

| Band                    | BW (MHz) | RB Config | Modulation | Channel | Frequency Range | Result |
|-------------------------|----------|-----------|------------|---------|-----------------|--------|
|                         |          |           |            | Middle  | 30MHz~20GHz     | PASS   |
|                         |          |           |            | High    | 30MHz~20GHz     | PASS   |
|                         |          |           |            | Low     | 30MHz~20GHz     | PASS   |
| Band 26<br>(824-849MHz) | 1.4      | OneRB_low | QPSK       | Middle  | 30MHz~20GHz     | PASS   |
|                         |          |           |            | High    | 30MHz~20GHz     | PASS   |
|                         |          |           |            | Low     | 30MHz~20GHz     | PASS   |
| Band 38                 | 5        | OneRB_low | QPSK       | Middle  | 30MHz~20GHz     | PASS   |
|                         |          |           |            | High    | 30MHz~20GHz     | PASS   |
|                         |          |           |            | Low     | 30MHz~20GHz     | PASS   |
| Band 41                 | 5        | OneRB_low | QPSK       | Middle  | 30MHz~20GHz     | PASS   |
|                         |          |           |            | High    | 30MHz~20GHz     | PASS   |
|                         |          |           |            | Low     | 30MHz~20GHz     | PASS   |
| Band 41<br>(Note 1)     | 5        | OneRB_low | QPSK       | Low     | 30MHz~20GHz     | PASS   |
| Band66                  | 1.4      | OneRB_low | QPSK       | Middle  | 30MHz~20GHz     | PASS   |
|                         |          |           |            | High    | 30MHz~20GHz     | PASS   |
|                         |          |           |            | Low     | 30MHz~20GHz     | PASS   |
| Band 71                 | 5        | OneRB_low | QPSK       | Middle  | 30MHz~20GHz     | PASS   |
|                         |          |           |            | High    | 30MHz~20GHz     | PASS   |
|                         |          |           |            | Low     | 30MHz~20GHz     | PASS   |

**RSE-LTE2-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3701.2          | -47.5      | 6.6       | 7.9      | -46.2             | -13        | 33.20       | H            |
| 5552.0          | -47.44     | 8.2       | 9.8      | -45.84            | -13        | 32.84       | V            |
| 7402.8          | -41.29     | 9.7       | 11.6     | -39.39            | -13        | 26.39       | V            |
| 9252.8          | -44.96     | 10.7      | 12.7     | -42.96            | -13        | 29.96       | V            |
| 12971.2         | -43.69     | 13.2      | 12.3     | -44.59            | -13        | 31.59       | V            |
| 16840.8         | -35.77     | 15.8      | 12.3     | -39.27            | -13        | 26.27       | H            |

**RSE-LTE2-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3760.0          | -51.28     | 6.6       | 7.9      | -49.98            | -13        | 36.98       | H            |
| 4853.6          | -47.96     | 7.6       | 9.0      | -46.56            | -13        | 33.56       | H            |
| 7519.6          | -46.5      | 9.7       | 11.6     | -44.6             | -13        | 31.60       | V            |
| 9822.0          | -50.31     | 11.0      | 12.5     | -48.81            | -13        | 35.81       | V            |

|         |        |      |      |        |     |       |   |
|---------|--------|------|------|--------|-----|-------|---|
| 12365.0 | -45.58 | 12.5 | 12.3 | -45.78 | -13 | 32.78 | H |
| 16706.4 | -36.6  | 15.1 | 12.3 | -39.4  | -13 | 26.40 | V |

**RSE-LTE2-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3818.0          | -46.64     | 6.7       | 7.9      | -45.44            | -13        | 32.44       | V            |
| 5728.4          | -46.13     | 8.5       | 10.2     | -44.43            | -13        | 31.43       | V            |
| 7636.8          | -40.09     | 9.7       | 11.8     | -37.99            | -13        | 24.99       | V            |
| 9546.4          | -49.53     | 10.7      | 12.7     | -47.53            | -13        | 34.53       | H            |
| 13364.6         | -39.42     | 13.7      | 12.3     | -40.82            | -13        | 27.82       | V            |
| 16524.4         | -37.21     | 14.6      | 12.3     | -39.51            | -13        | 26.51       | H            |

**RSE-LTE4-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3421.2          | -43.51     | 6.3       | 7.8      | -42.01            | -13        | 29.01       | V            |
| 5132.4          | -46.4      | 7.9       | 9.4      | -44.9             | -13        | 31.90       | V            |
| 6841.6          | -51.15     | 9.2       | 10.9     | -49.45            | -13        | 36.45       | V            |
| 8553.6          | -36.61     | 10.3      | 12.6     | -34.31            | -13        | 21.31       | V            |
| 11079.8         | -48.1      | 12.1      | 12.3     | -47.9             | -13        | 34.90       | H            |
| 13685.2         | -43.09     | 13.9      | 12.3     | -44.69            | -13        | 31.69       | V            |

**RSE-LTE4-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3464.4          | -44.9      | 6.4       | 7.8      | -43.5             | -13        | 30.50       | V            |
| 5197.6          | -45.23     | 8.0       | 9.4      | -43.83            | -13        | 30.83       | V            |
| 6929.2          | -49.85     | 9.3       | 11.1     | -48.05            | -13        | 35.05       | V            |
| 8662.4          | -32.37     | 10.3      | 12.7     | -29.97            | -13        | 16.97       | V            |
| 11396.2         | -46.15     | 12.1      | 12.3     | -45.95            | -13        | 32.95       | V            |
| 13860.2         | -40.82     | 13.5      | 12.3     | -42.02            | -13        | 29.02       | V            |

**RSE-LTE4-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3508.4          | -45.17     | 6.4       | 7.8      | -43.77            | -13        | 30.77       | V            |
| 5262.4          | -47.15     | 8.0       | 9.4      | -45.75            | -13        | 32.75       | V            |
| 7016.0          | -48.25     | 9.3       | 11.1     | -46.45            | -13        | 33.45       | V            |
| 8771.2          | -37.14     | 10.4      | 12.7     | -34.84            | -13        | 21.84       | V            |
| 11243.6         | -47.46     | 12.1      | 12.3     | -47.26            | -13        | 34.26       | H            |
| 14033.8         | -41.07     | 13.7      | 12.3     | -42.47            | -13        | 29.47       | V            |

**RSE-LTE5-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1649.0          | -48.61     | 4.2       | 4.7      | -48.11            | -13        | 35.11       | V            |
| 2474.2          | -36.94     | 5.4       | 5.6      | -36.74            | -13        | 23.74       | H            |
| 3590.8          | -53.93     | 6.5       | 7.8      | -52.63            | -13        | 39.63       | V            |
| 4352.0          | -53.19     | 7.2       | 8.9      | -51.49            | -13        | 38.49       | H            |
| 5401.2          | -53.12     | 8.1       | 9.8      | -51.42            | -13        | 38.42       | H            |
| 7421.8          | -51.12     | 9.7       | 11.6     | -49.22            | -13        | 36.22       | V            |

**RSE-LTE5-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1761.5          | -50.59     | 4.5       | 4.7      | -50.39            | -13        | 37.39       | H            |
| 2612.3          | -42.97     | 5.5       | 5.6      | -42.87            | -13        | 29.88       | H            |
| 3563.2          | -52.78     | 6.4       | 7.8      | -51.38            | -13        | 38.38       | H            |
| 4331.6          | -53.62     | 7.2       | 8.9      | -51.92            | -13        | 38.92       | H            |
| 5442.4          | -53.06     | 8.1       | 9.8      | -51.36            | -13        | 38.36       | H            |
| 6605.6          | -52.05     | 9.1       | 10.6     | -50.55            | -13        | 37.55       | V            |

**RSE-LTE5-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|

|        |        |     |      |        |     |       |   |
|--------|--------|-----|------|--------|-----|-------|---|
| 1696.8 | -49.95 | 4.5 | 4.7  | -49.75 | -13 | 36.75 | V |
| 2677.3 | -42.71 | 5.6 | 6.1  | -42.21 | -13 | 29.21 | H |
| 3256.4 | -53.37 | 6.1 | 6.9  | -52.57 | -13 | 39.57 | H |
| 4241.2 | -49.57 | 7.1 | 8.9  | -47.77 | -13 | 34.77 | V |
| 5236.4 | -52.85 | 8.0 | 9.4  | -51.45 | -13 | 38.45 | H |
| 6406.8 | -51.33 | 8.9 | 10.6 | -49.63 | -13 | 36.63 | V |

**RSE-LTE7-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 5004.8          | -46.14     | 7.8       | 9.6      | -44.34            | -25        | 19.34       | V            |
| 7506.4          | -38.32     | 9.7       | 11.6     | -36.42            | -25        | 11.42       | V            |
| 10010.0         | -47.77     | 11.2      | 12.5     | -46.47            | -25        | 21.47       | V            |
| 12510.2         | -43.25     | 12.7      | 12.3     | -43.65            | -25        | 18.65       | V            |
| 15016.2         | -35.68     | 14.4      | 12.3     | -37.78            | -25        | 12.78       | V            |
| 17518.8         | -32.02     | 15.1      | 12.3     | -34.82            | -25        | 9.82        | V            |

**RSE-LTE7-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 5070.0          | -43.15     | 7.8       | 9.6      | -41.35            | -25        | 16.35       | V            |
| 7604.4          | -38.61     | 9.7       | 11.6     | -36.71            | -25        | 11.71       | V            |
| 10140.0         | -48.12     | 11.3      | 12.5     | -46.92            | -25        | 21.92       | V            |
| 12673.0         | -42.58     | 12.7      | 12.3     | -42.98            | -25        | 17.98       | H            |
| 15212.2         | -33.25     | 14.5      | 12.3     | -35.45            | -25        | 10.45       | V            |
| 17746.2         | -29.64     | 15.8      | 12.3     | -33.14            | -25        | 8.14        | V            |

**RSE-LTE7-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 5135.2          | -43.63     | 7.9       | 9.4      | -42.13            | -25        | 17.13       | V            |
| 7703.6          | -37.52     | 9.8       | 11.8     | -35.52            | -25        | 10.52       | V            |

|         |        |      |      |        |     |       |   |
|---------|--------|------|------|--------|-----|-------|---|
| 10271.6 | -46.09 | 11.5 | 12.3 | -45.29 | -25 | 20.29 | V |
| 12835.8 | -40.68 | 12.5 | 12.3 | -40.88 | -25 | 15.88 | H |
| 15404.8 | -27.82 | 14.4 | 12.3 | -29.92 | -25 | 4.92  | V |
| 17973.8 | -22.77 | 16.4 | 12.3 | -26.87 | -25 | 1.87  | V |

**RSE-LTE12-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1536.2          | -53.07     | 4.2       | 5.3      | -51.97            | -13        | 38.97       | H            |
| 2098.8          | -38.05     | 4.9       | 4.5      | -38.45            | -13        | 25.45       | V            |
| 2818.5          | -41.39     | 5.7       | 6.1      | -40.99            | -13        | 27.99       | H            |
| 3497.6          | -52.26     | 6.4       | 7.8      | -50.86            | -13        | 37.86       | V            |
| 5751.2          | -53.76     | 8.5       | 10.2     | -52.06            | -13        | 39.06       | V            |
| 8396.8          | -48.57     | 10.2      | 12.6     | -46.17            | -13        | 33.17       | V            |

**RSE-LTE12-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1414.7          | -51.48     | 4.0       | 5.3      | -50.18            | -13        | 37.18       | H            |
| 2122.3          | -37.99     | 4.9       | 4.5      | -38.39            | -13        | 25.39       | H            |
| 2890.8          | -42.03     | 5.8       | 6.7      | -41.13            | -13        | 28.13       | V            |
| 3635.6          | -53.23     | 6.6       | 7.9      | -51.93            | -13        | 38.93       | H            |
| 5397.6          | -51.96     | 8.1       | 9.8      | -50.26            | -13        | 37.26       | H            |
| 8489.8          | -48.96     | 10.3      | 12.6     | -46.66            | -13        | 33.66       | V            |

**RSE-LTE12-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 2145.0          | -38.4      | 5.0       | 5.1      | -38.3             | -13        | 25.30       | V            |
| 2780.0          | -41.56     | 5.7       | 6.1      | -41.16            | -13        | 28.16       | H            |
| 3577.6          | -52.83     | 6.5       | 7.8      | -51.53            | -13        | 38.53       | V            |
| 4925.6          | -53.42     | 7.7       | 9.6      | -51.52            | -13        | 38.52       | H            |

|        |        |      |      |        |     |       |   |
|--------|--------|------|------|--------|-----|-------|---|
| 6372.4 | -51.7  | 8.8  | 10.3 | -50.2  | -13 | 37.20 | H |
| 8583.7 | -45.87 | 10.3 | 12.6 | -43.57 | -13 | 30.57 | V |

**RSE-LTE13-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1561.1          | -50.92     | 4.2       | 5.3      | -49.82            | -40        | 9.82        | V            |
| 2338.8          | -42.2      | 5.2       | 5.1      | -42.3             | -13        | 29.30       | H            |
| 3117.6          | -53.45     | 6.0       | 6.7      | -52.75            | -13        | 39.75       | H            |
| 3899.2          | -54.49     | 6.8       | 8.6      | -52.69            | -13        | 39.69       | V            |
| 4676.4          | -54.85     | 7.5       | 9.0      | -53.35            | -13        | 40.35       | H            |
| 5456.0          | -52.5      | 8.1       | 9.8      | -50.8             | -13        | 37.80       | V            |

**RSE-LTE13-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1564.9          | -52.65     | 4.2       | 5.3      | -51.55            | -40        | 11.55       | H            |
| 2346.2          | -41.79     | 5.2       | 5.1      | -41.89            | -13        | 28.89       | H            |
| 3128.0          | -53.8      | 6.0       | 6.9      | -52.9             | -13        | 39.90       | V            |
| 3910.0          | -56.02     | 6.8       | 8.6      | -54.22            | -13        | 41.22       | H            |
| 4695.6          | -53.86     | 7.5       | 9.0      | -52.36            | -13        | 39.36       | V            |
| 5474.0          | -54.4      | 8.1       | 9.8      | -52.7             | -13        | 39.70       | V            |

**RSE-LTE13-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1571.5          | -51.35     | 4.2       | 5.3      | -50.25            | -40        | 10.25       | H            |
| 2352.3          | -42.01     | 5.2       | 5.1      | -42.11            | -13        | 29.11       | V            |
| 3138.8          | -54.08     | 6.0       | 6.9      | -53.18            | -13        | 40.18       | H            |
| 3923.6          | -55.48     | 6.8       | 8.6      | -53.68            | -13        | 40.68       | V            |
| 4705.6          | -54.04     | 7.5       | 9.0      | -52.54            | -13        | 39.54       | V            |
| 5491.2          | -54.05     | 8.2       | 9.8      | -52.45            | -13        | 39.45       | H            |

**RSE-LTE17-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 2115.4          | -44.18     | 4.9       | 4.5      | -44.58            | -13        | 31.58       | V            |
| 2818.8          | -42.63     | 5.7       | 6.1      | -42.23            | -13        | 29.23       | V            |
| 3622.0          | -53.21     | 6.5       | 7.8      | -51.91            | -13        | 38.91       | V            |
| 4751.6          | -52.66     | 7.5       | 9.0      | -51.16            | -13        | 38.16       | H            |
| 6323.2          | -52.39     | 8.8       | 10.3     | -50.89            | -13        | 37.89       | V            |
| 7872.4          | -52.95     | 9.9       | 11.8     | -51.05            | -13        | 38.05       | V            |

**RSE-LTE17-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 2128.1          | -43.52     | 5.0       | 5.1      | -43.42            | -13        | 30.42       | H            |
| 2806.9          | -40.79     | 5.7       | 6.1      | -40.39            | -13        | 27.39       | H            |
| 3931.2          | -52.97     | 6.8       | 8.6      | -51.17            | -13        | 38.17       | H            |
| 4923.6          | -52.44     | 7.7       | 9.6      | -50.54            | -13        | 37.54       | H            |
| 6171.6          | -52.54     | 8.7       | 10.3     | -50.94            | -13        | 37.94       | V            |
| 7903.6          | -52.22     | 9.9       | 12.2     | -49.92            | -13        | 36.92       | H            |

**RSE-LTE17-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1427.5          | -53.43     | 4.1       | 5.3      | -52.23            | -13        | 39.23       | H            |
| 2141.2          | -45.26     | 5.0       | 5.1      | -45.16            | -13        | 32.16       | V            |
| 2840.4          | -41.51     | 5.8       | 6.1      | -41.21            | -13        | 28.21       | H            |
| 3552.0          | -53.87     | 6.4       | 7.8      | -52.47            | -13        | 39.47       | V            |
| 4270.4          | -54.49     | 7.1       | 8.9      | -52.69            | -13        | 39.69       | H            |
| 4977.2          | -52.91     | 7.8       | 9.6      | -51.11            | -13        | 38.11       | H            |

**RSE-LTE25-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|

|         |        |      |      |        |     |       |   |
|---------|--------|------|------|--------|-----|-------|---|
| 3701.2  | -47.04 | 6.6  | 7.9  | -45.74 | -13 | 32.74 | V |
| 5552.4  | -48.57 | 8.2  | 9.8  | -46.97 | -13 | 33.97 | V |
| 7402.4  | -42.01 | 9.7  | 11.6 | -40.11 | -13 | 27.11 | V |
| 9253.6  | -44.75 | 10.7 | 12.7 | -42.75 | -13 | 29.75 | V |
| 11005.6 | -48.93 | 12.0 | 12.3 | -48.63 | -13 | 35.63 | V |
| 12955.8 | -43.13 | 13.2 | 12.3 | -44.03 | -13 | 31.03 | V |

**RSE-LTE25-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3764.8          | -47.91     | 6.6       | 7.9      | -46.61            | -13        | 33.61       | V            |
| 5648.0          | -48.08     | 8.3       | 10.2     | -46.18            | -13        | 33.19       | V            |
| 7529.6          | -43.09     | 9.7       | 11.6     | -41.19            | -13        | 28.19       | V            |
| 9411.6          | -48.23     | 10.7      | 12.7     | -46.23            | -13        | 33.23       | V            |
| 11295.4         | -47.61     | 12.1      | 12.3     | -47.41            | -13        | 34.41       | V            |
| 13175.6         | -46.41     | 13.0      | 12.3     | -47.11            | -13        | 34.11       | H            |

**RSE-LTE25-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3828.4          | -47.12     | 6.7       | 7.9      | -45.92            | -13        | 32.92       | V            |
| 5743.2          | -48.35     | 8.5       | 10.2     | -46.65            | -13        | 33.65       | V            |
| 7656.8          | -42.05     | 9.7       | 11.8     | -39.95            | -13        | 26.95       | V            |
| 9571.6          | -49.94     | 10.8      | 12.7     | -48.04            | -13        | 35.04       | V            |
| 11485.8         | -46.77     | 12.3      | 12.3     | -46.77            | -13        | 33.77       | V            |
| 13399.6         | -40.63     | 13.7      | 12.3     | -42.03            | -13        | 29.03       | V            |

**RSE-LTE26-L-830.3**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1660.8          | -47.71     | 4.5       | 4.7      | -47.51            | -13        | 34.51       | V            |
| 2490.8          | -36.97     | 5.4       | 5.6      | -36.77            | -13        | 23.77       | V            |

|        |        |     |      |        |     |       |   |
|--------|--------|-----|------|--------|-----|-------|---|
| 3320.8 | -52.22 | 6.2 | 6.9  | -51.52 | -13 | 38.52 | H |
| 4151.6 | -52.17 | 7.0 | 8.9  | -50.27 | -13 | 37.27 | H |
| 4981.6 | -55.34 | 7.8 | 9.6  | -53.54 | -13 | 40.54 | H |
| 5812.4 | -54.38 | 8.4 | 10.2 | -52.58 | -13 | 39.58 | H |

**RSE-LTE26-M-836.5**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1673.6          | -48.54     | 4.5       | 4.7      | -48.34            | -13        | 35.34       | V            |
| 2509.6          | -33.53     | 5.4       | 5.6      | -33.33            | -13        | 20.33       | V            |
| 3345.2          | -53.71     | 6.2       | 6.9      | -53.01            | -13        | 40.01       | H            |
| 4182.0          | -46.28     | 7.0       | 8.9      | -44.38            | -13        | 31.38       | V            |
| 5013.6          | -53.25     | 7.8       | 9.6      | -51.45            | -13        | 38.45       | H            |
| 5859.2          | -54.09     | 8.4       | 10.2     | -52.29            | -13        | 39.29       | H            |

**RSE-LTE26-H-842.8**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1685.7          | -48.68     | 4.5       | 4.7      | -48.48            | -13        | 35.48       | H            |
| 2528.5          | -36.6      | 5.4       | 5.6      | -36.4             | -13        | 23.40       | V            |
| 3372.4          | -53.97     | 6.2       | 6.9      | -53.27            | -13        | 40.27       | H            |
| 4214.0          | -50.77     | 7.0       | 8.9      | -48.87            | -13        | 35.87       | V            |
| 5057.6          | -52.4      | 7.8       | 9.6      | -50.6             | -13        | 37.60       | H            |
| 5899.2          | -53.44     | 8.5       | 10.2     | -51.74            | -13        | 38.74       | V            |

**RSE-LTE38-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 4312.4          | -50.82     | 7.1       | 8.9      | -49.02            | -25        | 24.02       | H            |
| 5142.0          | -44.14     | 7.9       | 9.4      | -42.64            | -25        | 17.64       | V            |
| 6495.2          | -48.48     | 9.0       | 10.6     | -46.88            | -25        | 21.88       | V            |
| 7716.4          | -35.01     | 9.8       | 11.8     | -33.01            | -25        | 8.01        | V            |

|         |        |      |      |        |     |      |   |
|---------|--------|------|------|--------|-----|------|---|
| 11483.0 | -31.38 | 12.3 | 12.3 | -31.38 | -25 | 6.38 | V |
| 15432.8 | -31.73 | 14.4 | 12.3 | -33.83 | -25 | 8.83 | V |

**RSE-LTE38-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3930.4          | -52        | 6.8       | 8.6      | -50.2             | -25        | 25.20       | H            |
| 5192.4          | -43.38     | 8.0       | 9.4      | -41.98            | -25        | 16.98       | V            |
| 7784.8          | -34.91     | 9.9       | 11.8     | -33.01            | -25        | 8.01        | V            |
| 10362.4         | -43.68     | 11.6      | 12.3     | -42.98            | -25        | 17.98       | V            |
| 12902.2         | -40.39     | 13.0      | 12.3     | -41.09            | -25        | 16.09       | H            |
| 15572.8         | -32.12     | 14.6      | 12.3     | -34.42            | -25        | 9.42        | V            |

**RSE-LTE38-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3973.2          | -50.96     | 6.8       | 8.6      | -49.16            | -25        | 24.16       | V            |
| 5235.6          | -45.03     | 8.0       | 9.4      | -43.63            | -25        | 18.63       | V            |
| 7852.4          | -34.15     | 9.9       | 11.8     | -32.25            | -25        | 7.25        | V            |
| 10766.4         | -44.45     | 11.7      | 12.3     | -43.85            | -25        | 18.85       | V            |
| 13472.8         | -38.66     | 13.7      | 12.3     | -40.06            | -25        | 15.06       | H            |
| 15705.8         | -31.15     | 14.5      | 12.3     | -33.35            | -25        | 8.35        | V            |

**RSE-LTE41-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 5075.2          | -44.81     | 7.9       | 9.6      | -43.11            | -25        | 18.11       | V            |
| 7616.0          | -38.98     | 9.7       | 11.6     | -37.08            | -25        | 12.08       | V            |
| 9749.6          | -46.59     | 10.9      | 12.7     | -44.79            | -25        | 19.79       | H            |
| 12730.8         | -41.36     | 12.7      | 12.3     | -41.76            | -25        | 16.76       | H            |
| 15226.2         | -31.09     | 14.5      | 12.3     | -33.29            | -25        | 8.29        | V            |
| 17760.2         | -28.09     | 16.0      | 12.3     | -31.79            | -25        | 6.79        | V            |

**RSE-LTE41-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 5188.4          | -42.51     | 8.0       | 9.4      | -41.11            | -25        | 16.11       | V            |
| 7775.2          | -36.93     | 9.9       | 11.8     | -35.03            | -25        | 10.03       | V            |
| 10171.6         | -45.41     | 11.3      | 12.5     | -44.21            | -25        | 19.21       | V            |
| 12928.5         | -39.85     | 13.0      | 12.3     | -40.55            | -25        | 15.55       | H            |
| 15557.0         | -31.19     | 14.6      | 12.3     | -33.49            | -25        | 8.49        | V            |
| 17982.5         | -28.46     | 16.4      | 12.3     | -32.56            | -25        | 7.56        | V            |

**RSE-LTE41-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 5307.6          | -44.29     | 8.0       | 9.4      | -42.89            | -25        | 17.89       | V            |
| 6586.0          | -49.51     | 9.1       | 10.6     | -48.01            | -25        | 23.01       | H            |
| 7961.2          | -33.25     | 9.8       | 12.2     | -30.85            | -25        | 5.85        | V            |
| 10399.6         | -44.77     | 11.6      | 12.3     | -44.07            | -25        | 19.07       | H            |
| 12947.8         | -40.59     | 13.0      | 12.3     | -41.29            | -25        | 16.29       | V            |
| 15996.2         | -32.31     | 15.0      | 12.3     | -35.01            | -25        | 10.01       | H            |

**RSE-LTE41-L-2502.5MHZ(Note 1)**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3600.4          | -51.51     | 6.5       | 7.8      | -50.21            | -25        | 25.21       | V            |
| 5004.8          | -44.29     | 7.8       | 9.6      | -42.49            | -25        | 17.49       | H            |
| 7502.8          | -41.38     | 9.7       | 11.6     | -39.48            | -25        | 14.48       | H            |
| 10005.6         | -42.28     | 11.2      | 12.5     | -40.98            | -25        | 15.98       | H            |
| 12676.5         | -41.86     | 12.7      | 12.3     | -42.26            | -25        | 17.26       | H            |
| 15014.5         | -30.44     | 14.4      | 12.3     | -32.54            | -25        | 7.54        | H            |

**RSE-LTE66-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|

|         |        |      |      |        |     |       |   |
|---------|--------|------|------|--------|-----|-------|---|
| 3421.2  | -43.12 | 6.3  | 7.8  | -41.62 | -13 | 28.62 | V |
| 5132.4  | -46.24 | 7.9  | 9.4  | -44.74 | -13 | 31.74 | V |
| 6842.4  | -50.92 | 9.2  | 10.9 | -49.22 | -13 | 36.22 | V |
| 8553.6  | -35.82 | 10.3 | 12.6 | -33.52 | -13 | 20.52 | V |
| 11366.8 | -46.58 | 12.1 | 12.3 | -46.38 | -13 | 33.38 | V |
| 13683.8 | -43.03 | 13.9 | 12.3 | -44.63 | -13 | 31.63 | V |

**RSE-LTE66-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3490.0          | -44.54     | 6.4       | 7.8      | -43.14            | -13        | 30.14       | V            |
| 5235.6          | -45.34     | 8.0       | 9.4      | -43.94            | -13        | 30.94       | V            |
| 6980.4          | -49.36     | 9.3       | 11.1     | -47.56            | -13        | 34.56       | V            |
| 8725.6          | -34.63     | 10.4      | 12.7     | -32.33            | -13        | 19.33       | V            |
| 11506.8         | -45.84     | 12.3      | 12.3     | -45.84            | -13        | 32.84       | V            |
| 13959.6         | -40.69     | 13.7      | 12.3     | -42.09            | -13        | 29.09       | V            |

**RSE-LTE66-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 3559.6          | -45.38     | 6.4       | 7.8      | -43.98            | -13        | 30.98       | H            |
| 5340.0          | -46.24     | 8.1       | 9.4      | -44.94            | -13        | 31.94       | V            |
| 7119.2          | -45.62     | 9.4       | 11.1     | -43.92            | -13        | 30.92       | V            |
| 8899.6          | -37.32     | 10.4      | 12.6     | -35.12            | -13        | 22.12       | V            |
| 11749.0         | -47.22     | 12.4      | 12.3     | -47.32            | -13        | 34.32       | H            |
| 14239.6         | -37.03     | 13.7      | 12.3     | -38.43            | -13        | 25.43       | V            |

**RSE-LTE71-L**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1324.3          | -53.22     | 3.9       | 3.0      | -54.12            | -13        | 41.12       | H            |
| 2001.2          | -45.58     | 4.8       | 4.5      | -45.88            | -13        | 32.88       | H            |

|        |        |     |     |        |     |       |   |
|--------|--------|-----|-----|--------|-----|-------|---|
| 2658.8 | -41.88 | 5.5 | 6.1 | -41.28 | -13 | 28.28 | H |
| 3386.4 | -53.62 | 6.3 | 7.8 | -52.12 | -13 | 39.12 | H |
| 4474.0 | -52.32 | 7.3 | 8.7 | -50.92 | -13 | 37.92 | H |
| 5491.6 | -52.34 | 8.2 | 9.8 | -50.74 | -13 | 37.74 | V |

**RSE-LTE71-M**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1364.5          | -48.16     | 3.9       | 3.0      | -49.06            | -13        | 36.06       | H            |
| 2045.4          | -47.7      | 4.8       | 4.5      | -48               | -13        | 35.00       | V            |
| 2702.7          | -42.91     | 5.6       | 6.1      | -42.41            | -13        | 29.41       | V            |
| 3334.8          | -52.31     | 6.2       | 6.9      | -51.61            | -13        | 38.61       | V            |
| 4066.0          | -53.2      | 6.9       | 8.6      | -51.5             | -13        | 38.50       | H            |
| 4750.4          | -53.03     | 7.5       | 9.0      | -51.53            | -13        | 38.53       | H            |

**RSE-LTE71-H**

| Frequency (MHz) | PMea (dBm) | Pcl (dBm) | Ga (dBd) | Test Result (dBm) | Limit(dBm) | Margin(dBm) | Polarization |
|-----------------|------------|-----------|----------|-------------------|------------|-------------|--------------|
| 1499.8          | -51.99     | 4.1       | 5.3      | -50.79            | -13        | 37.79       | H            |
| 2086.5          | -47.1      | 4.9       | 4.5      | -47.5             | -13        | 34.50       | H            |
| 2789.6          | -41.53     | 5.7       | 6.1      | -41.13            | -13        | 28.13       | V            |
| 3571.6          | -52.96     | 6.4       | 7.8      | -51.56            | -13        | 38.56       | V            |
| 4382.4          | -52.62     | 7.3       | 8.7      | -51.22            | -13        | 38.22       | H            |
| 5159.2          | -52.45     | 7.9       | 9.4      | -50.95            | -13        | 37.95       | H            |

Note 1: This frequency range is only applicable for IC certification.

## 6.3 Frequency Stability

### 6.3.1 Measurement Limit

FCC §2.1055 The frequency stability shall be measured with variation of ambient temperature as follows:

(1) From  $-30^{\circ}$  to  $+50^{\circ}$  centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.

(2) From  $-20^{\circ}$  to  $+50^{\circ}$  centigrade for equipment to be licensed for use in the Maritime Services under part 80 of this chapter, except for Class A, B, and S Emergency Position Indicating Radiobeacons (EPIRBS), and equipment to be licensed for use above 952 MHz at operational fixed stations in all services, stations in the Local Television Transmission Service and Point-to-Point Microwave Radio Service under part 21 of this chapter, equipment licensed for use aboard aircraft in the Aviation Services under part 87 of this chapter, and equipment authorized for use in the Family Radio Service under part 95 of this chapter.

FCC §24.235 Frequency stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

FCC §22.355 Frequency tolerance. Except as otherwise provided in this part, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section.

FCC §27.54 The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

RSS-133 5.4, RSS-132 5.3 RSS-139 5.4, RSS 130 4.5, RSS-199 5.4 The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

### 6.3.2 Method of Measurement

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of R&S CMW500 DIGITAL RADIO COMMUNICATION TESTER.

1. Measure the carrier frequency at room temperature.

2. Subject the EUT to overnight soak at  $-30^{\circ}\text{C}$ .

3. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on middle channel for LTE band 7. Measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.

4. Repeat the above measurements at  $10^{\circ}\text{C}$  increments from  $-30^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ . Allow at least 1.5 hours at each temperature, unpowered, before making measurements.

5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1V increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.

6. Subject the EUT to overnight soak at  $+50^{\circ}\text{C}$ .

7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.

8. Repeat the above measurements at  $10^{\circ}\text{C}$  decrements from  $+50^{\circ}\text{C}$  to  $-30^{\circ}\text{C}$ . Allow at least 1.5 hours at each temperature, unpowered, before making measurements.

9. At all temperature levels hold the temperature to  $\pm 0.5^{\circ}\text{C}$  during the measurement procedure.

### 6.3.3 Test Setup



### 6.3.4 Measurement results

| Temperature | Voltage | Band  | Band Width (MHz) | Rb Mode | QPSK (Hz) | 16QAM (Hz) | QPSK (ppm) | 16QAM (ppm) |
|-------------|---------|-------|------------------|---------|-----------|------------|------------|-------------|
| Normal      | Low     | FDD02 | 1.4              | fullRB  | -8.156    | -32.204    | 0.004      | 0.017       |
| Normal      | Normal  | FDD02 | 1.4              | fullRB  | -22.585   | -32.705    | 0.012      | 0.017       |
| Normal      | High    | FDD02 | 1.4              | fullRB  | -16.243   | -33.817    | 0.009      | 0.018       |
| 50          | Normal  | FDD02 | 1.4              | fullRB  | -13.798   | -16.617    | 0.007      | 0.009       |
| 40          | Normal  | FDD02 | 1.4              | fullRB  | -5.546    | -40.187    | 0.003      | 0.021       |
| 30          | Normal  | FDD02 | 1.4              | fullRB  | -18.396   | -35.236    | 0.01       | 0.019       |
| 20          | Normal  | FDD02 | 1.4              | fullRB  | 4.436     | -30.997    | 0.002      | 0.016       |
| 10          | Normal  | FDD02 | 1.4              | fullRB  | -20.435   | -25.619    | 0.011      | 0.014       |
| 0           | Normal  | FDD02 | 1.4              | fullRB  | -12.262   | -31.068    | 0.007      | 0.017       |
| -10         | Normal  | FDD02 | 1.4              | fullRB  | -18.837   | -30.952    | 0.01       | 0.016       |
| -20         | Normal  | FDD02 | 1.4              | fullRB  | -13.41    | -29.93     | 0.007      | 0.016       |
| -30         | Normal  | FDD02 | 1.4              | fullRB  | 6.029     | -31.377    | 0.003      | 0.017       |
| Normal      | Low     | FDD04 | 1.4              | fullRB  | 47.152    | -14.758    | 0.027      | 0.009       |
| Normal      | Normal  | FDD04 | 1.4              | fullRB  | -7.74     | -11.396    | 0.004      | 0.007       |
| Normal      | High    | FDD04 | 1.4              | fullRB  | -13.014   | -13.399    | 0.008      | 0.008       |
| 50          | Normal  | FDD04 | 1.4              | fullRB  | -12.689   | 13.9       | 0.007      | 0.008       |
| 40          | Normal  | FDD04 | 1.4              | fullRB  | -5.865    | 19.844     | 0.003      | 0.011       |
| 30          | Normal  | FDD04 | 1.4              | fullRB  | -12.998   | 16.073     | 0.008      | 0.009       |
| 20          | Normal  | FDD04 | 1.4              | fullRB  | 7.197     | 12.409     | 0.004      | 0.007       |

|        |        |       |     |        |         |         |       |       |
|--------|--------|-------|-----|--------|---------|---------|-------|-------|
| 10     | Normal | FDD04 | 1.4 | fullRB | -13.913 | -14.031 | 0.008 | 0.008 |
| 0      | Normal | FDD04 | 1.4 | fullRB | -12.843 | -14.697 | 0.007 | 0.008 |
| -10    | Normal | FDD04 | 1.4 | fullRB | -6.929  | -12.548 | 0.004 | 0.007 |
| -20    | Normal | FDD04 | 1.4 | fullRB | -14.718 | 8.874   | 0.008 | 0.005 |
| -30    | Normal | FDD04 | 1.4 | fullRB | -10.265 | -16.056 | 0.006 | 0.009 |
| Normal | Low    | FDD05 | 1.4 | fullRB | -10.406 | -25.65  | 0.012 | 0.031 |
| Normal | Normal | FDD05 | 1.4 | fullRB | -10.64  | -21.383 | 0.013 | 0.026 |
| Normal | High   | FDD05 | 1.4 | fullRB | -12.247 | -15.246 | 0.015 | 0.018 |
| 50     | Normal | FDD05 | 1.4 | fullRB | -11.545 | -29.919 | 0.014 | 0.036 |
| 40     | Normal | FDD05 | 1.4 | fullRB | -8.873  | -26.569 | 0.011 | 0.032 |
| 30     | Normal | FDD05 | 1.4 | fullRB | -13.104 | -28.241 | 0.016 | 0.034 |
| 20     | Normal | FDD05 | 1.4 | fullRB | -11.201 | -27.054 | 0.013 | 0.032 |
| 10     | Normal | FDD05 | 1.4 | fullRB | -6.431  | -28.099 | 0.008 | 0.034 |
| 0      | Normal | FDD05 | 1.4 | fullRB | -7.675  | -26.204 | 0.009 | 0.031 |
| -10    | Normal | FDD05 | 1.4 | fullRB | -9.056  | -26.375 | 0.011 | 0.032 |
| -20    | Normal | FDD05 | 1.4 | fullRB | -9.259  | -22     | 0.011 | 0.026 |
| -30    | Normal | FDD05 | 1.4 | fullRB | -8.223  | -23.582 | 0.01  | 0.028 |
| Normal | Low    | FDD07 | 5   | fullRB | -14.28  | 21.125  | 0.006 | 0.008 |
| Normal | Normal | FDD07 | 5   | fullRB | -14.08  | 22.484  | 0.006 | 0.009 |
| Normal | High   | FDD07 | 5   | fullRB | 4.759   | -21.516 | 0.002 | 0.008 |
| 50     | Normal | FDD07 | 5   | fullRB | -22.821 | 22.346  | 0.009 | 0.009 |
| 40     | Normal | FDD07 | 5   | fullRB | -24.106 | -13.926 | 0.01  | 0.005 |
| 30     | Normal | FDD07 | 5   | fullRB | 9.264   | 10.106  | 0.004 | 0.004 |
| 20     | Normal | FDD07 | 5   | fullRB | -23.816 | 24.443  | 0.009 | 0.01  |
| 10     | Normal | FDD07 | 5   | fullRB | -21.166 | -13.986 | 0.008 | 0.006 |
| 0      | Normal | FDD07 | 5   | fullRB | -17.924 | 24.173  | 0.007 | 0.01  |
| -10    | Normal | FDD07 | 5   | fullRB | -14.706 | 18.384  | 0.006 | 0.007 |
| -20    | Normal | FDD07 | 5   | fullRB | -19.474 | 17.149  | 0.008 | 0.007 |
| -30    | Normal | FDD07 | 5   | fullRB | -15.556 | -24.436 | 0.006 | 0.01  |
| Normal | Low    | FDD12 | 1.4 | fullRB | -8.815  | -5.759  | 0.012 | 0.008 |

|        |        |       |     |        |         |         |       |       |
|--------|--------|-------|-----|--------|---------|---------|-------|-------|
| Normal | Normal | FDD12 | 1.4 | fullRB | -13.19  | -9.137  | 0.019 | 0.013 |
| Normal | High   | FDD12 | 1.4 | fullRB | -6.467  | -13.627 | 0.009 | 0.019 |
| 50     | Normal | FDD12 | 1.4 | fullRB | -12.859 | -14.534 | 0.018 | 0.021 |
| 40     | Normal | FDD12 | 1.4 | fullRB | -11.267 | 7.12    | 0.016 | 0.01  |
| 30     | Normal | FDD12 | 1.4 | fullRB | -2.02   | -11.984 | 0.003 | 0.017 |
| 20     | Normal | FDD12 | 1.4 | fullRB | -11.339 | -12.393 | 0.016 | 0.018 |
| 10     | Normal | FDD12 | 1.4 | fullRB | -9.103  | -7.037  | 0.013 | 0.01  |
| 0      | Normal | FDD12 | 1.4 | fullRB | 3.508   | -10.762 | 0.005 | 0.015 |
| -10    | Normal | FDD12 | 1.4 | fullRB | -10.733 | -12.348 | 0.015 | 0.017 |
| -20    | Normal | FDD12 | 1.4 | fullRB | -9.238  | 9.399   | 0.013 | 0.013 |
| -30    | Normal | FDD12 | 1.4 | fullRB | -10.627 | 10.908  | 0.015 | 0.015 |
| Normal | Low    | FDD13 | 5   | fullRB | -8.002  | -11.167 | 0.01  | 0.014 |
| Normal | Normal | FDD13 | 5   | fullRB | -9.686  | -15.086 | 0.012 | 0.019 |
| Normal | High   | FDD13 | 5   | fullRB | -15.518 | -13.906 | 0.02  | 0.018 |
| 50     | Normal | FDD13 | 5   | fullRB | -8.595  | -11.852 | 0.011 | 0.015 |
| 40     | Normal | FDD13 | 5   | fullRB | -4.857  | -11.478 | 0.006 | 0.015 |
| 30     | Normal | FDD13 | 5   | fullRB | -8.996  | -10.765 | 0.012 | 0.014 |
| 20     | Normal | FDD13 | 5   | fullRB | -11.09  | -19.025 | 0.014 | 0.024 |
| 10     | Normal | FDD13 | 5   | fullRB | -10.363 | -10.664 | 0.013 | 0.014 |
| 0      | Normal | FDD13 | 5   | fullRB | -12.157 | -15.48  | 0.016 | 0.02  |
| -10    | Normal | FDD13 | 5   | fullRB | -6.833  | -9.767  | 0.009 | 0.012 |
| -20    | Normal | FDD13 | 5   | fullRB | -7.892  | -11.945 | 0.01  | 0.015 |
| -30    | Normal | FDD13 | 5   | fullRB | -10.177 | 9.981   | 0.013 | 0.013 |
| Normal | Low    | FDD17 | 5   | fullRB | -10.725 | -12.117 | 0.015 | 0.017 |
| Normal | Normal | FDD17 | 5   | fullRB | -9.615  | -12.523 | 0.014 | 0.018 |
| Normal | High   | FDD17 | 5   | fullRB | -13.853 | -12.369 | 0.02  | 0.017 |
| 50     | Normal | FDD17 | 5   | fullRB | -7.508  | -9.833  | 0.011 | 0.014 |
| 40     | Normal | FDD17 | 5   | fullRB | -7.532  | -12.888 | 0.011 | 0.018 |
| 30     | Normal | FDD17 | 5   | fullRB | -8.84   | -12.238 | 0.012 | 0.017 |
| 20     | Normal | FDD17 | 5   | fullRB | -10.657 | -8.319  | 0.015 | 0.012 |

|        |        |                    |     |        |         |         |       |       |
|--------|--------|--------------------|-----|--------|---------|---------|-------|-------|
| 10     | Normal | FDD17              | 5   | fullRB | -6.196  | -11.477 | 0.009 | 0.016 |
| 0      | Normal | FDD17              | 5   | fullRB | -7.586  | -11.37  | 0.011 | 0.016 |
| -10    | Normal | FDD17              | 5   | fullRB | -9.758  | -9.283  | 0.014 | 0.013 |
| -20    | Normal | FDD17              | 5   | fullRB | -7.604  | -11.824 | 0.011 | 0.017 |
| -30    | Normal | FDD17              | 5   | fullRB | -9.616  | -10.593 | 0.014 | 0.015 |
| Normal | Low    | FDD25              | 1.4 | fullRB | -16.395 | -22.582 | 0.009 | 0.012 |
| Normal | Normal | FDD25              | 1.4 | fullRB | -18.506 | -15.152 | 0.01  | 0.008 |
| Normal | High   | FDD25              | 1.4 | fullRB | -19.576 | -23.104 | 0.01  | 0.012 |
| 50     | Normal | FDD25              | 1.4 | fullRB | -15.387 | -20.593 | 0.008 | 0.011 |
| 40     | Normal | FDD25              | 1.4 | fullRB | -3.577  | 11.417  | 0.002 | 0.006 |
| 30     | Normal | FDD25              | 1.4 | fullRB | -21.691 | 17.816  | 0.012 | 0.009 |
| 20     | Normal | FDD25              | 1.4 | fullRB | 3.002   | -19.387 | 0.002 | 0.01  |
| 10     | Normal | FDD25              | 1.4 | fullRB | -10.394 | -18.328 | 0.006 | 0.01  |
| 0      | Normal | FDD25              | 1.4 | fullRB | -18.318 | -26.285 | 0.01  | 0.014 |
| -10    | Normal | FDD25              | 1.4 | fullRB | -6.769  | 7.468   | 0.004 | 0.004 |
| -20    | Normal | FDD25              | 1.4 | fullRB | -17.218 | 15.034  | 0.009 | 0.008 |
| -30    | Normal | FDD25              | 1.4 | fullRB | -6.784  | -19.912 | 0.004 | 0.011 |
| Normal | Low    | FDD26<br>(PART 22) | 1.4 | fullRB | -10.724 | -23.526 | 0.013 | 0.028 |
| Normal | Normal | FDD26<br>(PART 22) | 1.4 | fullRB | -12.595 | -20.195 | 0.015 | 0.024 |
| Normal | High   | FDD26<br>(PART 22) | 1.4 | fullRB | -10.565 | -25.23  | 0.013 | 0.03  |
| 50     | Normal | FDD26<br>(PART 22) | 1.4 | fullRB | -10.673 | -16.64  | 0.013 | 0.02  |
| 40     | Normal | FDD26<br>(PART 22) | 1.4 | fullRB | -12.049 | -20.581 | 0.014 | 0.025 |
| 30     | Normal | FDD26<br>(PART 22) | 1.4 | fullRB | -10.059 | -22.942 | 0.012 | 0.027 |
| 20     | Normal | FDD26<br>(PART 22) | 1.4 | fullRB | -13.093 | -24.158 | 0.016 | 0.029 |
| 10     | Normal | FDD26<br>(PART 22) | 1.4 | fullRB | -13.315 | -24.464 | 0.016 | 0.029 |
| 0      | Normal | FDD26<br>(PART 22) | 1.4 | fullRB | -13.361 | -23.721 | 0.016 | 0.028 |
| -10    | Normal | FDD26<br>(PART 22) | 1.4 | fullRB | -11.006 | -15.757 | 0.013 | 0.019 |
| -20    | Normal | FDD26<br>(PART 22) | 1.4 | fullRB | -5.591  | -25.199 | 0.007 | 0.03  |

|        |        |                    |     |        |         |         |       |       |
|--------|--------|--------------------|-----|--------|---------|---------|-------|-------|
| -30    | Normal | FDD26<br>(PART 22) | 1.4 | fullRB | -6.043  | -21.069 | 0.007 | 0.025 |
| Normal | Low    | TDD38              | 5   | fullRB | -18.636 | -28.199 | 0.007 | 0.011 |
| Normal | Normal | TDD38              | 5   | fullRB | -36.669 | -26.83  | 0.014 | 0.01  |
| Normal | High   | TDD38              | 5   | fullRB | -31.012 | -30.208 | 0.012 | 0.012 |
| 50     | Normal | TDD38              | 5   | fullRB | -15.079 | -33.303 | 0.006 | 0.013 |
| 40     | Normal | TDD38              | 5   | fullRB | -13.328 | -32.143 | 0.005 | 0.012 |
| 30     | Normal | TDD38              | 5   | fullRB | -22.008 | -24.056 | 0.008 | 0.009 |
| 20     | Normal | TDD38              | 5   | fullRB | -22.63  | -28.958 | 0.009 | 0.011 |
| 10     | Normal | TDD38              | 5   | fullRB | -5.083  | -15.042 | 0.002 | 0.006 |
| 0      | Normal | TDD38              | 5   | fullRB | -21.686 | -29.163 | 0.008 | 0.011 |
| -10    | Normal | TDD38              | 5   | fullRB | -19.477 | -33.513 | 0.008 | 0.013 |
| -20    | Normal | TDD38              | 5   | fullRB | -19.989 | -25.519 | 0.008 | 0.01  |
| -30    | Normal | TDD38              | 5   | fullRB | -6.579  | -28.803 | 0.003 | 0.011 |
| Normal | Low    | TDD41              | 5   | fullRB | -18.783 | -28.61  | 0.007 | 0.011 |
| Normal | Normal | TDD41              | 5   | fullRB | -24.076 | -28.424 | 0.009 | 0.011 |
| Normal | High   | TDD41              | 5   | fullRB | -17.767 | -22.116 | 0.007 | 0.009 |
| 50     | Normal | TDD41              | 5   | fullRB | -25.406 | -17.252 | 0.01  | 0.007 |
| 40     | Normal | TDD41              | 5   | fullRB | -31.128 | -15.793 | 0.012 | 0.006 |
| 30     | Normal | TDD41              | 5   | fullRB | -19.798 | -29.597 | 0.008 | 0.011 |
| 20     | Normal | TDD41              | 5   | fullRB | -20.185 | -25.62  | 0.008 | 0.01  |
| 10     | Normal | TDD41              | 5   | fullRB | -15.85  | -27.852 | 0.006 | 0.011 |
| 0      | Normal | TDD41              | 5   | fullRB | 4.892   | -30.527 | 0.002 | 0.012 |
| -10    | Normal | TDD41              | 5   | fullRB | 6.709   | -32.501 | 0.003 | 0.013 |
| -20    | Normal | TDD41              | 5   | fullRB | -22.573 | -34.518 | 0.009 | 0.013 |
| -30    | Normal | TDD41              | 5   | fullRB | -16.551 | -36.035 | 0.006 | 0.014 |
| Normal | Low    | FDD66              | 1.4 | fullRB | -12.524 | -15.9   | 0.007 | 0.009 |
| Normal | Normal | FDD66              | 1.4 | fullRB | -10.178 | -16.16  | 0.006 | 0.009 |
| Normal | High   | FDD66              | 1.4 | fullRB | -3.928  | 11.663  | 0.002 | 0.007 |
| 50     | Normal | FDD66              | 1.4 | fullRB | -14.531 | -26.536 | 0.008 | 0.015 |

|        |        |       |     |        |         |         |         |       |
|--------|--------|-------|-----|--------|---------|---------|---------|-------|
| 40     | Normal | FDD66 | 1.4 | fullRB | -12.91  | -26.482 | 0.007   | 0.015 |
| 30     | Normal | FDD66 | 1.4 | fullRB | -12.126 | -22.636 | 0.007   | 0.013 |
| 20     | Normal | FDD66 | 1.4 | fullRB | -1.89   | -24.08  | 0.001   | 0.014 |
| 10     | Normal | FDD66 | 1.4 | fullRB | 4.442   | -26.695 | 0.003   | 0.015 |
| 0      | Normal | FDD66 | 1.4 | fullRB | -13.832 | -19.11  | 0.008   | 0.011 |
| -10    | Normal | FDD66 | 1.4 | fullRB | 8.367   | -27.97  | 0.005   | 0.016 |
| -20    | Normal | FDD66 | 1.4 | fullRB | -11.684 | -15.549 | 0.007   | 0.009 |
| -30    | Normal | FDD66 | 1.4 | fullRB | 7.534   | -25.458 | 0.004   | 0.015 |
| Normal | Low    | FDD71 | 5   | fullRB | -11.624 | -7.748  | -12.414 | 0.017 |
| Normal | Normal | FDD71 | 5   | fullRB | -5.252  | -9.137  | -10.906 | 0.008 |
| Normal | High   | FDD71 | 5   | fullRB | -12.267 | -7.767  | -10.209 | 0.018 |
| 50     | Normal | FDD71 | 5   | fullRB | -10.476 | -5.462  | -9.391  | 0.015 |
| 40     | Normal | FDD71 | 5   | fullRB | -6.918  | 4.489   | -12.109 | 0.01  |
| 30     | Normal | FDD71 | 5   | fullRB | -12.181 | 9.569   | -11.69  | 0.018 |
| 20     | Normal | FDD71 | 5   | fullRB | -4.135  | -9.303  | -16.048 | 0.006 |
| 10     | Normal | FDD71 | 5   | fullRB | -11.515 | 6.112   | -15.916 | 0.017 |
| 0      | Normal | FDD71 | 5   | fullRB | -10.938 | 5.926   | -5.651  | 0.016 |
| -10    | Normal | FDD71 | 5   | fullRB | -12.631 | -9.297  | -16.832 | 0.019 |
| -20    | Normal | FDD71 | 5   | fullRB | -14.493 | 4.271   | -14.762 | 0.021 |
| -30    | Normal | FDD71 | 5   | fullRB | -9.207  | -4.365  | -11.926 | 0.014 |

## 6.4 Occupied Bandwidth

### 6.4.1 Summary

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated.

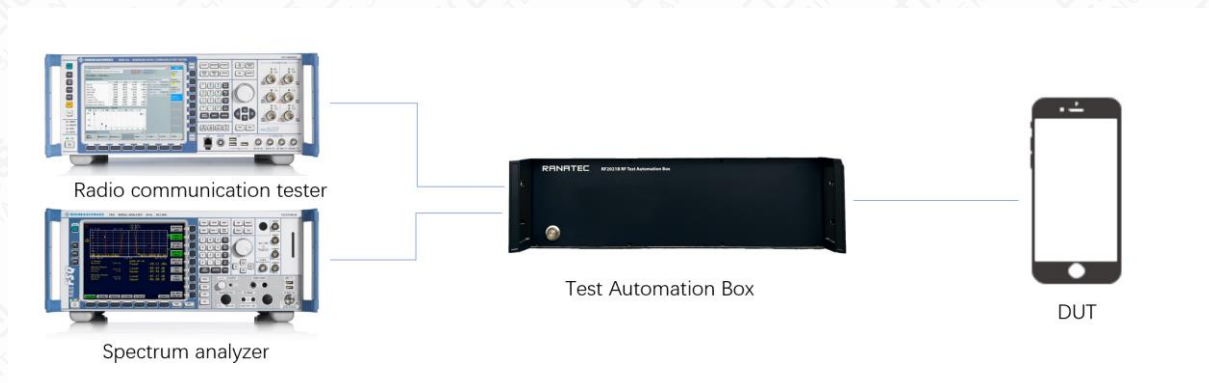
### 6.4.2 Method of Measurement

Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of the US Cellular/PCS frequency bands. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.

The measurement method is from KDB 9711684:

- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the OBW).
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
- Set the detection mode to peak, and the trace mode to max hold.
- Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

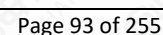
### 6.4.3 Test Setup



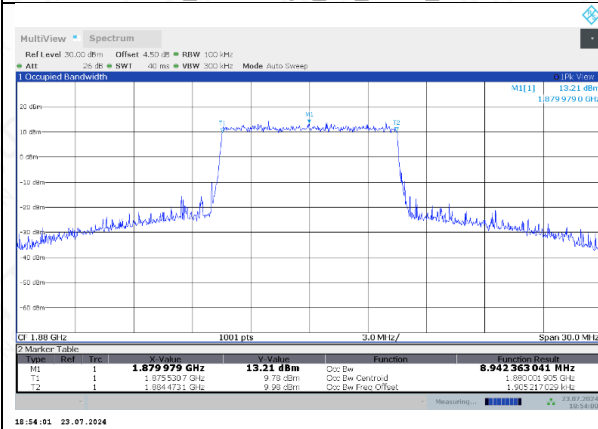
#### 6.4.4 Measurement Results

| Band  | Range    | BandWidth | Frequency(MHz) | QPSK(MHz) | 16QAM(MHz) |
|-------|----------|-----------|----------------|-----------|------------|
| FDD02 | MidRange | 1.4       | 1880           | 1.09      | 1.08       |
| FDD02 | MidRange | 3         | 1880           | 2.68      | 2.68       |
| FDD02 | MidRange | 5         | 1880           | 4.48      | 4.48       |
| FDD02 | MidRange | 10        | 1880           | 8.94      | 8.94       |
| FDD02 | MidRange | 15        | 1880           | 13.42     | 13.43      |
| FDD02 | MidRange | 20        | 1880           | 17.87     | 17.90      |
| FDD04 | MidRange | 1.4       | 1732.5         | 1.09      | 1.08       |
| FDD04 | MidRange | 3         | 1732.5         | 2.69      | 2.68       |
| FDD04 | MidRange | 5         | 1732.5         | 4.48      | 4.48       |
| FDD04 | MidRange | 10        | 1732.5         | 8.95      | 8.95       |
| FDD04 | MidRange | 15        | 1732.5         | 13.41     | 13.44      |
| FDD04 | MidRange | 20        | 1732.5         | 17.87     | 17.88      |
| FDD05 | MidRange | 1.4       | 836.5          | 1.08      | 1.09       |
| FDD05 | MidRange | 3         | 836.5          | 2.68      | 2.68       |
| FDD05 | MidRange | 5         | 836.5          | 4.48      | 4.47       |
| FDD05 | MidRange | 10        | 836.5          | 8.94      | 8.94       |
| FDD07 | MidRange | 5         | 2535           | 4.48      | 4.47       |
| FDD07 | MidRange | 10        | 2535           | 8.93      | 8.95       |
| FDD07 | MidRange | 15        | 2535           | 13.39     | 13.42      |
| FDD07 | MidRange | 20        | 2535           | 17.87     | 17.88      |
| FDD12 | MidRange | 1.4       | 707.5          | 1.09      | 1.08       |
| FDD12 | MidRange | 3         | 707.5          | 2.69      | 2.69       |
| FDD12 | MidRange | 5         | 707.5          | 4.49      | 4.49       |
| FDD12 | MidRange | 10        | 707.5          | 8.96      | 8.97       |
| FDD13 | MidRange | 5         | 782            | 4.49      | 4.48       |
| FDD13 | MidRange | 10        | 782            | 8.92      | 8.93       |
| FDD17 | MidRange | 5         | 710            | 4.49      | 4.48       |
| FDD17 | MidRange | 10        | 710            | 8.95      | 8.95       |

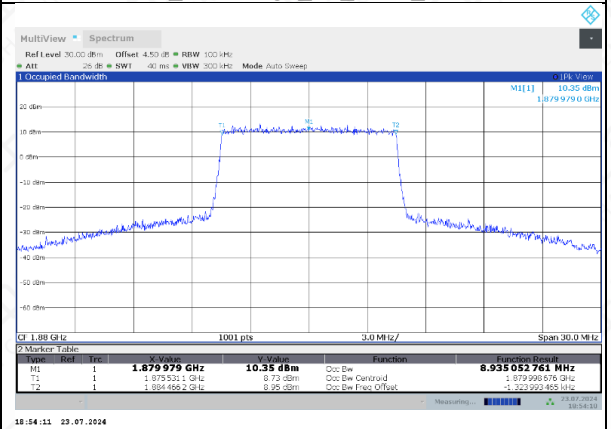
|                    |          |     |        |       |       |
|--------------------|----------|-----|--------|-------|-------|
| FDD25              | MidRange | 1.4 | 1882.5 | 1.08  | 1.09  |
| FDD25              | MidRange | 3   | 1882.5 | 2.68  | 2.68  |
| FDD25              | MidRange | 5   | 1882.5 | 4.49  | 4.49  |
| FDD25              | MidRange | 10  | 1882.5 | 8.95  | 8.95  |
| FDD25              | MidRange | 15  | 1882.5 | 13.42 | 13.44 |
| FDD25              | MidRange | 20  | 1882.5 | 17.85 | 17.89 |
| FDD26<br>(PART 22) | MidRange | 1.4 | 836.5  | 1.09  | 1.08  |
| FDD26<br>(PART 22) | MidRange | 3   | 836.5  | 2.68  | 2.68  |
| FDD26<br>(PART 22) | MidRange | 5   | 836.5  | 4.48  | 4.48  |
| FDD26<br>(PART 22) | MidRange | 10  | 836.5  | 8.93  | 8.94  |
| FDD26<br>(PART 22) | MidRange | 15  | 836.5  | 13.39 | 13.44 |
| TDD38              | MidRange | 5   | 2595   | 4.47  | 4.47  |
| TDD38              | MidRange | 10  | 2595   | 8.94  | 8.94  |
| TDD38              | MidRange | 15  | 2595   | 13.42 | 13.42 |
| TDD38              | MidRange | 20  | 2595   | 17.88 | 17.84 |
| TDD41              | MidRange | 5   | 2593   | 4.50  | 4.47  |
| TDD41              | MidRange | 10  | 2593   | 8.99  | 8.99  |
| TDD41              | MidRange | 15  | 2593   | 13.49 | 13.49 |
| TDD41              | MidRange | 20  | 2593   | 17.89 | 17.98 |
| FDD66              | MidRange | 1.4 | 1745   | 1.09  | 1.08  |
| FDD66              | MidRange | 3   | 1745   | 2.68  | 2.69  |
| FDD66              | MidRange | 5   | 1745   | 4.48  | 4.49  |
| FDD66              | MidRange | 10  | 1745   | 8.95  | 8.96  |
| FDD66              | MidRange | 15  | 1745   | 13.43 | 13.46 |
| FDD66              | MidRange | 20  | 1745   | 17.88 | 17.90 |
| FDD71              | MidRange | 5   | 680.5  | 4.49  | 4.49  |
| FDD71              | MidRange | 10  | 680.5  | 8.96  | 8.96  |
| FDD71              | MidRange | 15  | 680.5  | 13.43 | 13.45 |
| FDD71              | MidRange | 20  | 683    | 17.89 | 17.89 |



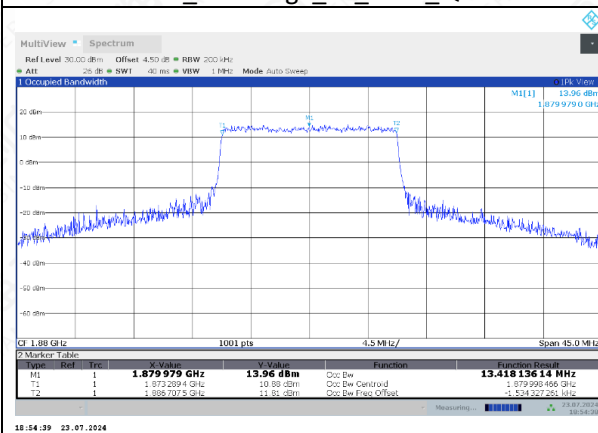
### FDD02\_MidRange\_10\_1880\_QPSK



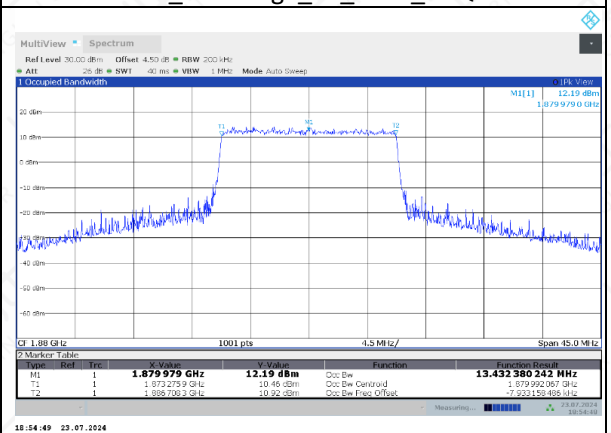
### FDD02\_MidRange\_10\_1880\_16QAM



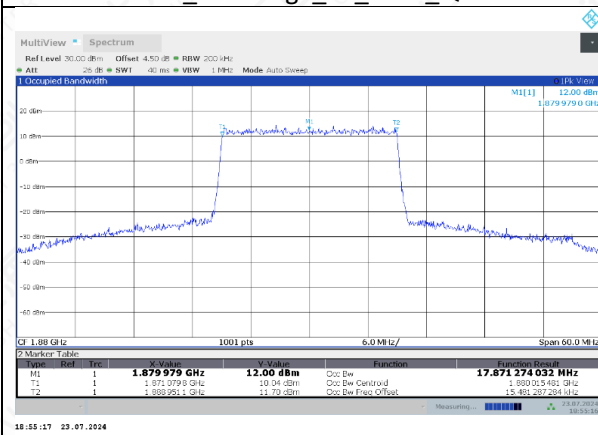
### FDD02\_MidRange\_15\_1880\_QPSK



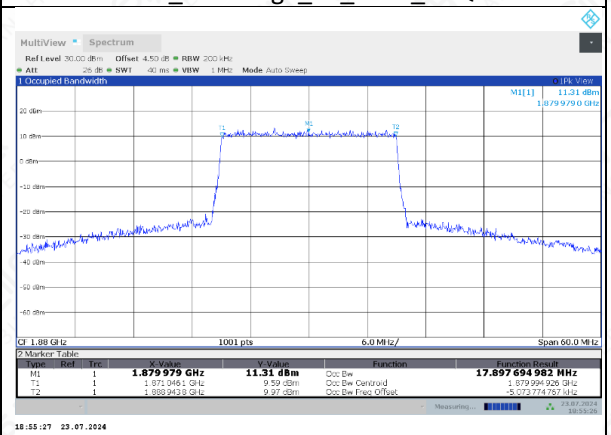
### FDD02\_MidRange\_15\_1880\_16QAM



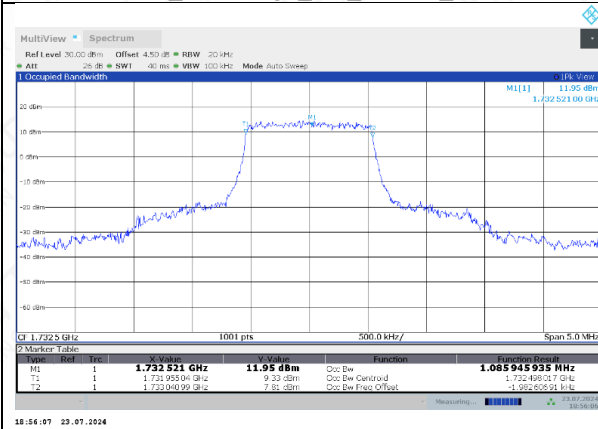
### FDD02\_MidRange\_20\_1880\_QPSK



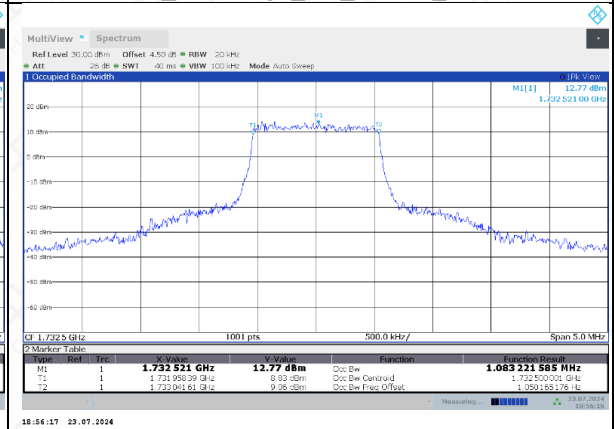
### FDD02\_MidRange\_20\_1880\_16QAM



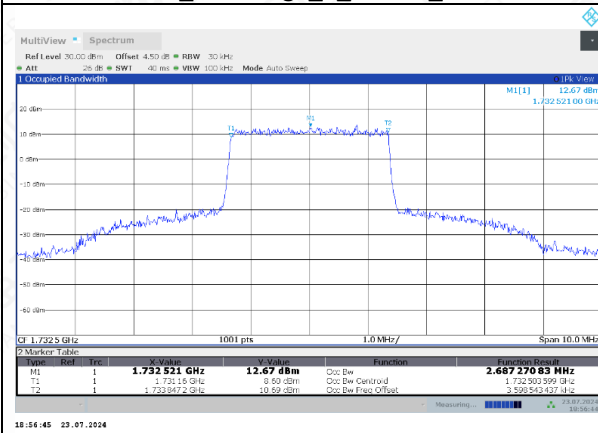
### FDD04\_MidRange\_1.4\_1732.5\_QPSK



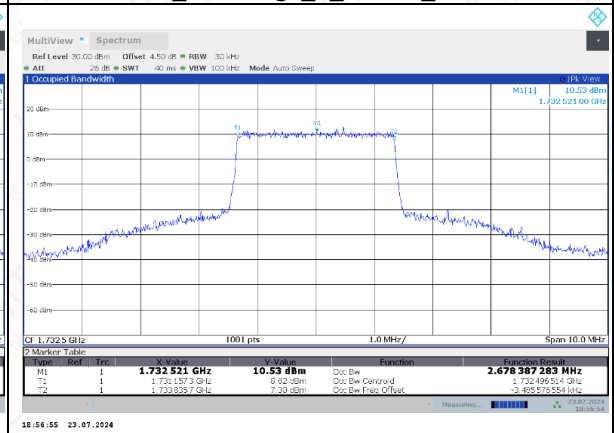
### FDD04\_MidRange\_1.4\_1732.5\_16QAM



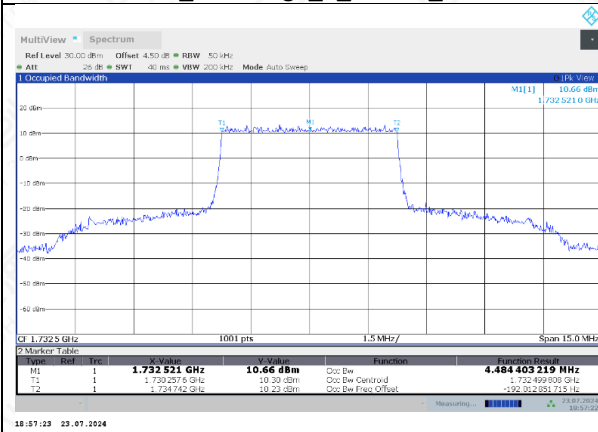
### FDD04\_MidRange\_3\_1732.5\_QPSK



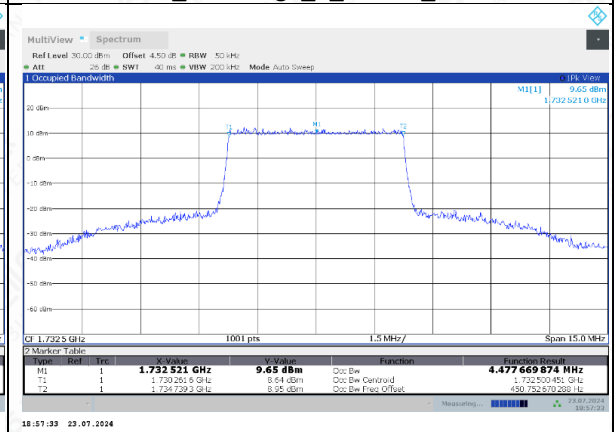
### FDD04\_MidRange\_3\_1732.5\_16QAM

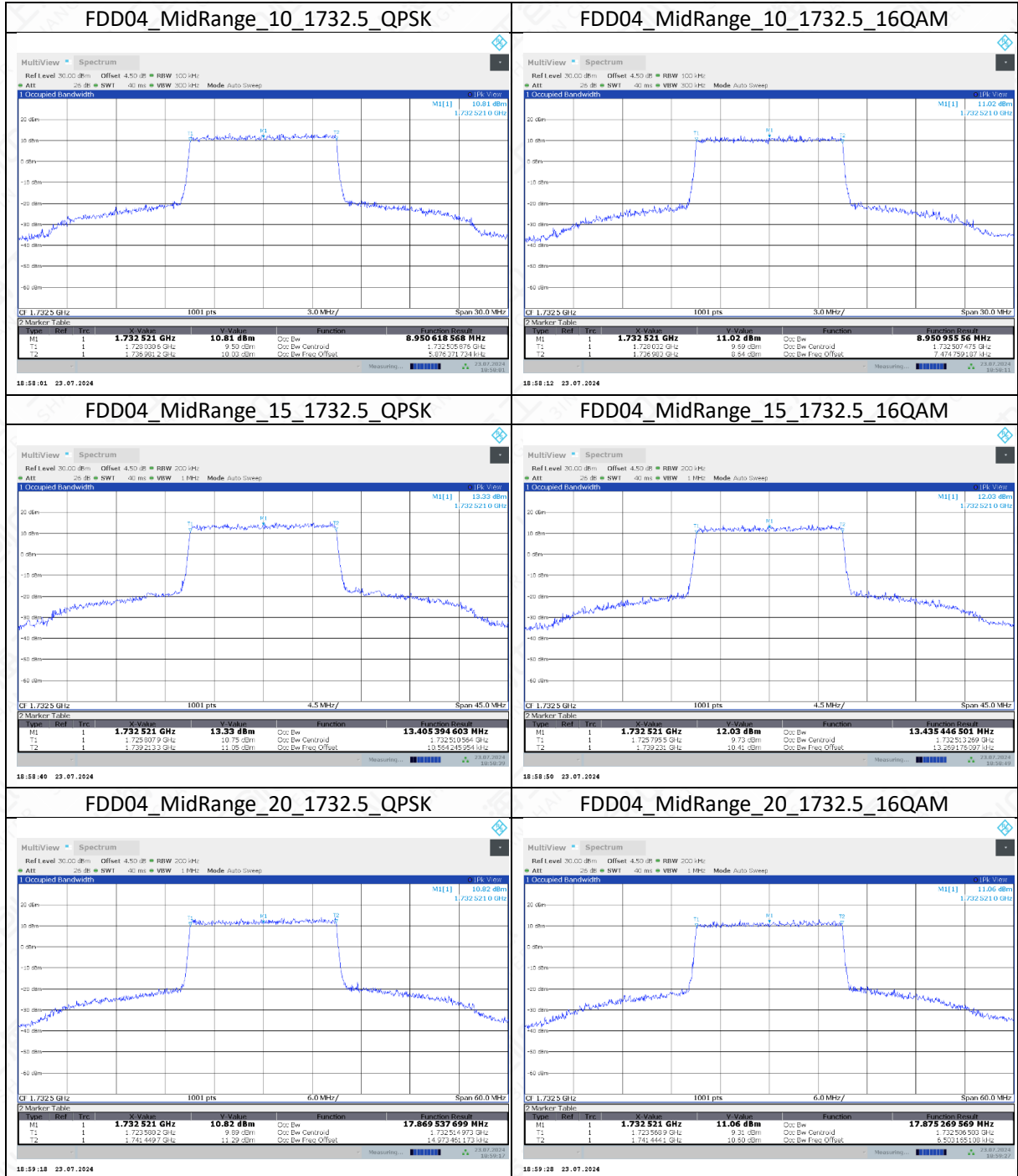


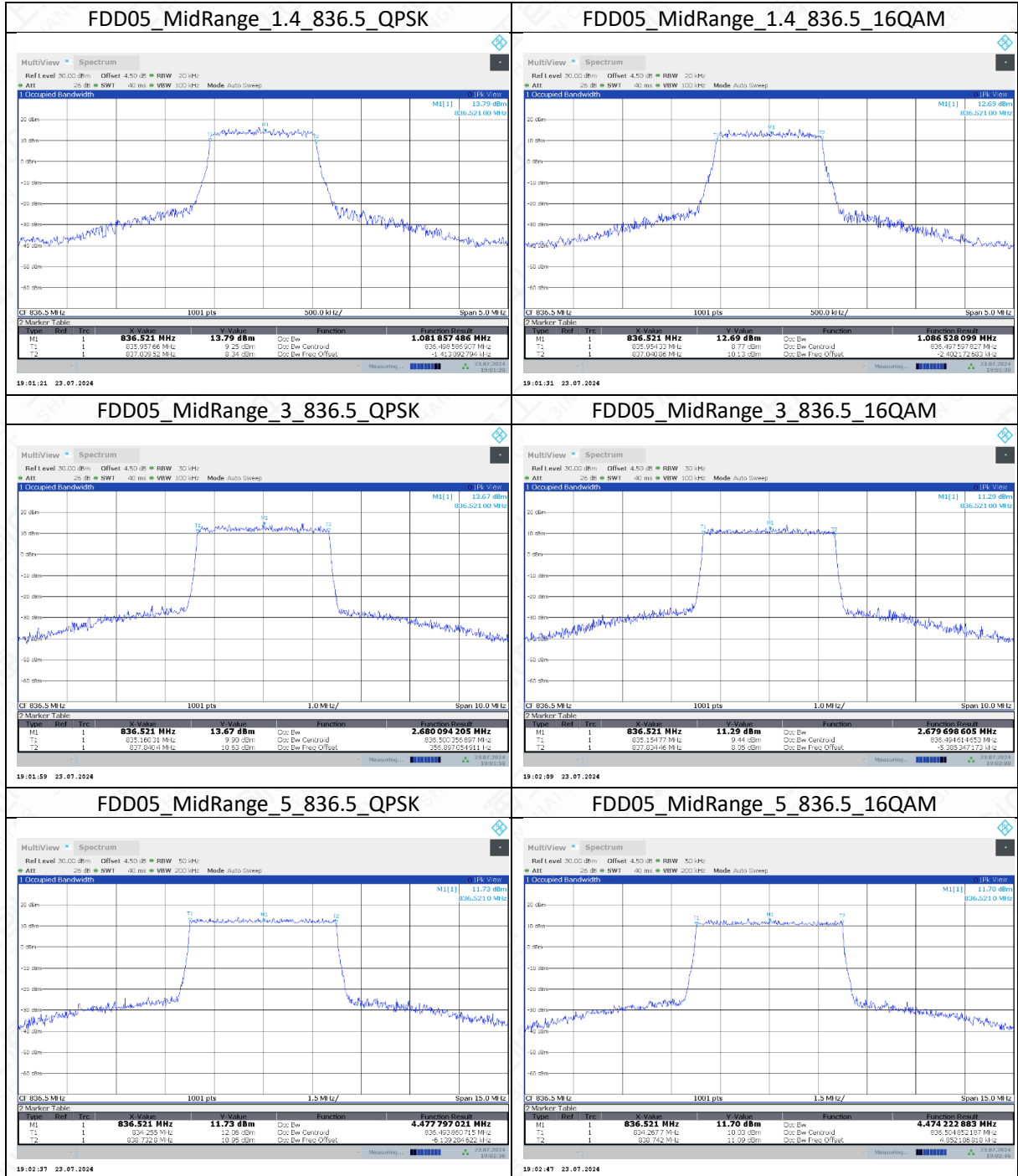
### FDD04\_MidRange\_5\_1732.5\_QPSK

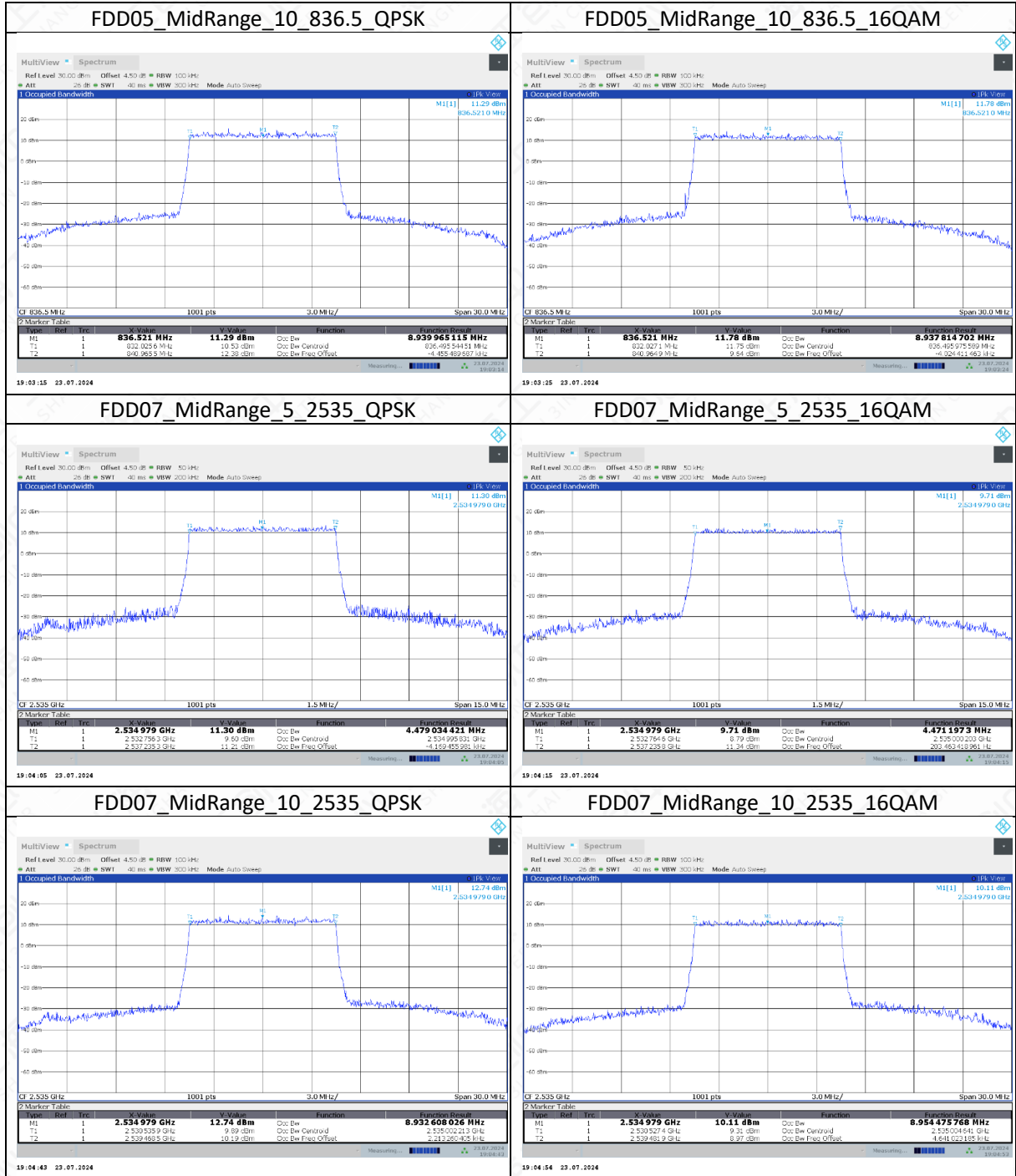


### FDD04\_MidRange\_5\_1732.5\_16QAM

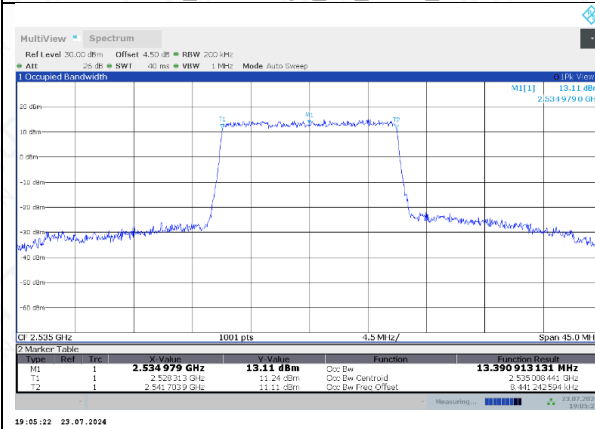




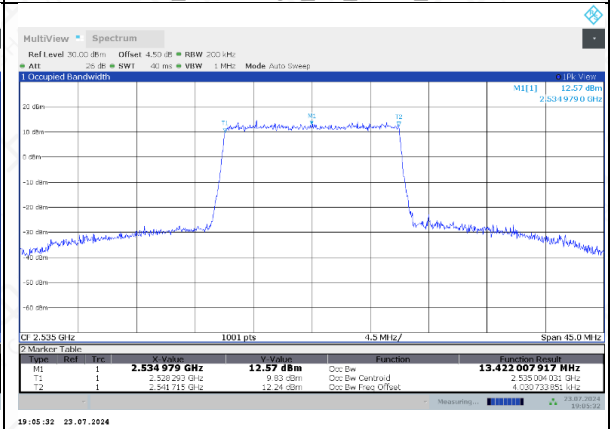




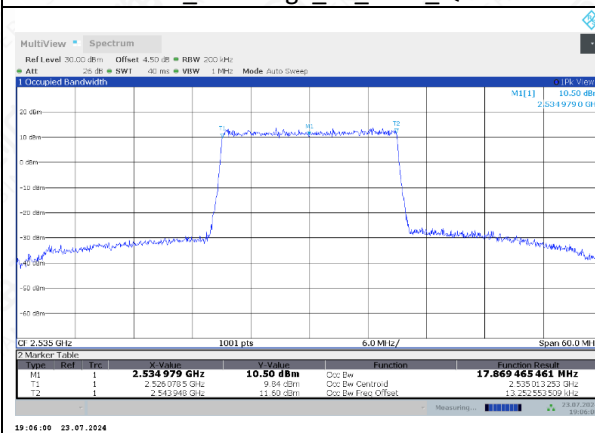
### FDD07\_MidRange\_15\_2535\_QPSK



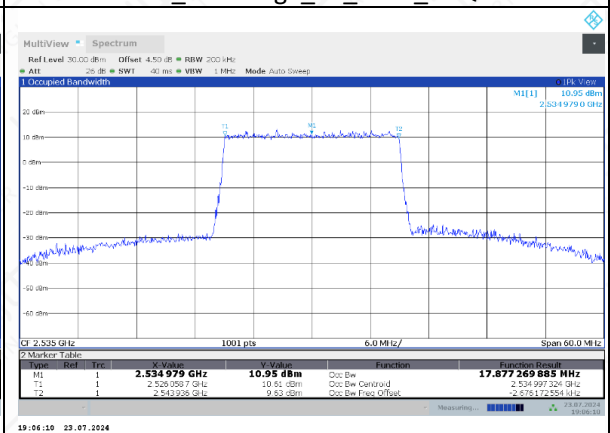
### FDD07\_MidRange\_15\_2535\_16QAM



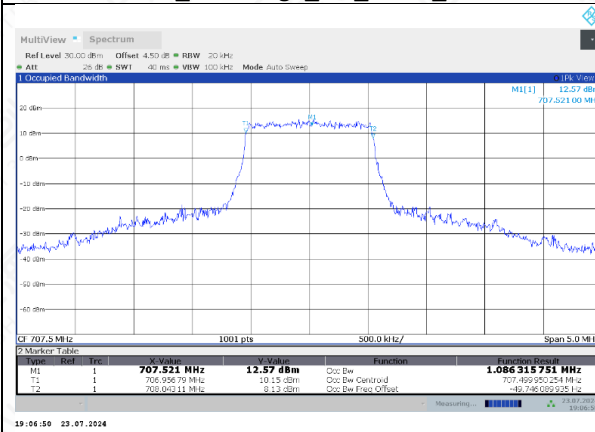
### FDD07\_MidRange\_20\_2535\_QPSK



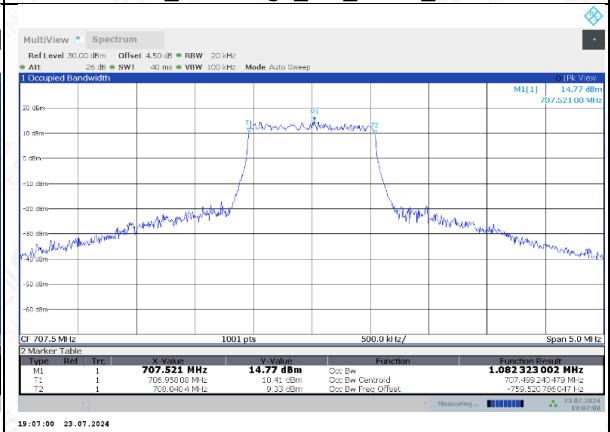
### FDD07\_MidRange\_20\_2535\_16QAM



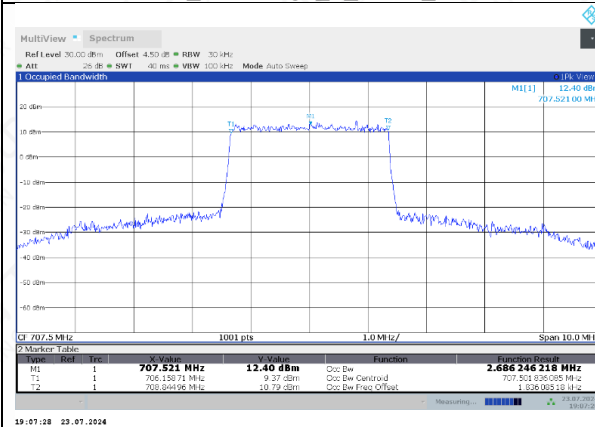
### FDD12\_MidRange\_1.4\_707.5\_QPSK



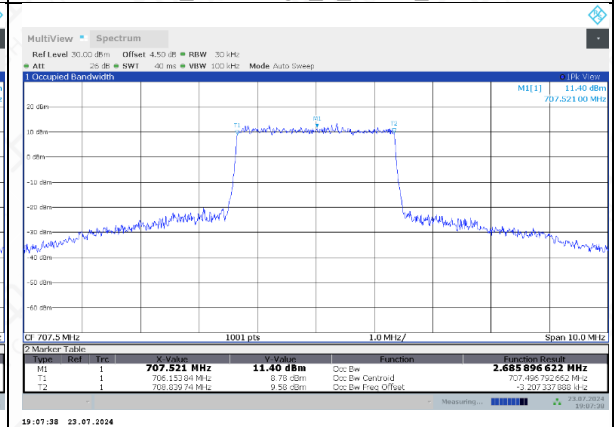
### FDD12\_MidRange\_1.4\_707.5\_16QAM



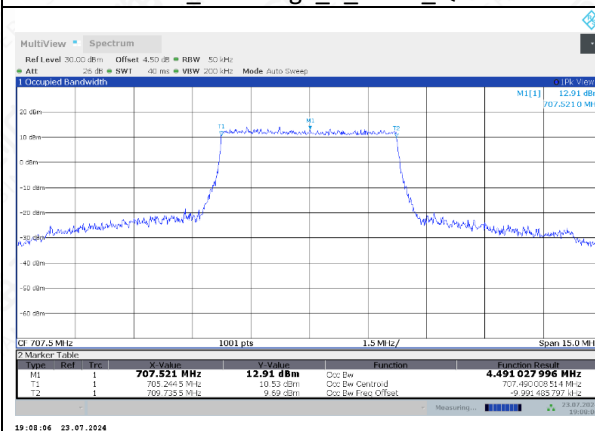
FDD12\_MidRange\_3\_707.5\_QPSK



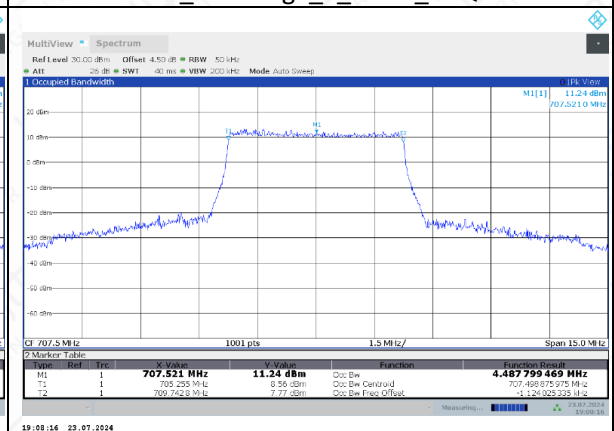
FDD12\_MidRange\_3\_707.5\_16QAM



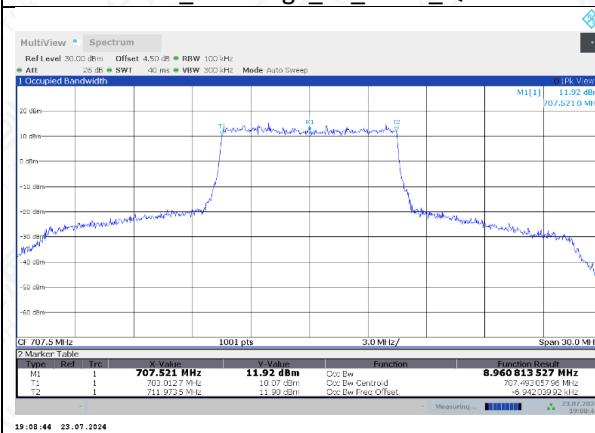
FDD12\_MidRange\_5\_707.5\_QPSK



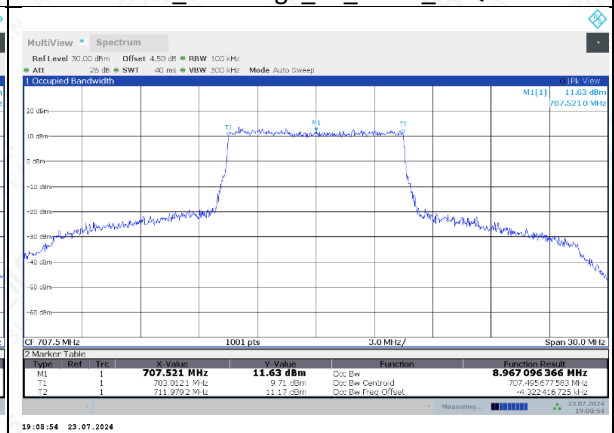
FDD12\_MidRange\_5\_707.5\_16QAM



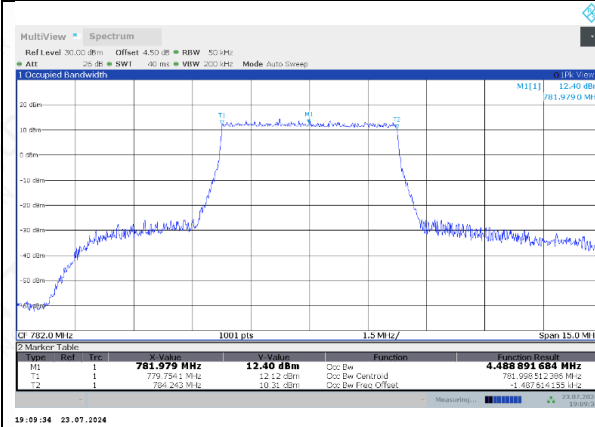
FDD12\_MidRange\_10\_707.5\_QPSK



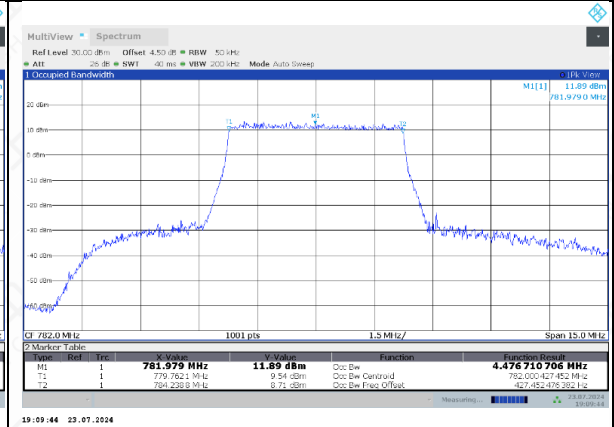
FDD12\_MidRange\_10\_707.5\_16QAM



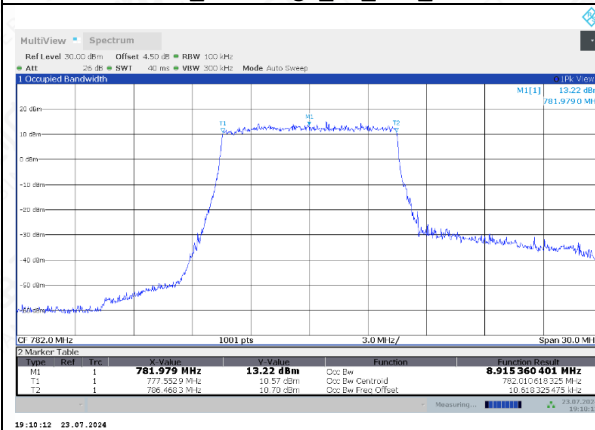
FDD13\_MidRange\_5\_782\_QPSK



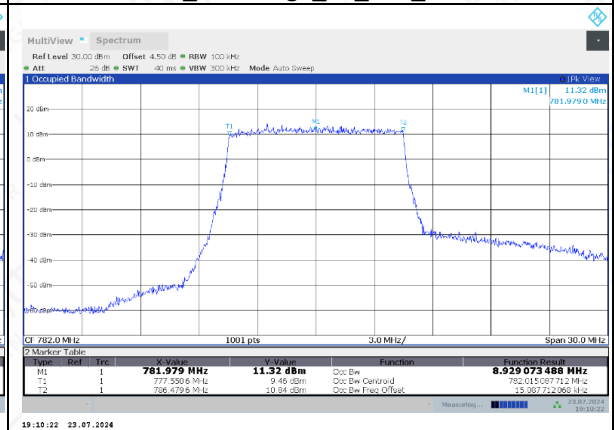
FDD13\_MidRange\_5\_782\_16QAM



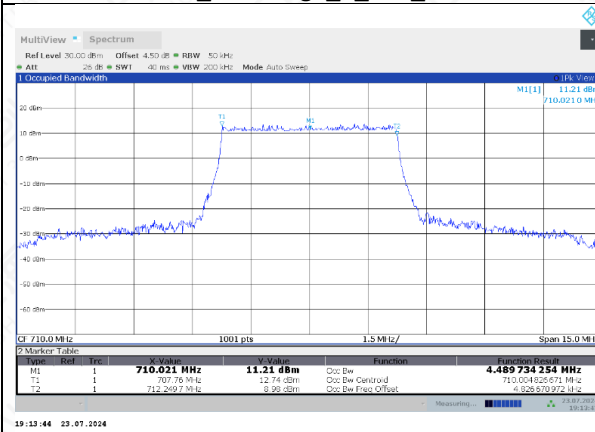
FDD13\_MidRange\_10\_782\_QPSK



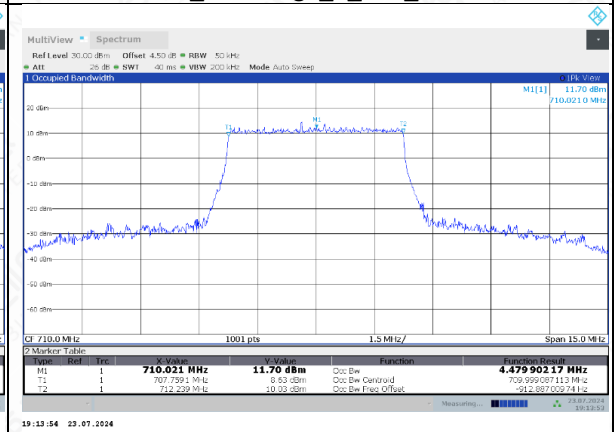
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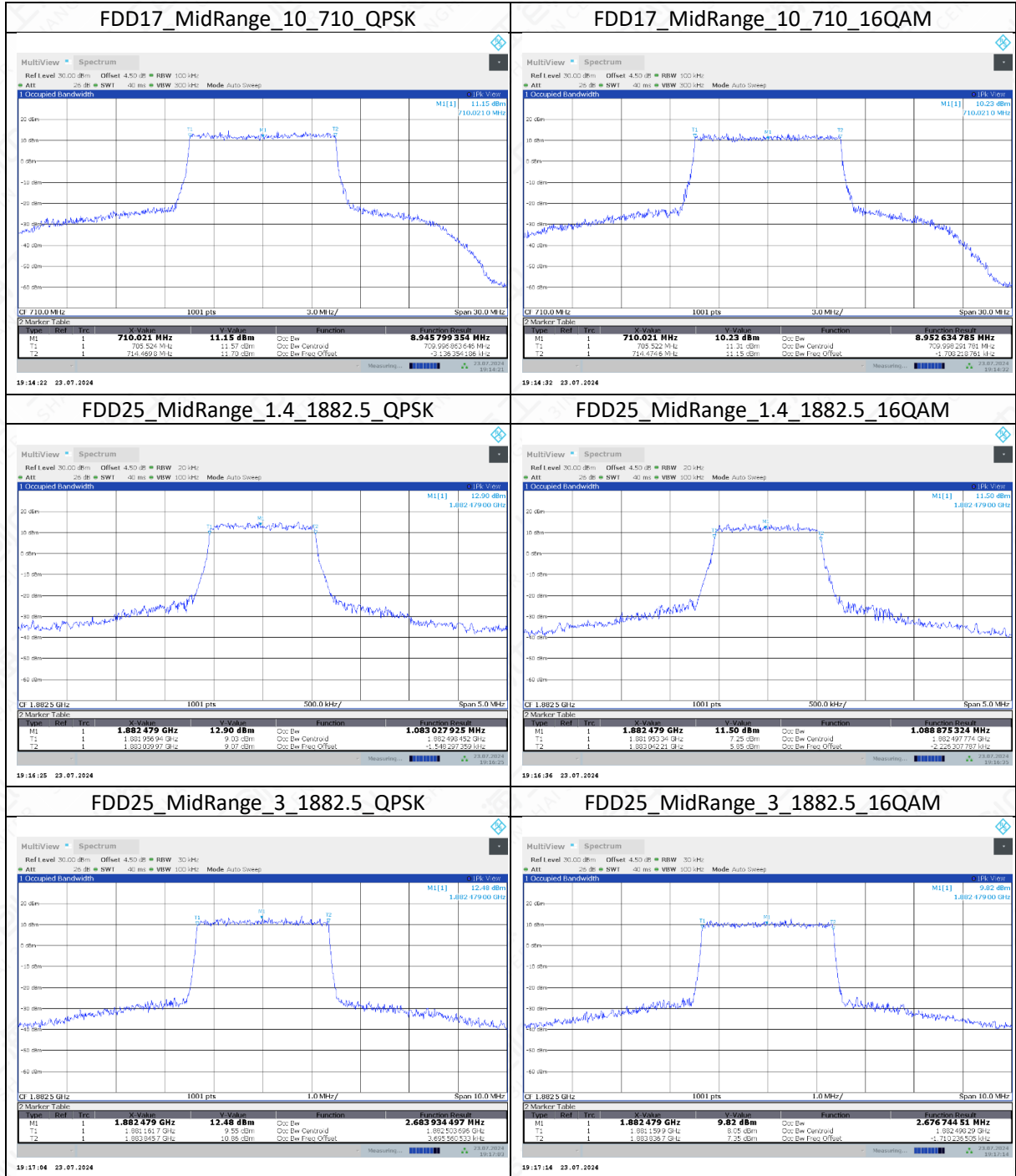


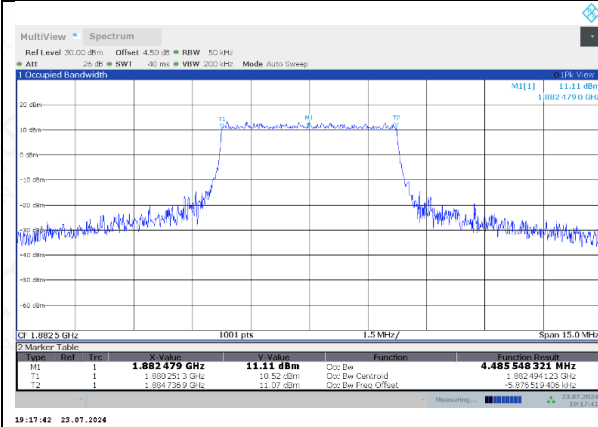
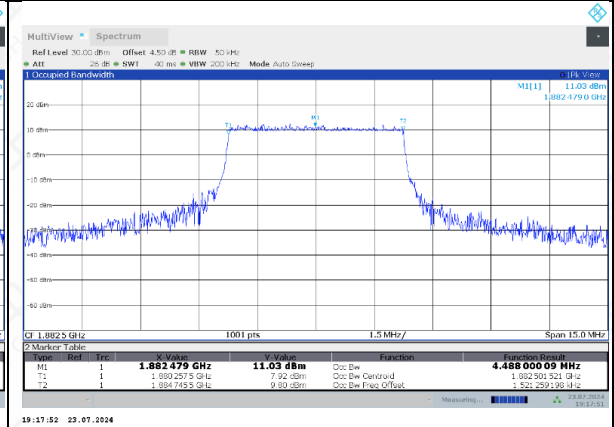
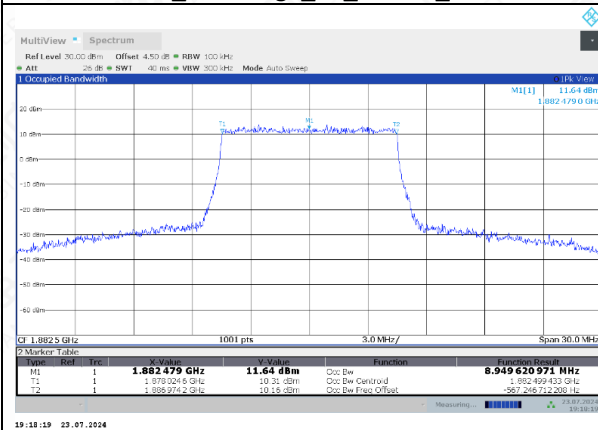
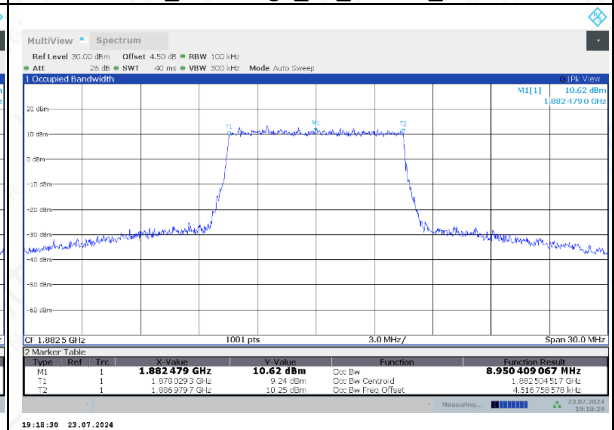
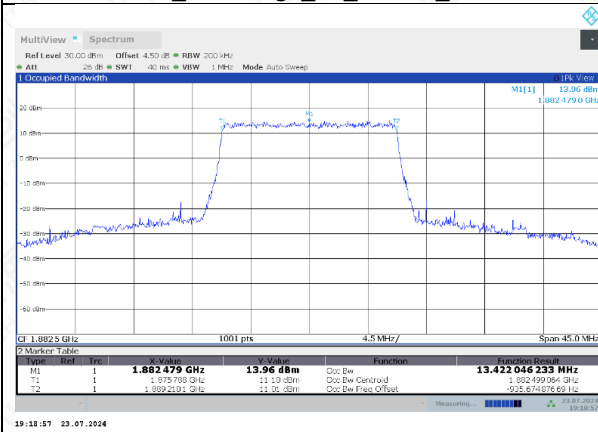
FDD17\_MidRange\_5\_710\_QPSK



FDD17\_MidRange\_5\_710\_16QAM





**FDD25\_MidRange\_5\_1882.5\_QPSK**

**FDD25\_MidRange\_5\_1882.5\_16QAM**

**FDD25\_MidRange\_10\_1882.5\_QPSK**

**FDD25\_MidRange\_10\_1882.5\_16QAM**

**FDD25\_MidRange\_15\_1882.5\_QPSK**

**FDD25\_MidRange\_15\_1882.5\_16QAM**
