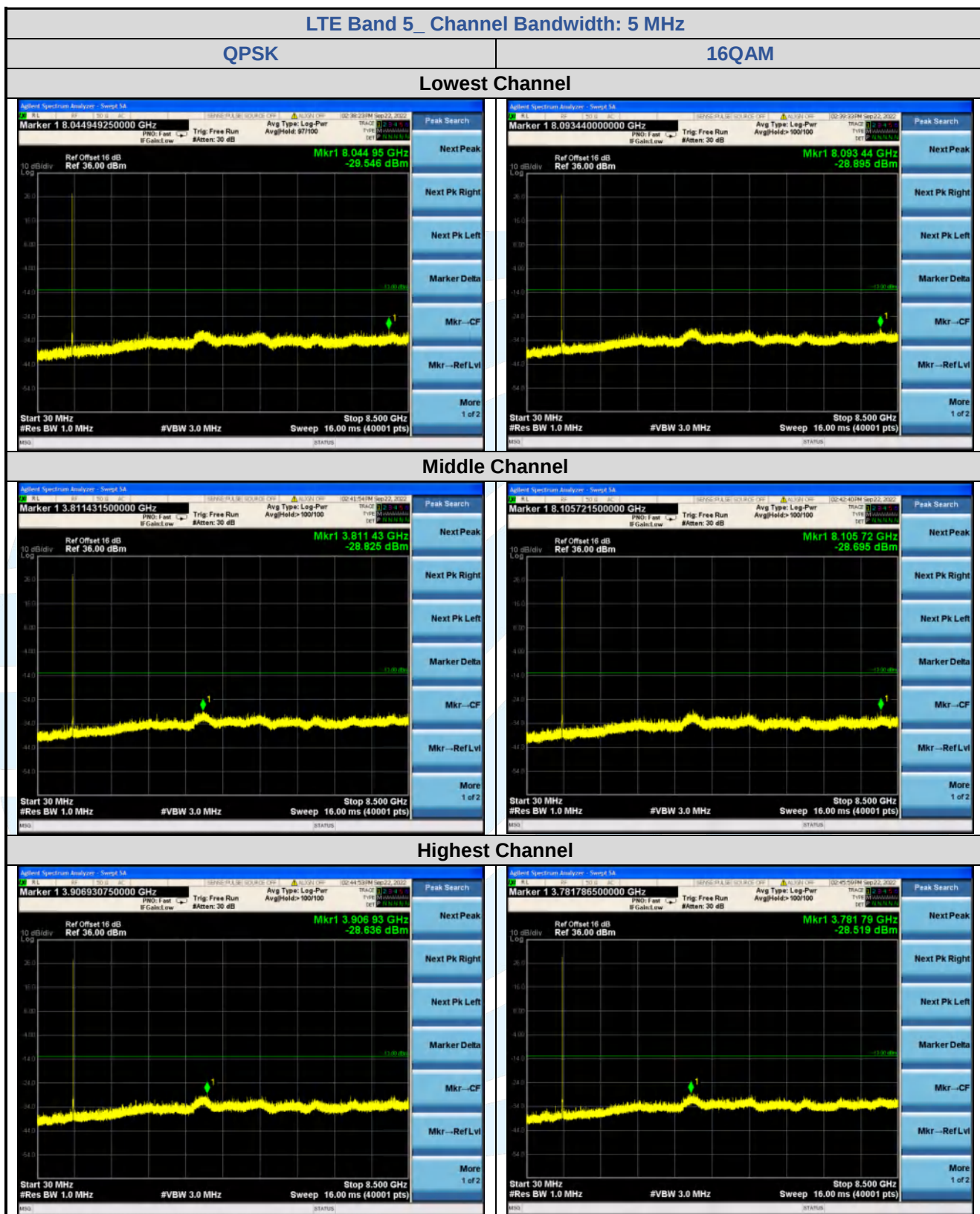
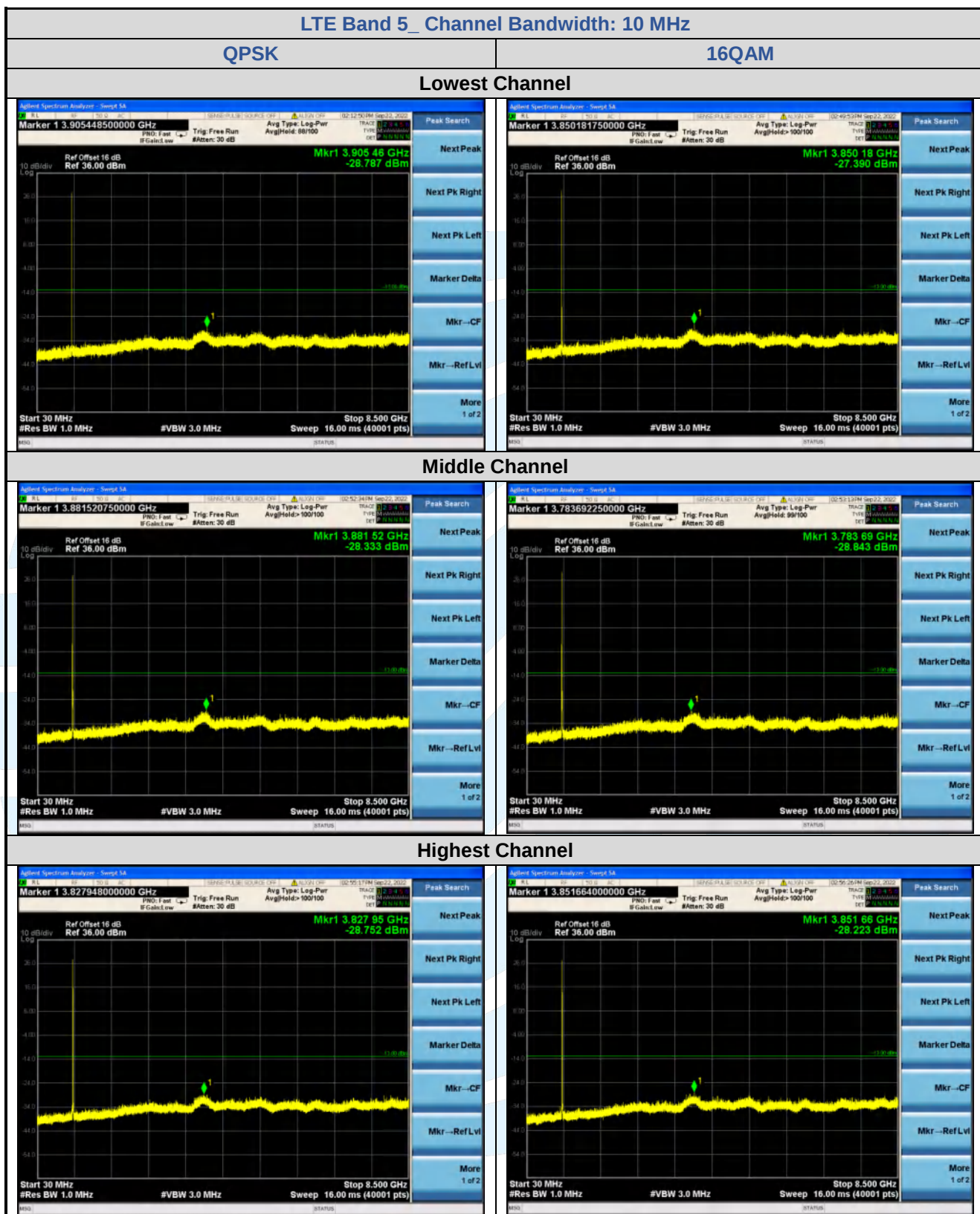
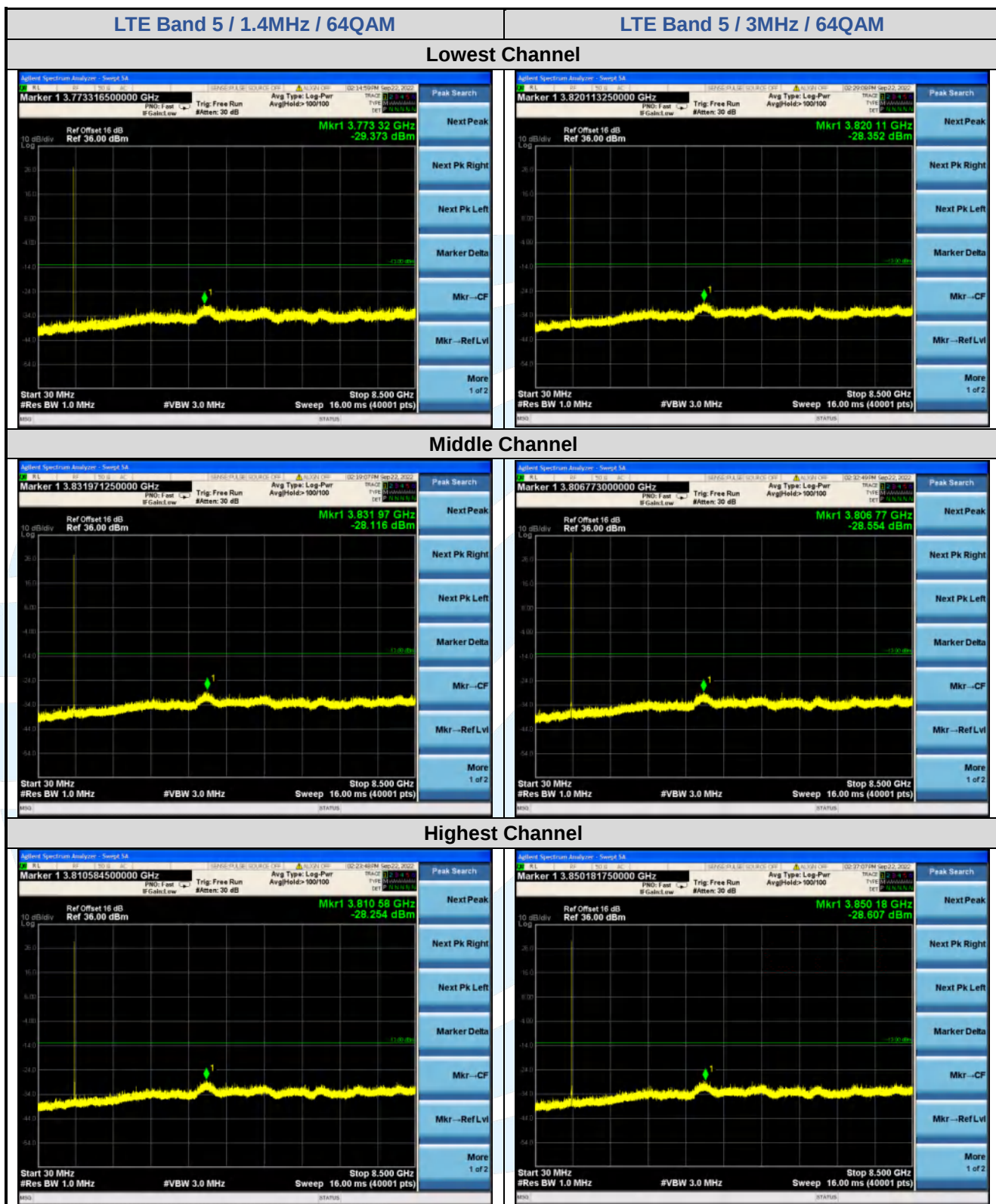
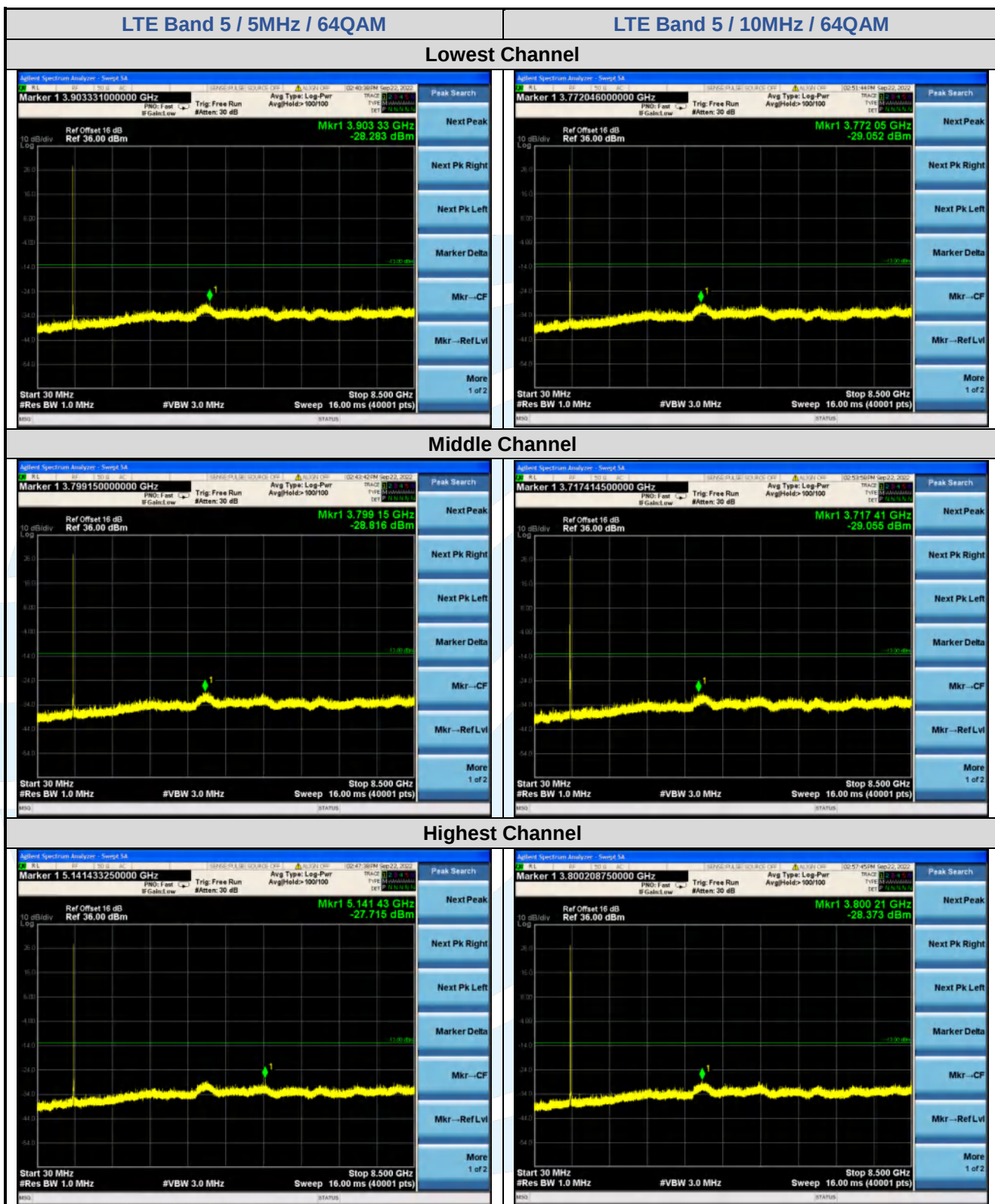


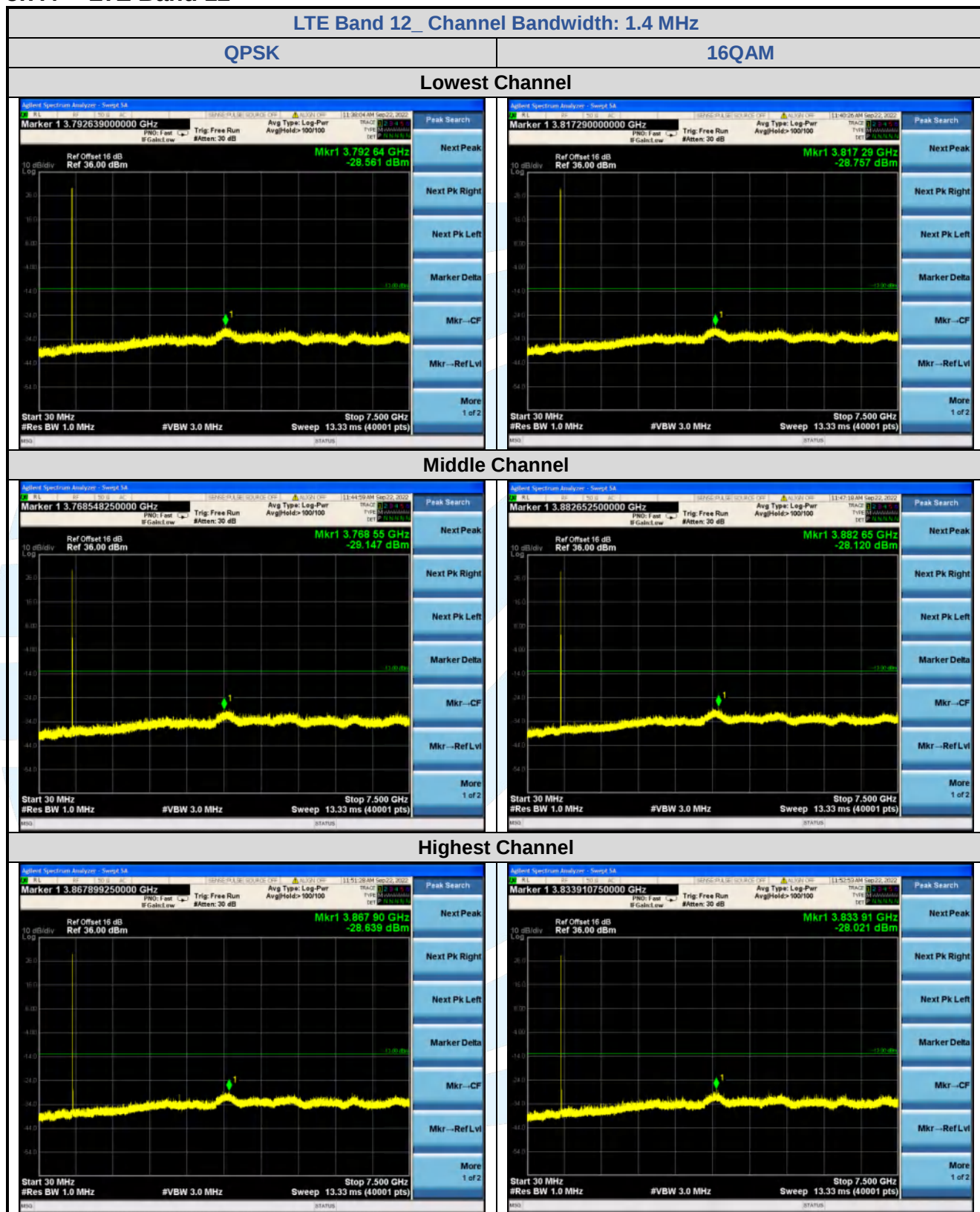


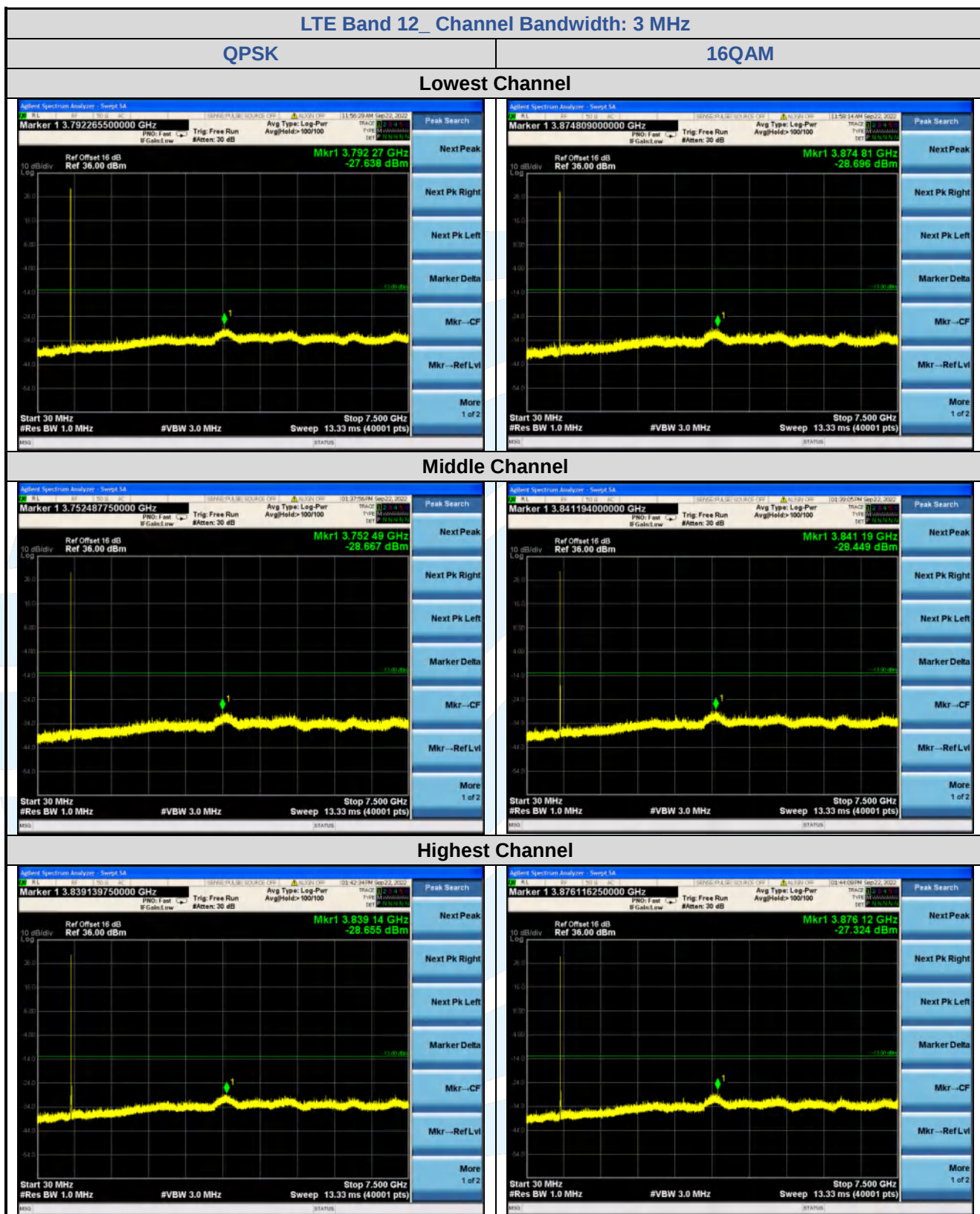


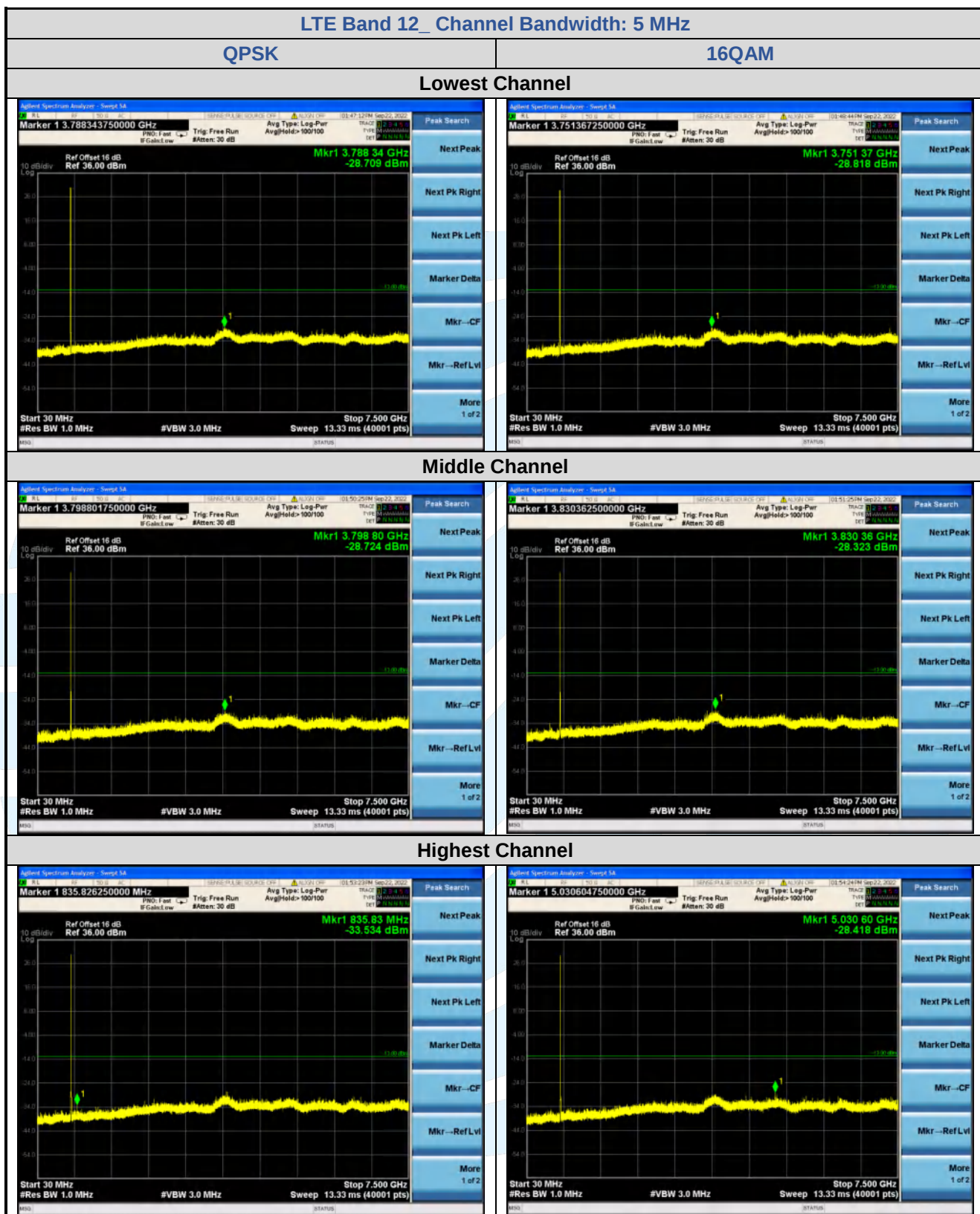


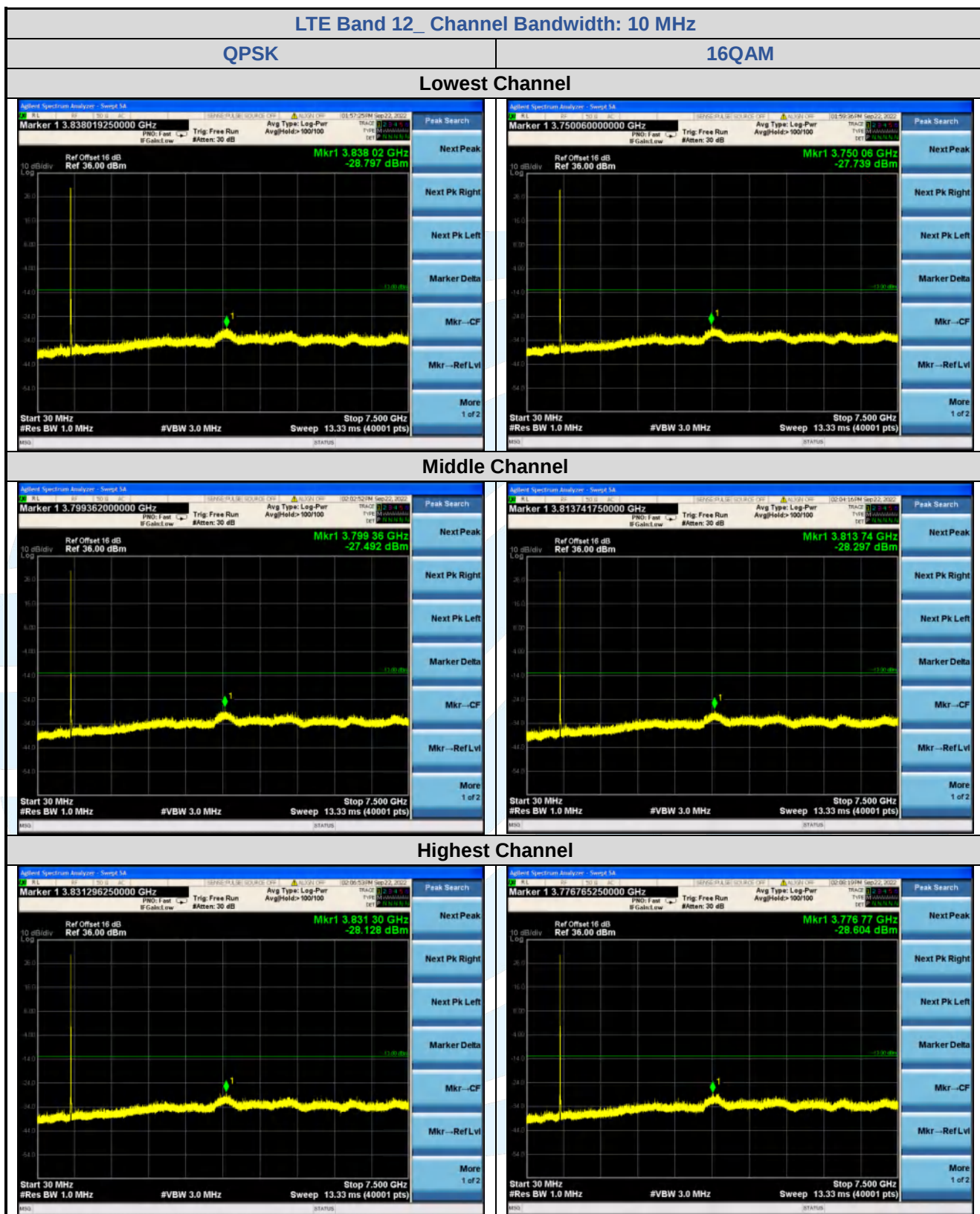


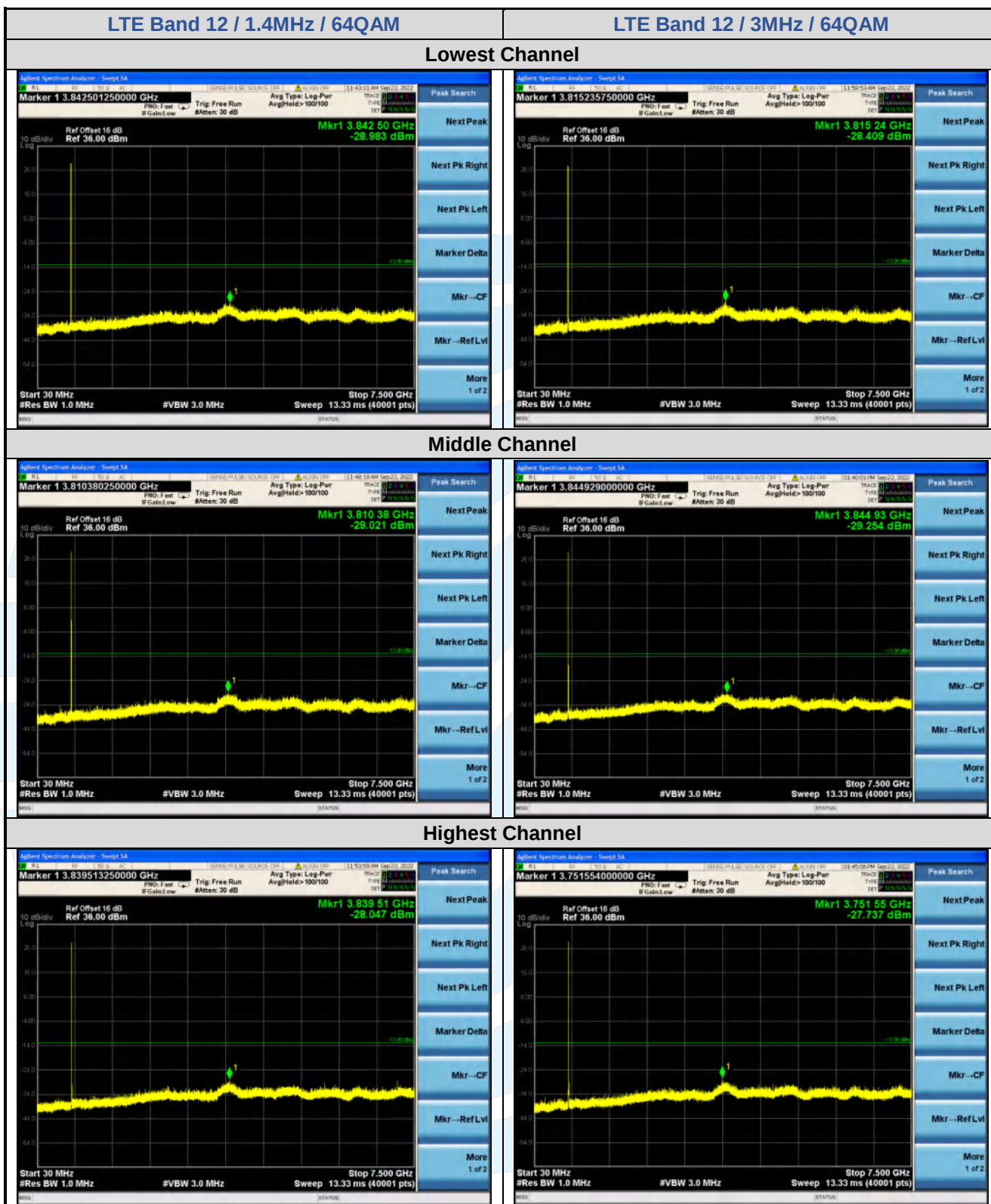
## 5.7.4 LTE Band 12

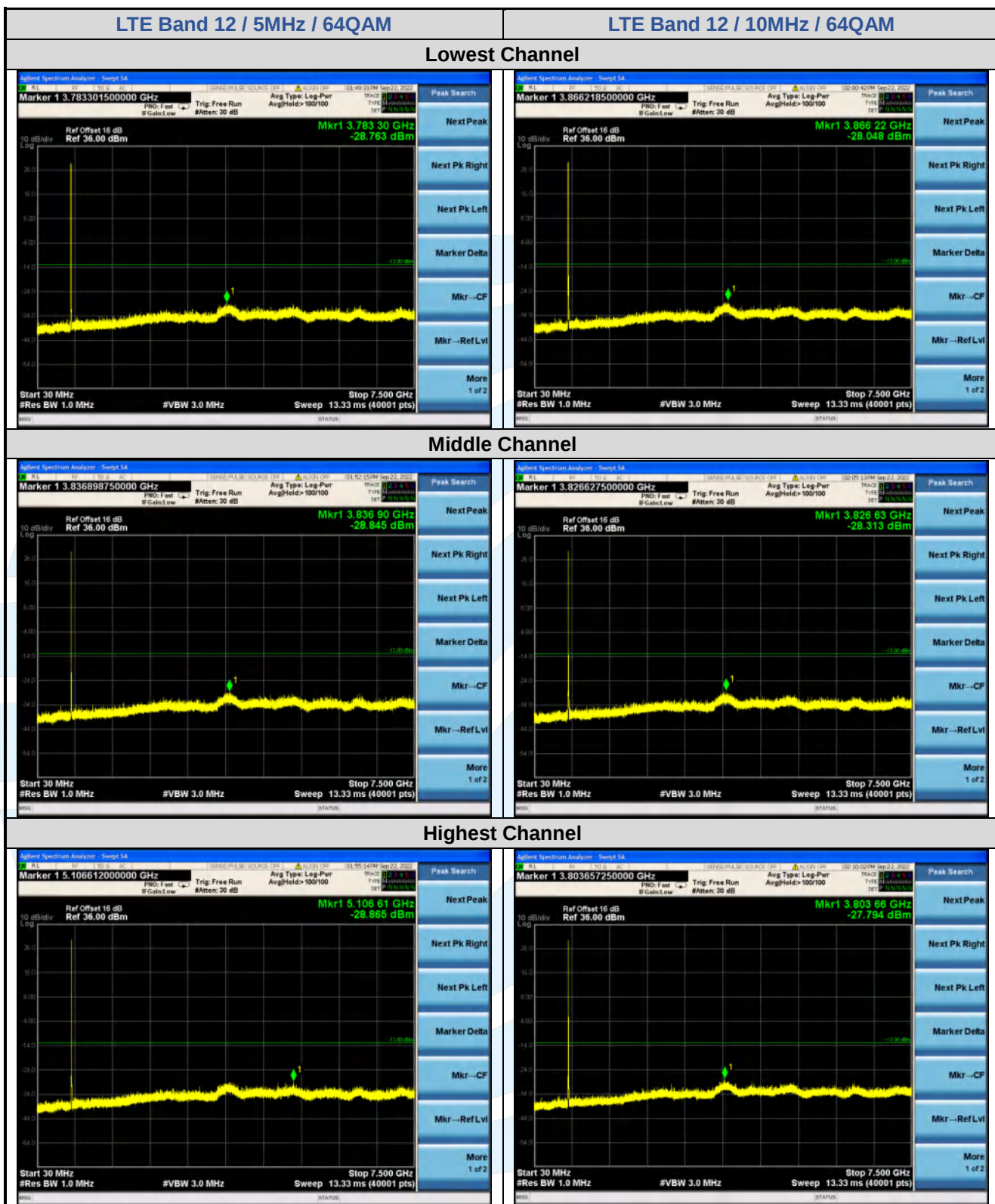




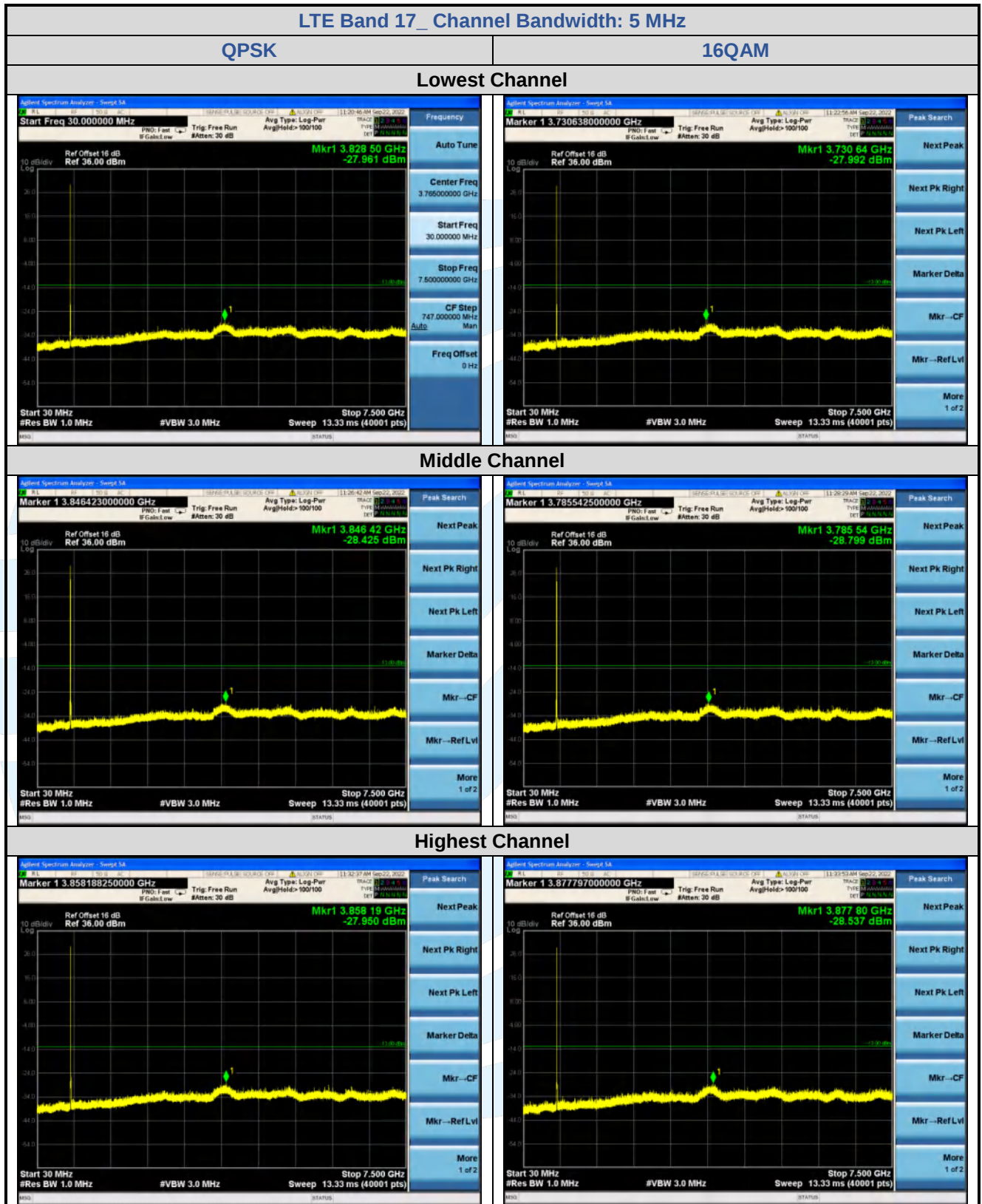


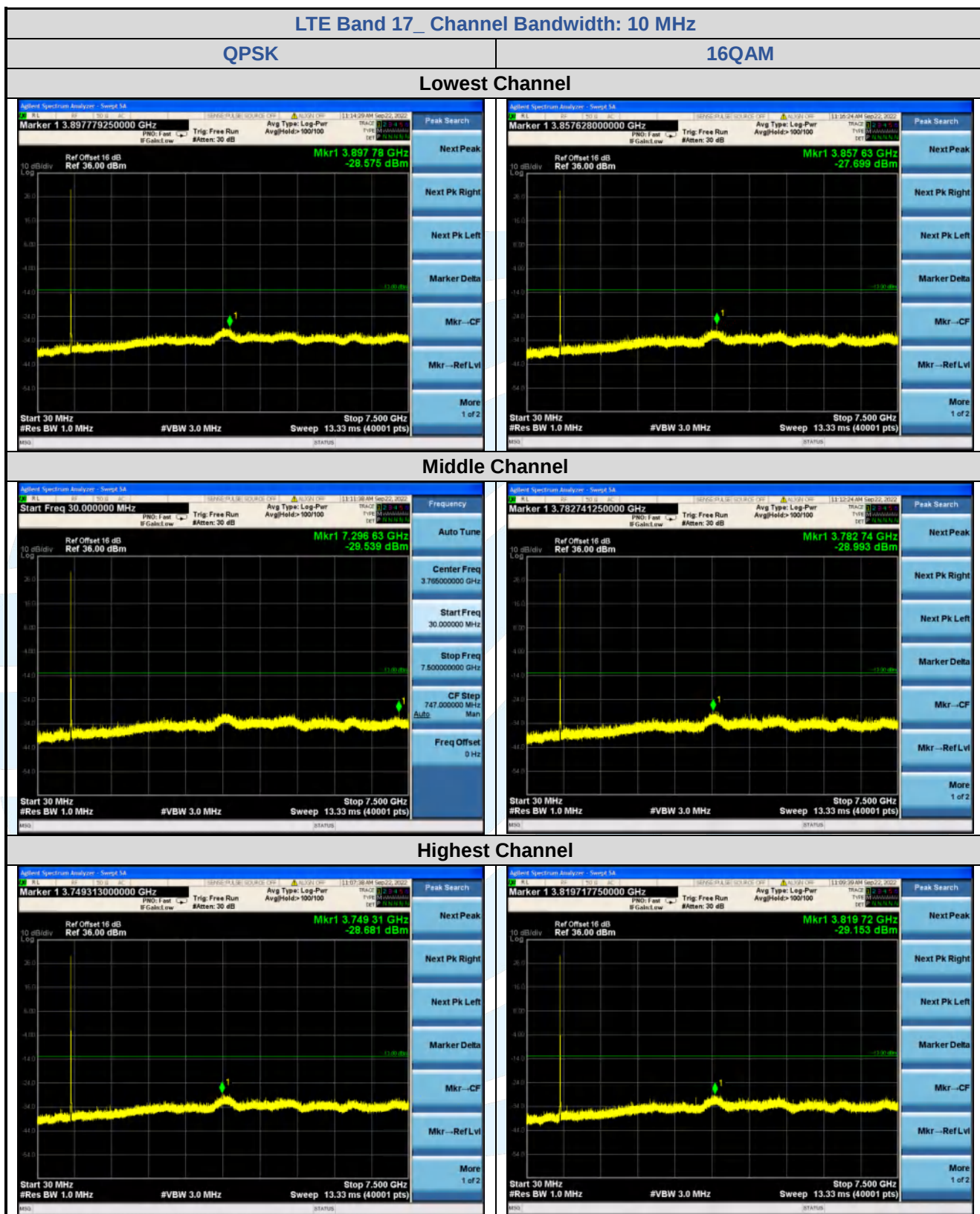


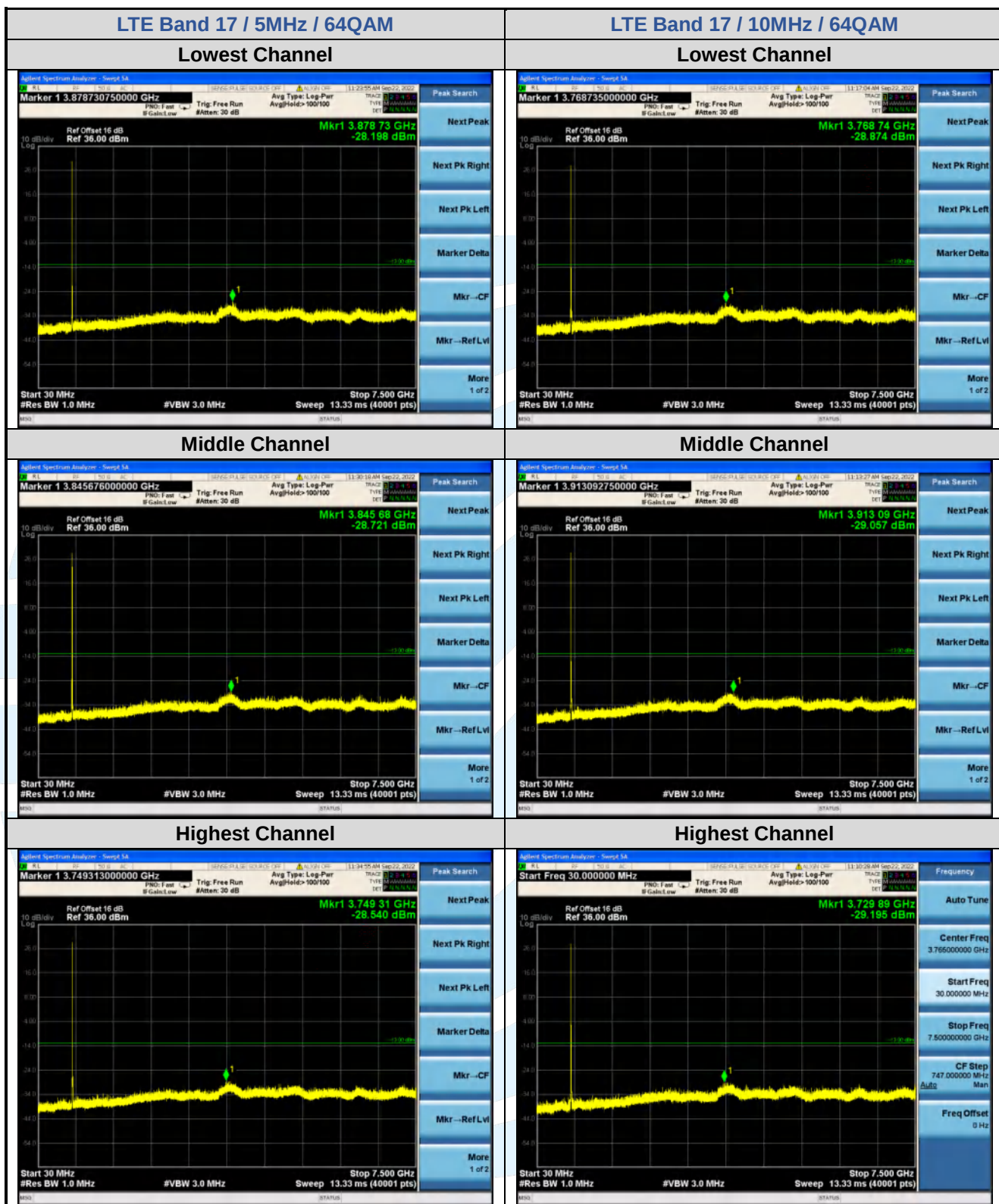




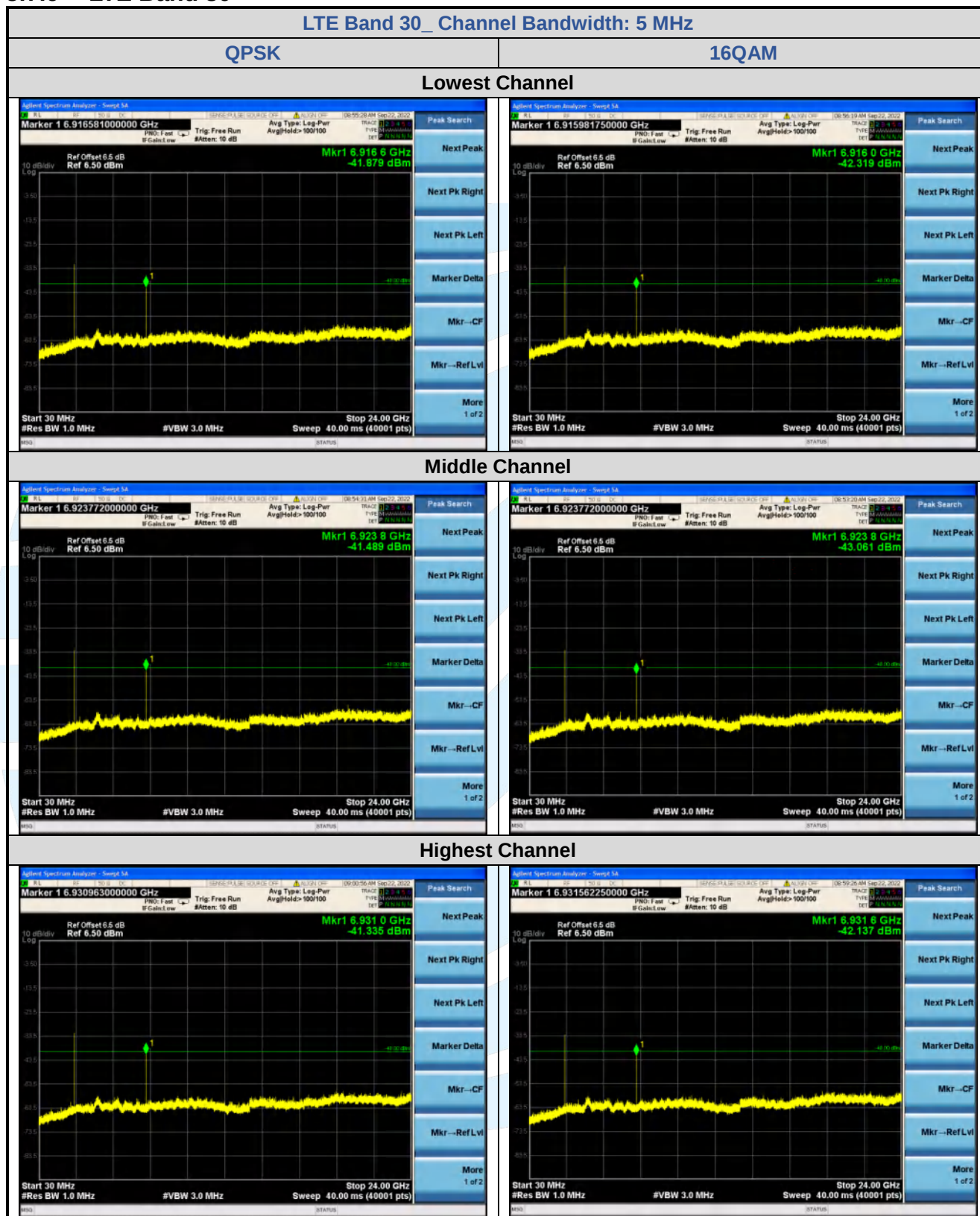
## 5.7.5 LTE Band 17

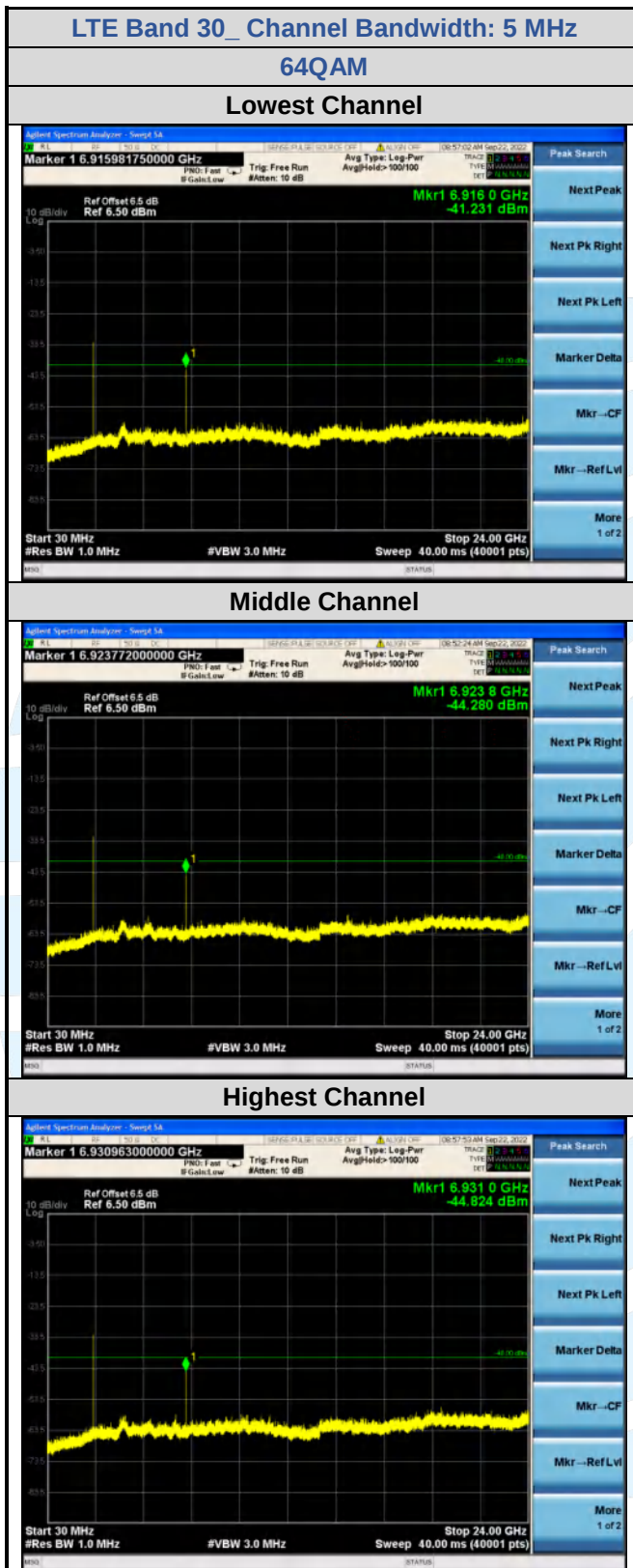


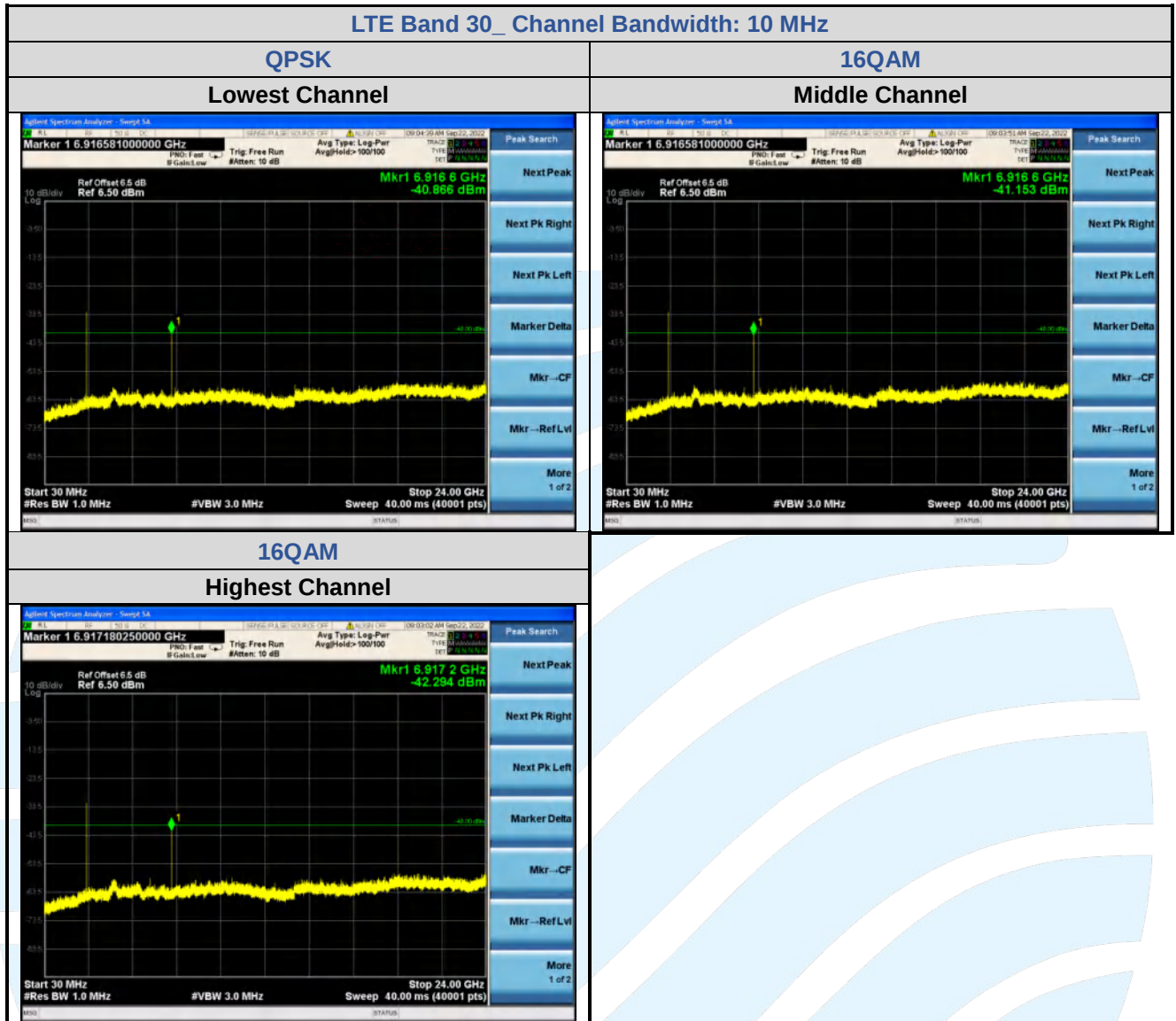




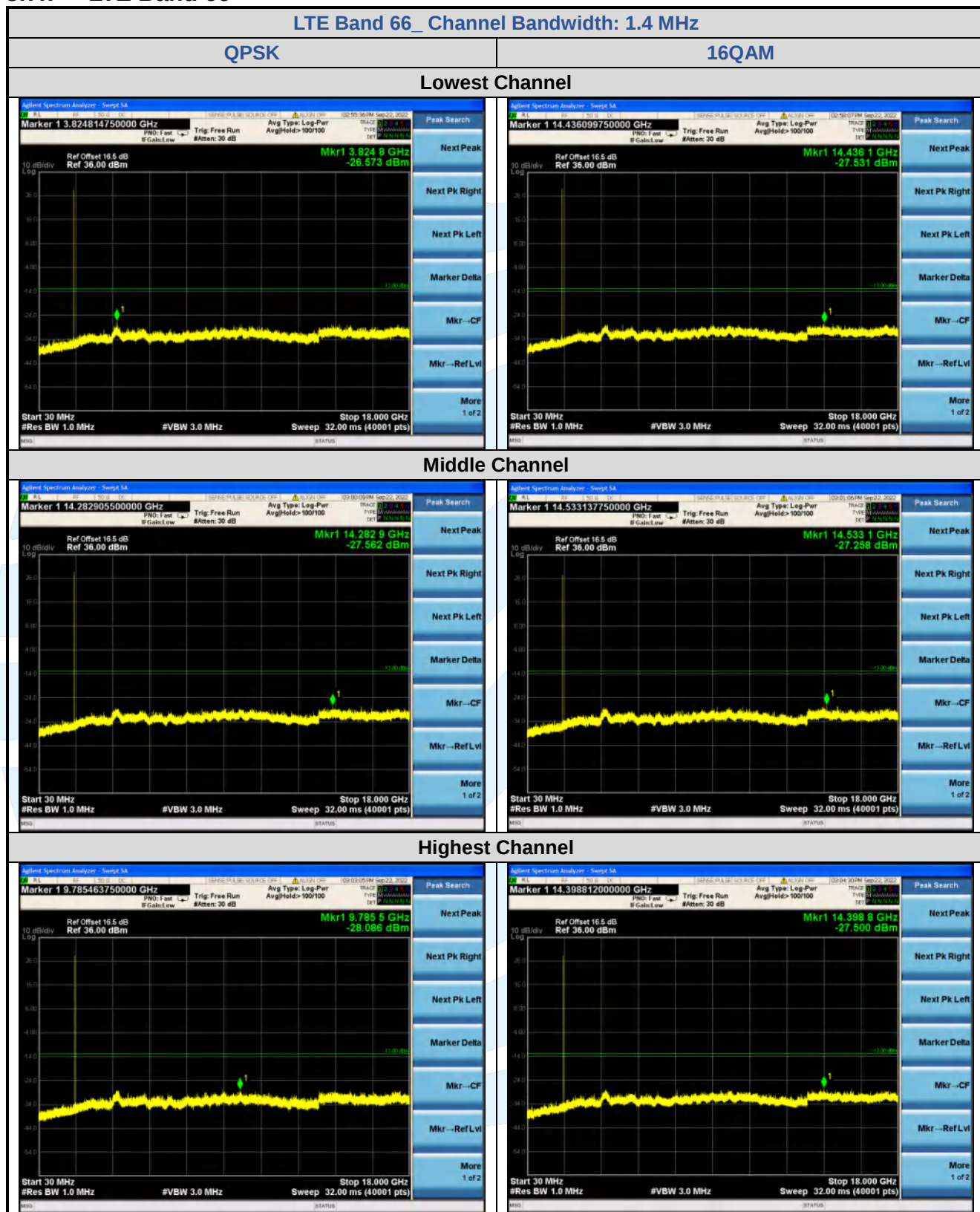
## 5.7.6 LTE Band 30

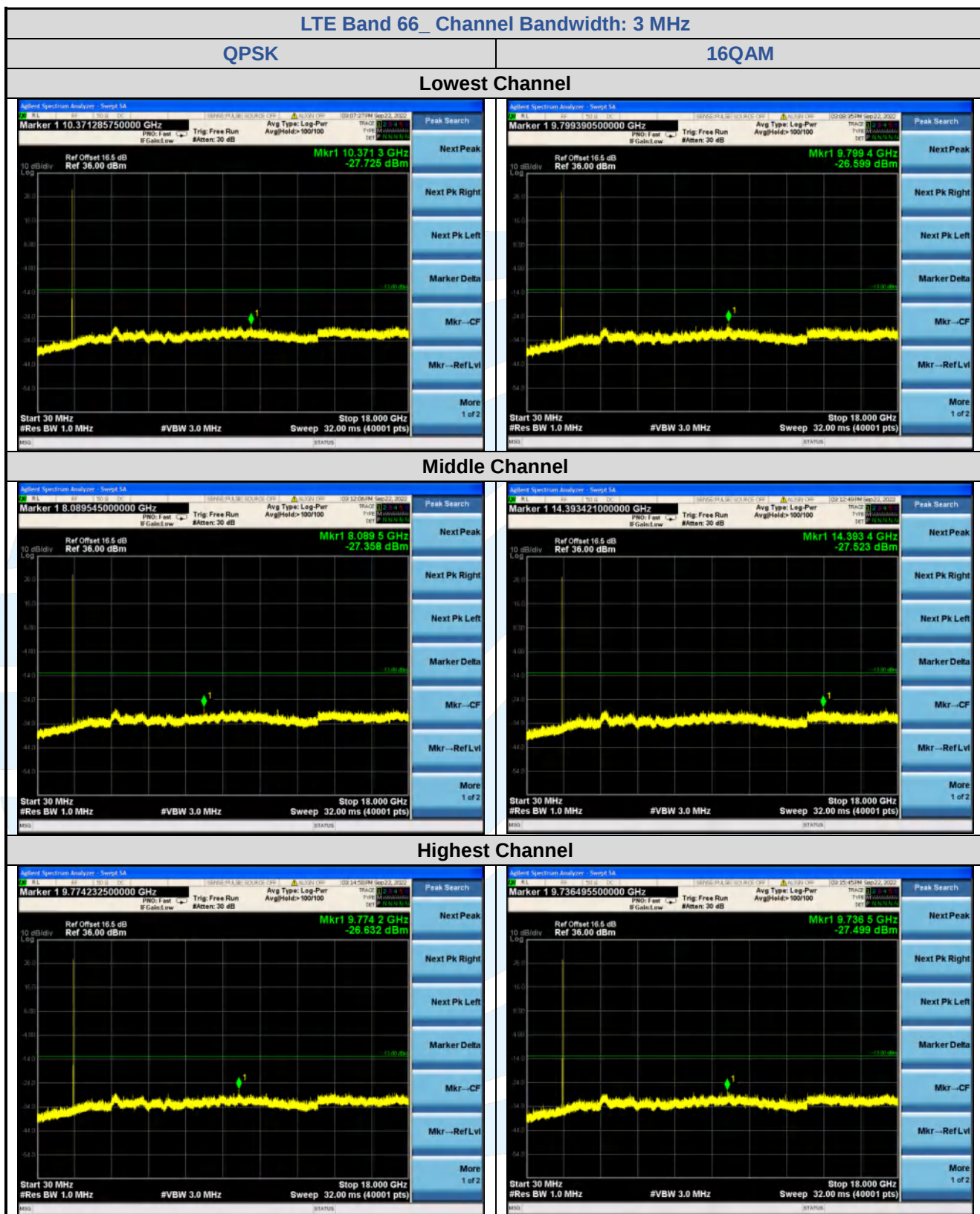


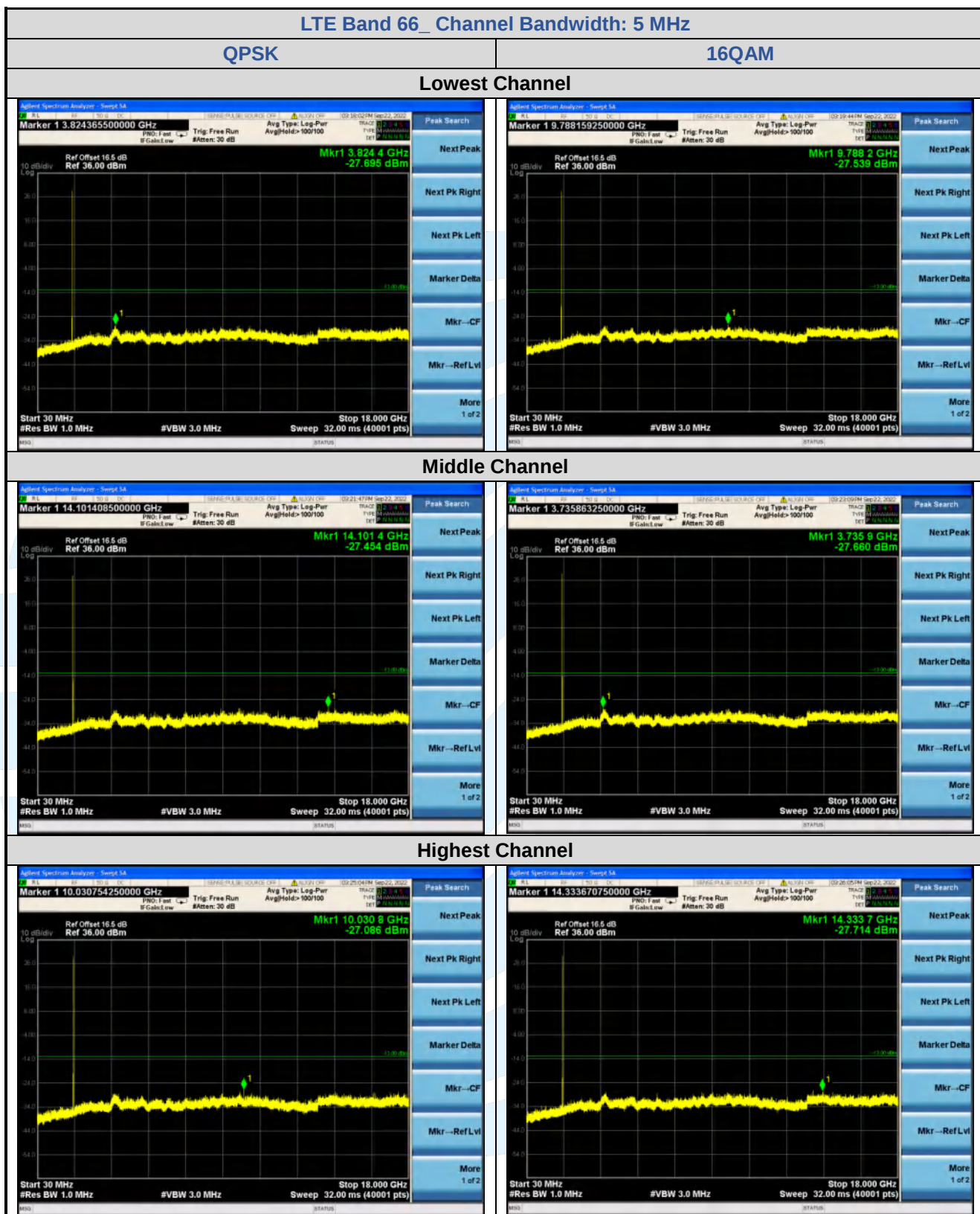


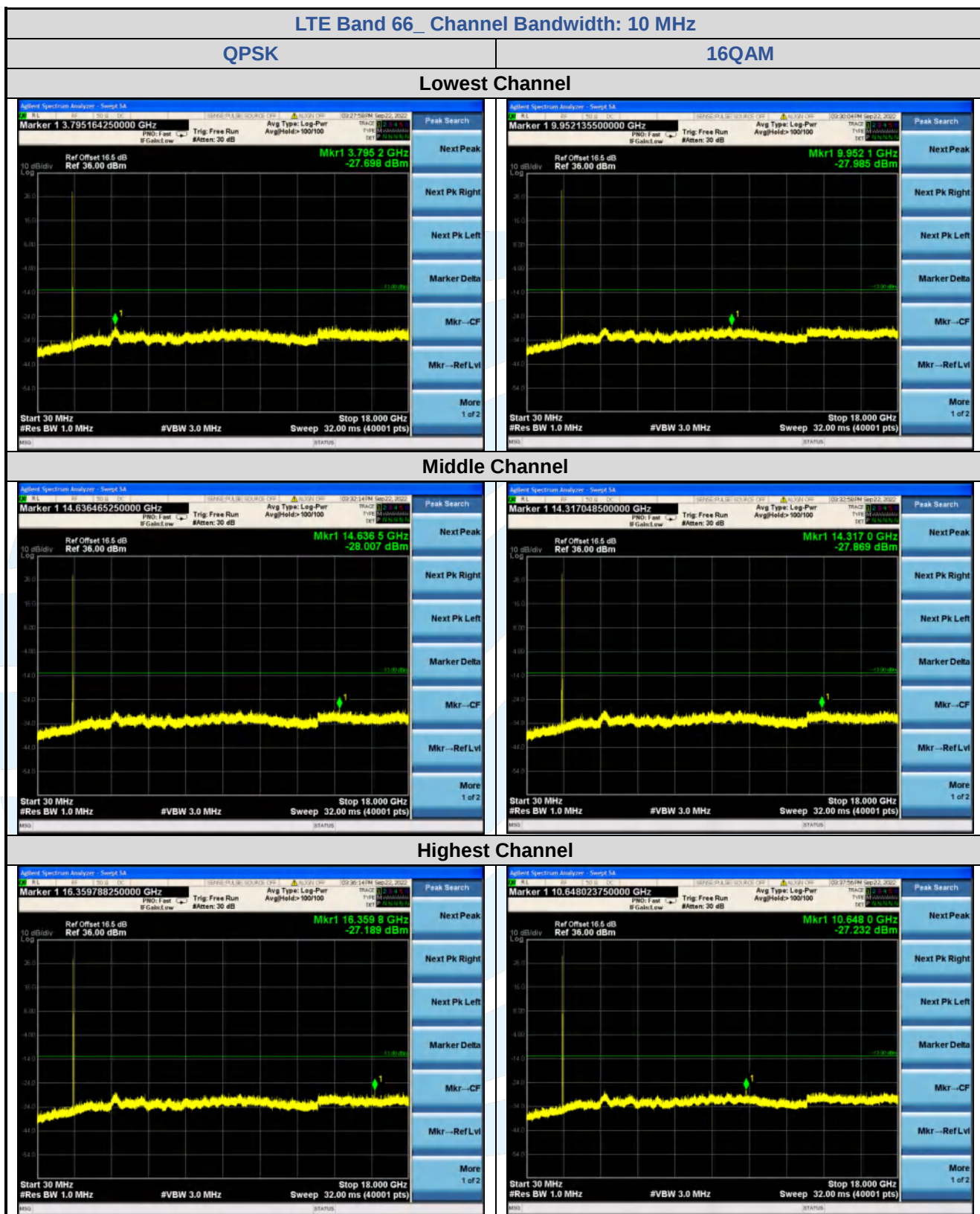


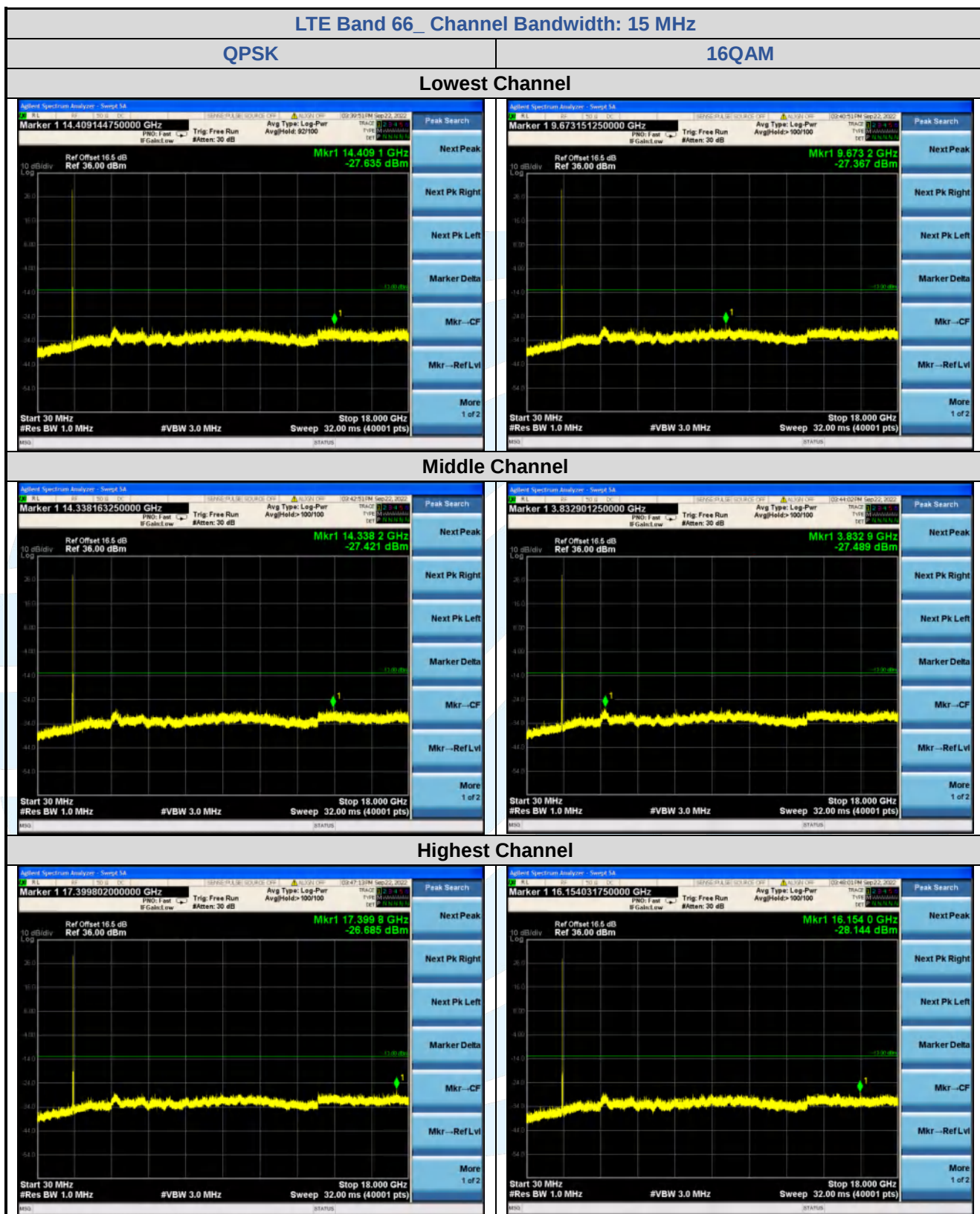
## 5.7.7 LTE Band 66

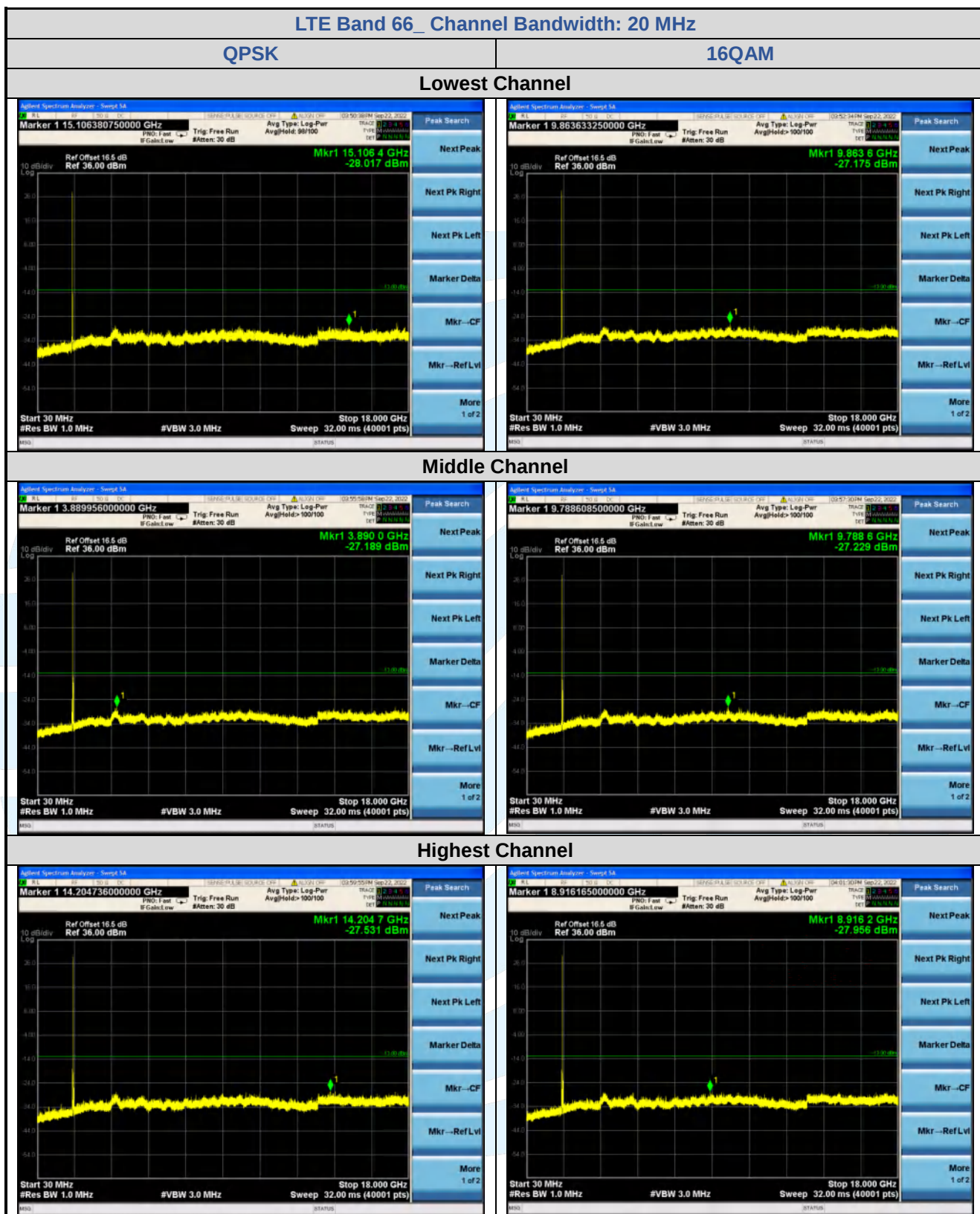


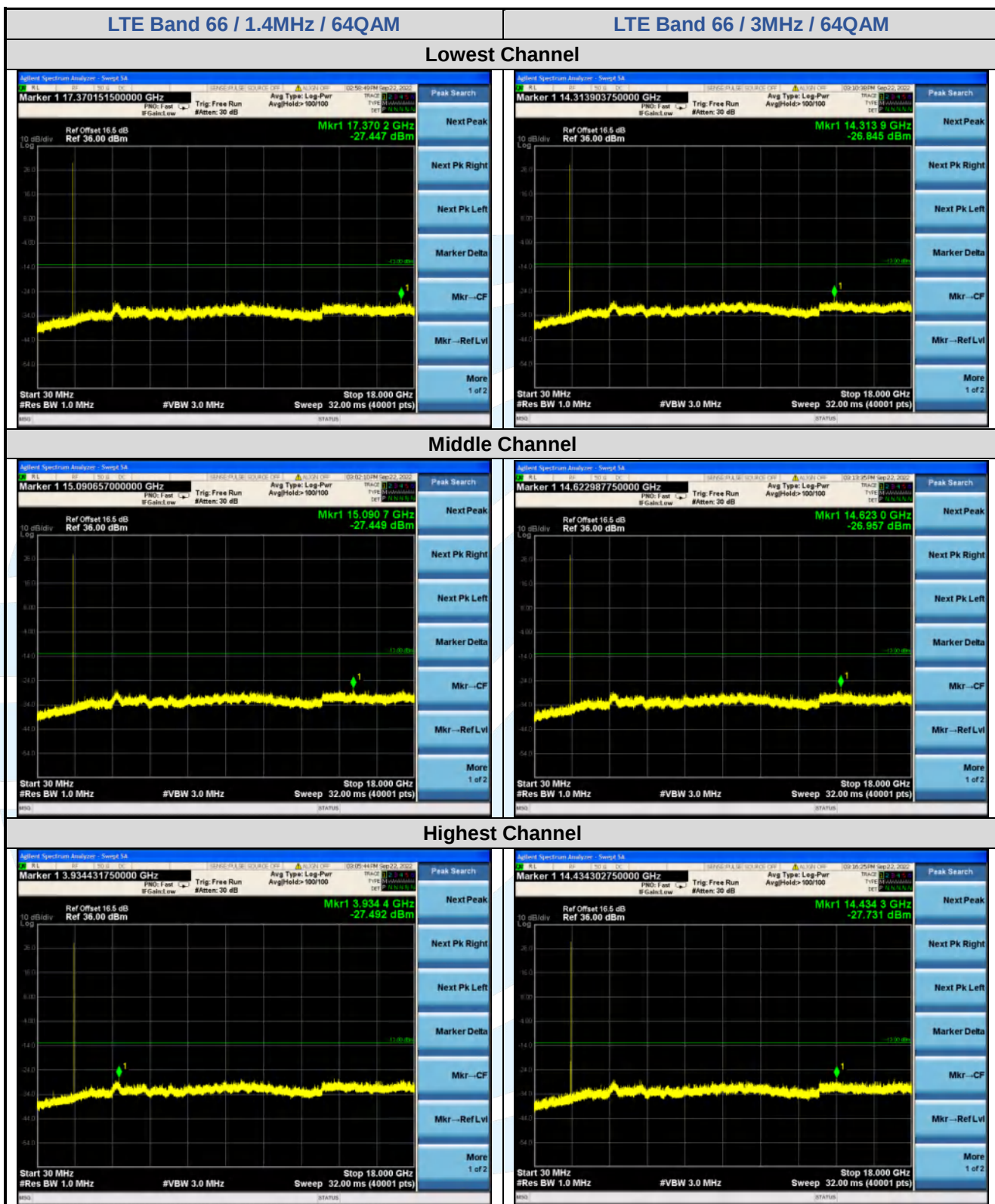


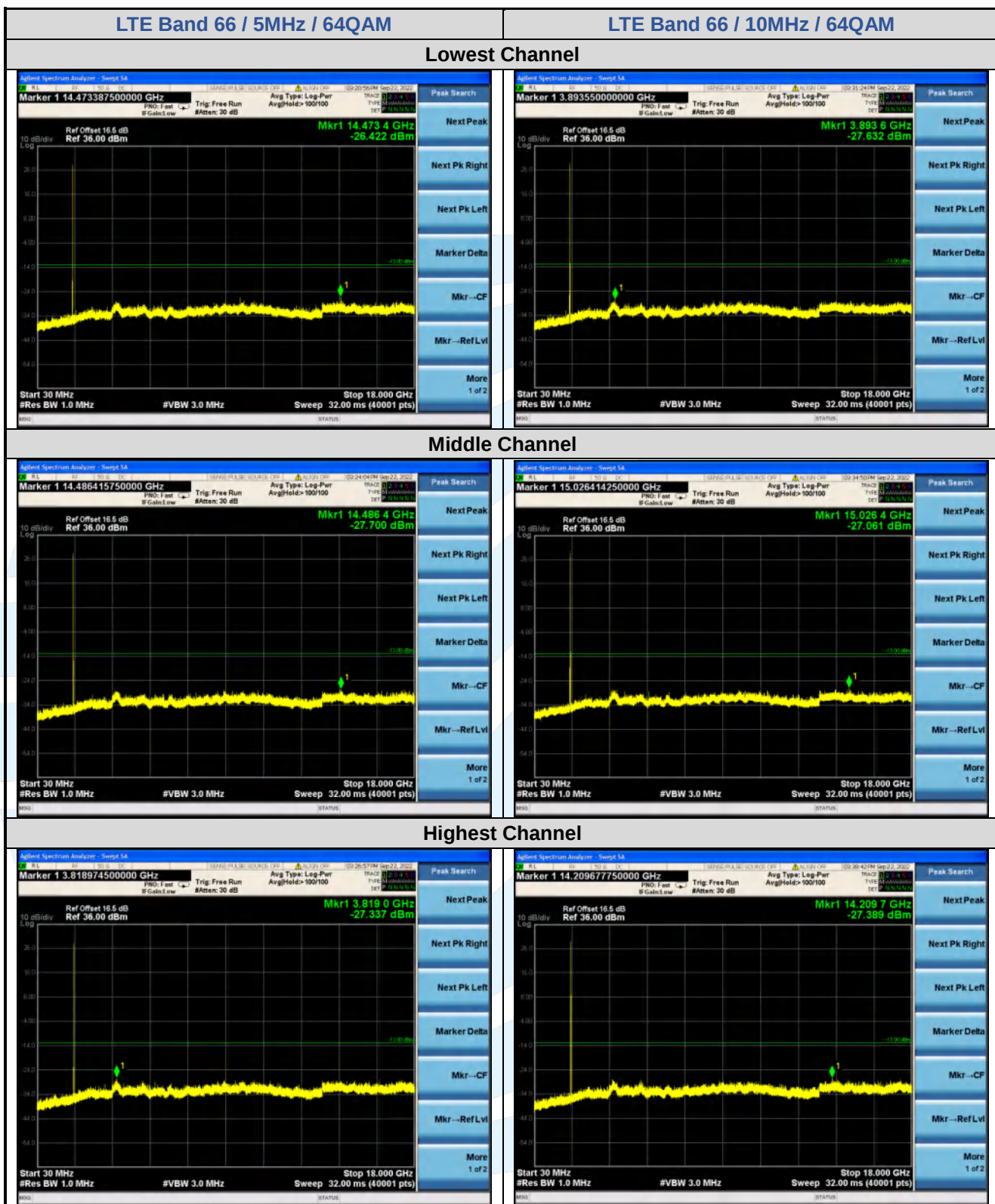


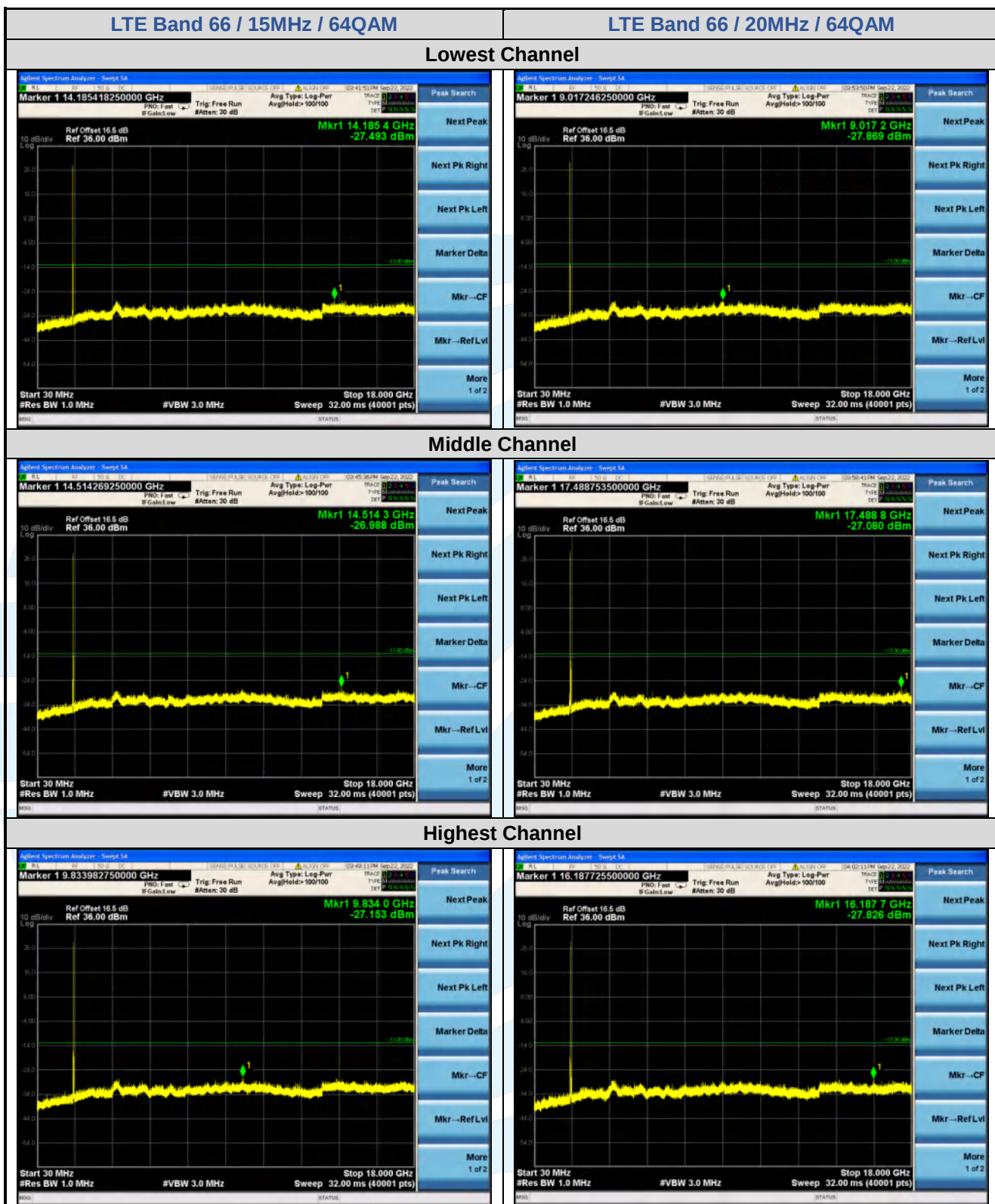












## 5.8 FIELD STRENGTH OF SPURIOUS RADIATION

**Test Requirement:** LTE Band 2: FCC 47 CFR Part 24.238(a)  
LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.53(h)  
LTE Band 5: FCC 47 CFR Part 22.917(a)  
LTE Band 12 & Band 17: FCC 47 CFR Part 27.53(g)  
LTE Band 30: FCC 47 CFR Part 27.53(a)(4)

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01

**Receiver Setup:**

| Frequency        | Detector   | RBW     | VBW     | Remark |
|------------------|------------|---------|---------|--------|
| 0.009 MHz-30 MHz | Peak       | 10 kHz  | 30 KHz  | Peak   |
| 30 MHz-1 GHz     | Quasi-peak | 100 kHz | 300 KHz | Peak   |
| Above 1 GHz      | Peak       | 1 MHz   | 3 MHz   | Peak   |

**Limits:**

**FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a), 27.53(g):**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to -13 dBm.

**FCC 47 CFR Part 27.53(a)(4):** For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

(i) By a factor of not less than:  $43 + 10 \log(P)$  dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than  $55 + 10 \log(P)$  dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than  $61 + 10 \log(P)$  dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than  $67 + 10 \log(P)$  dB on all frequencies between 2328 and 2337 MHz;

(ii) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2300 and 2305 MHz,  $55 + 10 \log(P)$  dB on all frequencies between 2296 and 2300 MHz,  $61 + 10 \log(P)$  dB on all frequencies between 2292 and 2296 MHz,  $67 + 10 \log(P)$  dB on all frequencies between 2288 and 2292 MHz, and  $70 + 10 \log(P)$  dB below 2288 MHz;

(iii) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2360 and 2365 MHz, and not less than  $70 + 10 \log(P)$  dB above 2365 MHz.

**Test Setup:** Refer to section 4.2.1 for details.

**Test Procedures:** KDB 971168 D01v03r01 Section 7

**Equipment Used:** Refer to section 3 for details.

**Test Result:** Pass

**The measurement data as follows:**

### 5.8.1 LTE Band 2

| LTE Band 2_ 20 MHz_ QPSK |                    |                        |                                |                         |                |                |            |
|--------------------------|--------------------|------------------------|--------------------------------|-------------------------|----------------|----------------|------------|
| No.                      | Frequency<br>(MHz) | SA<br>Reading<br>(dBm) | Correction<br>factor<br>(dB/m) | EIRP<br>Result<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Ant. Pol.  |
| Lowest Channel           |                    |                        |                                |                         |                |                |            |
| 1                        | 33.570             | -74.30                 | 4.68                           | -69.62                  | -13.00         | -56.62         | Horizontal |
| 2                        | 392.738            | -70.77                 | 4.89                           | -65.88                  | -13.00         | -52.88         | Horizontal |
| 3                        | 958.714            | -68.51                 | 14.29                          | -54.22                  | -13.00         | -41.22         | Horizontal |
| 4                        | 3720.000           | -45.26                 | 7.65                           | -37.61                  | -13.00         | -24.61         | Horizontal |
| 5                        | 5580.000           | -58.04                 | 11.70                          | -46.34                  | -13.00         | -33.34         | Horizontal |
| 6                        | 30.639             | -73.00                 | 5.09                           | -67.91                  | -13.00         | -54.91         | Vertical   |
| 7                        | 193.137            | -70.43                 | -0.77                          | -71.20                  | -13.00         | -58.20         | Vertical   |
| 8                        | 952.000            | -68.55                 | 14.25                          | -54.30                  | -13.00         | -41.30         | Vertical   |
| 9                        | 3720.000           | -50.34                 | 7.65                           | -42.69                  | -13.00         | -29.69         | Vertical   |
| 10                       | 5580.000           | -55.59                 | 11.70                          | -43.89                  | -13.00         | -30.89         | Vertical   |
| Middle Channel           |                    |                        |                                |                         |                |                |            |
| 1                        | 35.263             | -74.64                 | 5.02                           | -69.62                  | -13.00         | -56.62         | Horizontal |
| 2                        | 350.972            | -73.56                 | 4.51                           | -69.05                  | -13.00         | -56.05         | Horizontal |
| 3                        | 945.334            | -70.89                 | 14.20                          | -56.69                  | -13.00         | -43.69         | Horizontal |
| 4                        | 3760.000           | -44.00                 | 7.79                           | -36.21                  | -13.00         | -23.21         | Horizontal |
| 5                        | 5640.000           | -57.56                 | 11.56                          | -46.00                  | -13.00         | -33.00         | Horizontal |
| 6                        | 31.959             | -75.26                 | 4.86                           | -70.40                  | -13.00         | -57.40         | Vertical   |
| 7                        | 227.016            | -75.56                 | -0.98                          | -76.54                  | -13.00         | -63.54         | Vertical   |
| 8                        | 972.283            | -73.31                 | 14.39                          | -58.92                  | -13.00         | -45.92         | Vertical   |
| 9                        | 3760.000           | -46.89                 | 7.79                           | -39.10                  | -13.00         | -26.10         | Vertical   |
| 10                       | 5640.000           | -54.93                 | 11.56                          | -43.37                  | -13.00         | -30.37         | Vertical   |
| Highest Channel          |                    |                        |                                |                         |                |                |            |
| 1                        | 30.639             | -77.53                 | 5.09                           | -72.44                  | -13.00         | -59.44         | Horizontal |
| 2                        | 384.545            | -75.14                 | 4.78                           | -70.36                  | -13.00         | -57.36         | Horizontal |
| 3                        | 958.714            | -72.25                 | 14.29                          | -57.96                  | -13.00         | -44.96         | Horizontal |
| 4                        | 3800.000           | -38.92                 | 7.93                           | -30.99                  | -13.00         | -17.99         | Horizontal |
| 5                        | 5700.000           | -54.68                 | 11.43                          | -43.25                  | -13.00         | -30.25         | Horizontal |
| 6                        | 35.016             | -74.72                 | 5.31                           | -69.41                  | -13.00         | -56.41         | Vertical   |
| 7                        | 334.126            | -70.59                 | 3.90                           | -66.69                  | -13.00         | -53.69         | Vertical   |
| 8                        | 972.283            | -68.76                 | 14.39                          | -54.37                  | -13.00         | -41.37         | Vertical   |
| 9                        | 3800.000           | -50.06                 | 7.93                           | -42.13                  | -13.00         | -29.13         | Vertical   |
| 10                       | 5700.000           | -52.88                 | 11.43                          | -41.45                  | -13.00         | -28.45         | Vertical   |

### 5.8.2 LTE Band 4

| LTE Band 4_20 MHz_QPSK |                    |                        |                                |                         |                |                |            |
|------------------------|--------------------|------------------------|--------------------------------|-------------------------|----------------|----------------|------------|
| No.                    | Frequency<br>(MHz) | SA<br>Reading<br>(dBm) | Correction<br>factor<br>(dB/m) | EIRP<br>Result<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Ant. Pol.  |
| Lowest Channel         |                    |                        |                                |                         |                |                |            |
| 1                      | 34.770             | -76.89                 | 5.16                           | -71.73                  | -13.00         | -58.73         | Horizontal |
| 2                      | 403.934            | -73.27                 | 5.21                           | -68.06                  | -13.00         | -55.06         | Horizontal |
| 3                      | 992.997            | -72.90                 | 14.78                          | -58.12                  | -13.00         | -45.12         | Horizontal |
| 4                      | 3440.000           | -46.32                 | 6.53                           | -39.79                  | -13.00         | -26.79         | Horizontal |
| 5                      | 5160.000           | -49.65                 | 10.10                          | -39.55                  | -13.00         | -26.55         | Horizontal |
| 6                      | 35.016             | -74.12                 | 5.31                           | -68.81                  | -13.00         | -55.81         | Vertical   |
| 7                      | 350.972            | -71.83                 | 4.51                           | -67.32                  | -13.00         | -54.32         | Vertical   |
| 8                      | 972.283            | -70.26                 | 14.39                          | -55.87                  | -13.00         | -42.87         | Vertical   |
| 9                      | 3440.000           | -45.59                 | 6.53                           | -39.06                  | -13.00         | -26.06         | Vertical   |
| 10                     | 5160.000           | -50.27                 | 10.10                          | -40.17                  | -13.00         | -27.17         | Vertical   |
| Middle Channel         |                    |                        |                                |                         |                |                |            |
| 1                      | 35.016             | -74.25                 | 5.31                           | -68.94                  | -13.00         | -55.94         | Horizontal |
| 2                      | 495.238            | -71.97                 | 6.67                           | -65.30                  | -13.00         | -52.30         | Horizontal |
| 3                      | 925.613            | -69.30                 | 14.06                          | -55.24                  | -13.00         | -42.24         | Horizontal |
| 4                      | 5197.500           | -53.69                 | 10.25                          | -43.44                  | -13.00         | -30.44         | Horizontal |
| 5                      | 6930.000           | -56.55                 | 12.77                          | -43.78                  | -13.00         | -30.78         | Horizontal |
| 6                      | 34.527             | -76.71                 | 4.99                           | -71.72                  | -13.00         | -58.72         | Vertical   |
| 7                      | 318.088            | -74.65                 | 3.63                           | -71.02                  | -13.00         | -58.02         | Vertical   |
| 8                      | 925.613            | -72.35                 | 14.06                          | -58.29                  | -13.00         | -45.29         | Vertical   |
| 9                      | 5197.500           | -55.76                 | 10.25                          | -45.51                  | -13.00         | -32.51         | Vertical   |
| 10                     | 6930.000           | -55.69                 | 12.77                          | -42.92                  | -13.00         | -29.92         | Vertical   |
| Highest Channel        |                    |                        |                                |                         |                |                |            |
| 1                      | 30.425             | -71.60                 | 5.13                           | -66.47                  | -13.00         | -53.47         | Horizontal |
| 2                      | 201.454            | -68.61                 | -1.13                          | -69.74                  | -13.00         | -56.74         | Horizontal |
| 3                      | 979.139            | -67.03                 | 14.44                          | -52.59                  | -13.00         | -39.59         | Horizontal |
| 4                      | 5235.000           | -54.13                 | 10.44                          | -43.69                  | -13.00         | -30.69         | Horizontal |
| 5                      | 6980.000           | -48.52                 | 12.81                          | -35.71                  | -13.00         | -22.71         | Horizontal |
| 6                      | 30.855             | -74.86                 | 5.05                           | -69.81                  | -13.00         | -56.81         | Vertical   |
| 7                      | 371.268            | -71.12                 | 4.12                           | -67.00                  | -13.00         | -54.00         | Vertical   |
| 8                      | 965.474            | -70.49                 | 14.34                          | -56.15                  | -13.00         | -43.15         | Vertical   |
| 9                      | 5235.000           | -53.56                 | 10.44                          | -43.12                  | -13.00         | -30.12         | Vertical   |
| 10                     | 6980.000           | -47.71                 | 12.81                          | -34.90                  | -13.00         | -21.90         | Vertical   |

### 5.8.3 LTE Band 5

| LTE Band 5_ 10 MHz_ QPSK |                    |                        |                                |                         |                |                |            |
|--------------------------|--------------------|------------------------|--------------------------------|-------------------------|----------------|----------------|------------|
| No.                      | Frequency<br>(MHz) | SA<br>Reading<br>(dBm) | Correction<br>factor<br>(dB/m) | EIRP<br>Result<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Ant. Pol.  |
| Lowest Channel           |                    |                        |                                |                         |                |                |            |
| 1                        | 34.527             | -91.38                 | 33.80                          | -57.58                  | -13.00         | -44.58         | Horizontal |
| 2                        | 236.793            | -89.32                 | 28.09                          | -61.23                  | -13.00         | -48.23         | Horizontal |
| 3                        | 965.474            | -86.01                 | 43.05                          | -42.96                  | -13.00         | -29.96         | Horizontal |
| 4                        | 1658.000           | -57.79                 | 0.27                           | -57.52                  | -13.00         | -44.52         | Horizontal |
| 5                        | 2487.000           | -64.35                 | 3.64                           | -60.71                  | -13.00         | -47.71         | Horizontal |
| 6                        | 35.016             | -90.80                 | 34.12                          | -56.68                  | -13.00         | -43.68         | Vertical   |
| 7                        | 243.543            | -89.83                 | 28.83                          | -61.00                  | -13.00         | -48.00         | Vertical   |
| 8                        | 932.141            | -87.08                 | 42.91                          | -44.17                  | -13.00         | -31.17         | Vertical   |
| 9                        | 1658.000           | -51.55                 | 0.27                           | -51.28                  | -13.00         | -38.28         | Vertical   |
| 10                       | 2487.000           | -66.61                 | 3.64                           | -62.97                  | -13.00         | -49.97         | Vertical   |
| Middle Channel           |                    |                        |                                |                         |                |                |            |
| 1                        | 34.285             | -91.83                 | 33.62                          | -58.21                  | -13.00         | -45.21         | Horizontal |
| 2                        | 294.426            | -90.39                 | 31.01                          | -59.38                  | -13.00         | -46.38         | Horizontal |
| 3                        | 938.714            | -87.58                 | 42.94                          | -44.64                  | -13.00         | -31.64         | Horizontal |
| 4                        | 1673.000           | -58.86                 | 0.36                           | -58.50                  | -13.00         | -45.50         | Horizontal |
| 5                        | 2509.500           | -67.68                 | 3.71                           | -63.97                  | -13.00         | -50.97         | Horizontal |
| 6                        | 35.511             | -92.33                 | 33.54                          | -58.79                  | -13.00         | -45.79         | Vertical   |
| 7                        | 478.139            | -88.43                 | 35.31                          | -53.12                  | -13.00         | -40.12         | Vertical   |
| 8                        | 958.714            | -87.34                 | 43.02                          | -44.32                  | -13.00         | -31.32         | Vertical   |
| 9                        | 1673.000           | -56.69                 | 0.36                           | -56.33                  | -13.00         | -43.33         | Vertical   |
| 10                       | 2509.500           | -65.97                 | 3.71                           | -62.26                  | -13.00         | -49.26         | Vertical   |
| Highest Channel          |                    |                        |                                |                         |                |                |            |
| 1                        | 35.762             | -92.47                 | 33.25                          | -59.22                  | -13.00         | -46.22         | Horizontal |
| 2                        | 679.435            | -87.88                 | 39.83                          | -48.05                  | -13.00         | -35.05         | Horizontal |
| 3                        | 887.398            | -86.28                 | 42.64                          | -43.64                  | -13.00         | -30.64         | Horizontal |
| 4                        | 1688.000           | -51.57                 | 0.46                           | -51.11                  | -13.00         | -38.11         | Horizontal |
| 5                        | 2532.000           | -67.39                 | 3.76                           | -63.63                  | -13.00         | -50.63         | Horizontal |
| 6                        | 35.016             | -92.69                 | 34.12                          | -58.57                  | -13.00         | -45.57         | Vertical   |
| 7                        | 660.602            | -86.81                 | 39.56                          | -47.25                  | -13.00         | -34.25         | Vertical   |
| 8                        | 965.474            | -87.67                 | 43.05                          | -44.62                  | -13.00         | -31.62         | Vertical   |
| 9                        | 1688.000           | -54.25                 | 0.46                           | -53.79                  | -13.00         | -40.79         | Vertical   |
| 10                       | 2532.000           | -67.64                 | 3.76                           | -63.88                  | -13.00         | -50.88         | Vertical   |

#### 5.8.4 LTE Band 12

| LTE Band 12_ 10 MHz_ QPSK |                    |                        |                                |                         |                |                |            |
|---------------------------|--------------------|------------------------|--------------------------------|-------------------------|----------------|----------------|------------|
| No.                       | Frequency<br>(MHz) | SA<br>Reading<br>(dBm) | Correction<br>factor<br>(dB/m) | EIRP<br>Result<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Ant. Pol.  |
| Lowest Channel            |                    |                        |                                |                         |                |                |            |
| 1                         | 34.045             | -92.47                 | 33.45                          | -59.02                  | -13.00         | -46.02         | Horizontal |
| 2                         | 646.822            | -88.67                 | 39.37                          | -49.30                  | -13.00         | -36.30         | Horizontal |
| 3                         | 938.714            | -88.26                 | 42.94                          | -45.32                  | -13.00         | -32.32         | Horizontal |
| 4                         | 1408.000           | -68.12                 | -0.88                          | -69.00                  | -13.00         | -56.00         | Horizontal |
| 5                         | 2112.000           | -69.13                 | 2.42                           | -66.71                  | -13.00         | -53.71         | Horizontal |
| 6                         | 30.855             | -92.56                 | 33.86                          | -58.70                  | -13.00         | -45.70         | Vertical   |
| 7                         | 542.610            | -89.58                 | 37.09                          | -52.49                  | -13.00         | -39.49         | Vertical   |
| 8                         | 925.613            | -87.54                 | 42.88                          | -44.66                  | -13.00         | -31.66         | Vertical   |
| 9                         | 1408.000           | -67.41                 | -0.88                          | -68.29                  | -13.00         | -55.29         | Vertical   |
| 10                        | 2112.000           | -69.69                 | 2.42                           | -67.27                  | -13.00         | -54.27         | Vertical   |
| Middle Channel            |                    |                        |                                |                         |                |                |            |
| 1                         | 33.101             | -90.94                 | 33.57                          | -57.37                  | -13.00         | -44.37         | Horizontal |
| 2                         | 684.226            | -89.15                 | 40.01                          | -49.14                  | -13.00         | -36.14         | Horizontal |
| 3                         | 952.000            | -87.87                 | 42.99                          | -44.88                  | -13.00         | -31.88         | Horizontal |
| 4                         | 1415.000           | -66.56                 | -0.85                          | -67.41                  | -13.00         | -54.41         | Horizontal |
| 5                         | 2122.500           | -69.16                 | 2.45                           | -66.71                  | -13.00         | -53.71         | Horizontal |
| 6                         | 35.016             | -92.20                 | 34.12                          | -58.08                  | -13.00         | -45.08         | Vertical   |
| 7                         | 590.351            | -89.99                 | 37.95                          | -52.04                  | -13.00         | -39.04         | Vertical   |
| 8                         | 979.139            | -87.17                 | 43.11                          | -44.06                  | -13.00         | -31.06         | Vertical   |
| 9                         | 1415.000           | -64.72                 | -0.85                          | -65.57                  | -13.00         | -52.57         | Vertical   |
| 10                        | 2122.500           | -68.79                 | 2.45                           | -66.34                  | -13.00         | -53.34         | Vertical   |
| Highest Channel           |                    |                        |                                |                         |                |                |            |
| 1                         | 33.101             | -92.04                 | 33.57                          | -58.47                  | -13.00         | -45.47         | Horizontal |
| 2                         | 642.292            | -88.84                 | 39.29                          | -49.55                  | -13.00         | -36.55         | Horizontal |
| 3                         | 932.141            | -88.10                 | 42.91                          | -45.19                  | -13.00         | -32.19         | Horizontal |
| 4                         | 1422.000           | -64.66                 | -0.83                          | -65.49                  | -13.00         | -52.49         | Horizontal |
| 5                         | 2133.000           | -67.89                 | 2.46                           | -65.43                  | -13.00         | -52.43         | Horizontal |
| 6                         | 35.762             | -90.92                 | 33.25                          | -57.67                  | -13.00         | -44.67         | Vertical   |
| 7                         | 598.707            | -89.22                 | 38.21                          | -51.01                  | -13.00         | -38.01         | Vertical   |
| 8                         | 938.714            | -86.74                 | 42.94                          | -43.80                  | -13.00         | -30.80         | Vertical   |
| 9                         | 1422.000           | -66.72                 | -0.83                          | -67.55                  | -13.00         | -54.55         | Vertical   |
| 10                        | 2133.000           | -67.39                 | 2.46                           | -64.93                  | -13.00         | -51.93         | Vertical   |

### 5.8.5 LTE Band 17

| LTE Band 17_ 5 MHz_ QPSK |                    |                        |                                |                         |                |                |            |
|--------------------------|--------------------|------------------------|--------------------------------|-------------------------|----------------|----------------|------------|
| No.                      | Frequency<br>(MHz) | SA<br>Reading<br>(dBm) | Correction<br>factor<br>(dB/m) | EIRP<br>Result<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Ant. Pol.  |
| Lowest Channel           |                    |                        |                                |                         |                |                |            |
| 1                        | 31.513             | -91.50                 | 33.75                          | -57.75                  | -13.00         | -44.75         | Horizontal |
| 2                        | 520.208            | -87.87                 | 36.39                          | -51.48                  | -13.00         | -38.48         | Horizontal |
| 3                        | 965.474            | -87.74                 | 43.05                          | -44.69                  | -13.00         | -31.69         | Horizontal |
| 4                        | 1418.000           | -66.52                 | -0.84                          | -67.36                  | -13.00         | -54.36         | Horizontal |
| 5                        | 2127.000           | -68.78                 | 2.45                           | -66.33                  | -13.00         | -53.33         | Horizontal |
| 6                        | 35.511             | -91.96                 | 33.54                          | -58.42                  | -13.00         | -45.42         | Vertical   |
| 7                        | 516.565            | -88.62                 | 36.45                          | -52.17                  | -13.00         | -39.17         | Vertical   |
| 8                        | 979.139            | -88.09                 | 43.11                          | -44.98                  | -13.00         | -31.98         | Vertical   |
| 9                        | 1418.000           | -65.64                 | -0.84                          | -66.48                  | -13.00         | -53.48         | Vertical   |
| 10                       | 2127.000           | -70.18                 | 2.45                           | -67.73                  | -13.00         | -54.73         | Vertical   |
| Middle Channel           |                    |                        |                                |                         |                |                |            |
| 1                        | 33.101             | -92.27                 | 33.57                          | -58.70                  | -13.00         | -45.70         | Horizontal |
| 2                        | 607.181            | -90.32                 | 38.37                          | -51.95                  | -13.00         | -38.95         | Horizontal |
| 3                        | 986.044            | -86.98                 | 43.28                          | -43.70                  | -13.00         | -30.70         | Horizontal |
| 4                        | 1420.000           | -67.01                 | -0.83                          | -67.84                  | -13.00         | -54.84         | Horizontal |
| 5                        | 2130.000           | -68.86                 | 2.45                           | -66.41                  | -13.00         | -53.41         | Horizontal |
| 6                        | 31.073             | -92.60                 | 33.83                          | -58.77                  | -13.00         | -45.77         | Vertical   |
| 7                        | 607.181            | -88.59                 | 38.37                          | -50.22                  | -13.00         | -37.22         | Vertical   |
| 8                        | 952.000            | -87.74                 | 42.99                          | -44.75                  | -13.00         | -31.75         | Vertical   |
| 9                        | 1420.000           | -65.82                 | -0.83                          | -66.65                  | -13.00         | -53.65         | Vertical   |
| 10                       | 2130.000           | -68.34                 | 2.45                           | -65.89                  | -13.00         | -52.89         | Vertical   |
| Highest Channel          |                    |                        |                                |                         |                |                |            |
| 1                        | 31.959             | -91.58                 | 33.67                          | -57.91                  | -13.00         | -44.91         | Horizontal |
| 2                        | 684.226            | -88.34                 | 40.01                          | -48.33                  | -13.00         | -35.33         | Horizontal |
| 3                        | 945.334            | -87.07                 | 42.96                          | -44.11                  | -13.00         | -31.11         | Horizontal |
| 4                        | 1422.000           | -66.87                 | -0.83                          | -67.70                  | -13.00         | -54.70         | Horizontal |
| 5                        | 2133.000           | -69.41                 | 2.46                           | -66.95                  | -13.00         | -53.95         | Horizontal |
| 6                        | 35.263             | -91.11                 | 33.83                          | -57.28                  | -13.00         | -44.28         | Vertical   |
| 7                        | 660.602            | -88.78                 | 39.56                          | -49.22                  | -13.00         | -36.22         | Vertical   |
| 8                        | 986.044            | -87.81                 | 43.28                          | -44.53                  | -13.00         | -31.53         | Vertical   |
| 9                        | 1422.000           | -66.09                 | -0.83                          | -66.92                  | -13.00         | -53.92         | Vertical   |
| 10                       | 2133.000           | -68.25                 | 2.46                           | -65.79                  | -13.00         | -52.79         | Vertical   |

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### 5.8.6 LTE Band 30

| LTE Band 30_ 5 MHz_ QPSK |                    |                        |                                |                         |                |                |            |
|--------------------------|--------------------|------------------------|--------------------------------|-------------------------|----------------|----------------|------------|
| No.                      | Frequency<br>(MHz) | SA<br>Reading<br>(dBm) | Correction<br>factor<br>(dB/m) | EIRP<br>Result<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Ant. Pol.  |
| Lowest Channel           |                    |                        |                                |                         |                |                |            |
| 1                        | 31.292             | -76.18                 | 4.97                           | -71.21                  | -40.00         | -31.21         | Horizontal |
| 2                        | 409.651            | -71.25                 | 5.21                           | -66.04                  | -40.00         | -26.04         | Horizontal |
| 3                        | 965.474            | -71.35                 | 14.34                          | -57.01                  | -40.00         | -17.01         | Horizontal |
| 4                        | 4615.000           | -53.95                 | 9.27                           | -44.68                  | -40.00         | -4.68          | Horizontal |
| 5                        | 6922.500           | -59.85                 | 12.78                          | -47.07                  | -40.00         | -7.07          | Horizontal |
| 6                        | 32.411             | -75.81                 | 4.82                           | -70.99                  | -40.00         | -30.99         | Vertical   |
| 7                        | 185.163            | -74.38                 | -0.80                          | -75.18                  | -40.00         | -35.18         | Vertical   |
| 8                        | 979.139            | -71.62                 | 14.44                          | -57.18                  | -40.00         | -17.18         | Vertical   |
| 9                        | 4615.000           | -55.06                 | 9.27                           | -45.79                  | -40.00         | -5.79          | Vertical   |
| 10                       | 6922.500           | -60.63                 | 12.78                          | -47.85                  | -40.00         | -7.85          | Vertical   |
| Middle Channel           |                    |                        |                                |                         |                |                |            |
| 1                        | 30.425             | -74.97                 | 5.13                           | -69.84                  | -40.00         | -29.84         | Horizontal |
| 2                        | 243.543            | -71.86                 | 0.71                           | -71.15                  | -40.00         | -31.15         | Horizontal |
| 3                        | 952.000            | -69.77                 | 14.25                          | -55.52                  | -40.00         | -15.52         | Horizontal |
| 4                        | 4620.000           | -53.81                 | 9.28                           | -44.53                  | -40.00         | -4.53          | Horizontal |
| 5                        | 6930.000           | -60.36                 | 12.77                          | -47.59                  | -40.00         | -7.59          | Horizontal |
| 6                        | 34.770             | -76.40                 | 5.16                           | -71.24                  | -40.00         | -31.24         | Vertical   |
| 7                        | 334.126            | -73.01                 | 3.90                           | -69.11                  | -40.00         | -29.11         | Vertical   |
| 8                        | 986.044            | -72.03                 | 14.63                          | -57.40                  | -40.00         | -17.40         | Vertical   |
| 9                        | 4620.000           | -54.51                 | 9.28                           | -45.23                  | -40.00         | -5.23          | Vertical   |
| 10                       | 6930.000           | -57.32                 | 12.77                          | -44.55                  | -40.00         | -4.55          | Vertical   |
| Highest Channel          |                    |                        |                                |                         |                |                |            |
| 1                        | 32.184             | -73.63                 | 4.84                           | -68.79                  | -40.00         | -28.79         | Horizontal |
| 2                        | 363.523            | -71.20                 | 4.57                           | -66.63                  | -40.00         | -26.63         | Horizontal |
| 3                        | 979.139            | -69.65                 | 14.44                          | -55.21                  | -40.00         | -15.21         | Horizontal |
| 4                        | 4625.000           | -55.49                 | 9.27                           | -46.22                  | -40.00         | -6.22          | Horizontal |
| 5                        | 6937.500           | -58.99                 | 12.78                          | -46.21                  | -40.00         | -6.21          | Horizontal |
| 6                        | 34.285             | -77.81                 | 4.81                           | -73.00                  | -40.00         | -33.00         | Vertical   |
| 7                        | 176.275            | -74.44                 | -0.74                          | -75.18                  | -40.00         | -35.18         | Vertical   |
| 8                        | 986.044            | -73.32                 | 14.63                          | -58.69                  | -40.00         | -18.69         | Vertical   |
| 9                        | 4625.000           | -54.95                 | 9.27                           | -45.68                  | -40.00         | -5.68          | Vertical   |
| 10                       | 6937.500           | -56.45                 | 12.78                          | -43.67                  | -40.00         | -3.67          | Vertical   |

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| LTE Band 30_ 10 MHz_ QPSK |           |            |                   |             |        |        |            |
|---------------------------|-----------|------------|-------------------|-------------|--------|--------|------------|
| No.                       | Frequency | SA Reading | Correction factor | EIRP Result | Limit  | Margin | Ant. Pol.  |
|                           | (MHz)     | (dBm)      | (dB/m)            | (dBm)       | (dBm)  | (dB)   |            |
| Middle Channel            |           |            |                   |             |        |        |            |
| 1                         | 33.807    | -76.03     | 4.64              | -71.39      | -40.00 | -31.39 | Horizontal |
| 2                         | 371.268   | -73.16     | 4.12              | -69.04      | -40.00 | -29.04 | Horizontal |
| 3                         | 958.714   | -72.94     | 14.29             | -58.65      | -40.00 | -18.65 | Horizontal |
| 4                         | 4620.000  | -52.96     | 9.28              | -43.68      | -40.00 | -3.68  | Horizontal |
| 5                         | 6930.000  | -56.00     | 12.77             | -43.23      | -40.00 | -3.23  | Horizontal |
| 6                         | 31.513    | -76.13     | 4.94              | -71.19      | -40.00 | -31.19 | Vertical   |
| 7                         | 366.087   | -73.52     | 4.48              | -69.04      | -40.00 | -29.04 | Vertical   |
| 8                         | 986.044   | -71.53     | 14.63             | -56.90      | -40.00 | -16.90 | Vertical   |
| 9                         | 4620.000  | -54.91     | 9.28              | -45.63      | -40.00 | -5.63  | Vertical   |
| 10                        | 6930.000  | -56.96     | 12.77             | -44.19      | -40.00 | -4.19  | Vertical   |

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### 5.8.7 LTE Band 66

| LTE Band 66_ 20 MHz_ QPSK |           |            |                   |             |        |        |            |
|---------------------------|-----------|------------|-------------------|-------------|--------|--------|------------|
| No.                       | Frequency | SA Reading | Correction factor | EIRP Result | Limit  | Margin | Ant. Pol.  |
|                           | (MHz)     | (dBm)      | (dB/m)            | (dBm)       | (dBm)  | (dB)   |            |
| Lowest Channel            |           |            |                   |             |        |        |            |
| 1                         | 34.770    | -73.17     | 5.16              | -68.01      | -13.00 | -55.01 | Horizontal |
| 2                         | 329.462   | -70.50     | 3.84              | -66.66      | -13.00 | -53.66 | Horizontal |
| 3                         | 958.714   | -68.93     | 14.29             | -54.64      | -13.00 | -41.64 | Horizontal |
| 4                         | 3440.000  | -50.01     | 6.53              | -43.48      | -13.00 | -30.48 | Horizontal |
| 5                         | 6880.000  | -56.69     | 12.73             | -43.96      | -13.00 | -30.96 | Horizontal |
| 6                         | 30.855    | -71.40     | 5.05              | -66.35      | -13.00 | -53.35 | Vertical   |
| 7                         | 278.331   | -69.00     | 2.13              | -66.87      | -13.00 | -53.87 | Vertical   |
| 8                         | 992.997   | -65.81     | 14.78             | -51.03      | -13.00 | -38.03 | Vertical   |
| 9                         | 3440.000  | -52.67     | 6.53              | -46.14      | -13.00 | -33.14 | Vertical   |
| 10                        | 6880.000  | -54.51     | 12.73             | -41.78      | -13.00 | -28.78 | Vertical   |
| Middle Channel            |           |            |                   |             |        |        |            |
| 1                         | 35.511    | -75.32     | 4.73              | -70.59      | -13.00 | -57.59 | Horizontal |
| 2                         | 353.447   | -72.62     | 4.65              | -67.97      | -13.00 | -54.97 | Horizontal |
| 3                         | 965.474   | -70.05     | 14.34             | -55.71      | -13.00 | -42.71 | Horizontal |
| 4                         | 5235.000  | -59.27     | 10.44             | -48.83      | -13.00 | -35.83 | Horizontal |
| 5                         | 6980.000  | -55.67     | 12.81             | -42.86      | -13.00 | -29.86 | Horizontal |
| 6                         | 31.292    | -72.97     | 4.97              | -68.00      | -13.00 | -55.00 | Vertical   |
| 7                         | 311.452   | -70.96     | 3.57              | -67.39      | -13.00 | -54.39 | Vertical   |
| 8                         | 986.044   | -68.83     | 14.63             | -54.20      | -13.00 | -41.20 | Vertical   |
| 9                         | 5235.000  | -54.85     | 10.44             | -44.41      | -13.00 | -31.41 | Vertical   |
| 10                        | 6980.000  | -51.41     | 12.81             | -38.60      | -13.00 | -25.60 | Vertical   |
| Highest Channel           |           |            |                   |             |        |        |            |
| 1                         | 34.527    | -74.06     | 4.99              | -69.07      | -13.00 | -56.07 | Horizontal |
| 2                         | 403.934   | -71.78     | 5.21              | -66.57      | -13.00 | -53.57 | Horizontal |
| 3                         | 972.283   | -70.04     | 14.39             | -55.65      | -13.00 | -42.65 | Horizontal |
| 4                         | 5310.000  | -58.83     | 10.85             | -47.98      | -13.00 | -34.98 | Horizontal |
| 5                         | 7080.000  | -52.95     | 12.96             | -39.99      | -13.00 | -26.99 | Horizontal |
| 6                         | 35.016    | -75.25     | 5.31              | -69.94      | -13.00 | -56.94 | Vertical   |
| 7                         | 353.447   | -73.07     | 4.65              | -68.42      | -13.00 | -55.42 | Vertical   |
| 8                         | 932.141   | -71.05     | 14.11             | -56.94      | -13.00 | -43.94 | Vertical   |
| 9                         | 5310.000  | -55.22     | 10.85             | -44.37      | -13.00 | -31.37 | Vertical   |
| 10                        | 7080.000  | -52.04     | 12.96             | -39.08      | -13.00 | -26.08 | Vertical   |

Remark:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result – Limit

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## 5.9 FREQUENCY STABILITY

**Test Requirement:** FCC 47 CFR Part 2.1055 &  
FCC 47 CFR Part 22.355 &  
FCC 47 CFR Part 24.235 &  
FCC 47 CFR Part 27.54

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01

### Limits:

**FCC 47 CFR Part 22.355, FCC 47 CFR Part 90.213**

The carrier frequency shall not depart from the reference frequency in excess of  $\pm 2.5$  ppm for mobile stations.

**FCC 47 CFR Part 24.235, FCC 47 CFR Part 27.54**

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

**Test Setup:** Refer to section 4.2.2 for details.

### Test Procedures:

- 1) Use CMW 500 with Frequency Error measurement capability.
  - a) Temp. =  $-30^{\circ}$  to  $+50^{\circ}\text{C}$
  - b) Voltage = low voltage, 3.5 Vdc, Normal, 3.8 Vdc and High voltage, 4.35 Vdc.

- 2) Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to  $20^{\circ}\text{C}$  and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by  $10^{\circ}\text{C}$  degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until  $+50^{\circ}\text{C}$  is reached.

- 3) Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

**Equipment Used:** Refer to section 3 for details.

**Test Result:** Pass

| Modulation                   | Channel/<br>Frequency<br>(MHz) | Voltage<br>(Vdc) | Temperature<br>( $^{\circ}\text{C}$ ) | Deviation<br>(Hz) | Deviation<br>(ppm) | Limit<br>(ppm) | Pass/<br>Fail |
|------------------------------|--------------------------------|------------------|---------------------------------------|-------------------|--------------------|----------------|---------------|
| LTE Band 2 / 20MHz / Full RB |                                |                  |                                       |                   |                    |                |               |
| QPSK                         | 18900 /<br>1880.0              | VL               | TN                                    | -5.43             | -0.0029            | Note 1         | Pass          |
|                              |                                | VN               |                                       | -6.64             | -0.0035            |                | Pass          |
|                              |                                | VH               |                                       | -6.13             | -0.0033            |                | Pass          |
|                              |                                | VN               | 50                                    | -4.88             | -0.0026            |                | Pass          |
|                              |                                |                  | 40                                    | -4.32             | -0.0023            |                | Pass          |
|                              |                                |                  | 30                                    | -4.77             | -0.0025            |                | Pass          |
|                              |                                |                  | 20                                    | -5.03             | -0.0027            |                | Pass          |
|                              |                                |                  | 10                                    | -5.67             | -0.0030            |                | Pass          |
|                              |                                |                  | 0                                     | -6.19             | -0.0033            |                | Pass          |
|                              |                                |                  | -10                                   | -6.34             | -0.0034            |                | Pass          |
|                              |                                |                  | -20                                   | -7.22             | -0.0038            |                | Pass          |
|                              |                                |                  | -30                                   | -8.01             | -0.0043            |                | Pass          |

| Modulation                   | Channel/<br>Frequency | Voltage | Temperature | Deviation | Deviation | Limit  | Pass/<br>Fail |
|------------------------------|-----------------------|---------|-------------|-----------|-----------|--------|---------------|
|                              | (MHz)                 | (Vdc)   | (°C)        | (Hz)      | (ppm)     | (ppm)  |               |
| LTE Band 4 / 20MHz / Full RB |                       |         |             |           |           |        |               |
| QPSK                         | 20175 /<br>1732.5     | VL      | TN          | -5.44     | -0.0031   | Note 1 | Pass          |
|                              |                       | VN      |             | -4.89     | -0.0028   |        | Pass          |
|                              |                       | VH      |             | -6.11     | -0.0035   |        | Pass          |
|                              |                       | VN      | 50          | -5.88     | -0.0034   |        | Pass          |
|                              |                       |         | 40          | -5.56     | -0.0032   |        | Pass          |
|                              |                       |         | 30          | -5.45     | -0.0031   |        | Pass          |
|                              |                       |         | 20          | -4.89     | -0.0028   |        | Pass          |
|                              |                       |         | 10          | -4.78     | -0.0028   |        | Pass          |
|                              |                       |         | 0           | -5.23     | -0.0030   |        | Pass          |
|                              |                       |         | -10         | -6.14     | -0.0035   |        | Pass          |
|                              |                       |         | -20         | -7.09     | -0.0041   |        | Pass          |
|                              |                       |         | -30         | -5.83     | -0.0034   |        | Pass          |

| Modulation                   | Channel/<br>Frequency | Voltage | Temperature | Deviation | Deviation | Limit | Pass/<br>Fail |
|------------------------------|-----------------------|---------|-------------|-----------|-----------|-------|---------------|
|                              | (MHz)                 | (Vdc)   | (°C)        | (Hz)      | (ppm)     | (ppm) |               |
| LTE Band 5 / 10MHz / Full RB |                       |         |             |           |           |       |               |
| QPSK                         | 20525 / 836.5         | VL      | TN          | -5.34     | -0.0064   | ± 2.5 | Pass          |
|                              |                       | VN      |             | -5.67     | -0.0068   | ± 2.5 | Pass          |
|                              |                       | VH      |             | -5.91     | -0.0071   | ± 2.5 | Pass          |
|                              |                       | VN      | 50          | -6.23     | -0.0074   | ± 2.5 | Pass          |
|                              |                       |         | 40          | -6.63     | -0.0079   | ± 2.5 | Pass          |
|                              |                       |         | 30          | -4.89     | -0.0058   | ± 2.5 | Pass          |
|                              |                       |         | 20          | -5.01     | -0.0060   | ± 2.5 | Pass          |
|                              |                       |         | 10          | -6.04     | -0.0072   | ± 2.5 | Pass          |
|                              |                       |         | 0           | -5.55     | -0.0066   | ± 2.5 | Pass          |
|                              |                       |         | -10         | -5.78     | -0.0069   | ± 2.5 | Pass          |
|                              |                       |         | -20         | -5.81     | -0.0069   | ± 2.5 | Pass          |
|                              |                       |         | -30         | -5.86     | -0.0070   | ± 2.5 | Pass          |

| Modulation                    | Channel/<br>Frequency | Voltage | Temperature | Deviation | Deviation | Limit  | Pass/<br>Fail |
|-------------------------------|-----------------------|---------|-------------|-----------|-----------|--------|---------------|
|                               | (MHz)                 | (Vdc)   | (°C)        | (Hz)      | (ppm)     | (ppm)  |               |
| LTE Band 12 / 10MHz / Full RB |                       |         |             |           |           |        |               |
| QPSK                          | 23095 / 707.5         | VL      | TN          | -4.67     | -0.0066   | Note 1 | Pass          |
|                               |                       | VN      |             | -5.01     | -0.0071   |        | Pass          |
|                               |                       | VH      |             | -5.43     | -0.0077   |        | Pass          |
|                               |                       | VN      | 50          | -5.55     | -0.0078   |        | Pass          |
|                               |                       |         | 40          | -4.97     | -0.0070   |        | Pass          |
|                               |                       |         | 30          | -4.89     | -0.0069   |        | Pass          |
|                               |                       |         | 20          | -4.46     | -0.0063   |        | Pass          |
|                               |                       |         | 10          | -4.65     | -0.0066   |        | Pass          |
|                               |                       |         | 0           | -5.34     | -0.0075   |        | Pass          |
|                               |                       |         | -10         | -5.56     | -0.0079   |        | Pass          |
|                               |                       |         | -20         | -5.55     | -0.0078   |        | Pass          |
|                               |                       |         | -30         | -5.22     | -0.0074   |        | Pass          |

| Modulation                    | Channel/<br>Frequency | Voltage | Temperature | Deviation | Deviation | Limit  | Pass/<br>Fail |
|-------------------------------|-----------------------|---------|-------------|-----------|-----------|--------|---------------|
|                               | (MHz)                 | (Vdc)   | (°C)        | (Hz)      | (ppm)     | (ppm)  |               |
| LTE Band 17 / 10MHz / Full RB |                       |         |             |           |           |        |               |
| QPSK                          | 23790 / 710           | VL      | TN          | -5.67     | -0.0080   | Note 1 | Pass          |
|                               |                       | VN      |             | -5.89     | -0.0083   |        | Pass          |
|                               |                       | VH      |             | -6.01     | -0.0085   |        | Pass          |
|                               |                       | VN      | 50          | -4.89     | -0.0069   |        | Pass          |
|                               |                       |         | 40          | -4.76     | -0.0067   |        | Pass          |
|                               |                       |         | 30          | -4.44     | -0.0063   |        | Pass          |
|                               |                       |         | 20          | -4.63     | -0.0065   |        | Pass          |
|                               |                       |         | 10          | -4.52     | -0.0064   |        | Pass          |
|                               |                       |         | 0           | -4.89     | -0.0069   |        | Pass          |
|                               |                       |         | -10         | -3.45     | -0.0049   |        | Pass          |
|                               |                       |         | -20         | -4.43     | -0.0062   |        | Pass          |
|                               |                       |         | -30         | -4.78     | -0.0067   |        | Pass          |

| Modulation                    | Channel/<br>Frequency | Voltage | Temperature | Deviation | Deviation | Limit  | Pass/<br>Fail |
|-------------------------------|-----------------------|---------|-------------|-----------|-----------|--------|---------------|
|                               | (MHz)                 | (Vdc)   | (°C)        | (Hz)      | (ppm)     | (ppm)  |               |
| LTE Band 30 / 10MHz / Full RB |                       |         |             |           |           |        |               |
| QPSK                          | 27710 /2310           | VL      | TN          | -3.05     | -0.0013   | Note 1 | Pass          |
|                               |                       | VN      |             | -4.23     | -0.0018   |        | Pass          |
|                               |                       | VH      |             | -5.35     | -0.0023   |        | Pass          |
|                               |                       | VN      | 50          | -4.88     | -0.0021   |        | Pass          |
|                               |                       |         | 40          | -4.56     | -0.0020   |        | Pass          |
|                               |                       |         | 30          | -4.96     | -0.0021   |        | Pass          |
|                               |                       |         | 20          | -4.34     | -0.0019   |        | Pass          |
|                               |                       |         | 10          | -5.43     | -0.0024   |        | Pass          |
|                               |                       |         | 0           | -5.23     | -0.0023   |        | Pass          |
|                               |                       |         | -10         | -5.66     | -0.0025   |        | Pass          |
|                               |                       |         | -20         | -6.09     | -0.0026   |        | Pass          |
|                               |                       |         | -30         | -6.45     | -0.0028   |        | Pass          |

| Modulation                   | Channel/<br>Frequency | Voltage | Temperature | Deviation | Deviation | Limit  | Pass/<br>Fail |
|------------------------------|-----------------------|---------|-------------|-----------|-----------|--------|---------------|
|                              | (MHz)                 | (Vdc)   | (°C)        | (Hz)      | (ppm)     | (ppm)  |               |
| LTE Band 66/ 20MHz / Full RB |                       |         |             |           |           |        |               |
| QPSK                         | 132322 / 1745         | VL      | TN          | -3.89     | -0.0022   | Note 1 | Pass          |
|                              |                       | VN      |             | -4.14     | -0.0024   |        | Pass          |
|                              |                       | VH      |             | -4.91     | -0.0028   |        | Pass          |
|                              |                       | VN      | 50          | -5.33     | -0.0031   |        | Pass          |
|                              |                       |         | 40          | -5.79     | -0.0033   |        | Pass          |
|                              |                       |         | 30          | -6.04     | -0.0035   |        | Pass          |
|                              |                       |         | 20          | -5.55     | -0.0032   |        | Pass          |
|                              |                       |         | 10          | -6.51     | -0.0037   |        | Pass          |
|                              |                       |         | 0           | -4.23     | -0.0024   |        | Pass          |
|                              |                       |         | -10         | -3.96     | -0.0023   |        | Pass          |
|                              |                       |         | -20         | -6.04     | -0.0035   |        | Pass          |
|                              |                       |         | -30         | -3.87     | -0.0022   |        | Pass          |

## APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

## APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

\*\*\* End of Report \*\*\*

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The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.

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