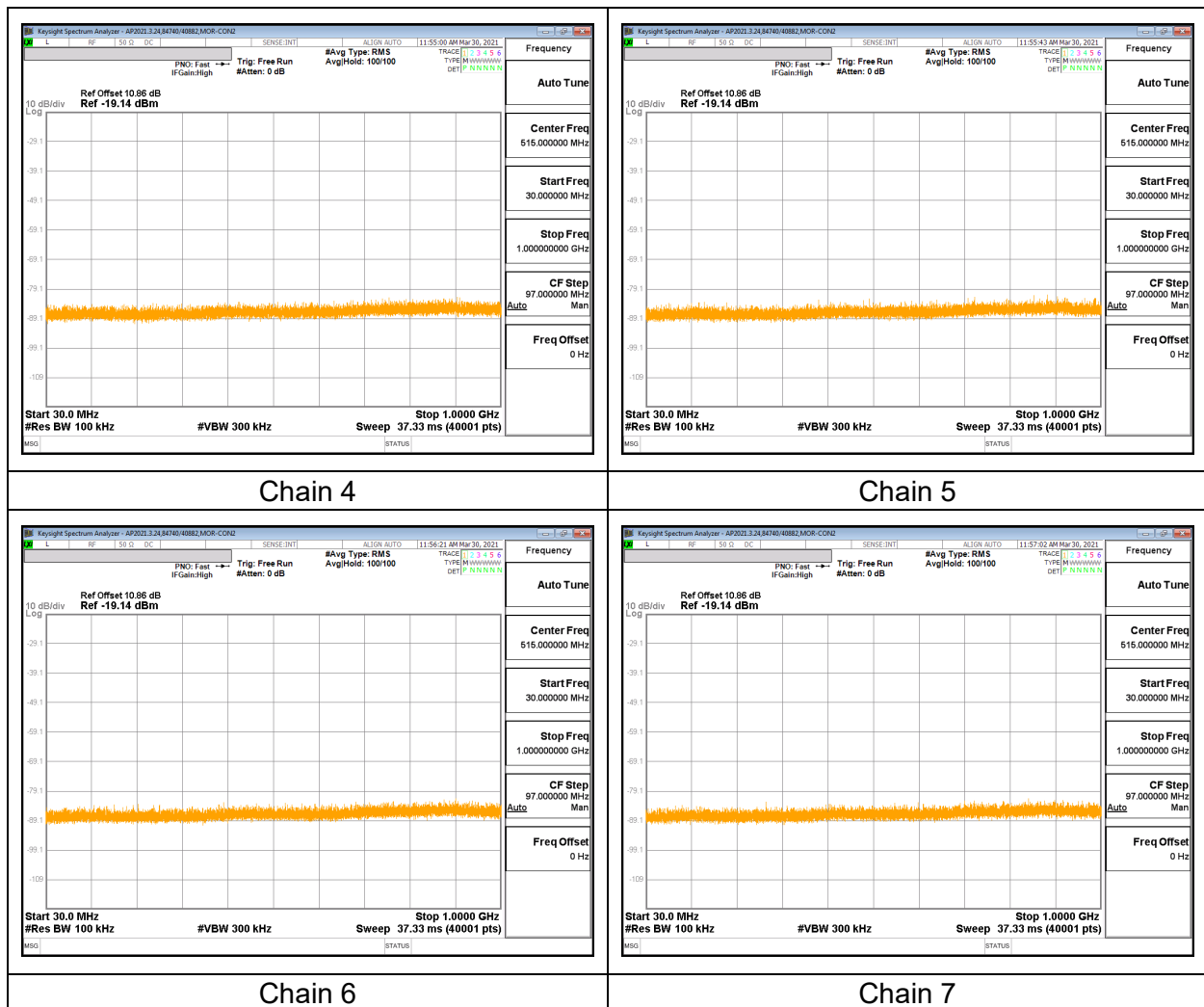
**Spurious Tabular Summed Data, Worse-case Frequency:**

| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 0             | 26.8                | 3                         |                        |
| Frequency (GHz) | PK Value Chain 0 (dBm) | PK Value Chain 1 (dBm) | PK Value Chain 2 (dBm) | PK Value Chain 3 (dBm) | PK Value Chain 4 (dBm) | PK Value Chain 5 (dBm) | PK Value Chain 6 (dBm) | PK Value Chain 7 (dBm) | PK EIRP (dBm) | PK E-field (dBuV/m) | PK E-field Limit (dBuV/m) | PK E-field Margin (dB) |
| 25.194          | -74.1                  | -74.35                 | -73.61                 | -72.49                 | -73.91                 | -74.21                 | -75.5                  | -73.79                 | -38.09        | 57.16               | 74                        | -16.84                 |
| Frequency (GHz) | AV Value Chain 0 (dBm) | AV Value Chain 1 (dBm) | AV Value Chain 2 (dBm) | AV Value Chain 3 (dBm) | AV Value Chain 4 (dBm) | AV Value Chain 5 (dBm) | AV Value Chain 6 (dBm) | AV Value Chain 7 (dBm) | AV EIRP (dBm) | AV E-field (dBuV/m) | AV E-field Limit (dBuV/m) | AV E-field Margin (dB) |
| 25.121          | -83.12                 | -82.88                 | -81.94                 | -82.58                 | -82.54                 | -83.28                 | -82.09                 | -82.04                 | -46.70        | 48.56               | 54                        | -5.44                  |

Note: GRF = Ground Reflection Factor per C63.10, Section 11.12.2.2

## 11.7.7. WORSE-CASE CHANNEL SPURIOUS: 30-1000 MHz



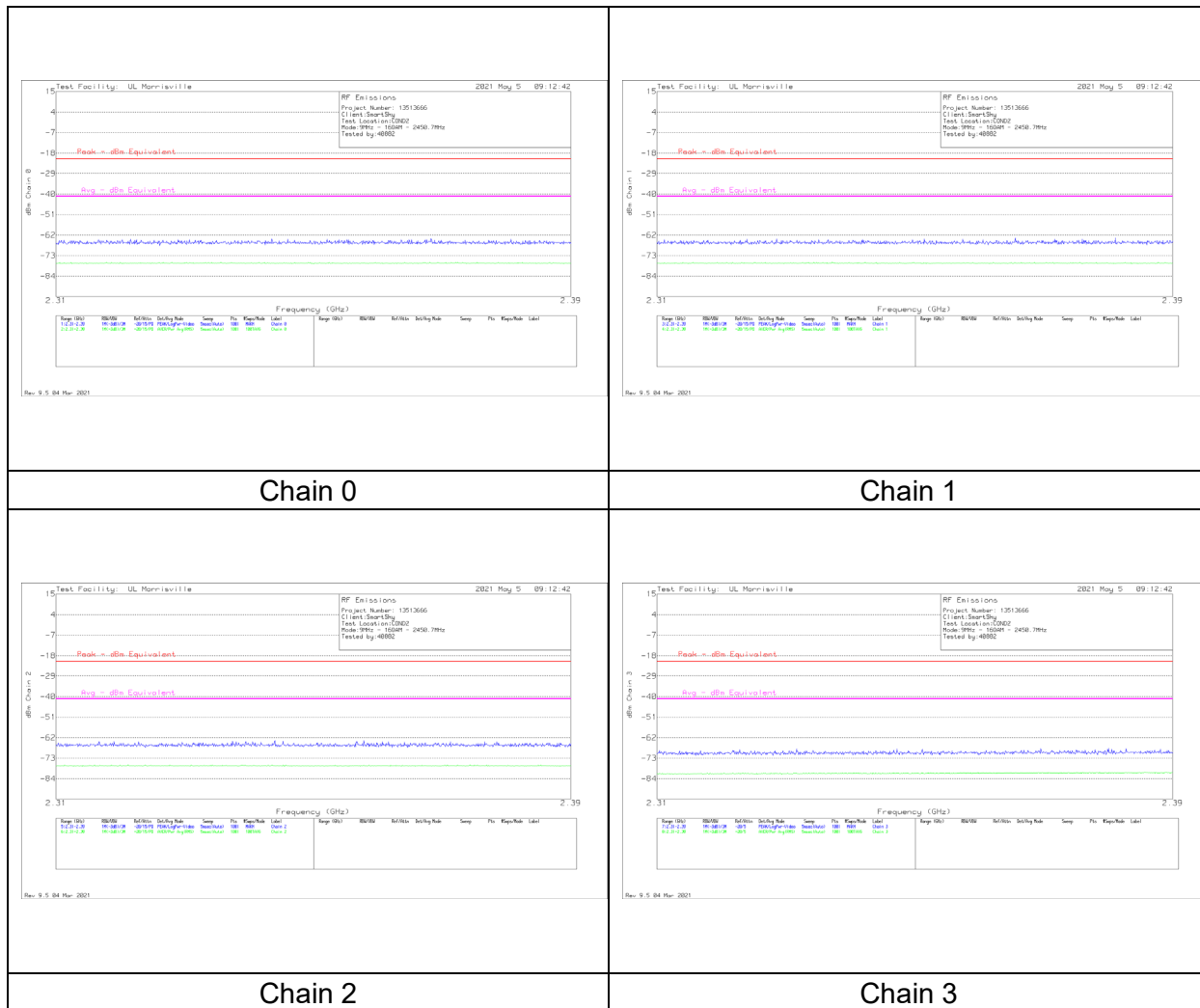


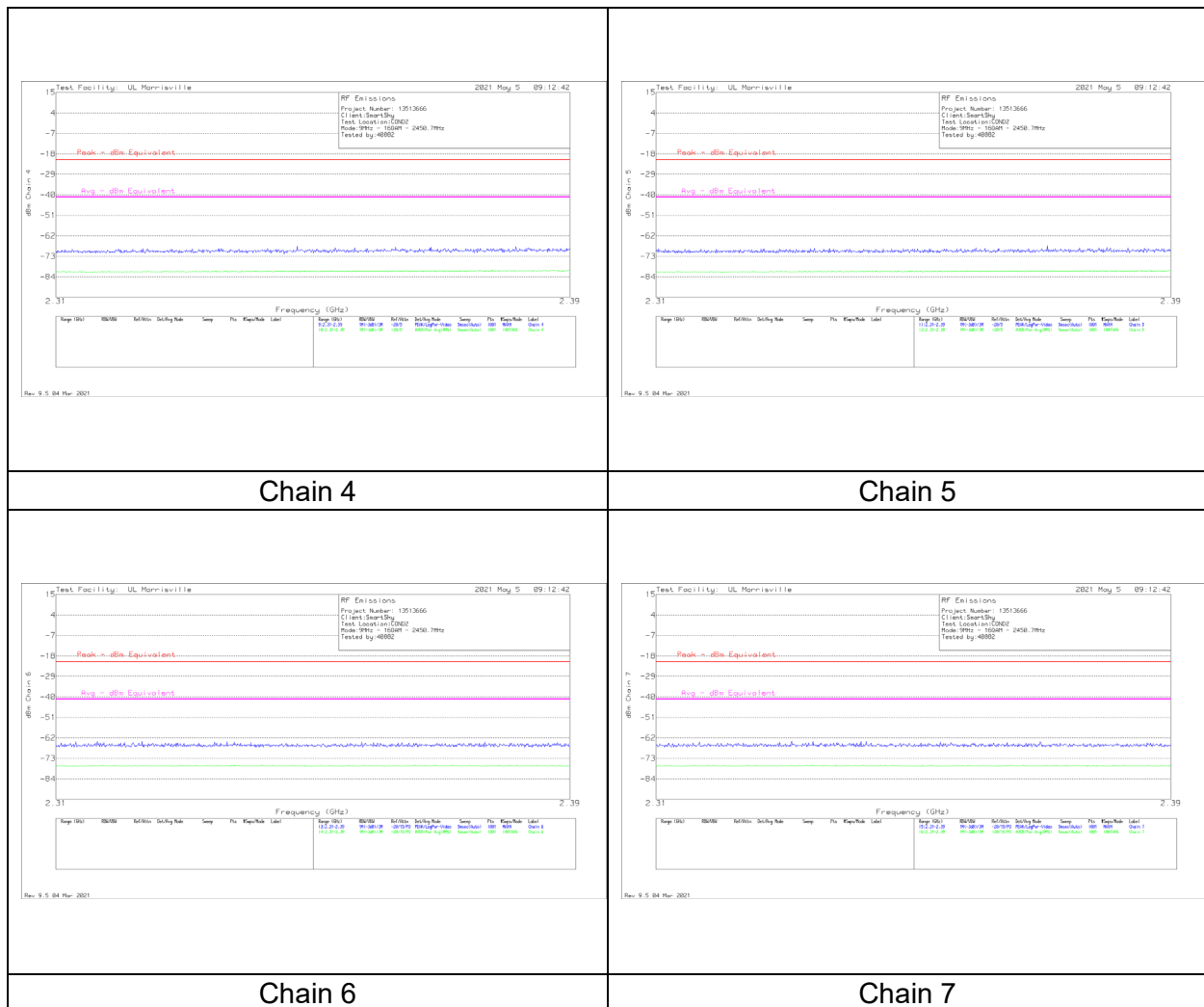
**Spurious Tabular Summed Data, Worse-case Frequency:**

| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 4.7           | 26.8                | 3                         |                        |
| Frequency (MHz) | QP Value Chain 0 (dBm) | QP Value Chain 1 (dBm) | QP Value Chain 2 (dBm) | QP Value Chain 3 (dBm) | QP Value Chain 4 (dBm) | QP Value Chain 5 (dBm) | QP Value Chain 6 (dBm) | QP Value Chain 7 (dBm) | QK EIRP (dBm) | QP E-field (dBuV/m) | QP E-field Limit (dBuV/m) | QP E-field Margin (dB) |
| 399.4           | -96.38                 | -96.32                 | -96.29                 | -96.37                 | -96.31                 | -96.37                 | -96.34                 | -96.33                 | -55.81        | 39.45               | 46                        | -6.55                  |

## 11.8. FRB, 9MHz BW, 16QAM MODE, TX ABOVE 1 GHz IN THE 2.4 GHz BAND

### 11.8.1. LOW CHANNEL RESTRICTED BAND EDGE



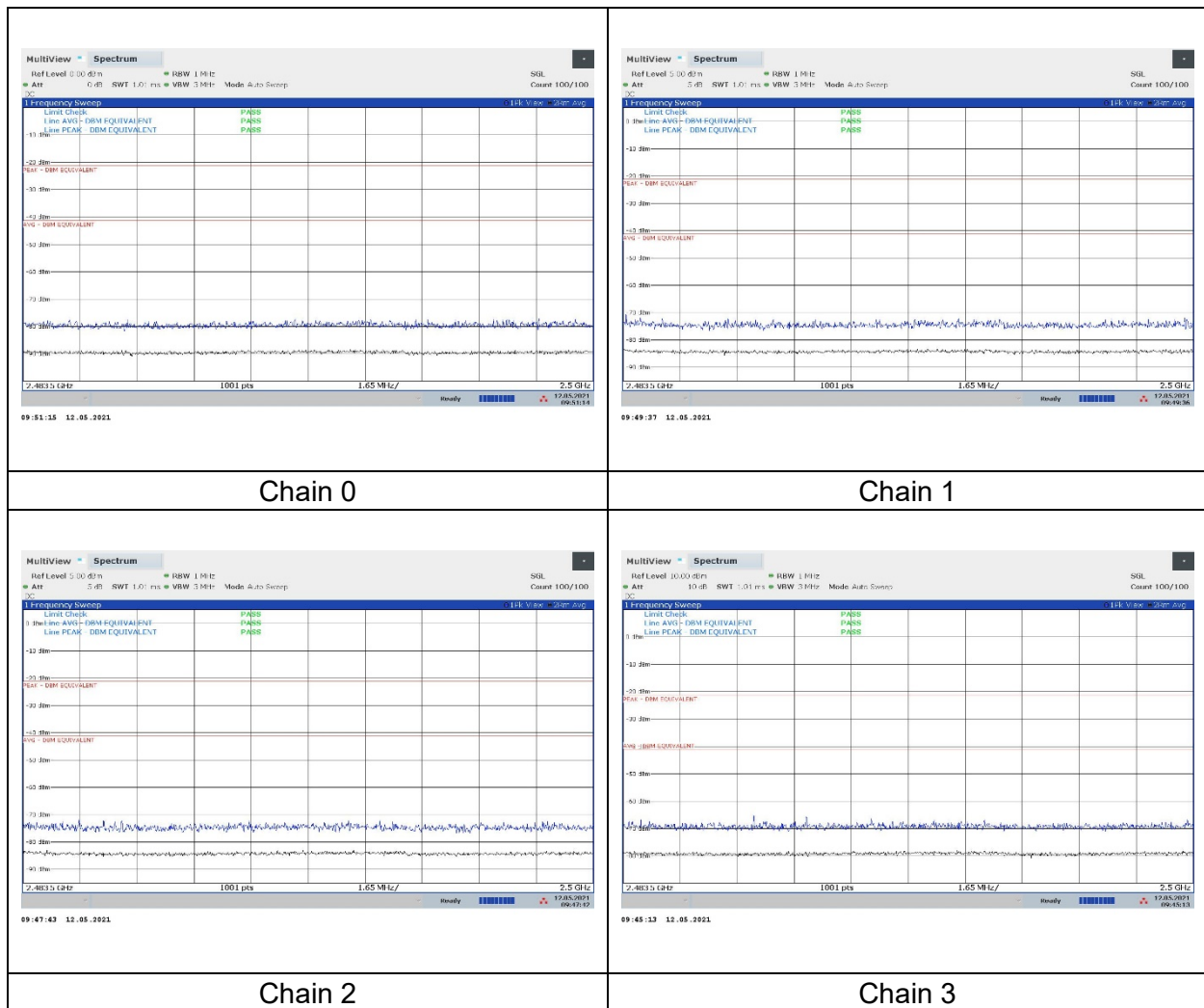


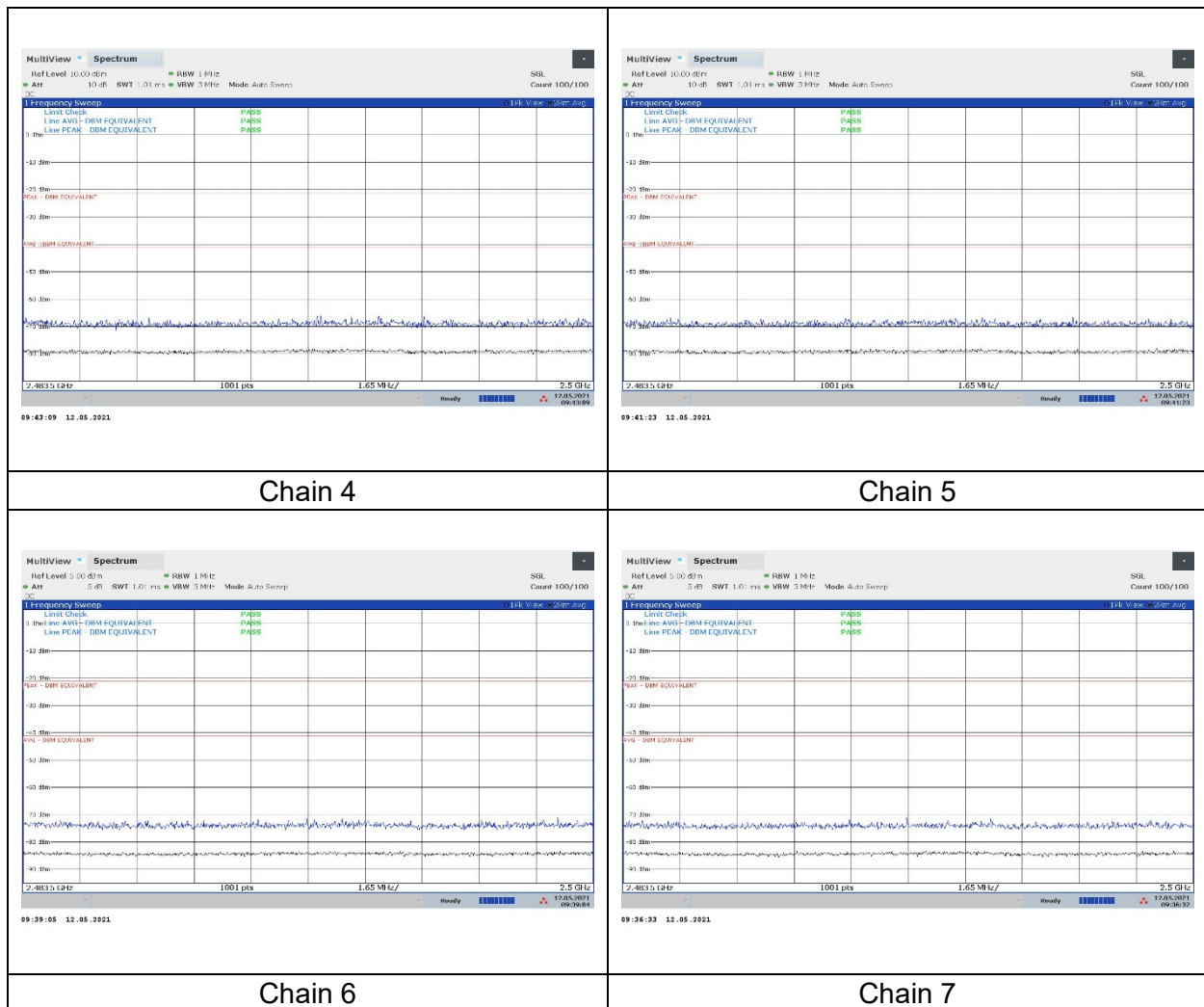
**Restricted Band (Low Channel) Tabular Summed Data, Worse-case Frequency:**

| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 0             | 26.8                | 3                         |                        |
| Frequency (GHz) | PK Value Chain 0 (dBm) | PK Value Chain 1 (dBm) | PK Value Chain 2 (dBm) | PK Value Chain 3 (dBm) | PK Value Chain 4 (dBm) | PK Value Chain 5 (dBm) | PK Value Chain 6 (dBm) | PK Value Chain 7 (dBm) | PK EIRP (dBm) | PK E-field (dBuV/m) | PK E-field Limit (dBuV/m) | PK E-field Margin (dB) |
| 2.36944         | -65.32                 | -64.94                 | -66.59                 | -69.98                 | -70.11                 | -69.81                 | -65.24                 | -64.14                 | -30.60        | 64.66               | 74                        | -9.34                  |
| Frequency (GHz) | AV Value Chain 0 (dBm) | AV Value Chain 1 (dBm) | AV Value Chain 2 (dBm) | AV Value Chain 3 (dBm) | AV Value Chain 4 (dBm) | AV Value Chain 5 (dBm) | AV Value Chain 6 (dBm) | AV Value Chain 7 (dBm) | AV EIRP (dBm) | AV E-field (dBuV/m) | AV E-field Limit (dBuV/m) | AV E-field Margin (dB) |
| 2.37216         | -76.76                 | -76.88                 | -76.86                 | -80.89                 | -80.9                  | -80.94                 | -76.8                  | -76.98                 | -42.15        | 53.11               | 54                        | -0.89                  |

Note: GRF = Ground Reflection Factor per C63.10, Section 11.12.2.2

## 11.8.2. HIGH CHANNEL RESTRICTED BAND EDGE



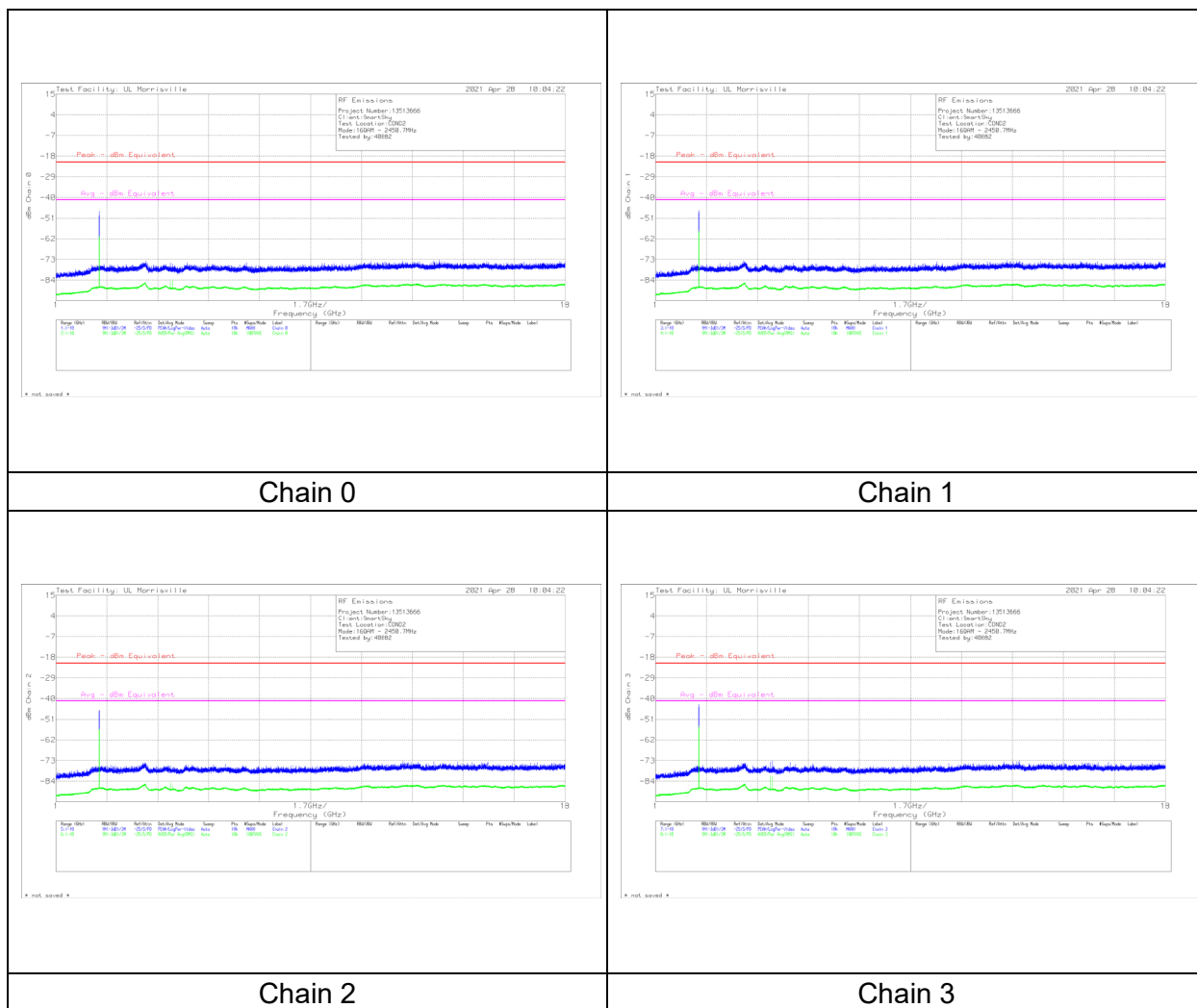


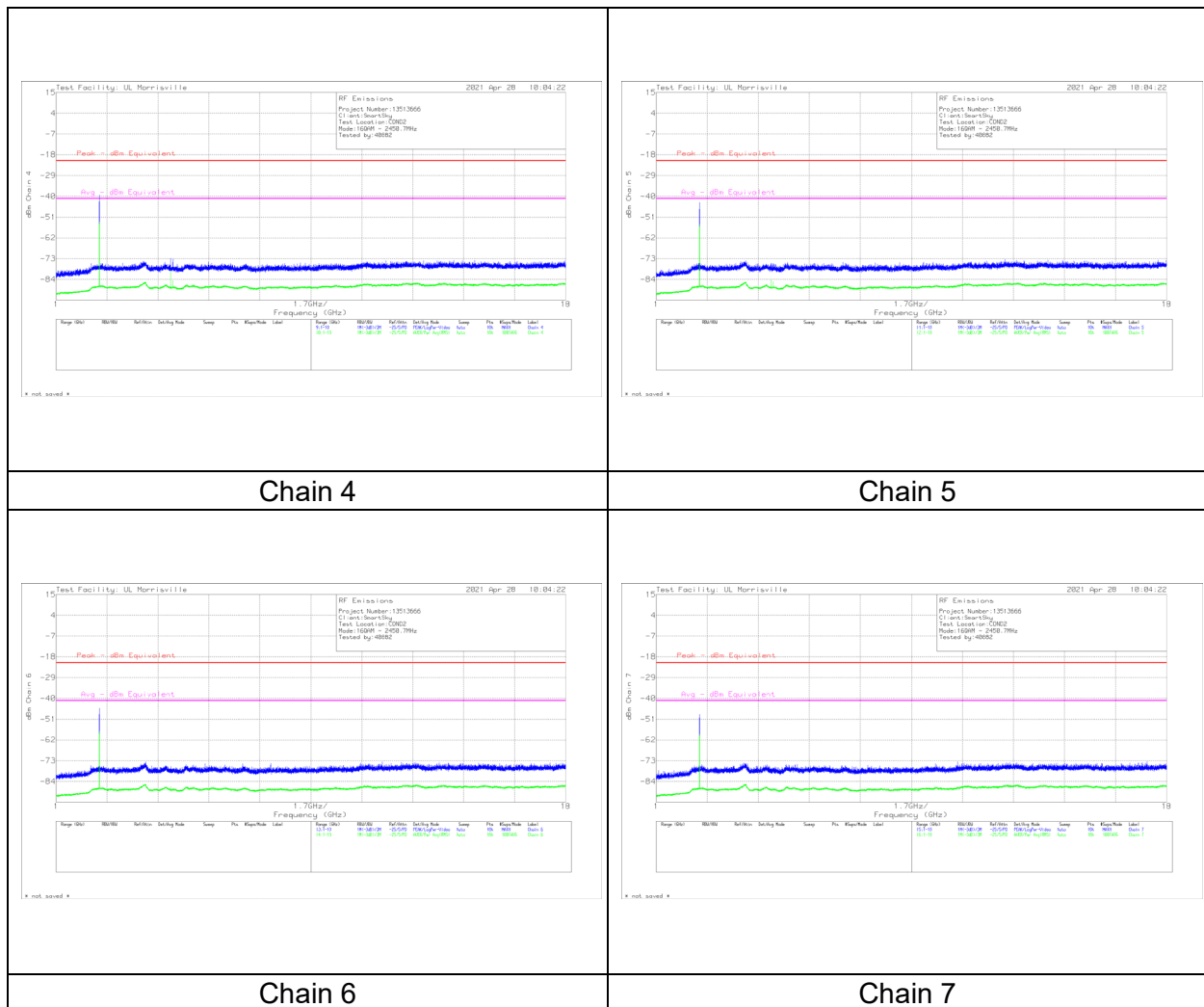
**Restricted Band (High Channel) Tabular Summed Data, Worse-case Frequency:**

| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 0             | 26.8                | 3                         |                        |
| Frequency (GHz) | PK Value Chain 0 (dBm) | PK Value Chain 1 (dBm) | PK Value Chain 2 (dBm) | PK Value Chain 3 (dBm) | PK Value Chain 4 (dBm) | PK Value Chain 5 (dBm) | PK Value Chain 6 (dBm) | PK Value Chain 7 (dBm) | PK EIRP (dBm) | PK E-field (dBuV/m) | PK E-field Limit (dBuV/m) | PK E-field Margin (dB) |
| 2492.113        | -78.83                 | -72.94                 | -74.38                 | -68.77                 | -66.15                 | -68.03                 | -74.48                 | -74.27                 | -34.71        | 60.55               | 74                        | -13.45                 |
| Frequency (GHz) | AV Value Chain 0 (dBm) | AV Value Chain 1 (dBm) | AV Value Chain 2 (dBm) | AV Value Chain 3 (dBm) | AV Value Chain 4 (dBm) | AV Value Chain 5 (dBm) | AV Value Chain 6 (dBm) | AV Value Chain 7 (dBm) | AV EIRP (dBm) | AV E-field (dBuV/m) | AV E-field Limit (dBuV/m) | AV E-field Margin (dB) |
| 2493.598        | -90.22                 | -83.89                 | -83.64                 | -78.55                 | -78.35                 | -78.42                 | -84.07                 | -84.34                 | -45.42        | 49.83               | 54                        | -4.17                  |

Note: GRF = Ground Reflection Factor per C63.10, Section 11.12.2.2

### 11.8.3. LOW CHANNEL SPURIOUS: 1-18 GHz



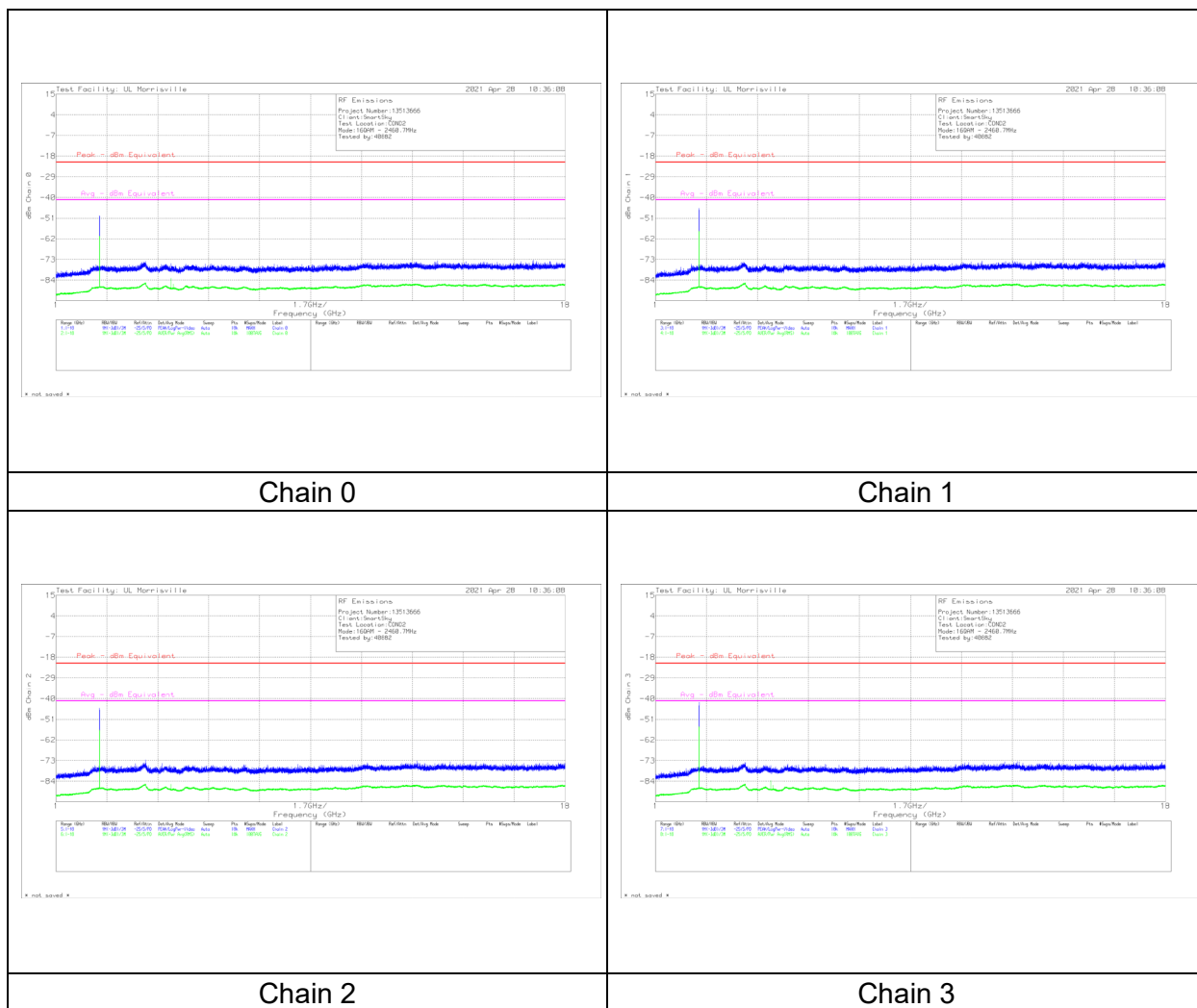


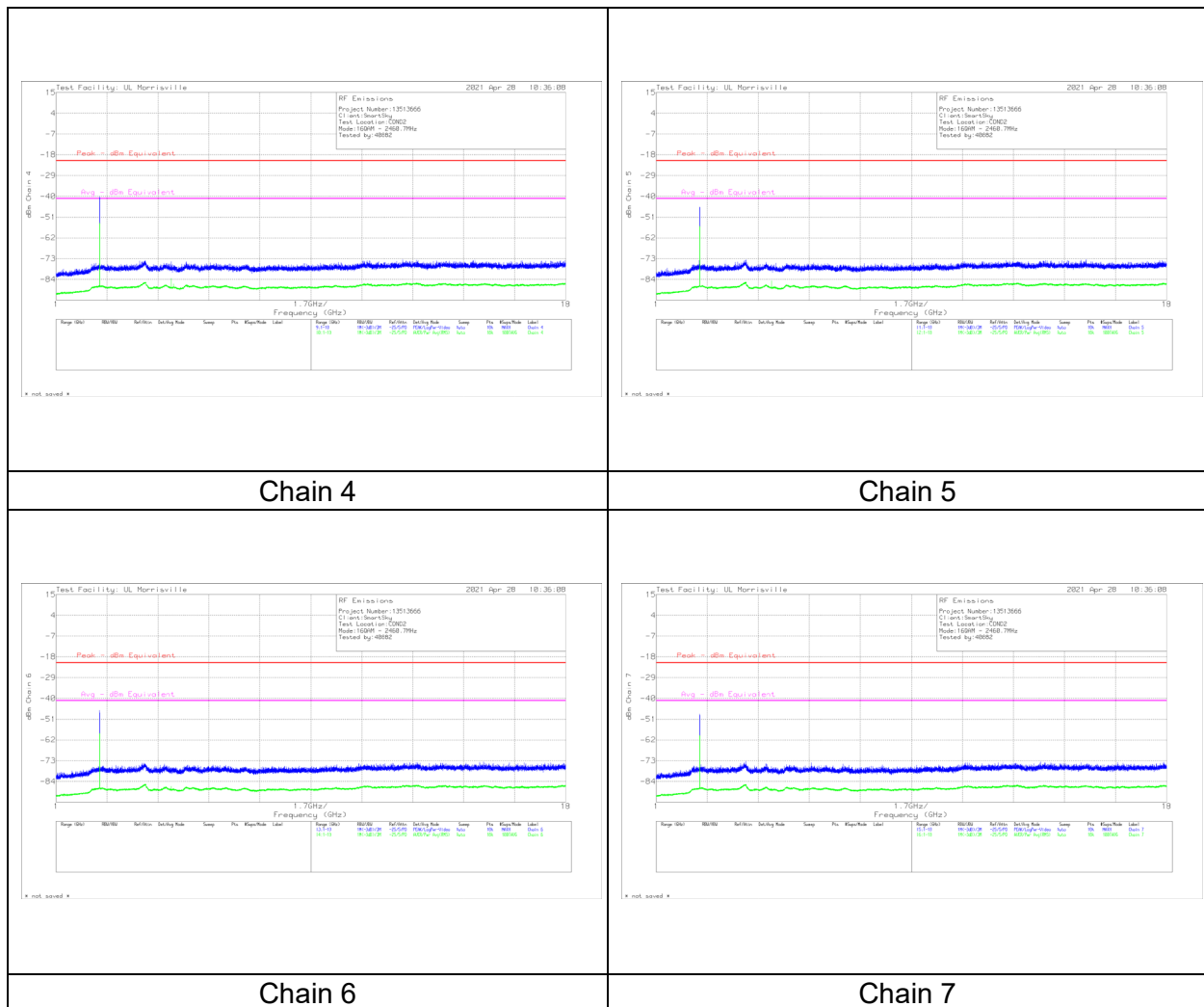
**Spurious Low Channel Tabular Summed Data, Worse-case Frequency:**

| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 0             | 26.8                | 3                         |                        |
| Frequency (GHz) | PK Value Chain 0 (dBm) | PK Value Chain 1 (dBm) | PK Value Chain 2 (dBm) | PK Value Chain 3 (dBm) | PK Value Chain 4 (dBm) | PK Value Chain 5 (dBm) | PK Value Chain 6 (dBm) | PK Value Chain 7 (dBm) | PK EIRP (dBm) | PK E-field (dBuV/m) | PK E-field Limit (dBuV/m) | PK E-field Margin (dB) |
| 3.982554        | -75.43                 | -74.92                 | -76.08                 | -74.27                 | -76.2                  | -75.89                 | -76.23                 | -74.88                 | -39.6         | 55.7                | 74                        | -18.34                 |
| Frequency (GHz) | AV Value Chain 0 (dBm) | AV Value Chain 1 (dBm) | AV Value Chain 2 (dBm) | AV Value Chain 3 (dBm) | AV Value Chain 4 (dBm) | AV Value Chain 5 (dBm) | AV Value Chain 6 (dBm) | AV Value Chain 7 (dBm) | AV EIRP (dBm) | AV E-field (dBuV/m) | AV E-field Limit (dBuV/m) | AV E-field Margin (dB) |
| 4.824998        | -84.64                 | -87.06                 | -84.72                 | -80.99                 | -79.54                 | -83.98                 | -86.81                 | -88.22                 | -47.70        | 47.55               | 54                        | -6.45                  |

Note: GRF = Ground Reflection Factor per C63.10, Section 11.12.2.2. Fundamental emission not identified in tabular data.

## 11.8.4. MID CHANNEL SPURIOUS: 1-18 GHz





**Spurious Mid Channel Tabular Summed Data, Worse-case Frequency:**

| Chain           | 0                      | 1                      | 2                      | 3                      | 4                      | 5                      | 6                      | 7                      | GRF (dB)      | Array Gain (dBi)    | Meas. Dist (m)            |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|---------------------|---------------------------|------------------------|
| Gain (dBi)      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | -                      | 0             | 26.8                | 3                         |                        |
| Frequency (GHz) | PK Value Chain 0 (dBm) | PK Value Chain 1 (dBm) | PK Value Chain 2 (dBm) | PK Value Chain 3 (dBm) | PK Value Chain 4 (dBm) | PK Value Chain 5 (dBm) | PK Value Chain 6 (dBm) | PK Value Chain 7 (dBm) | PK EIRP (dBm) | PK E-field (dBuV/m) | PK E-field Limit (dBuV/m) | PK E-field Margin (dB) |
| 3.978776        | -75.56                 | -74.74                 | -76.35                 | -75.11                 | -75.86                 | -75.65                 | -76.34                 | -75.14                 | -39.7         | 55.5                | 74                        | -18.47                 |
| Frequency (GHz) | AV Value Chain 0 (dBm) | AV Value Chain 1 (dBm) | AV Value Chain 2 (dBm) | AV Value Chain 3 (dBm) | AV Value Chain 4 (dBm) | AV Value Chain 5 (dBm) | AV Value Chain 6 (dBm) | AV Value Chain 7 (dBm) | AV EIRP (dBm) | AV E-field (dBuV/m) | AV E-field Limit (dBuV/m) | AV E-field Margin (dB) |
| 4.825943        | -85.23                 | -87.18                 | -85.32                 | -81.94                 | -80.48                 | -84.83                 | -86.9                  | -88.09                 | -48.42        | 46.84               | 54                        | -7.16                  |

Note: GRF = Ground Reflection Factor per C63.10, Section 11.12.2.2. Fundamental emission not identified in tabular data.