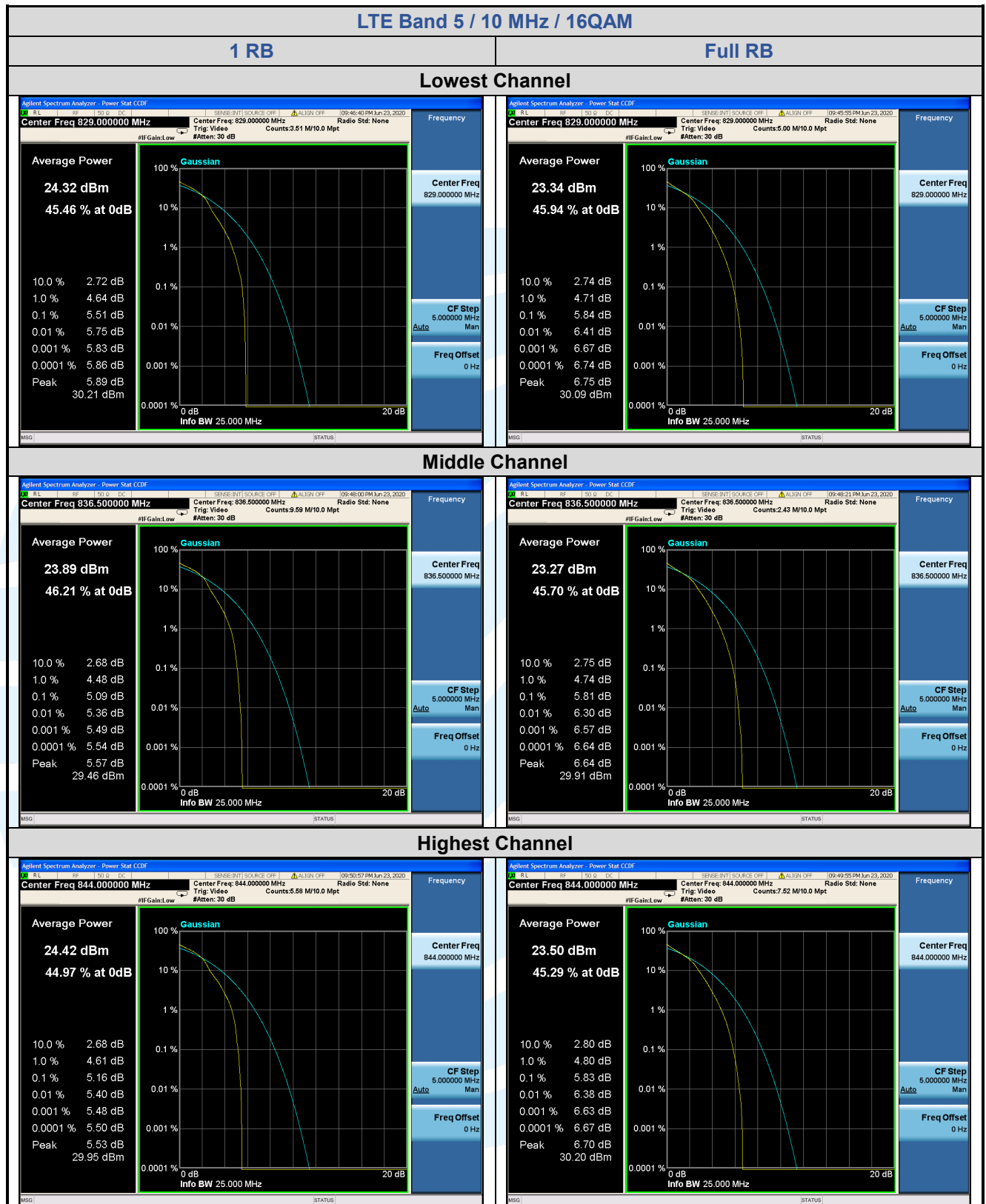
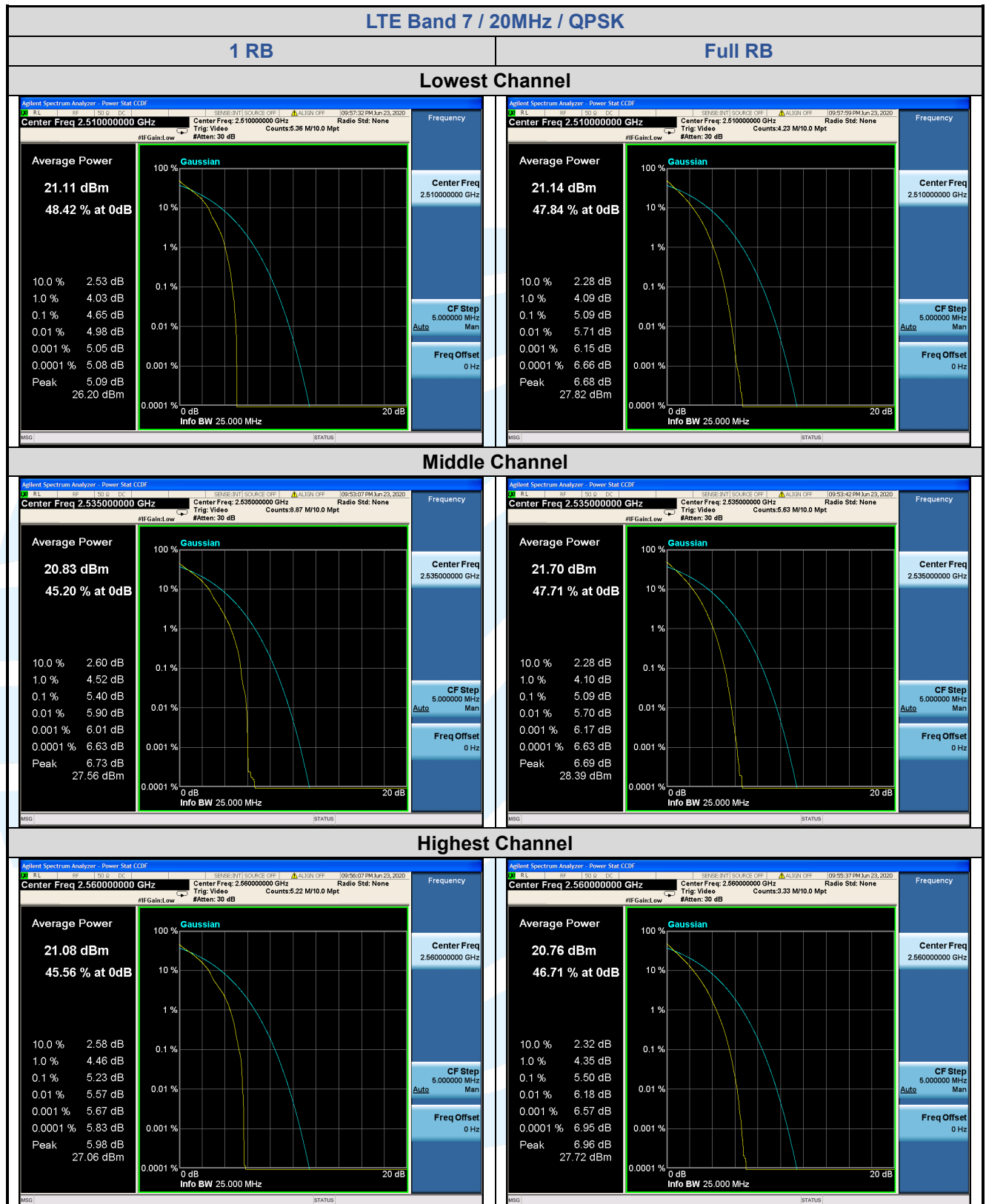
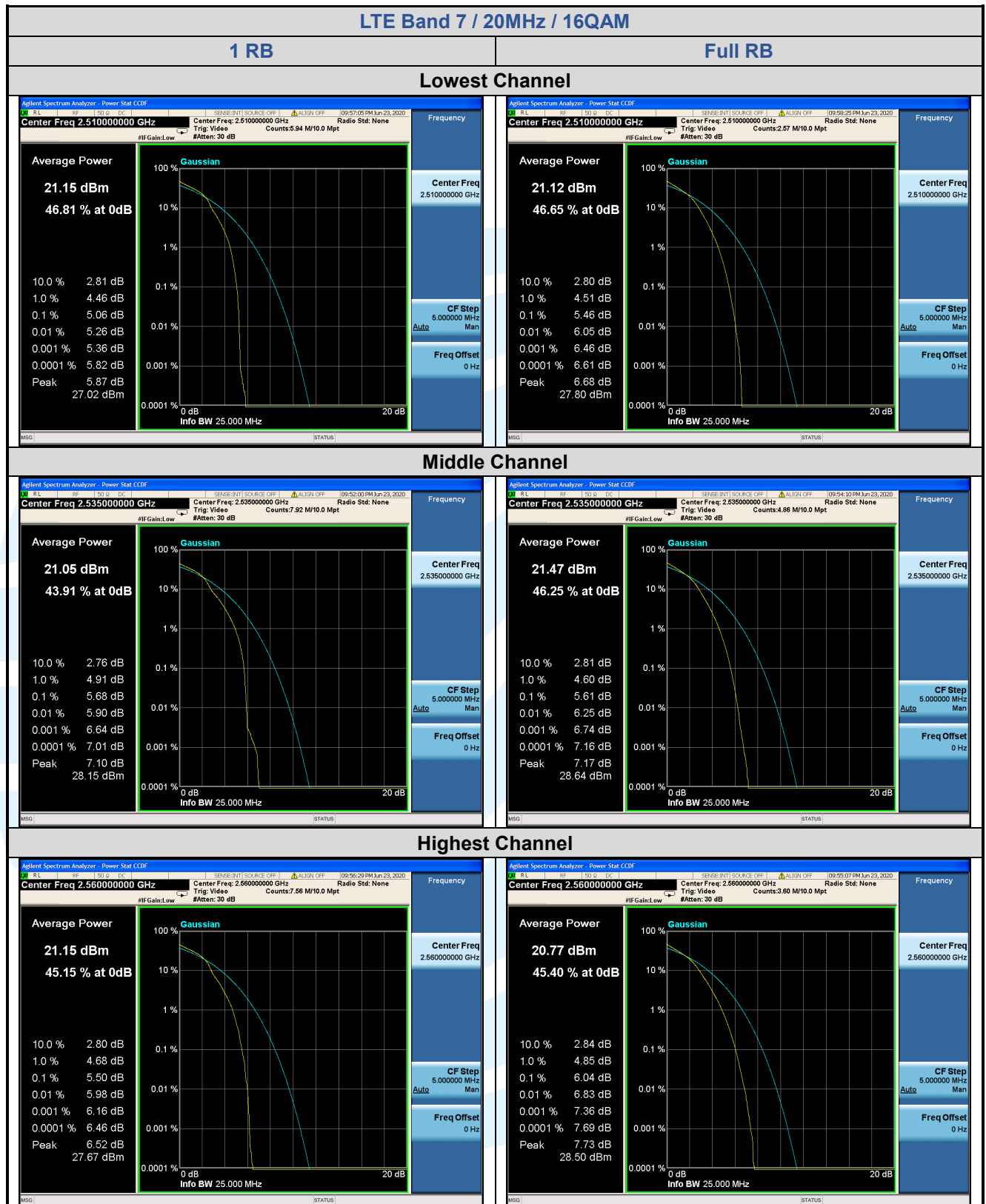




#### 5.4.4 LTE Band 7

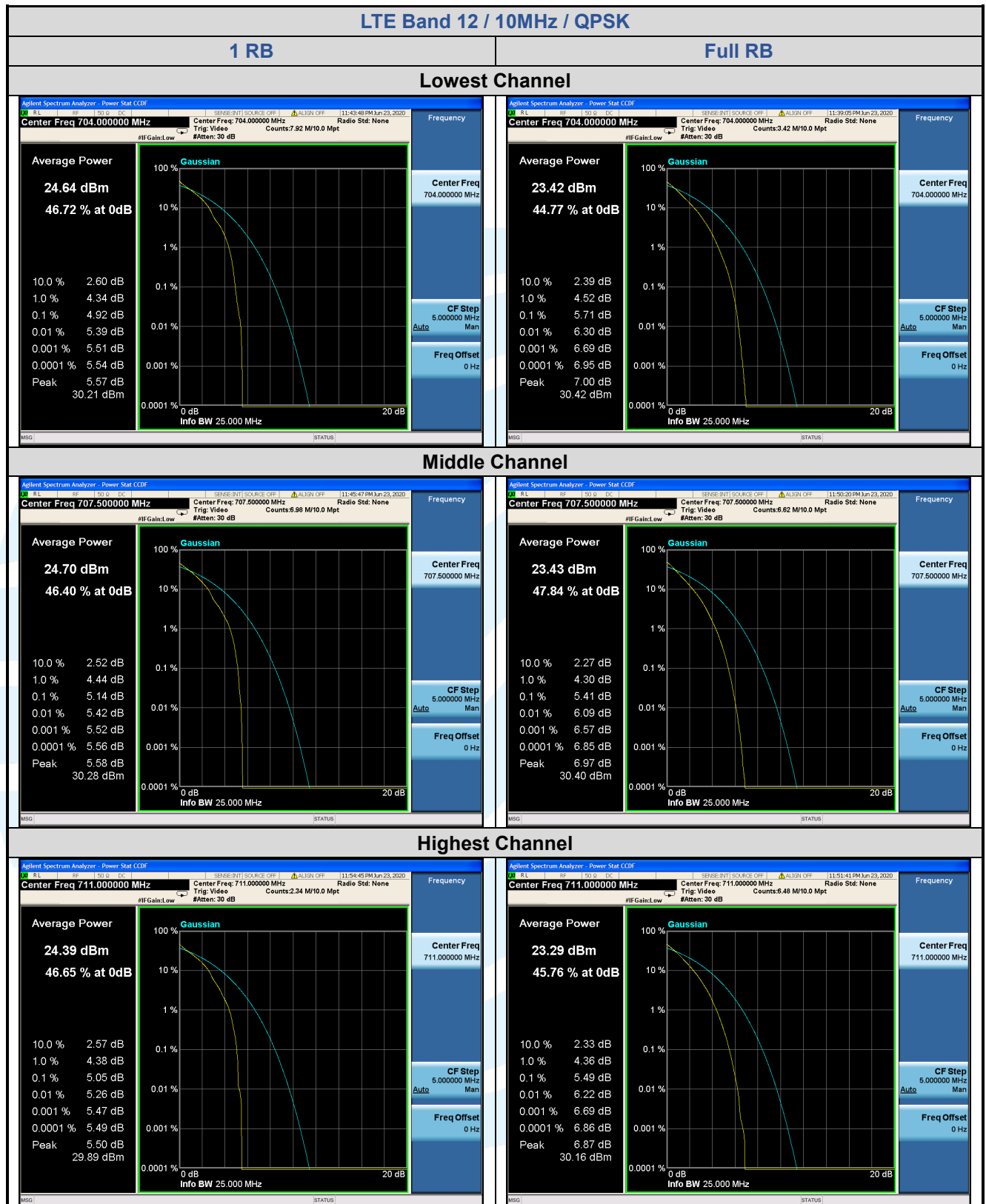
| LTE Band 7 Peak-to-average ratio (dB) |                  |                           |       |       |            |        |
|---------------------------------------|------------------|---------------------------|-------|-------|------------|--------|
| Channel                               | RB Configuration | Channel Bandwidth: 20 MHz |       |       | Limit (dB) | Result |
|                                       |                  | QPSK                      | 16QAM | 64QAM |            |        |
| Lowest                                | 1 RB             | 4.65                      | 5.06  | /     | 13         | Pass   |
|                                       | Full RB          | 5.09                      | 5.46  | /     | 13         | Pass   |
| Middle                                | 1 RB             | 5.40                      | 5.68  | /     | 13         | Pass   |
|                                       | Full RB          | 5.09                      | 5.61  | /     | 13         | Pass   |
| Highest                               | 1 RB             | 5.23                      | 5.50  | /     | 13         | Pass   |
|                                       | Full RB          | 5.50                      | 6.04  | /     | 13         | Pass   |

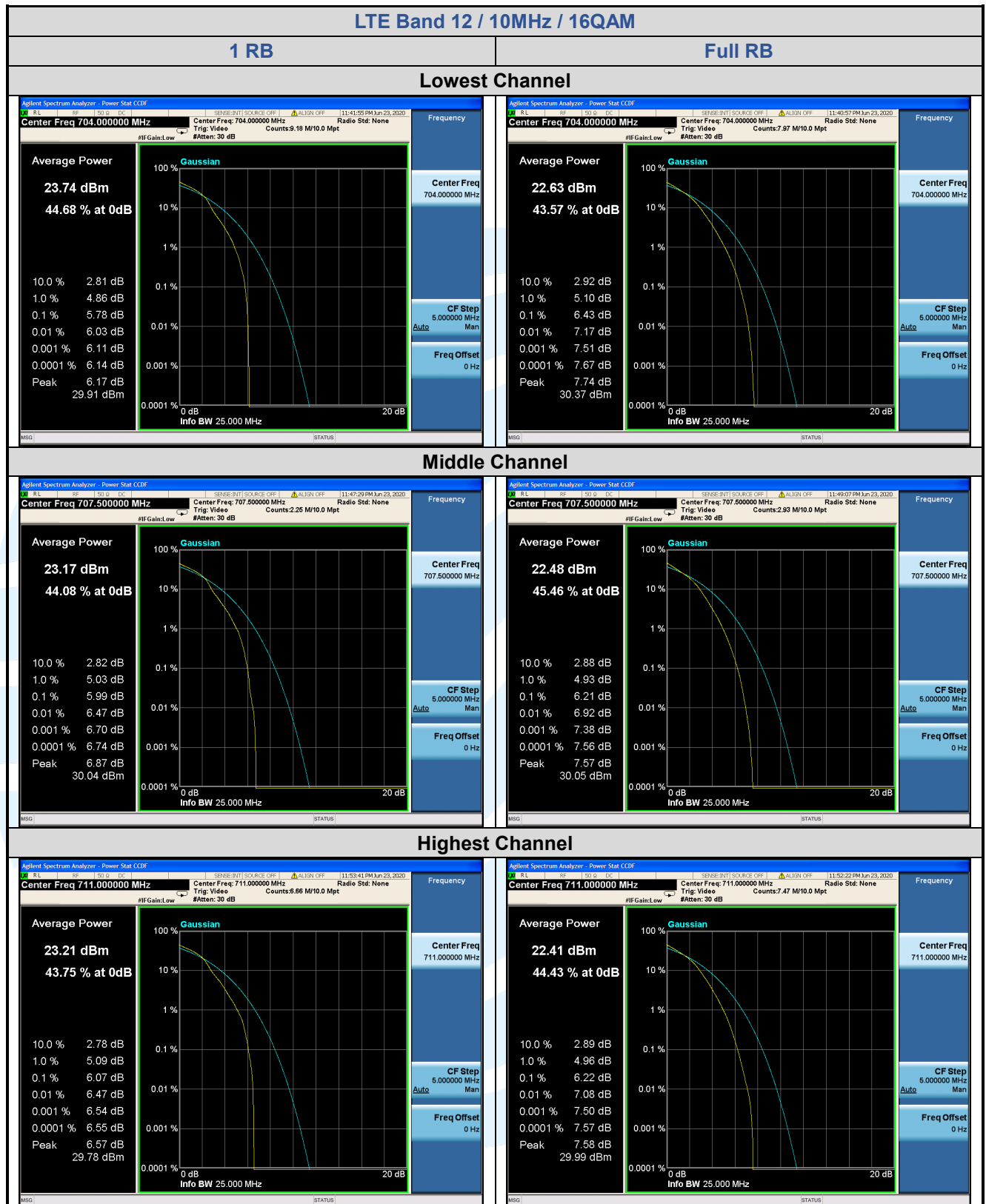




### 5.4.5 LTE Band 12

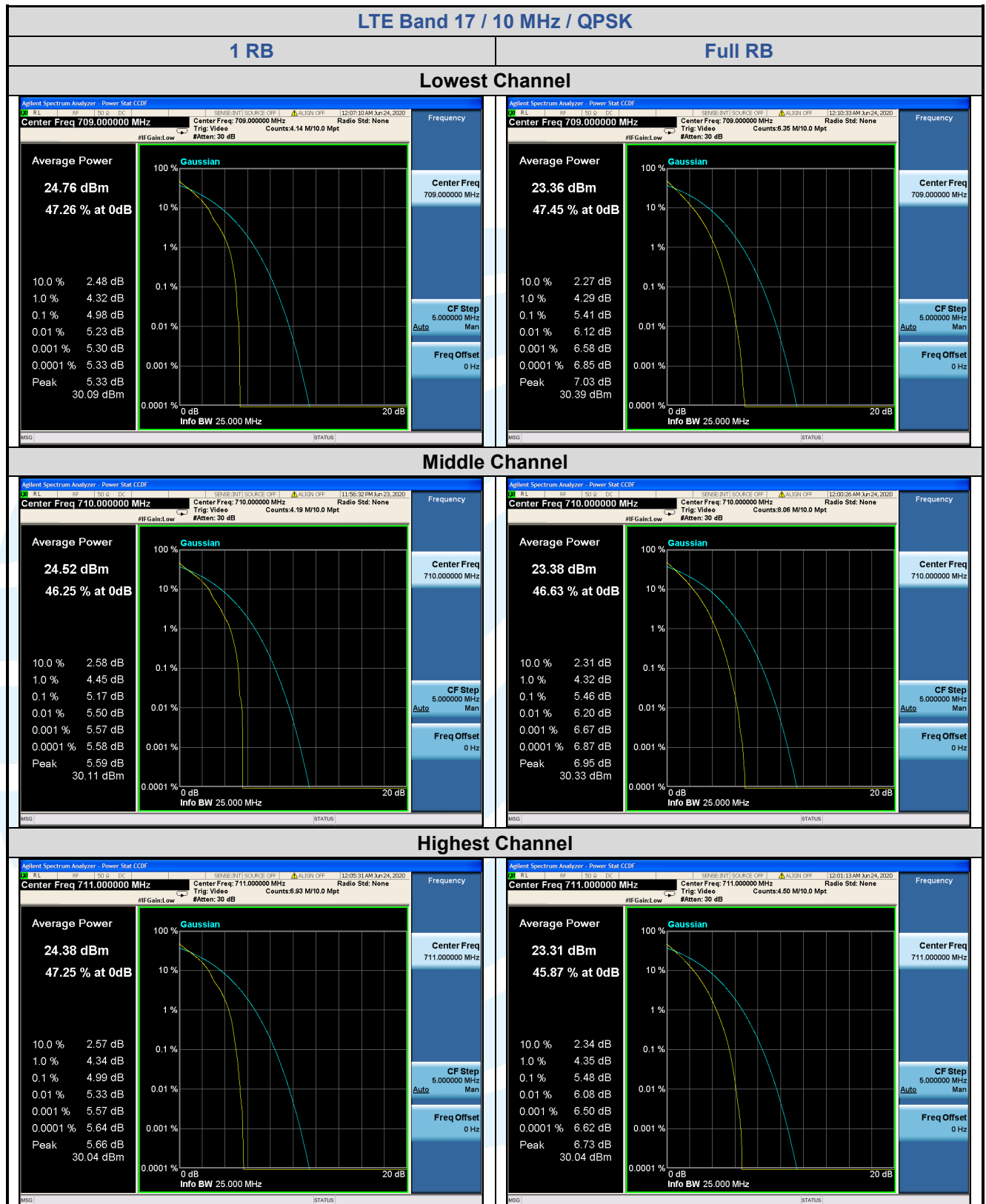
| LTE Band 12 Peak-to-average ratio (dB) |                  |                           |       |       |            |        |
|----------------------------------------|------------------|---------------------------|-------|-------|------------|--------|
| Channel                                | RB Configuration | Channel Bandwidth: 10 MHz |       |       | Limit (dB) | Result |
|                                        |                  | QPSK                      | 16QAM | 64QAM |            |        |
| Lowest                                 | 1 RB             | 4.92                      | 5.78  | /     | 13         | Pass   |
|                                        | Full RB          | 5.71                      | 6.43  | /     | 13         | Pass   |
| Middle                                 | 1 RB             | 5.14                      | 5.99  | /     | 13         | Pass   |
|                                        | Full RB          | 5.41                      | 6.21  | /     | 13         | Pass   |
| Highest                                | 1 RB             | 5.05                      | 6.07  | /     | 13         | Pass   |
|                                        | Full RB          | 5.49                      | 6.22  | /     | 13         | Pass   |

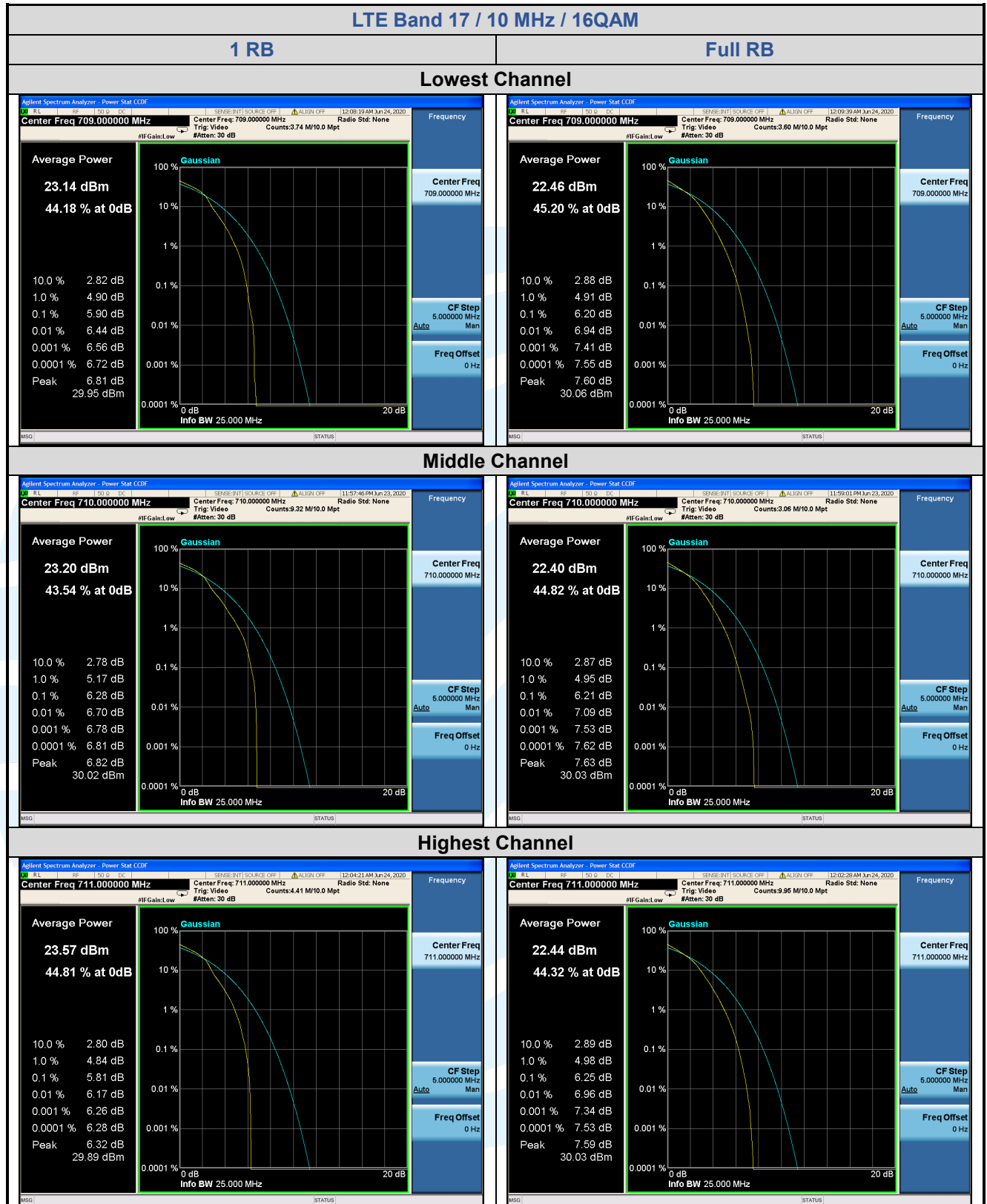




#### 5.4.6 LTE Band 17

| LTE Band 17 Peak-to-average ratio (dB) |                  |                           |       |       |            |        |
|----------------------------------------|------------------|---------------------------|-------|-------|------------|--------|
| Channel                                | RB Configuration | Channel Bandwidth: 10 MHz |       |       | Limit (dB) | Result |
|                                        |                  | QPSK                      | 16QAM | 64QAM |            |        |
| Lowest                                 | 1 RB             | 4.98                      | 5.90  | /     | 13         | Pass   |
|                                        | Full RB          | 5.41                      | 6.20  | /     | 13         | Pass   |
| Middle                                 | 1 RB             | 5.17                      | 6.28  | /     | 13         | Pass   |
|                                        | Full RB          | 5.46                      | 6.21  | /     | 13         | Pass   |
| Highest                                | 1 RB             | 4.99                      | 5.81  | /     | 13         | Pass   |
|                                        | Full RB          | 5.48                      | 6.25  | /     | 13         | Pass   |





## 5.599%&26DB BANDWIDTH

**Test Requirement:** FCC 47 CFR Part 2.1049(h)

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01 Section 4

**Limit:** No Limit, for reporting purposes only.

**Test Procedure:**

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

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

**Instruments Used:** Refer to section 3 for details

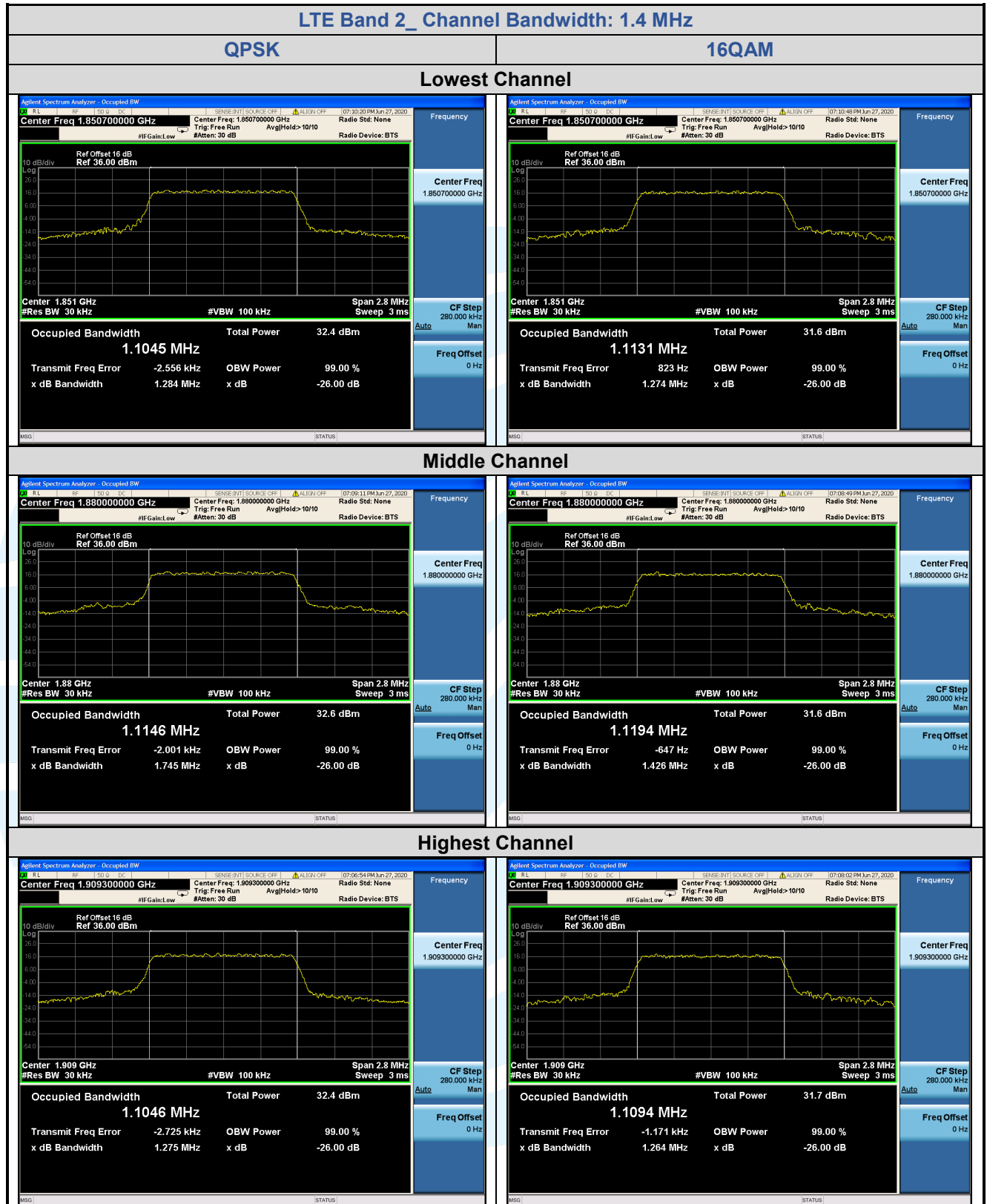
**Test Mode:** Link mode

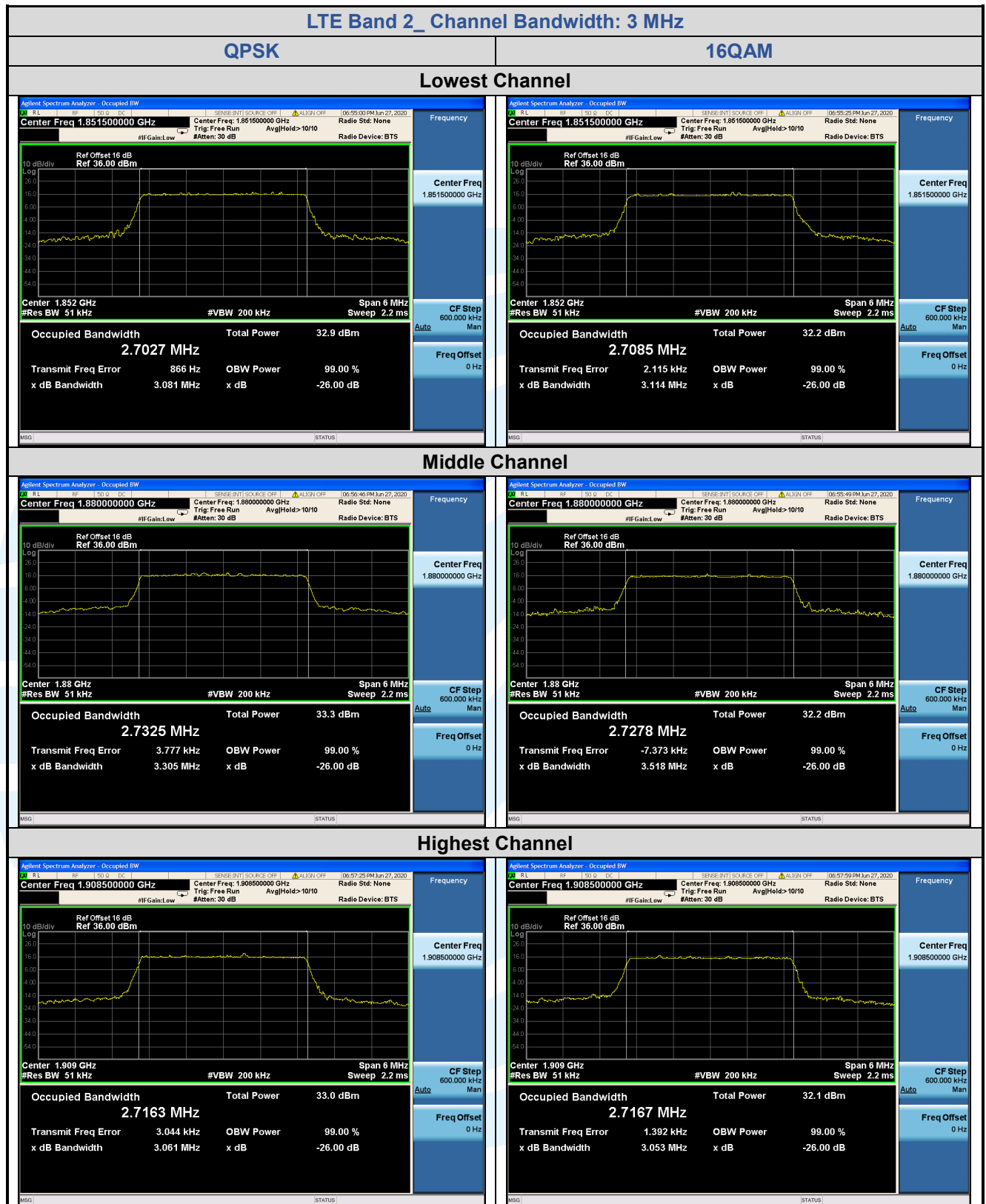
**Test Results:** Pass

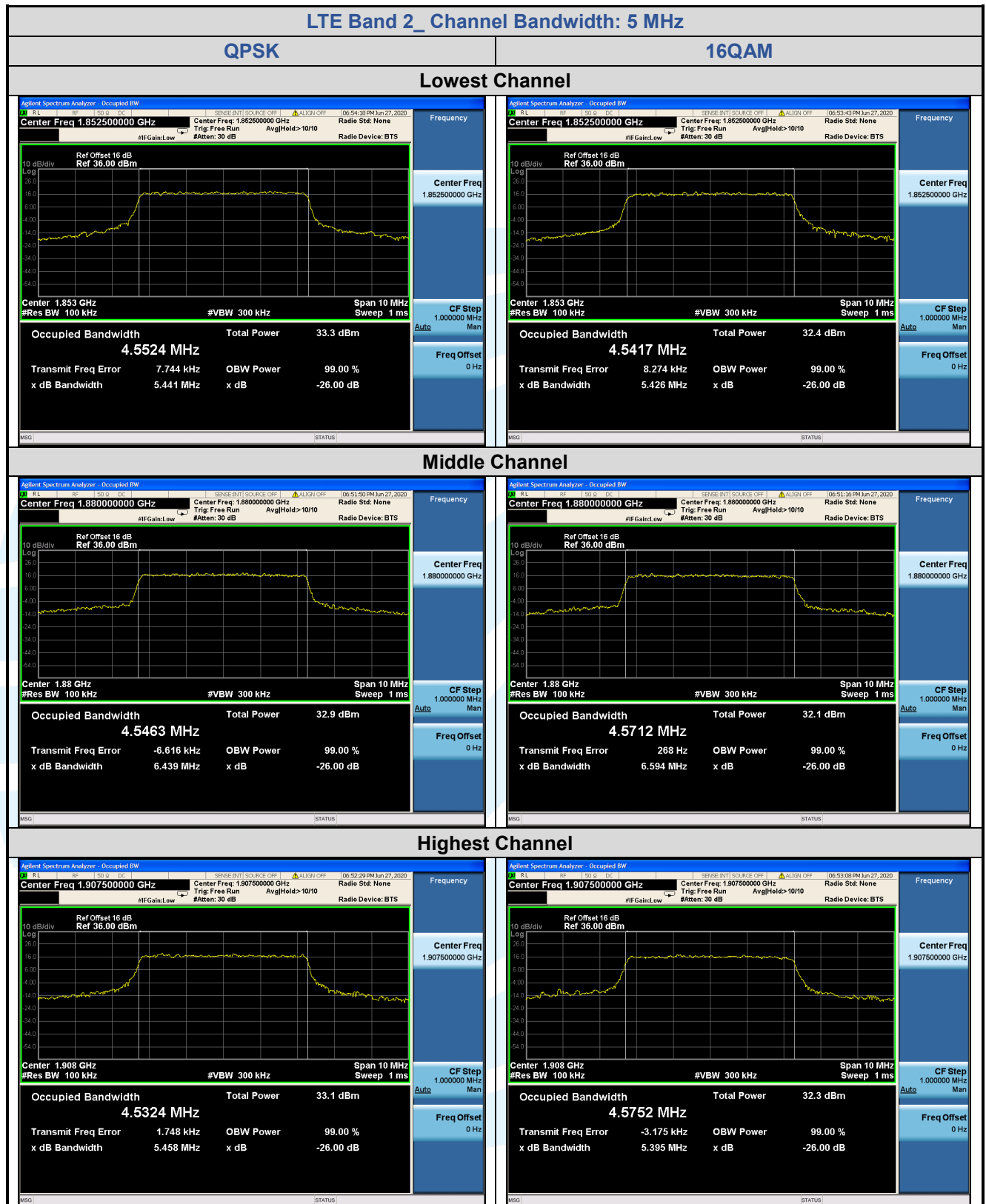
**Test Data:** See table below

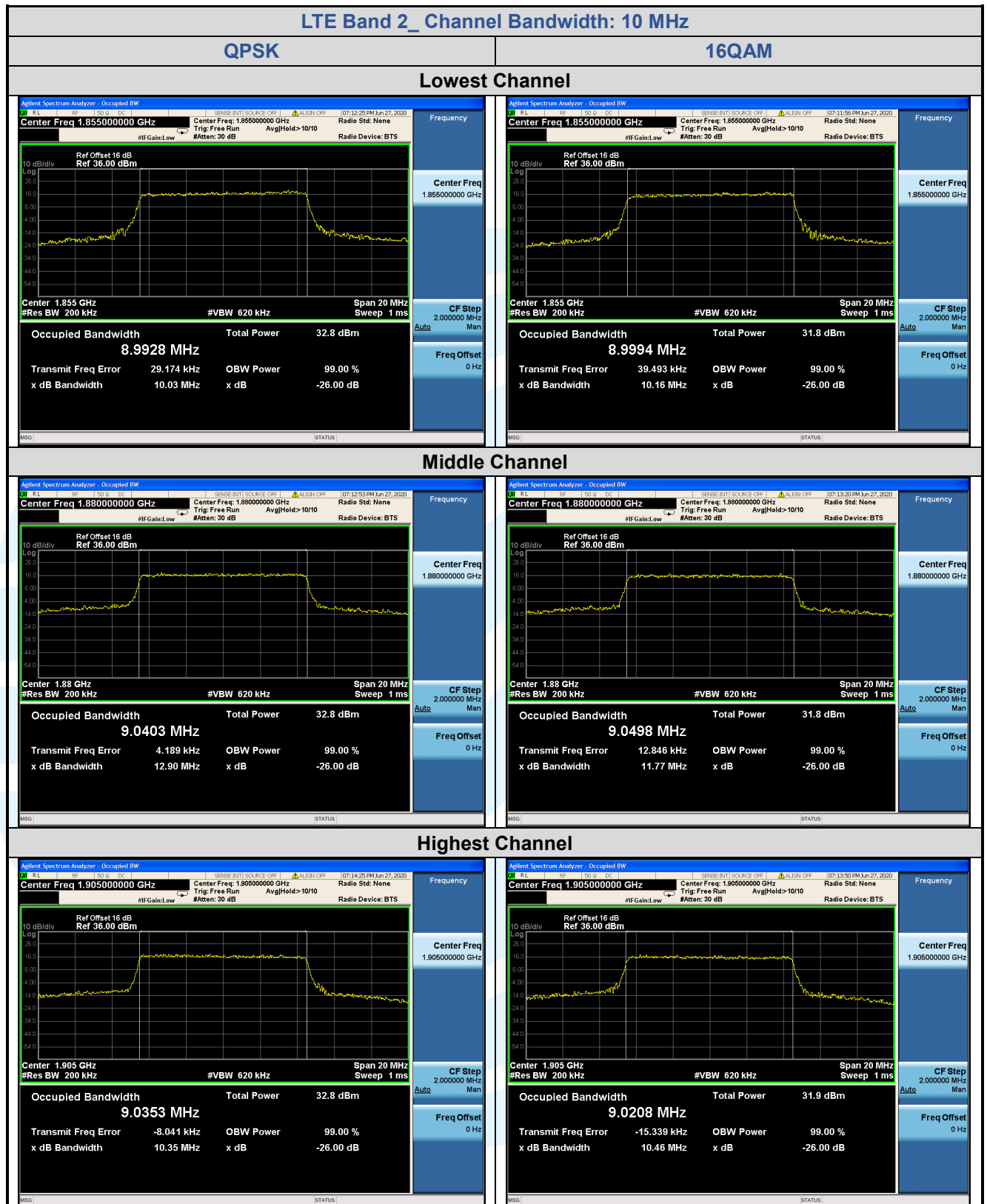
### 5.5.1 LTE Band 2

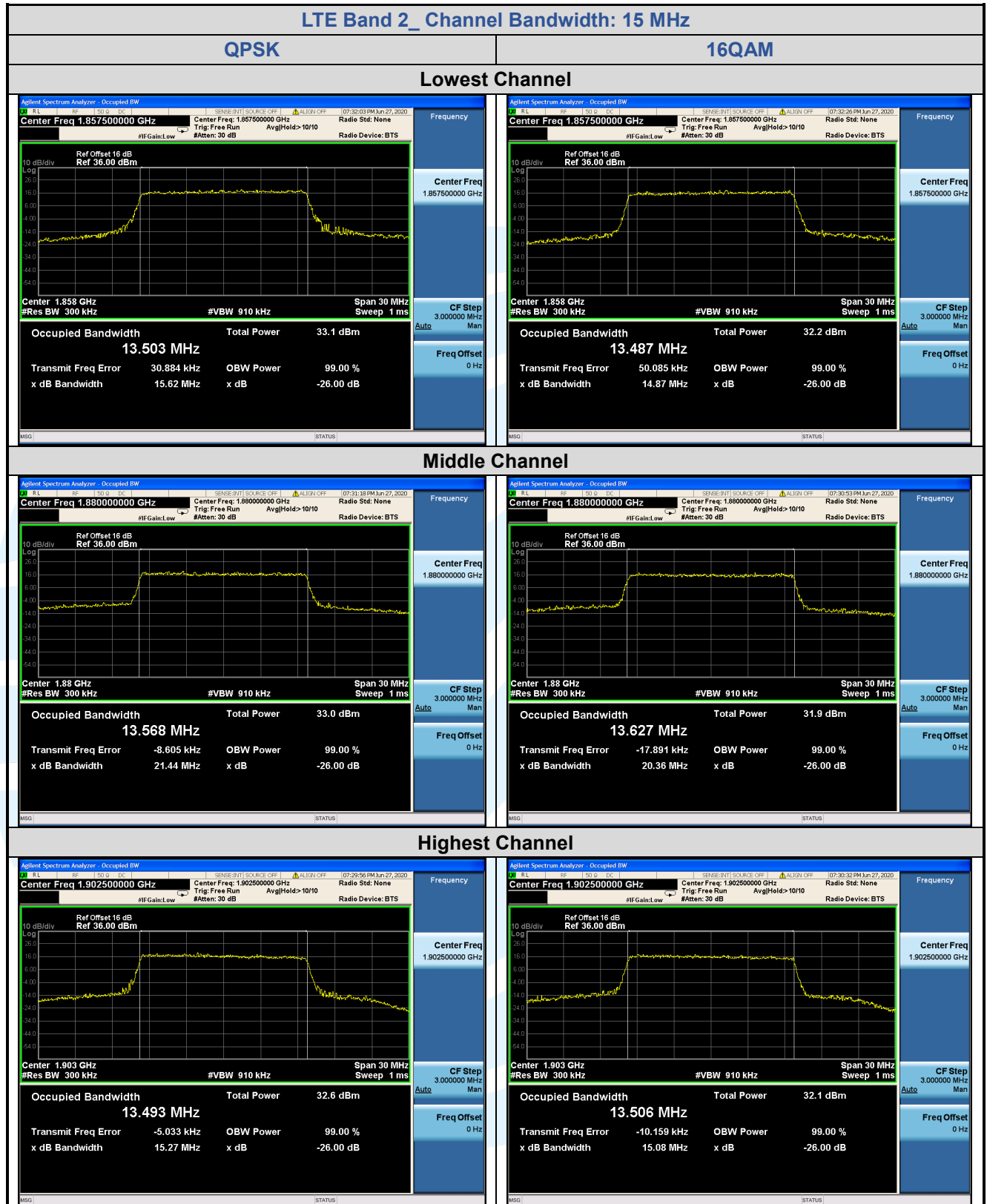
| LTE Band 2                 |                  |        |                |       |       |              |        |       |
|----------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel                    | RB Configuration |        | 26 dB BW (MHz) |       |       | 99% BW (MHz) |        |       |
|                            | Size             | Offset | QPSK           | 16QAM | 64QAM | QPSK         | 16QAM  | 64QAM |
| Channel Bandwidth: 1.4 MHz |                  |        |                |       |       |              |        |       |
| Lowest                     | 6                | 0      | 1.284          | 1.274 | /     | 1.1045       | 1.1131 | /     |
| Middle                     | 6                | 0      | 1.745          | 1.426 | /     | 1.1146       | 1.1194 | /     |
| Highest                    | 6                | 0      | 1.275          | 1.264 | /     | 1.1046       | 1.1094 | /     |
| Channel Bandwidth: 3 MHz   |                  |        |                |       |       |              |        |       |
| Lowest                     | 15               | 0      | 3.081          | 3.114 | /     | 2.7027       | 2.7085 | /     |
| Middle                     | 15               | 0      | 3.305          | 3.518 | /     | 2.7325       | 2.7278 | /     |
| Highest                    | 15               | 0      | 3.061          | 3.053 | /     | 2.7163       | 2.7167 | /     |
| Channel Bandwidth: 5 MHz   |                  |        |                |       |       |              |        |       |
| Lowest                     | 25               | 0      | 5.441          | 5.426 | /     | 4.5524       | 4.5417 | /     |
| Middle                     | 25               | 0      | 6.439          | 6.594 | /     | 4.5463       | 4.5712 | /     |
| Highest                    | 25               | 0      | 5.458          | 5.395 | /     | 4.5324       | 4.5752 | /     |
| Channel Bandwidth: 10 MHz  |                  |        |                |       |       |              |        |       |
| Lowest                     | 50               | 0      | 10.03          | 10.16 | /     | 8.9928       | 8.9994 | /     |
| Middle                     | 50               | 0      | 12.90          | 11.77 | /     | 9.0403       | 9.0498 | /     |
| Highest                    | 50               | 0      | 10.35          | 10.46 | /     | 9.0353       | 9.0208 | /     |
| Channel Bandwidth: 15 MHz  |                  |        |                |       |       |              |        |       |
| Lowest                     | 75               | 0      | 15.62          | 14.87 | /     | 13.503       | 13.487 | /     |
| Middle                     | 75               | 0      | 21.44          | 20.36 | /     | 13.568       | 13.627 | /     |
| Highest                    | 75               | 0      | 15.27          | 15.08 | /     | 13.493       | 13.506 | /     |
| Channel Bandwidth: 20 MHz  |                  |        |                |       |       |              |        |       |
| Lowest                     | 100              | 0      | 19.81          | 20.12 | /     | 17.985       | 18.026 | /     |
| Middle                     | 100              | 0      | 25.02          | 29.71 | /     | 18.178       | 18.213 | /     |
| Highest                    | 100              | 0      | 20.04          | 20.01 | /     | 17.990       | 17.993 | /     |

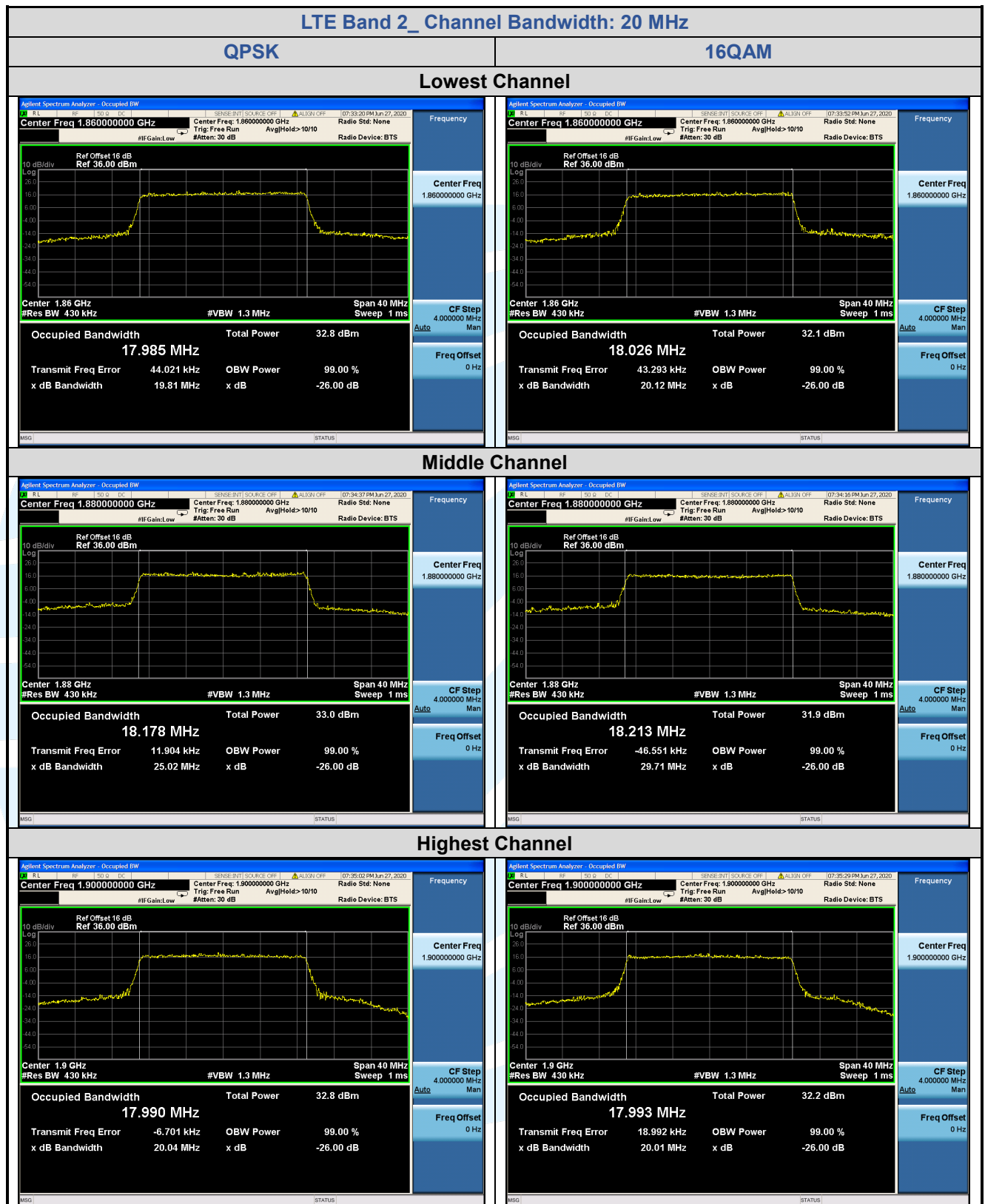












### 5.5.2 LTE Band 4

| LTE Band 4                 |                  |        |                |       |       |              |        |       |
|----------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel                    | RB Configuration |        | 26 dB BW (MHz) |       |       | 99% BW (MHz) |        |       |
|                            | Size             | Offset | QPSK           | 16QAM | 64QAM | QPSK         | 16QAM  | 64QAM |
| Channel Bandwidth: 1.4 MHz |                  |        |                |       |       |              |        |       |
| Lowest                     | 6                | 0      | 1.271          | 1.267 | /     | 1.1003       | 1.1067 | /     |
| Middle                     | 6                | 0      | 1.278          | 1.267 | /     | 1.1007       | 1.1075 | /     |
| Highest                    | 6                | 0      | 1.274          | 1.267 | /     | 1.0992       | 1.1068 | /     |
| Channel Bandwidth: 3 MHz   |                  |        |                |       |       |              |        |       |
| Lowest                     | 15               | 0      | 3.090          | 3.128 | /     | 2.7175       | 2.7100 | /     |
| Middle                     | 15               | 0      | 3.076          | 3.130 | /     | 2.7090       | 2.7185 | /     |
| Highest                    | 15               | 0      | 3.096          | 3.136 | /     | 2.7186       | 2.7065 | /     |
| Channel Bandwidth: 5 MHz   |                  |        |                |       |       |              |        |       |
| Lowest                     | 25               | 0      | 5.280          | 5.248 | /     | 4.5437       | 4.5347 | /     |
| Middle                     | 25               | 0      | 5.432          | 5.461 | /     | 4.5296       | 4.5627 | /     |
| Highest                    | 25               | 0      | 5.269          | 5.459 | /     | 4.5263       | 4.5614 | /     |
| Channel Bandwidth: 10 MHz  |                  |        |                |       |       |              |        |       |
| Lowest                     | 50               | 0      | 10.18          | 10.73 | /     | 9.0157       | 9.0277 | /     |
| Middle                     | 50               | 0      | 10.09          | 10.02 | /     | 8.9971       | 9.0199 | /     |
| Highest                    | 50               | 0      | 10.21          | 10.26 | /     | 9.0172       | 9.0144 | /     |
| Channel Bandwidth: 15 MHz  |                  |        |                |       |       |              |        |       |
| Lowest                     | 75               | 0      | 15.57          | 15.11 | /     | 13.532       | 13.512 | /     |
| Middle                     | 75               | 0      | 15.71          | 14.93 | /     | 13.525       | 13.503 | /     |
| Highest                    | 75               | 0      | 15.36          | 15.44 | /     | 13.487       | 13.512 | /     |
| Channel Bandwidth: 20 MHz  |                  |        |                |       |       |              |        |       |
| Lowest                     | 100              | 0      | 20.22          | 20.43 | /     | 18.063       | 18.110 | /     |
| Middle                     | 100              | 0      | 20.13          | 20.41 | /     | 18.014       | 18.042 | /     |
| Highest                    | 100              | 0      | 20.26          | 20.29 | /     | 18.043       | 18.051 | /     |

