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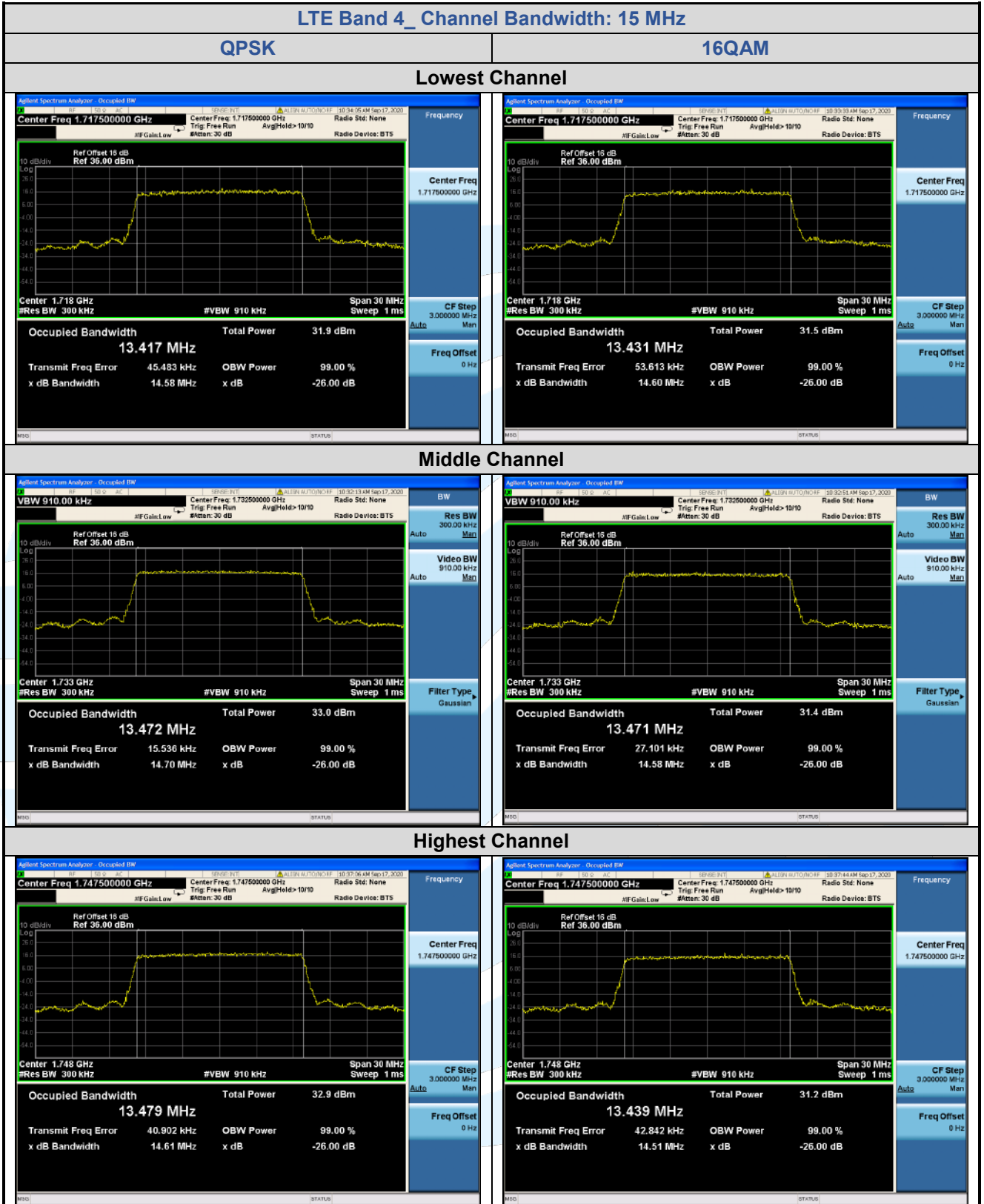
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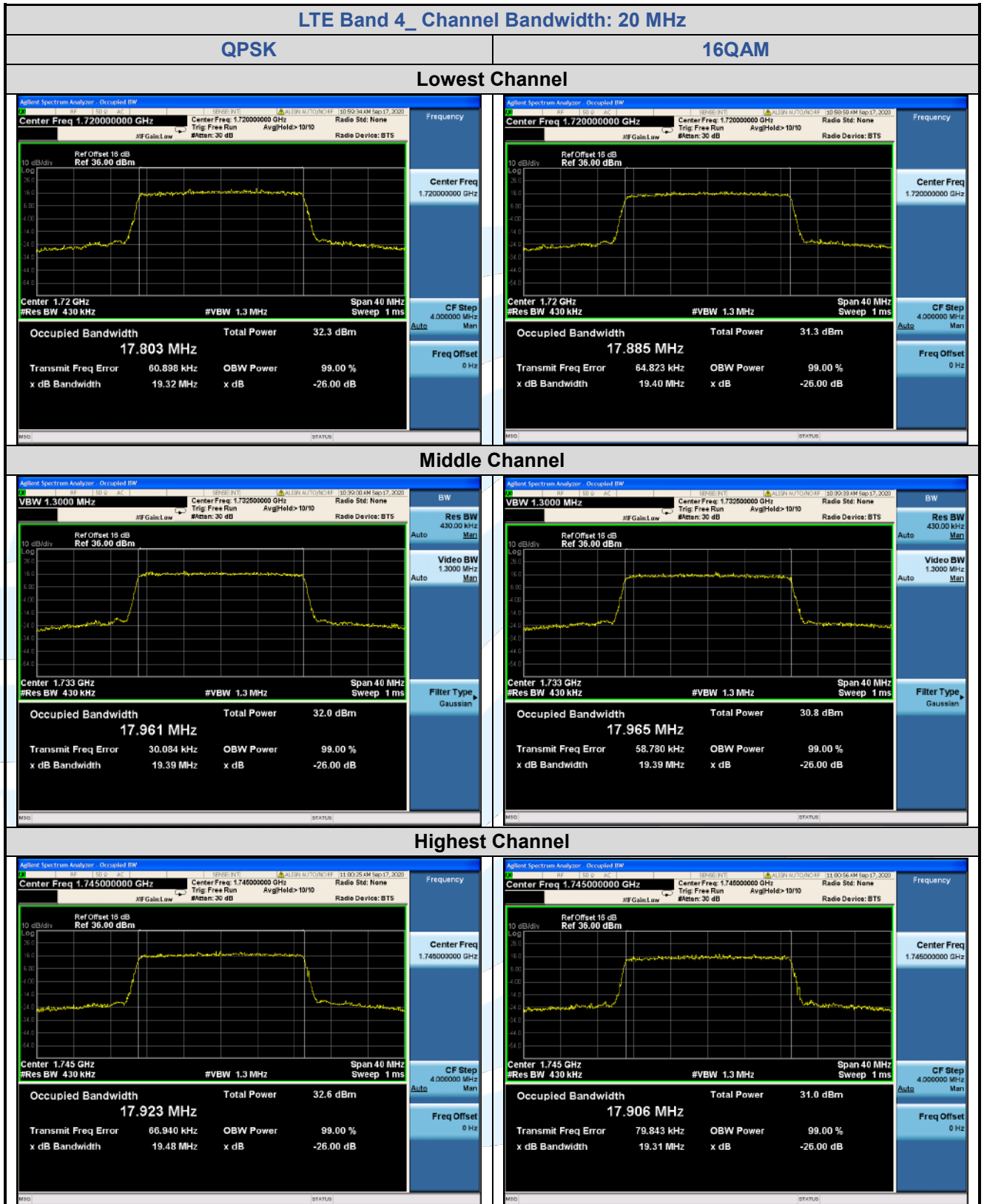
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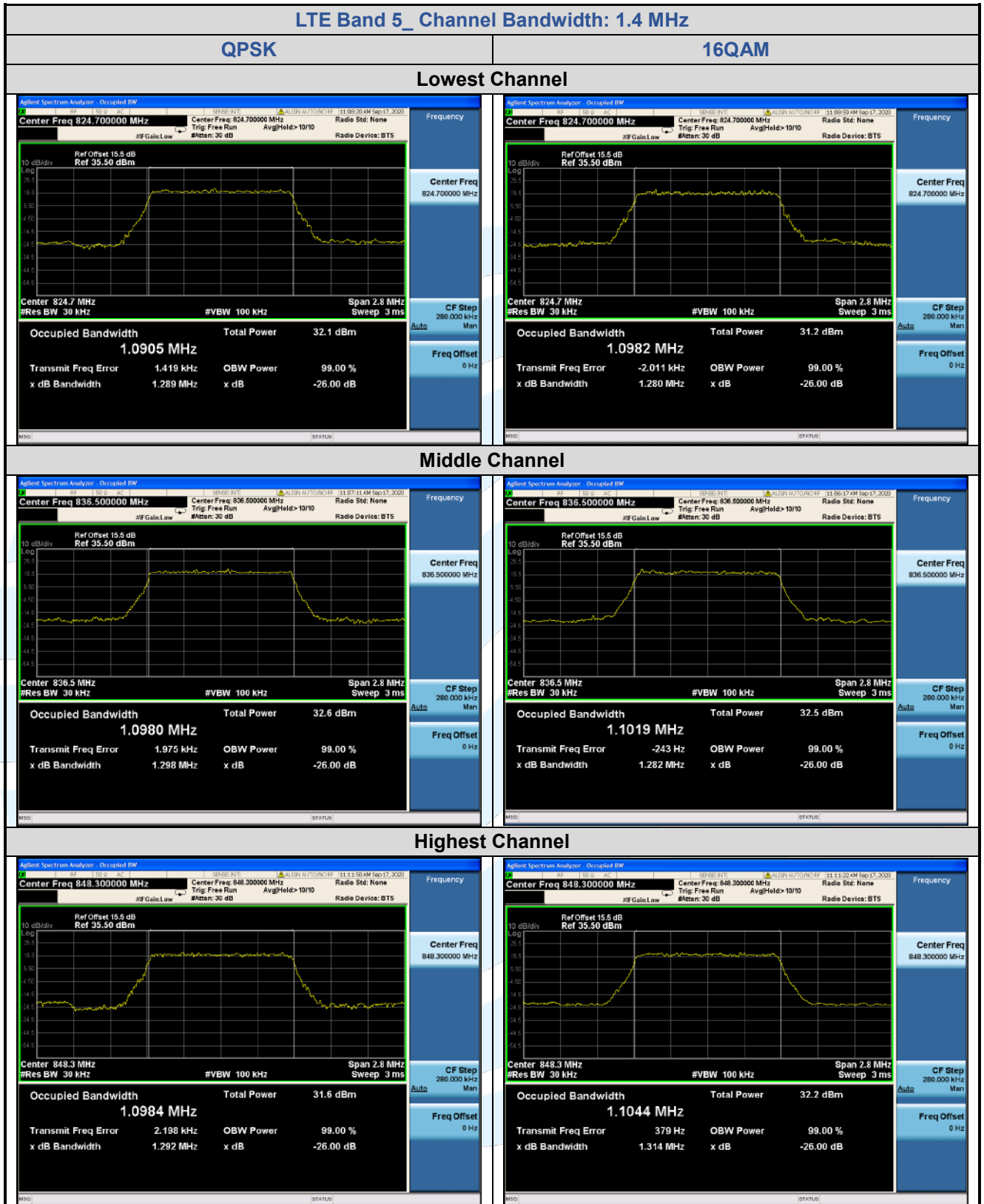
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**5.5.3 LTE Band 5**

| LTE Band 5                        |                  |        |                |       |       |              |        |       |
|-----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel                           | RB Configuration |        | 26 dB BW (MHz) |       |       | 99% BW (MHz) |        |       |
|                                   | Size             | Offset | QPSK           | 16QAM | 64QAM | QPSK         | 16QAM  | 64QAM |
| <b>Channel Bandwidth: 1.4 MHz</b> |                  |        |                |       |       |              |        |       |
| Lowest                            | 6                | 0      | 1.289          | 1.280 | /     | 1.0905       | 1.0982 | /     |
| Middle                            | 6                | 0      | 1.298          | 1.282 | /     | 1.0980       | 1.1019 | /     |
| Highest                           | 6                | 0      | 1.292          | 1.314 | /     | 1.0984       | 1.1044 | /     |
| <b>Channel Bandwidth: 3 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 15               | 0      | 2.947          | 2.981 | /     | 2.6878       | 2.7060 | /     |
| Middle                            | 15               | 0      | 2.976          | 2.913 | /     | 2.7030       | 2.6825 | /     |
| Highest                           | 15               | 0      | 2.979          | 3.006 | /     | 2.6993       | 2.6963 | /     |
| <b>Channel Bandwidth: 5 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 25               | 0      | 4.996          | 4.999 | /     | 4.5108       | 4.5132 | /     |
| Middle                            | 25               | 0      | 4.957          | 5.022 | /     | 4.5065       | 4.5202 | /     |
| Highest                           | 25               | 0      | 5.020          | 4.986 | /     | 4.5109       | 4.5260 | /     |
| <b>Channel Bandwidth: 10 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                            | 50               | 0      | 9.880          | 9.835 | /     | 8.9655       | 8.9702 | /     |
| Middle                            | 50               | 0      | 9.942          | 10.06 | /     | 9.0106       | 9.0245 | /     |
| Highest                           | 50               | 0      | 9.820          | 9.779 | /     | 8.9280       | 8.9355 | /     |



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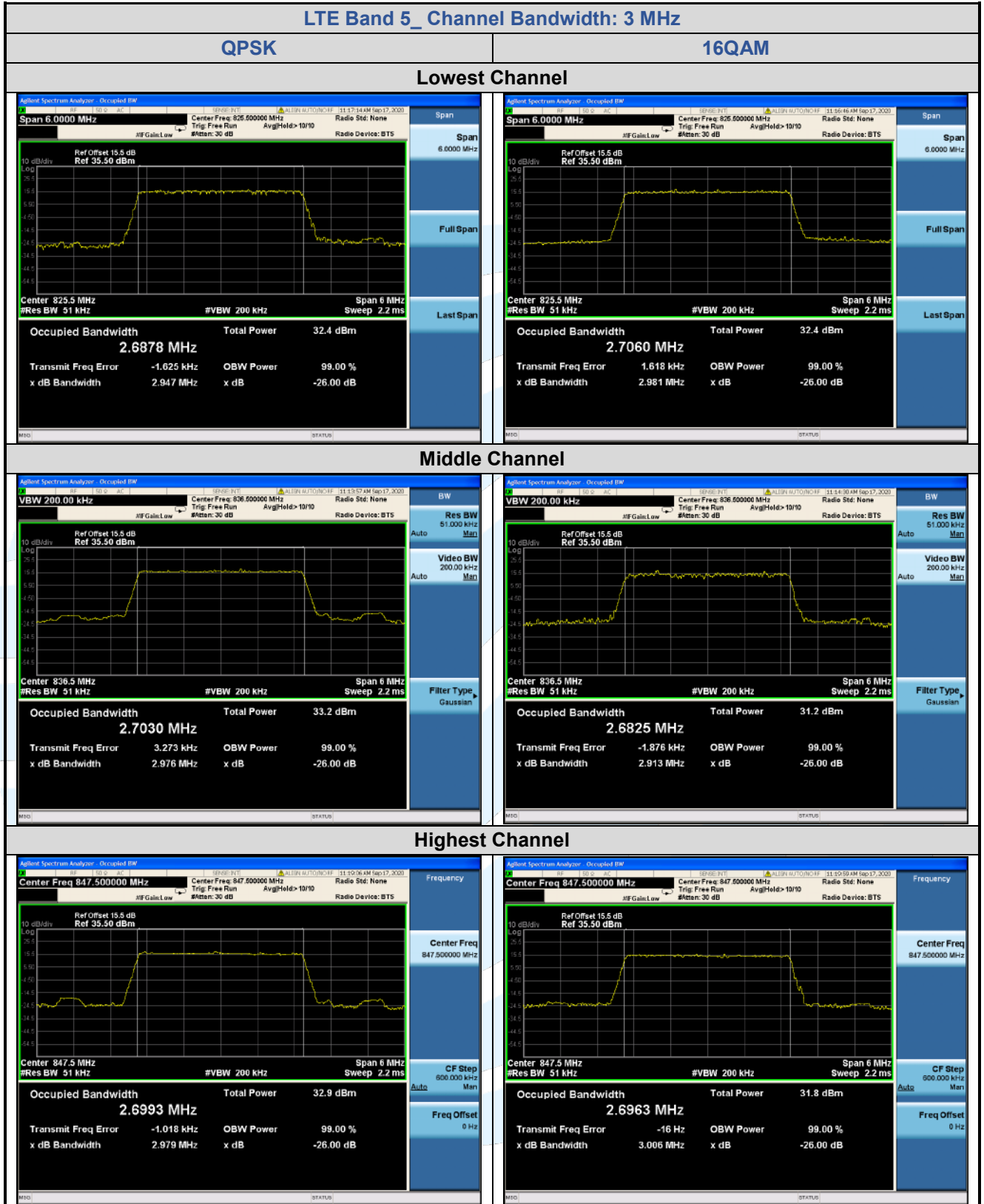
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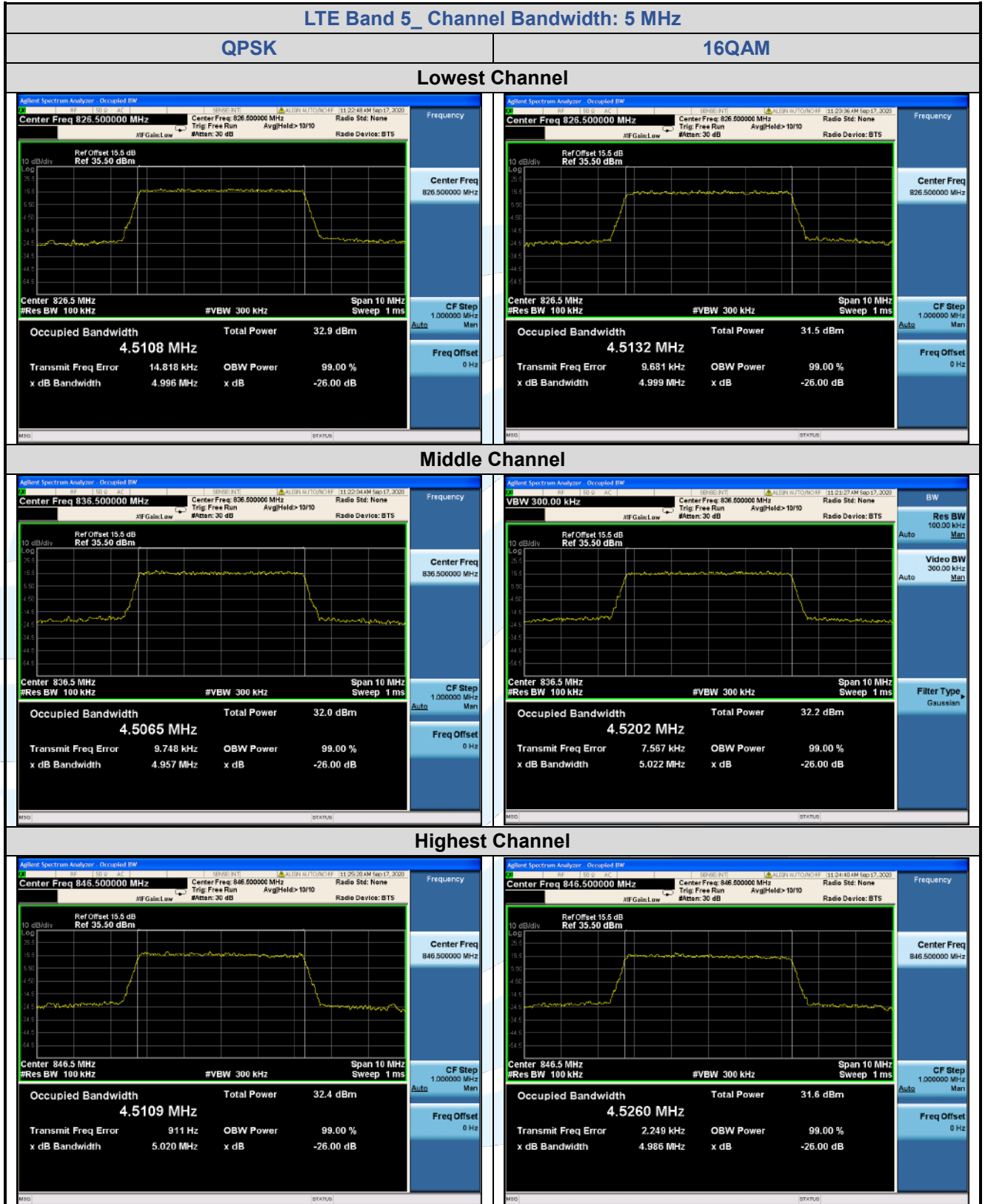
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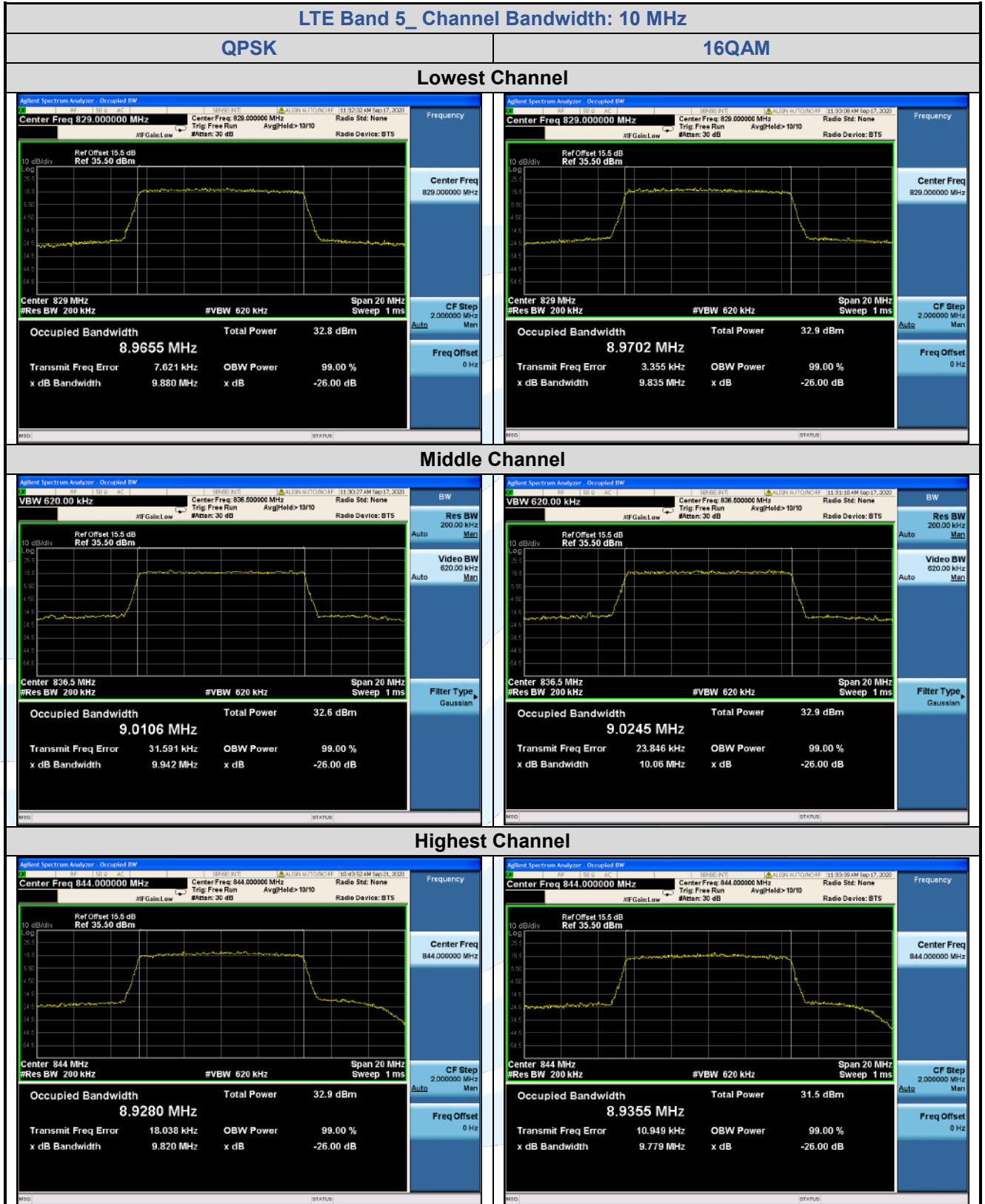
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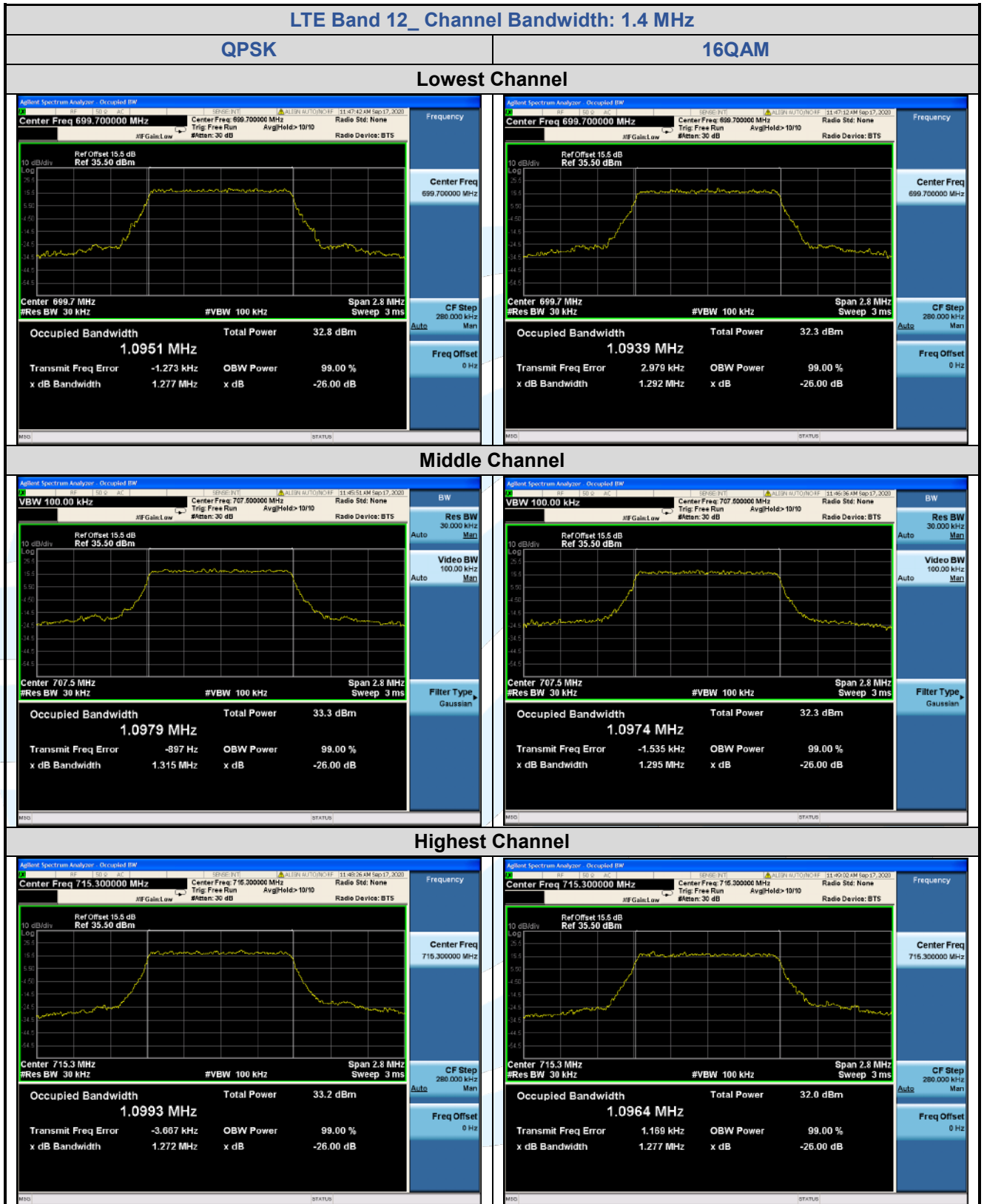
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**5.5.4 LTE Band 12**

| LTE Band 12                       |                  |        |                |       |       |              |        |       |
|-----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel                           | RB Configuration |        | 26 dB BW (MHz) |       |       | 99% BW (MHz) |        |       |
|                                   | Size             | Offset | QPSK           | 16QAM | 64QAM | QPSK         | 16QAM  | 64QAM |
| <b>Channel Bandwidth: 1.4 MHz</b> |                  |        |                |       |       |              |        |       |
| Lowest                            | 6                | 0      | 1.277          | 1.292 | /     | 1.0951       | 1.0939 | /     |
| Middle                            | 6                | 0      | 1.315          | 1.295 | /     | 1.0979       | 1.0974 | /     |
| Highest                           | 6                | 0      | 1.272          | 1.277 | /     | 1.0993       | 1.0964 | /     |
| <b>Channel Bandwidth: 3 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 15               | 0      | 2.969          | 2.979 | /     | 2.6973       | 2.7000 | /     |
| Middle                            | 15               | 0      | 2.976          | 2.996 | /     | 2.6982       | 2.7061 | /     |
| Highest                           | 15               | 0      | 2.986          | 2.973 | /     | 2.7036       | 2.7073 | /     |
| <b>Channel Bandwidth: 5 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 25               | 0      | 4.958          | 5.018 | /     | 4.5159       | 4.5166 | /     |
| Middle                            | 25               | 0      | 4.920          | 4.978 | /     | 4.5084       | 4.5088 | /     |
| Highest                           | 25               | 0      | 5.014          | 5.015 | /     | 4.5217       | 4.5218 | /     |
| <b>Channel Bandwidth: 10 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                            | 50               | 0      | 9.883          | 9.887 | /     | 8.9424       | 8.9691 | /     |
| Middle                            | 50               | 0      | 9.819          | 9.811 | /     | 8.9805       | 8.9715 | /     |
| Highest                           | 50               | 0      | 9.841          | 9.932 | /     | 9.0164       | 8.9957 | /     |



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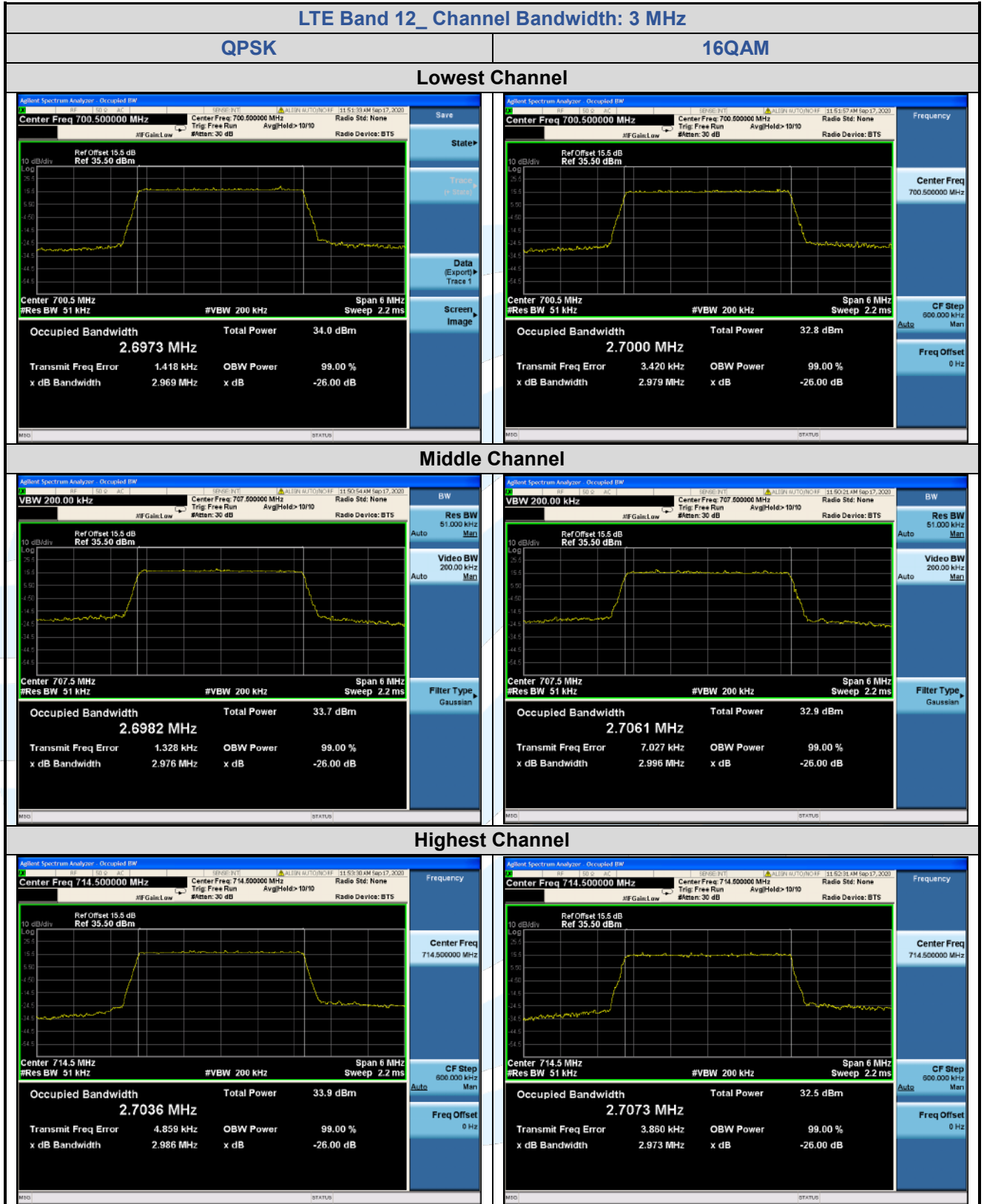
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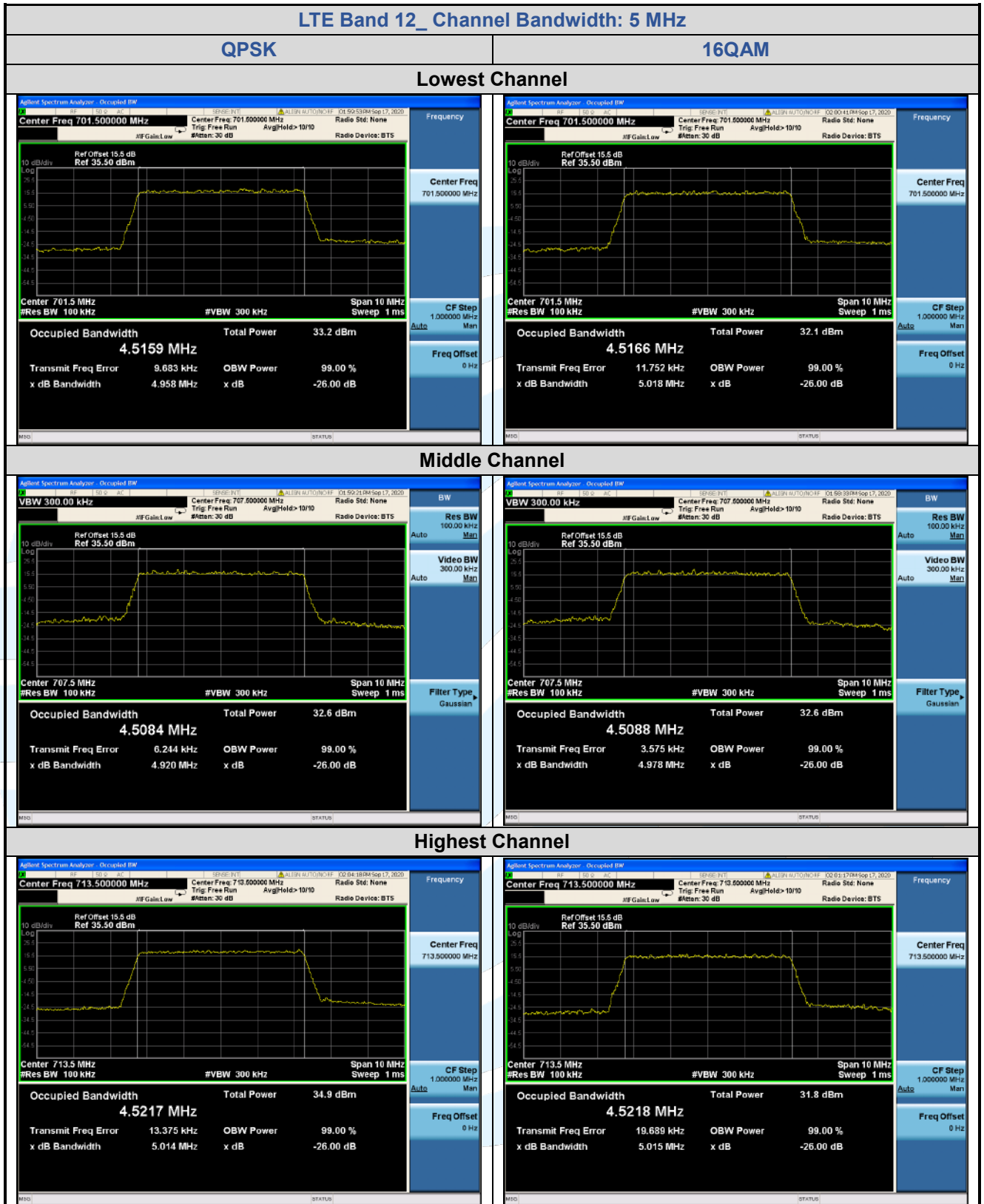
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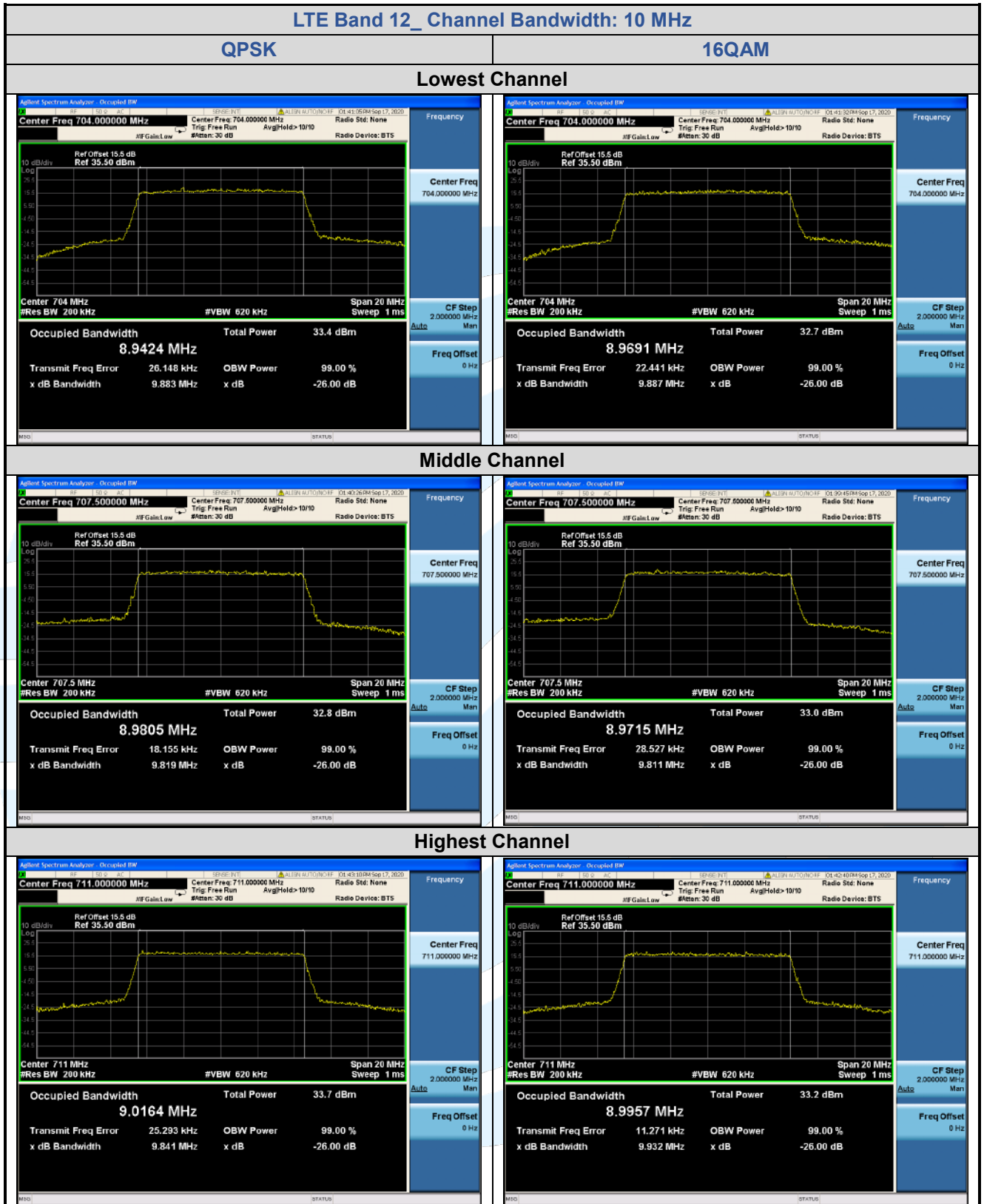
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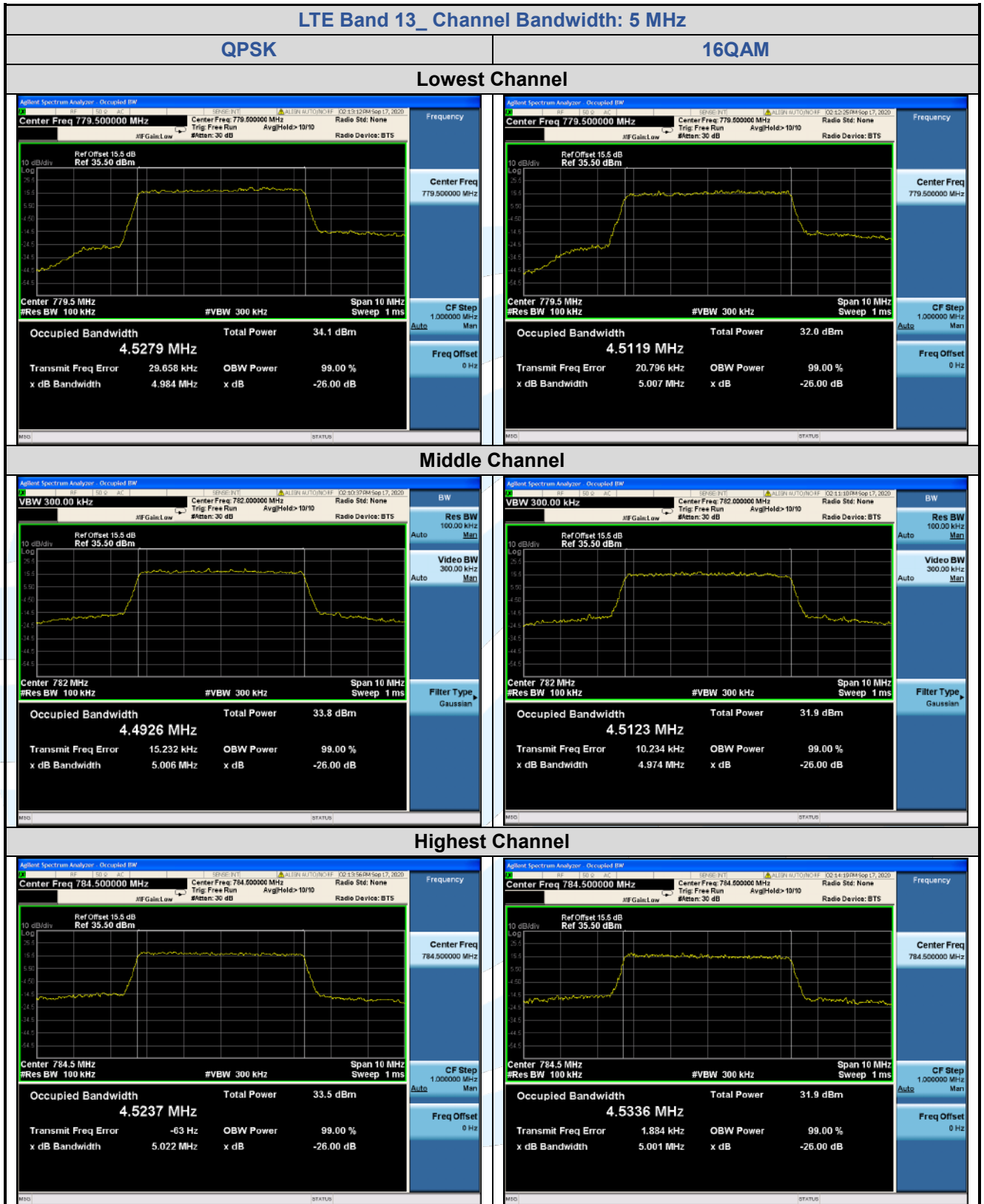
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**5.5.5 LTE Band 13**

| LTE Band 13                      |                  |        |                |       |       |              |        |       |
|----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel                          | RB Configuration |        | 26 dB BW (MHz) |       |       | 99% BW (MHz) |        |       |
|                                  | Size             | Offset | QPSK           | 16QAM | 64QAM | QPSK         | 16QAM  | 64QAM |
| <b>Channel Bandwidth: 5 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                           | 25               | 0      | 4.984          | 5.007 | /     | 4.5279       | 4.5119 | /     |
| Middle                           | 25               | 0      | 5.006          | 4.974 | /     | 4.4926       | 4.5123 | /     |
| Highest                          | 25               | 0      | 5.022          | 5.001 | /     | 4.5237       | 4.5336 | /     |
| <b>Channel Bandwidth: 10 MHz</b> |                  |        |                |       |       |              |        |       |
| Lowest                           | 50               | 0      | /              | /     | /     | /            | /      | /     |
| Middle                           | 50               | 0      | 9.833          | 9.784 | /     | 8.9627       | 8.9468 | /     |
| Highest                          | 50               | 0      | /              | /     | /     | /            | /      | /     |



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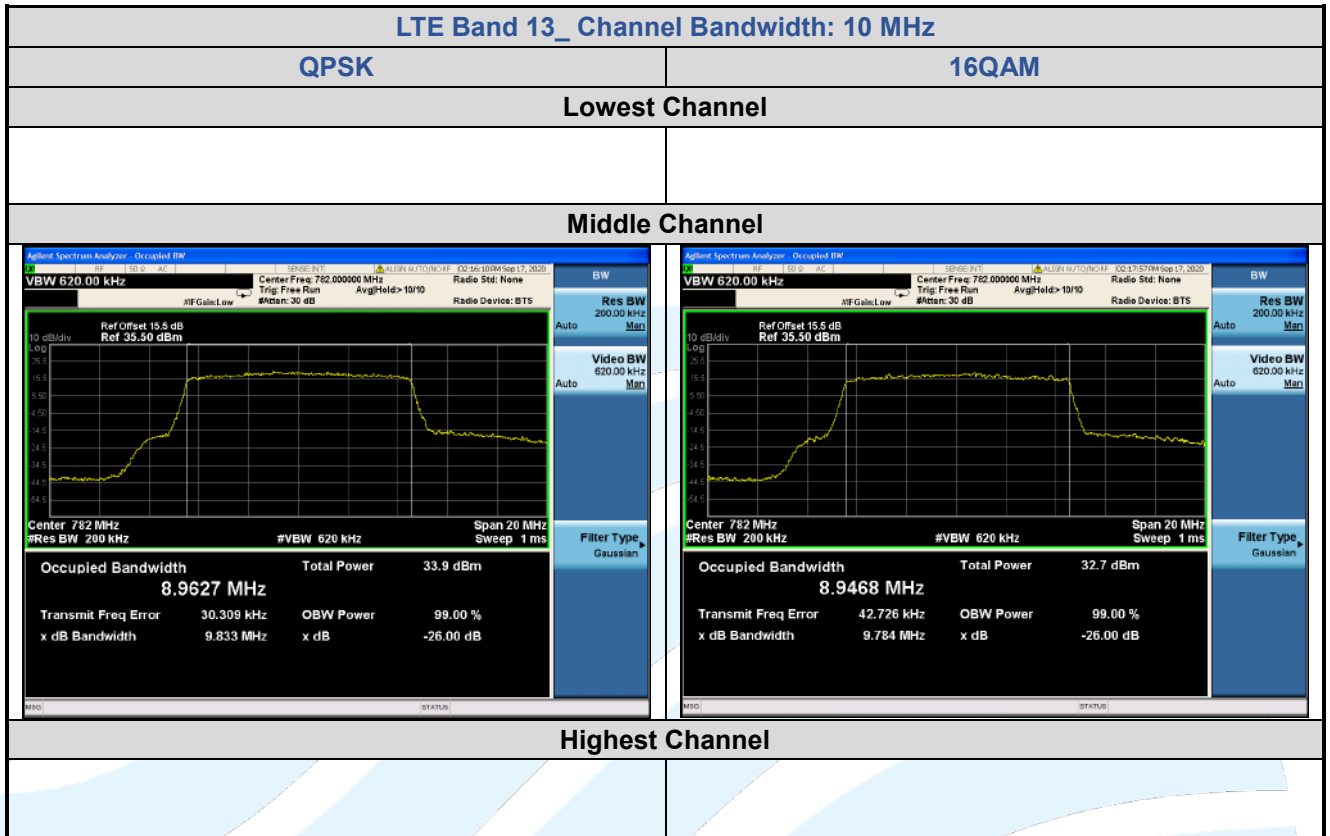
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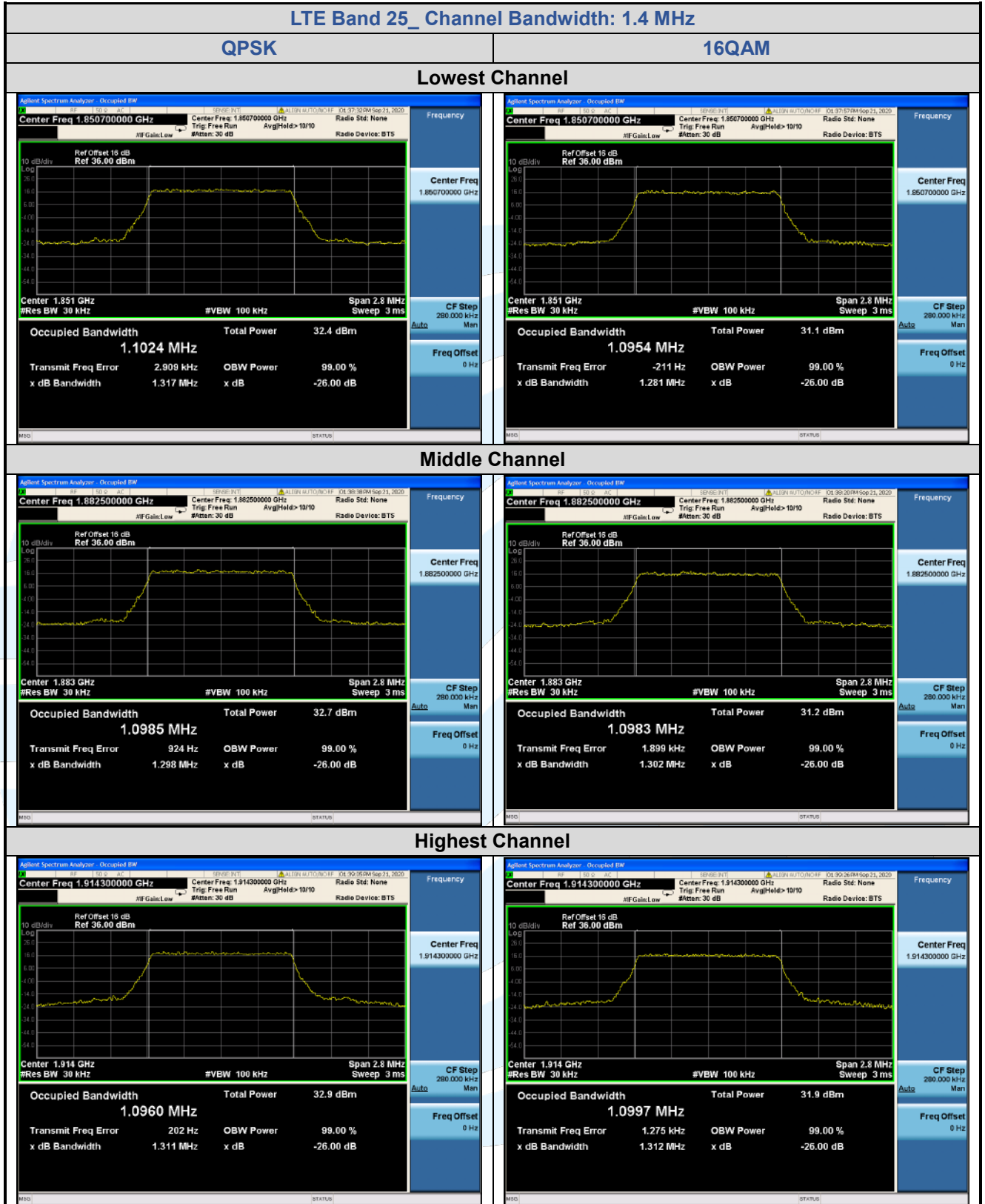
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**5.5.6 LTE Band 25**

| LTE Band 25                       |                  |        |                |       |       |              |        |       |
|-----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel                           | RB Configuration |        | 26 dB BW (MHz) |       |       | 99% BW (MHz) |        |       |
|                                   | Size             | Offset | QPSK           | 16QAM | 64QAM | QPSK         | 16QAM  | 64QAM |
| <b>Channel Bandwidth: 1.4 MHz</b> |                  |        |                |       |       |              |        |       |
| Lowest                            | 6                | 0      | 1.317          | 1.281 | /     | 1.1024       | 1.0954 | /     |
| Middle                            | 6                | 0      | 1.298          | 1.302 | /     | 1.0985       | 1.0983 | /     |
| Highest                           | 6                | 0      | 1.311          | 1.312 | /     | 1.0960       | 1.0997 | /     |
| <b>Channel Bandwidth: 3 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 15               | 0      | 2.980          | 2.975 | /     | 2.7002       | 2.7060 | /     |
| Middle                            | 15               | 0      | 2.992          | 2.969 | /     | 2.7080       | 2.6970 | /     |
| Highest                           | 15               | 0      | 2.984          | 2.995 | /     | 2.7071       | 2.7008 | /     |
| <b>Channel Bandwidth: 5 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 25               | 0      | 5.056          | 5.052 | /     | 4.5339       | 4.5324 | /     |
| Middle                            | 25               | 0      | 4.992          | 5.051 | /     | 4.5073       | 4.5283 | /     |
| Highest                           | 25               | 0      | 5.023          | 5.004 | /     | 4.5290       | 4.5107 | /     |
| <b>Channel Bandwidth: 10 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                            | 50               | 0      | 9.865          | 9.813 | /     | 8.9726       | 8.9664 | /     |
| Middle                            | 50               | 0      | 9.863          | 9.841 | /     | 8.9730       | 8.9822 | /     |
| Highest                           | 50               | 0      | 9.955          | 9.836 | /     | 8.9931       | 8.9538 | /     |
| <b>Channel Bandwidth: 15 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                            | 75               | 0      | 14.72          | 14.71 | /     | 13.452       | 13.480 | /     |
| Middle                            | 75               | 0      | 14.71          | 14.61 | /     | 13.446       | 13.459 | /     |
| Highest                           | 75               | 0      | 14.61          | 14.74 | /     | 13.406       | 13.437 | /     |
| <b>Channel Bandwidth: 20 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                            | 100              | 0      | 19.41          | 19.42 | /     | 17.930       | 17.954 | /     |
| Middle                            | 100              | 0      | 19.40          | 19.48 | /     | 17.920       | 17.898 | /     |
| Highest                           | 100              | 0      | 19.40          | 19.44 | /     | 17.938       | 17.924 | /     |



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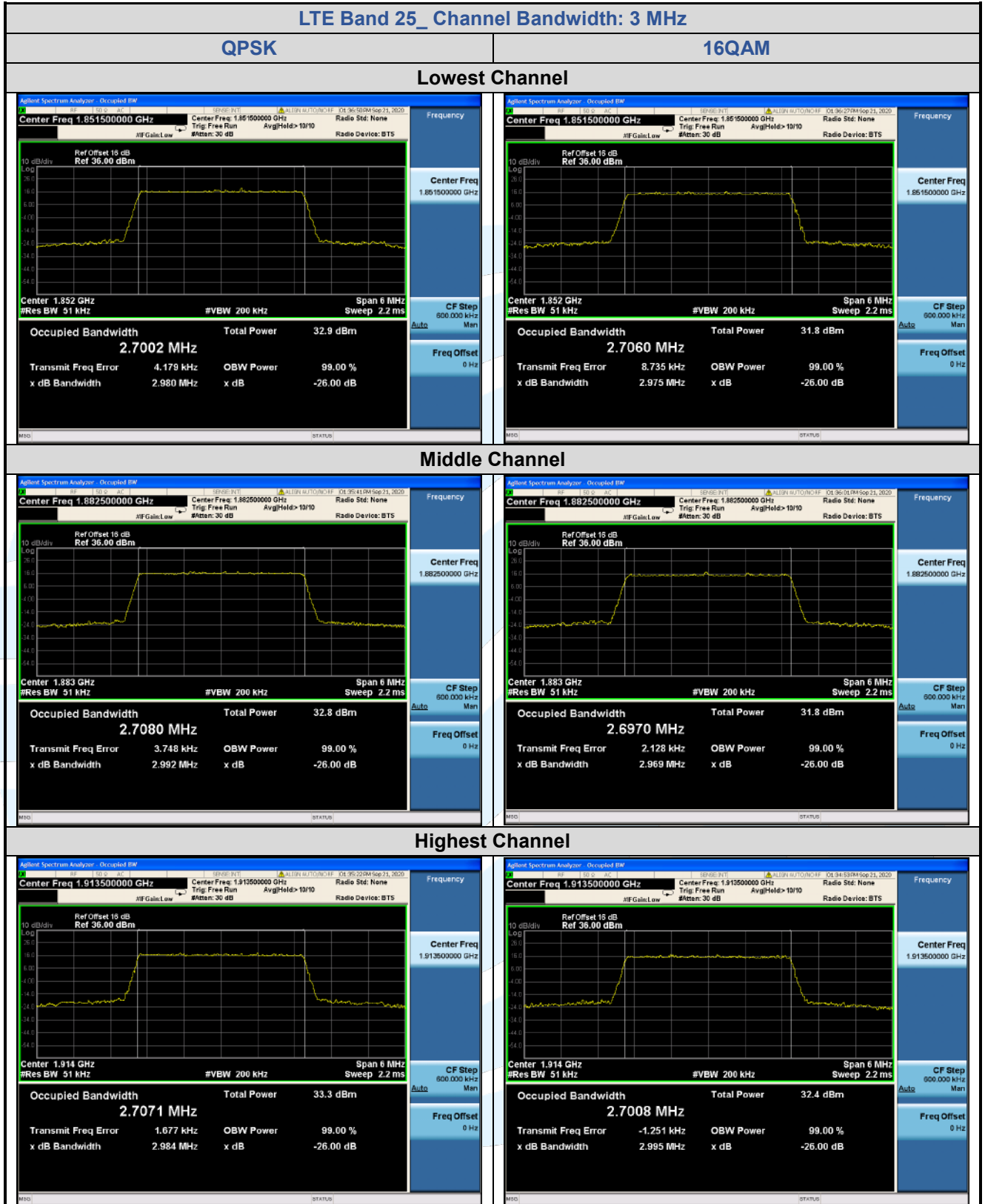
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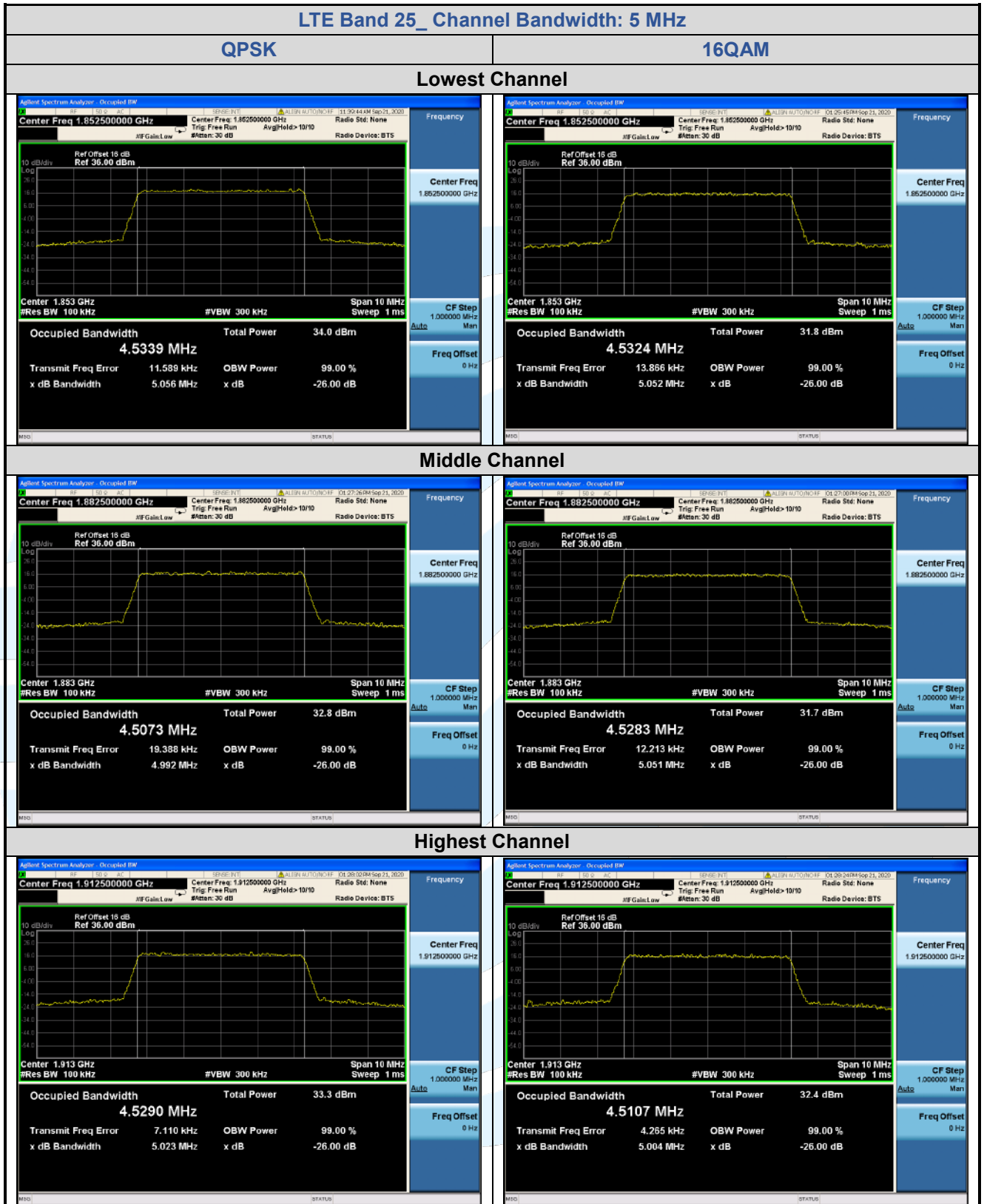
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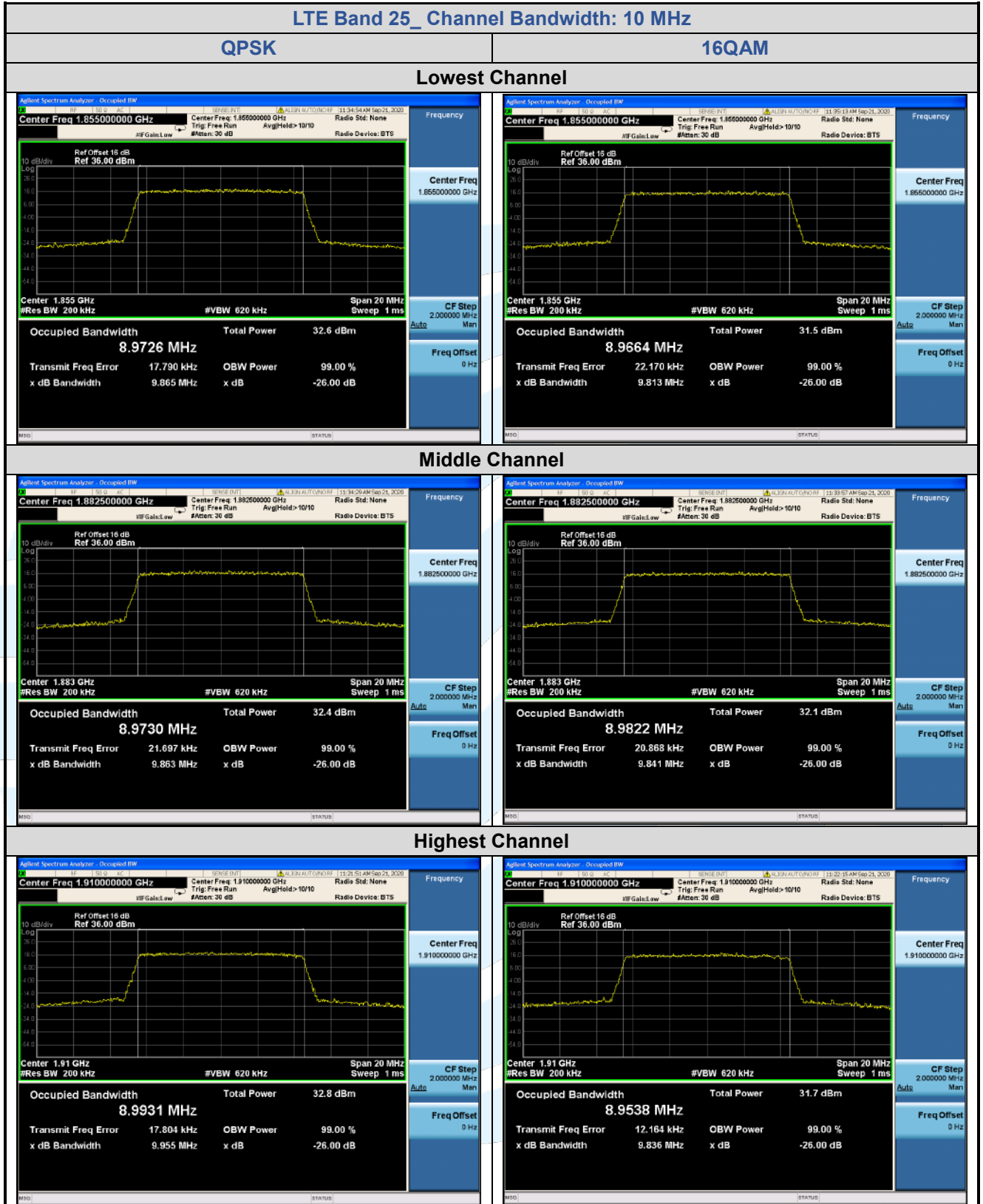
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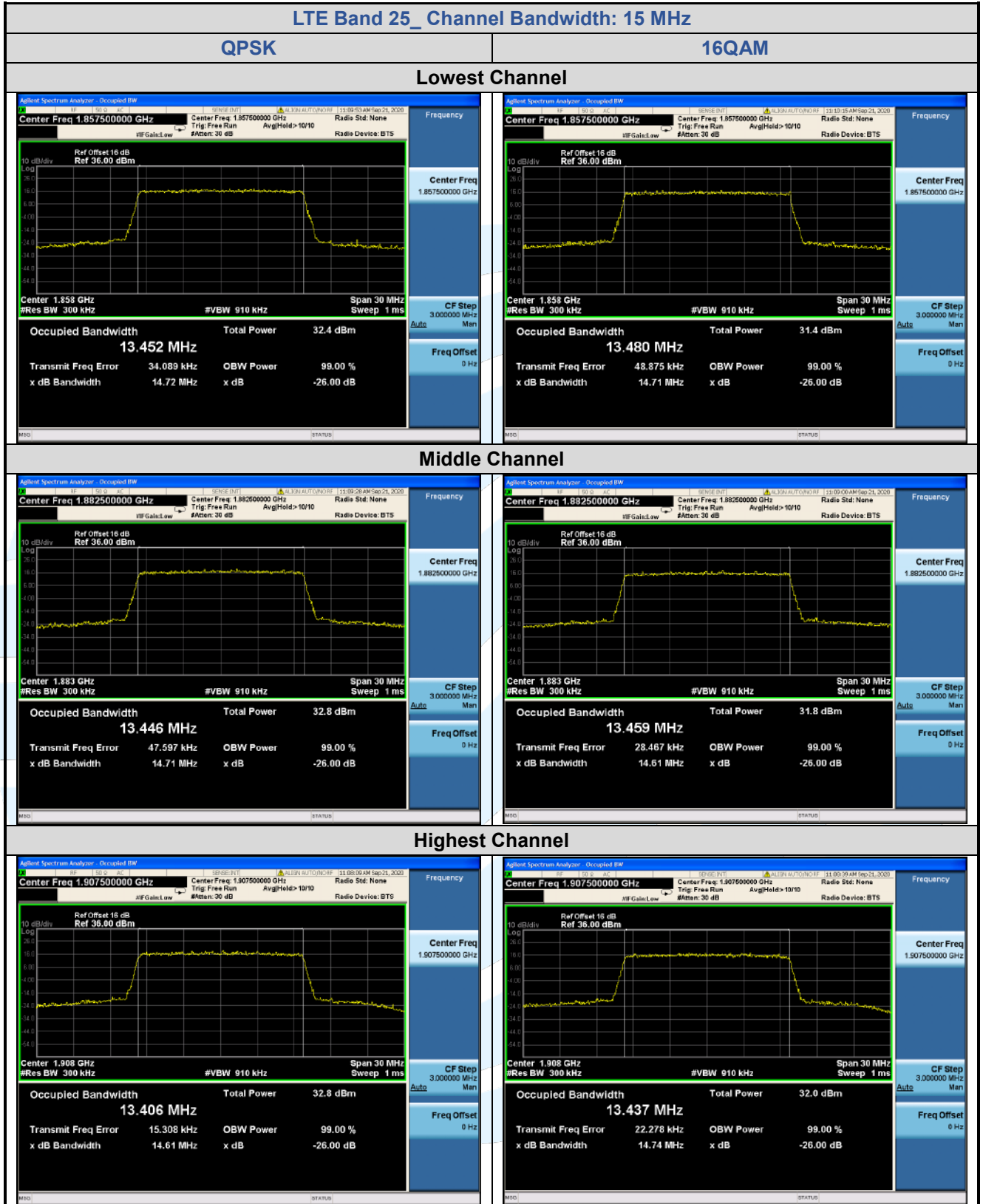
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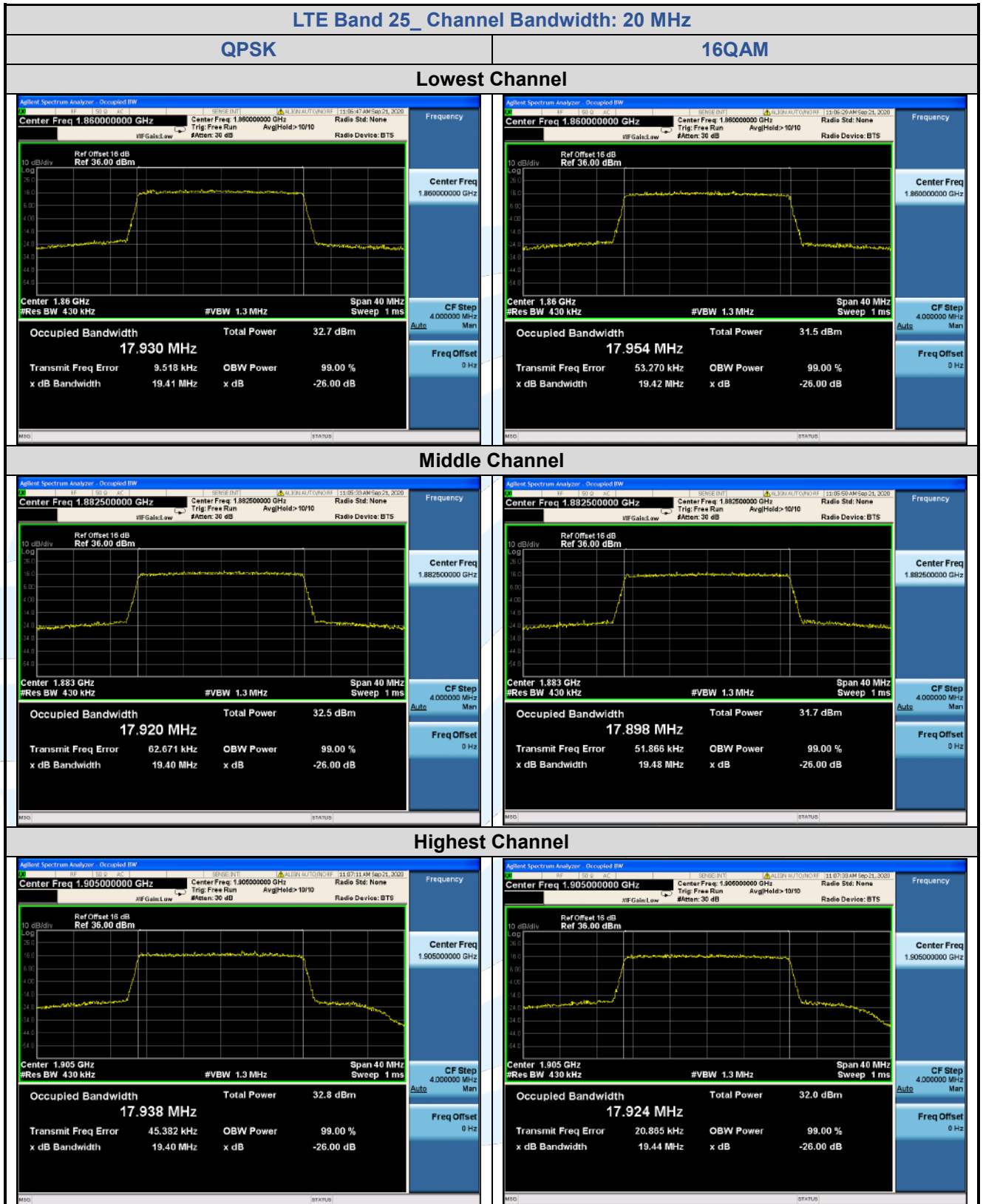
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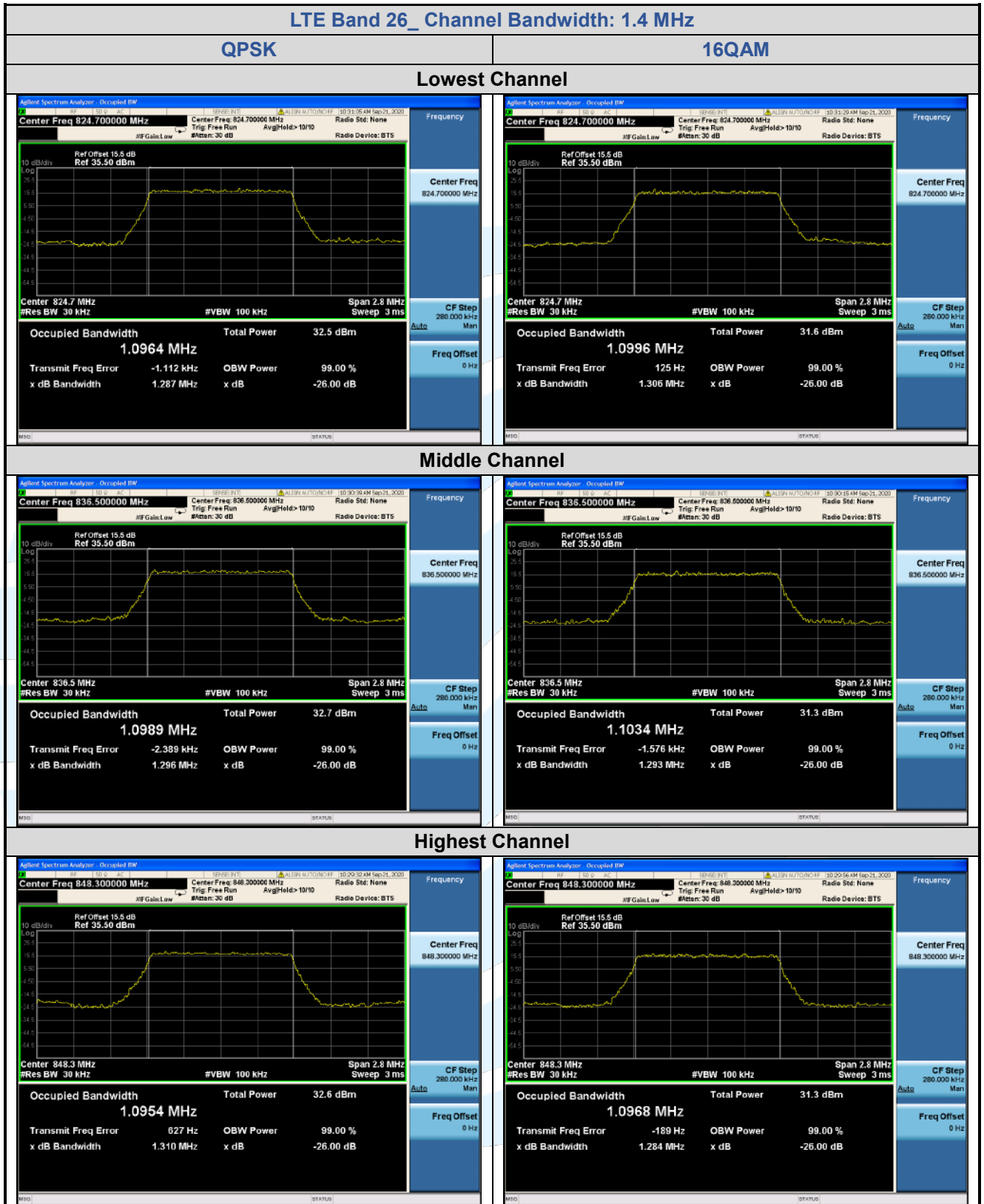
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**5.5.7 LTE Band 26**

| LTE Band 26                       |                  |        |                |       |       |              |        |       |
|-----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel                           | RB Configuration |        | 26 dB BW (MHz) |       |       | 99% BW (MHz) |        |       |
|                                   | Size             | Offset | QPSK           | 16QAM | 64QAM | QPSK         | 16QAM  | 64QAM |
| <b>Channel Bandwidth: 1.4 MHz</b> |                  |        |                |       |       |              |        |       |
| Lowest                            | 6                | 0      | 1.287          | 1.306 | /     | 1.0964       | 1.0996 | /     |
| Middle                            | 6                | 0      | 1.296          | 1.293 | /     | 1.0989       | 1.1034 | /     |
| Highest                           | 6                | 0      | 1.310          | 1.284 | /     | 1.0954       | 1.0968 | /     |
| <b>Channel Bandwidth: 3 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 15               | 0      | 2.973          | 2.962 | /     | 2.6930       | 2.6932 | /     |
| Middle                            | 15               | 0      | 2.983          | 2.993 | /     | 2.7080       | 2.6929 | /     |
| Highest                           | 15               | 0      | 2.976          | 2.980 | /     | 2.7029       | 2.6970 | /     |
| <b>Channel Bandwidth: 5 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 25               | 0      | 5.013          | 5.030 | /     | 4.5130       | 4.5193 | /     |
| Middle                            | 25               | 0      | 5.050          | 5.011 | /     | 4.5379       | 4.5231 | /     |
| Highest                           | 25               | 0      | 5.000          | 5.013 | /     | 4.5169       | 4.5110 | /     |
| <b>Channel Bandwidth: 10 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                            | 50               | 0      | 9.893          | 9.837 | /     | 8.9641       | 8.9243 | /     |
| Middle                            | 50               | 0      | 9.895          | 9.928 | /     | 9.0080       | 8.9894 | /     |
| Highest                           | 50               | 0      | 9.781          | 9.786 | /     | 8.9344       | 8.9378 | /     |
| <b>Channel Bandwidth: 15 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                            | 75               | 0      | 14.67          | 14.53 | /     | 13.441       | 13.422 | /     |
| Middle                            | 75               | 0      | 14.86          | 14.82 | /     | 13.538       | 13.523 | /     |
| Highest                           | 75               | 0      | 14.69          | 14.58 | /     | 13.425       | 13.395 | /     |





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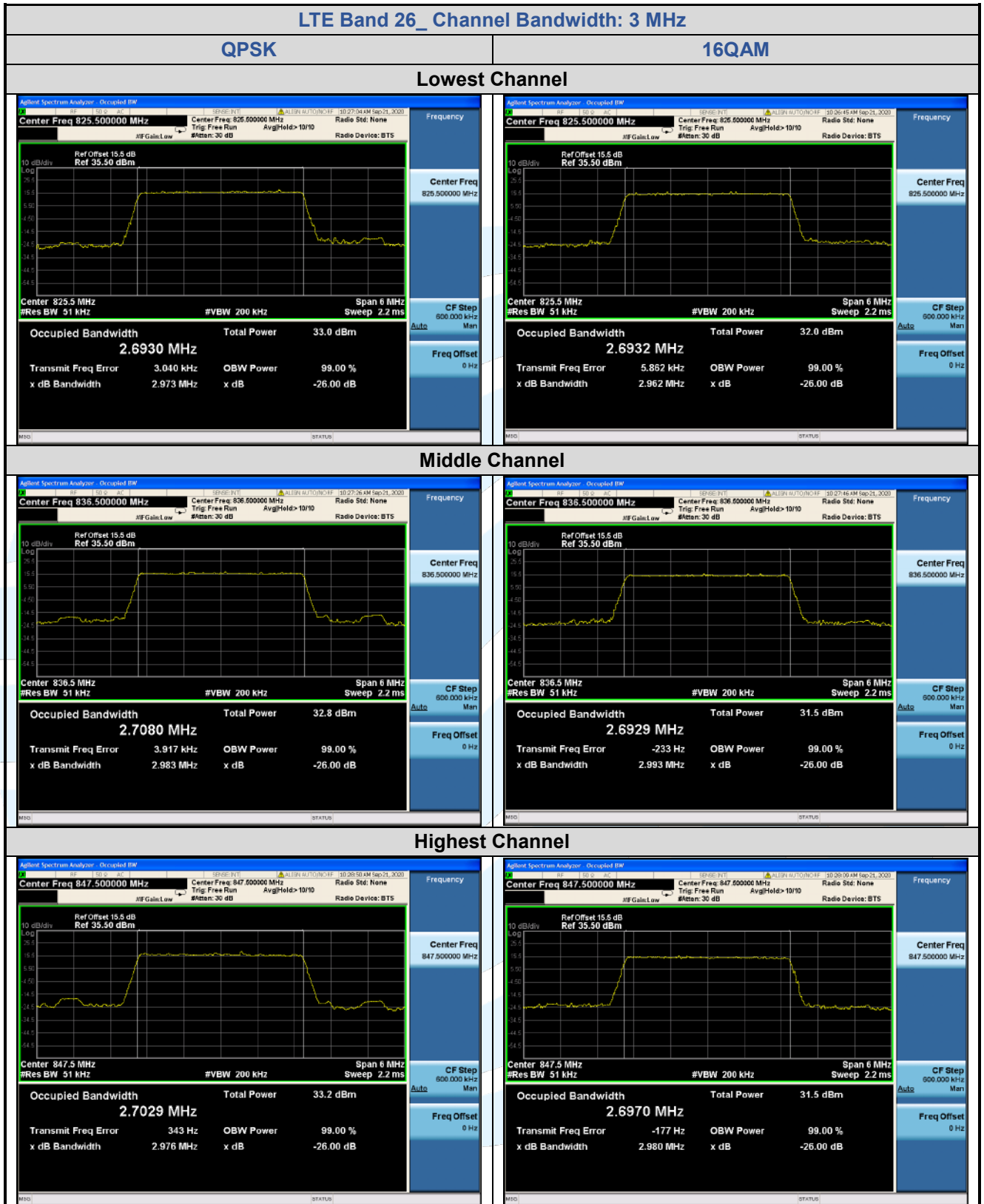
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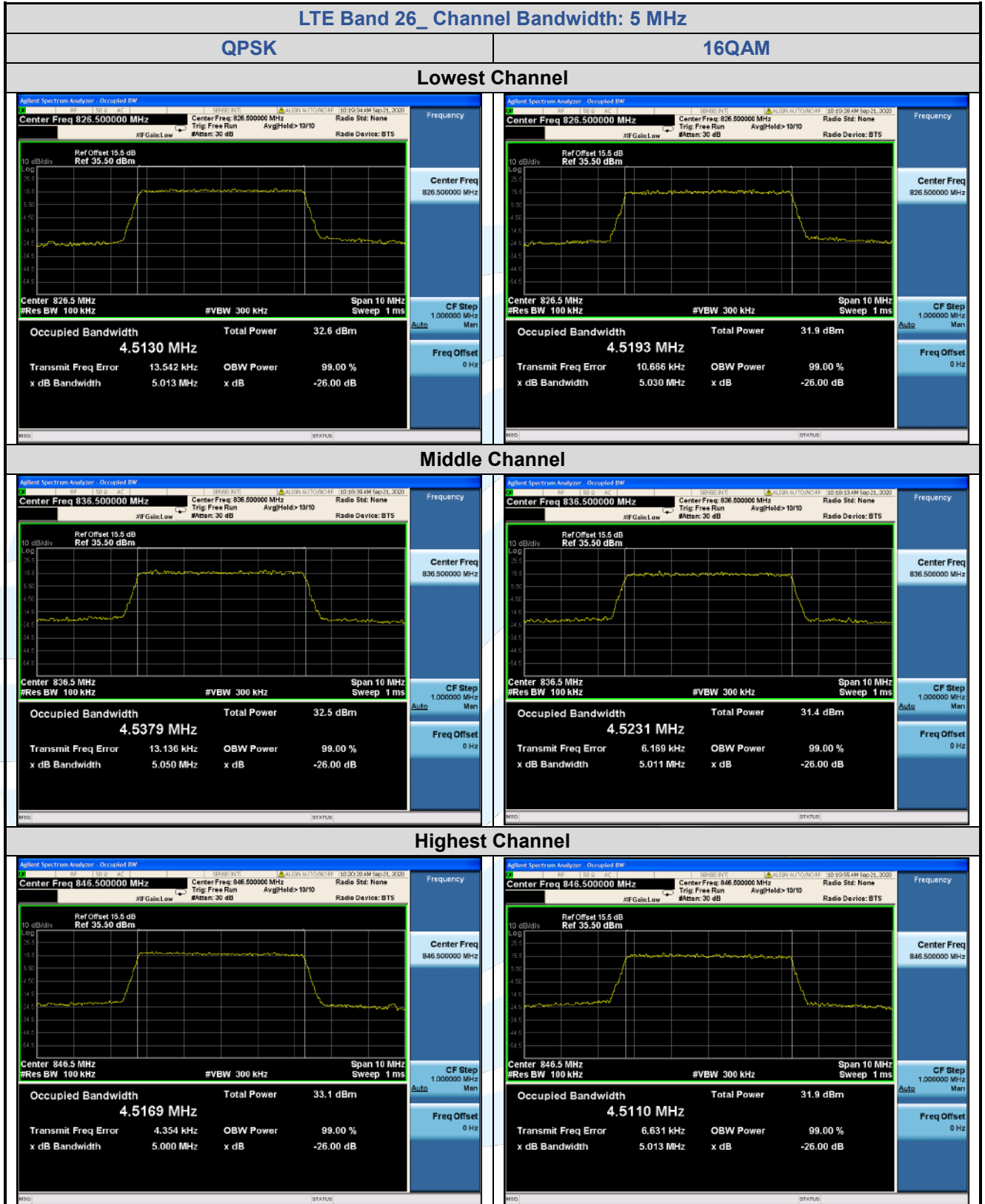
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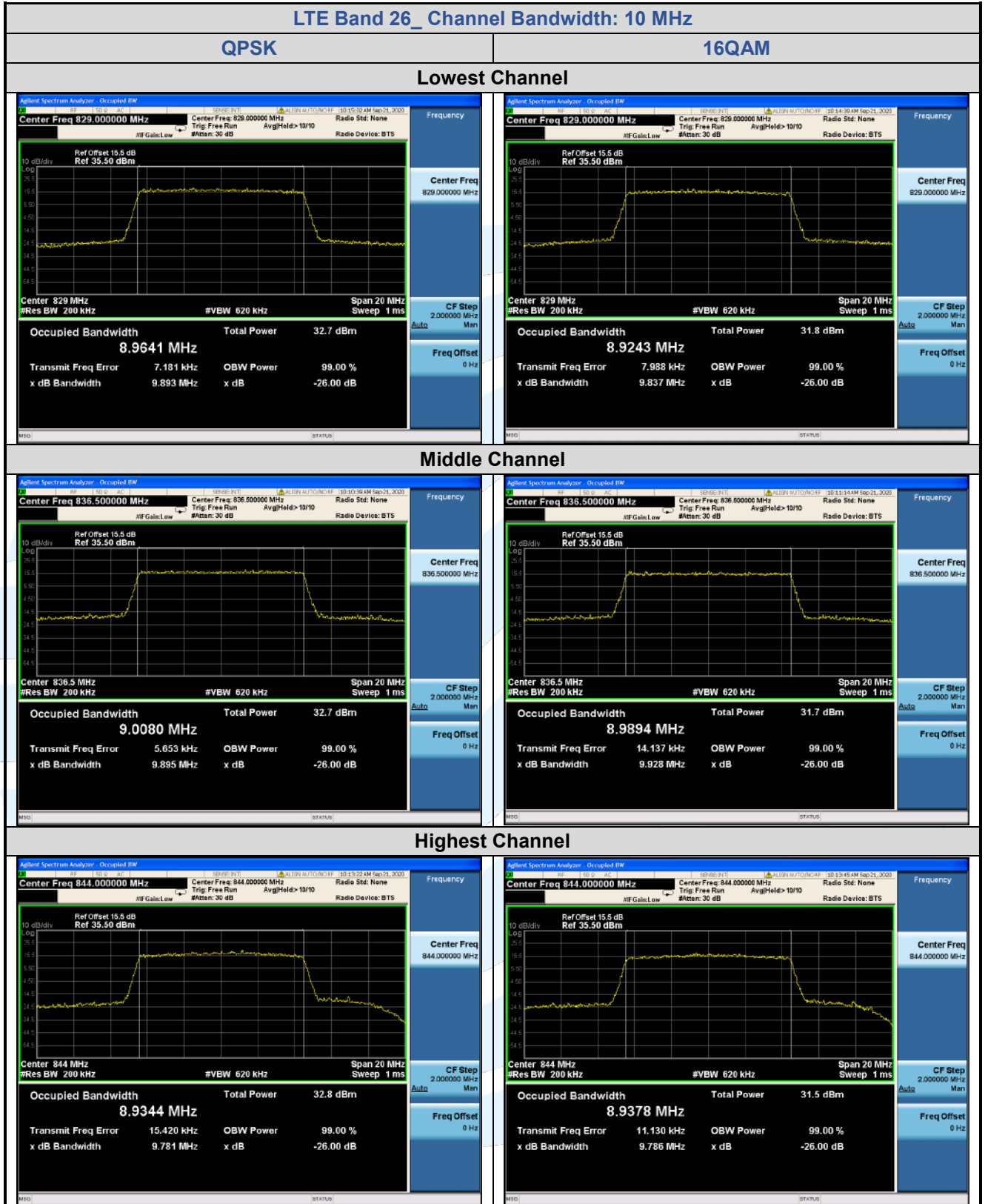
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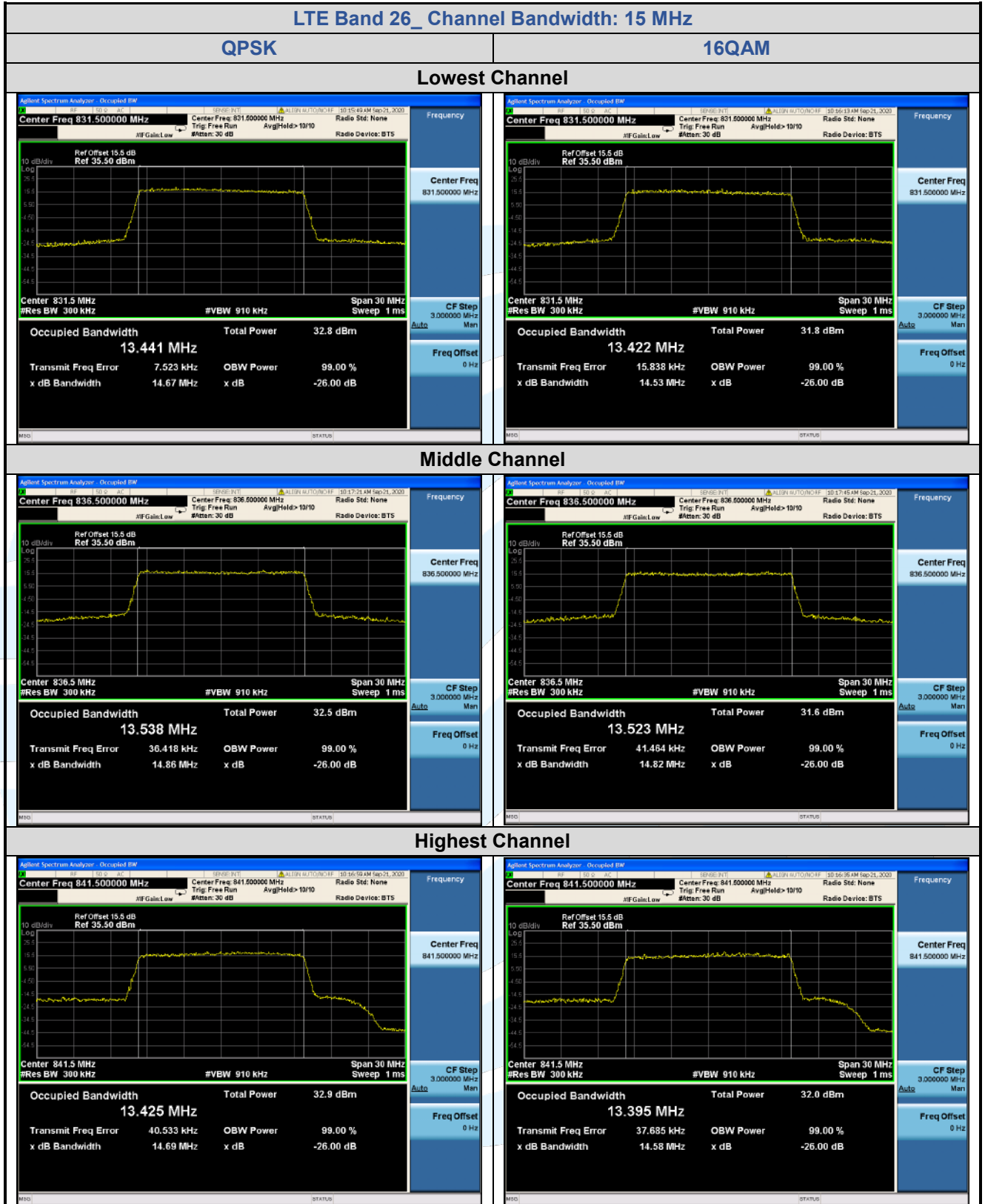
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**5.5.8 LTE Band 26 (Part 90S)**

| LTE Band 26                       |                  |        |                |       |       |              |        |       |
|-----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel                           | RB Configuration |        | 26 dB BW (MHz) |       |       | 99% BW (MHz) |        |       |
|                                   | Size             | Offset | QPSK           | 16QAM | 64QAM | QPSK         | 16QAM  | 64QAM |
| <b>Channel Bandwidth: 1.4 MHz</b> |                  |        |                |       |       |              |        |       |
| Lowest                            | 6                | 0      | 1.307          | 1.330 | /     | 1.0993       | 1.1010 | /     |
| Middle                            | 6                | 0      | 1.310          | 1.286 | /     | 1.1006       | 1.0955 | /     |
| Highest                           | 6                | 0      | 1.283          | 1.288 | /     | 1.1035       | 1.0996 | /     |
| <b>Channel Bandwidth: 3 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 15               | 0      | 3.001          | 2.990 | /     | 2.6922       | 2.7107 | /     |
| Middle                            | 15               | 0      | 2.984          | 2.989 | /     | 2.7032       | 2.7017 | /     |
| Highest                           | 15               | 0      | 2.978          | 2.993 | /     | 2.7068       | 2.7045 | /     |
| <b>Channel Bandwidth: 5 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 25               | 0      | 5.005          | 5.016 | /     | 4.5270       | 4.5092 | /     |
| Middle                            | 25               | 0      | 5.008          | 5.006 | /     | 4.5068       | 4.5279 | /     |
| Highest                           | 25               | 0      | 4.985          | 5.057 | /     | 4.5147       | 4.5227 | /     |
| <b>Channel Bandwidth: 10 MHz</b>  |                  |        |                |       |       |              |        |       |
| Middle                            | 50               | 0      | 9.891          | 9.915 | /     | 9.0023       | 9.0312 | /     |

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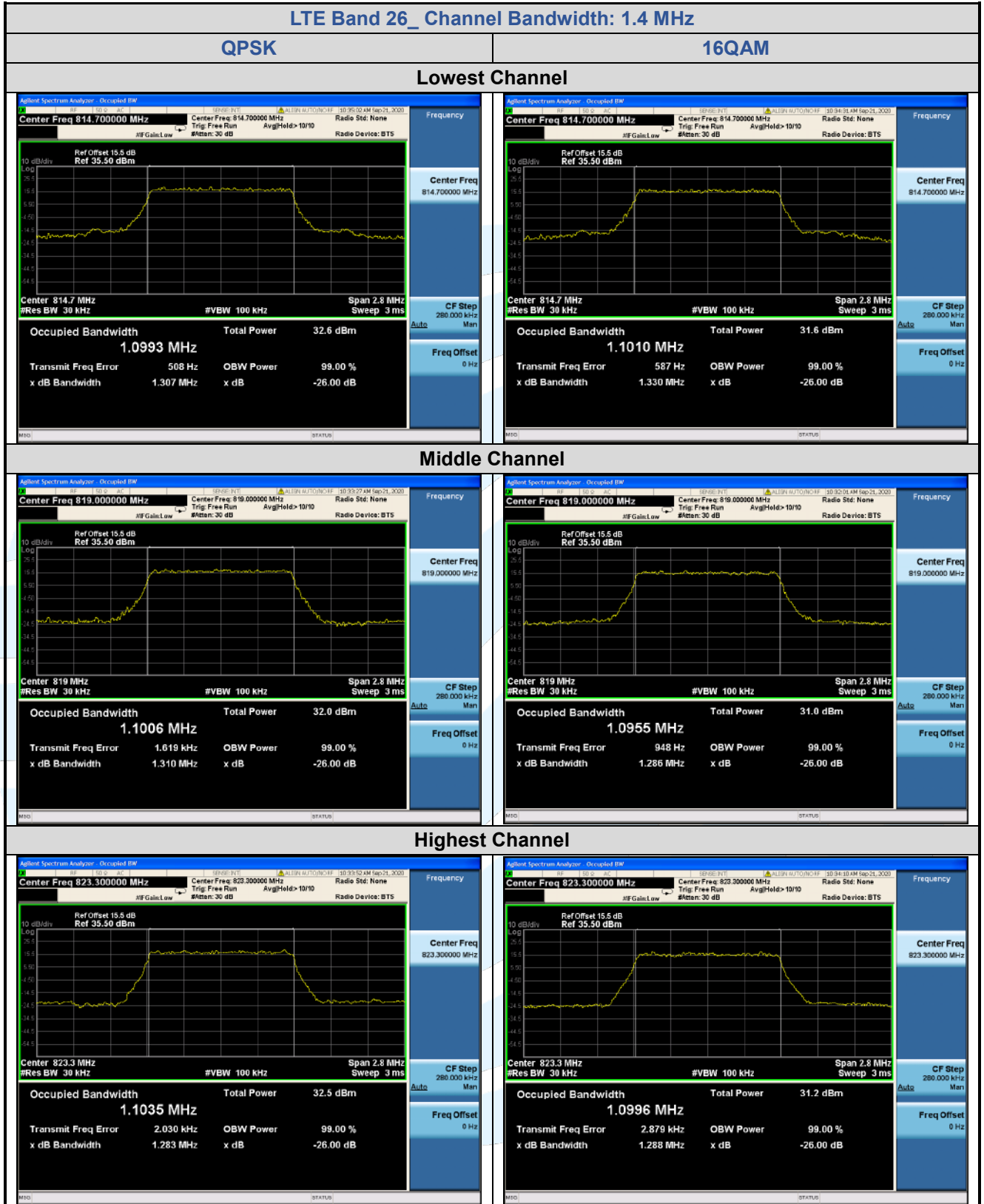
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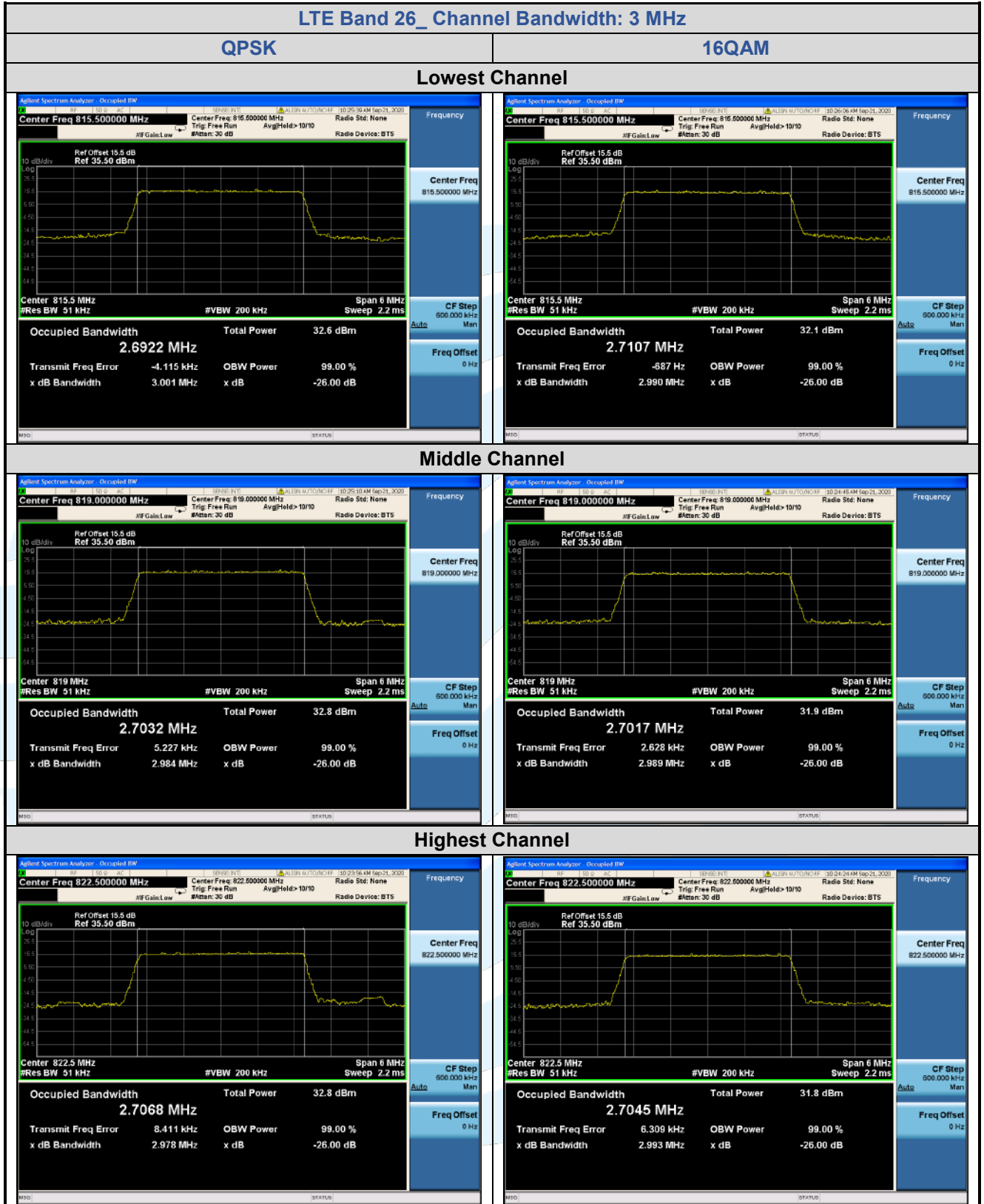
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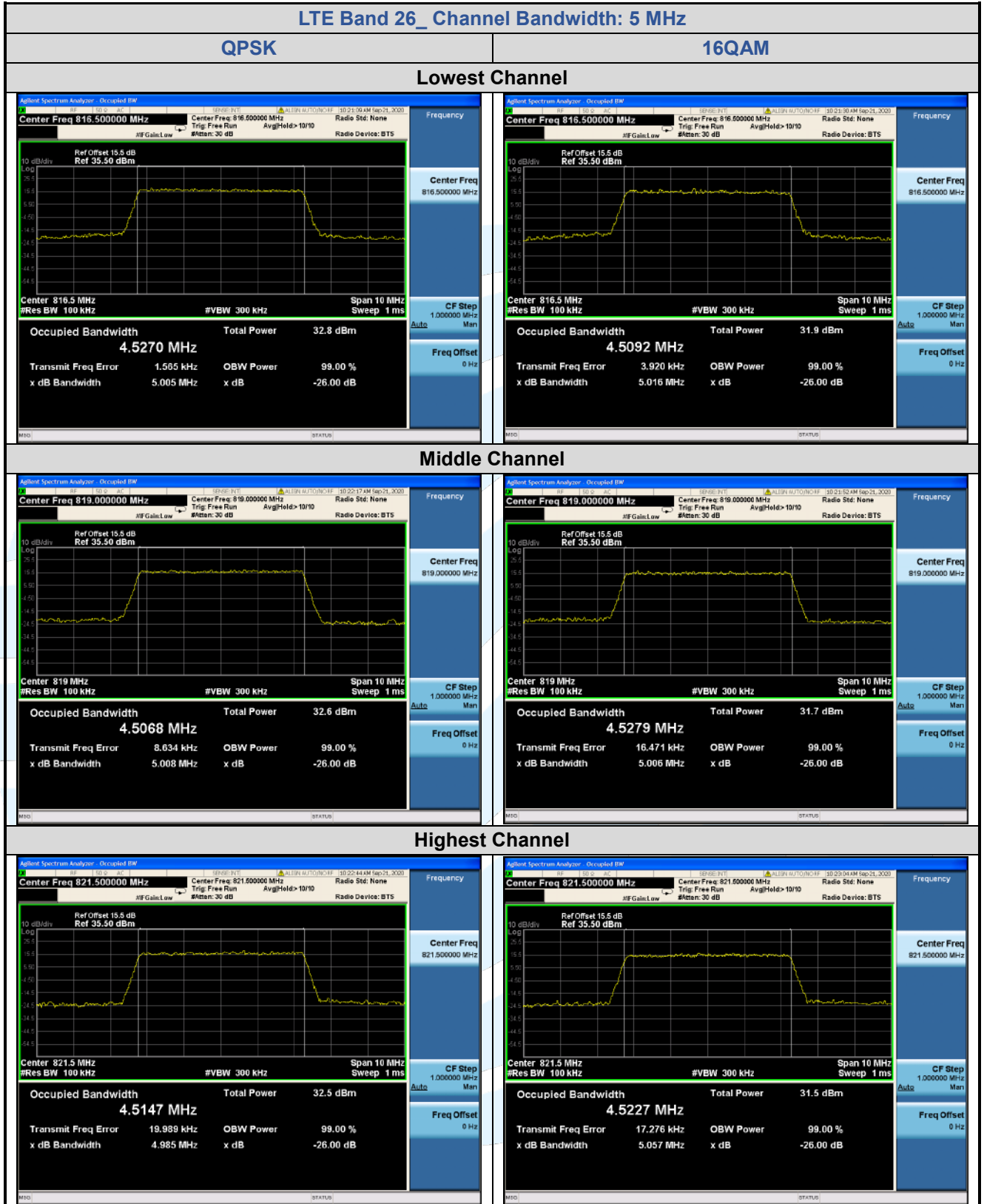
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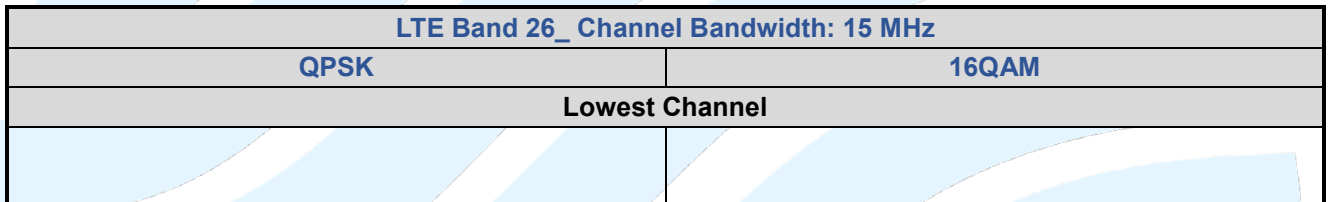
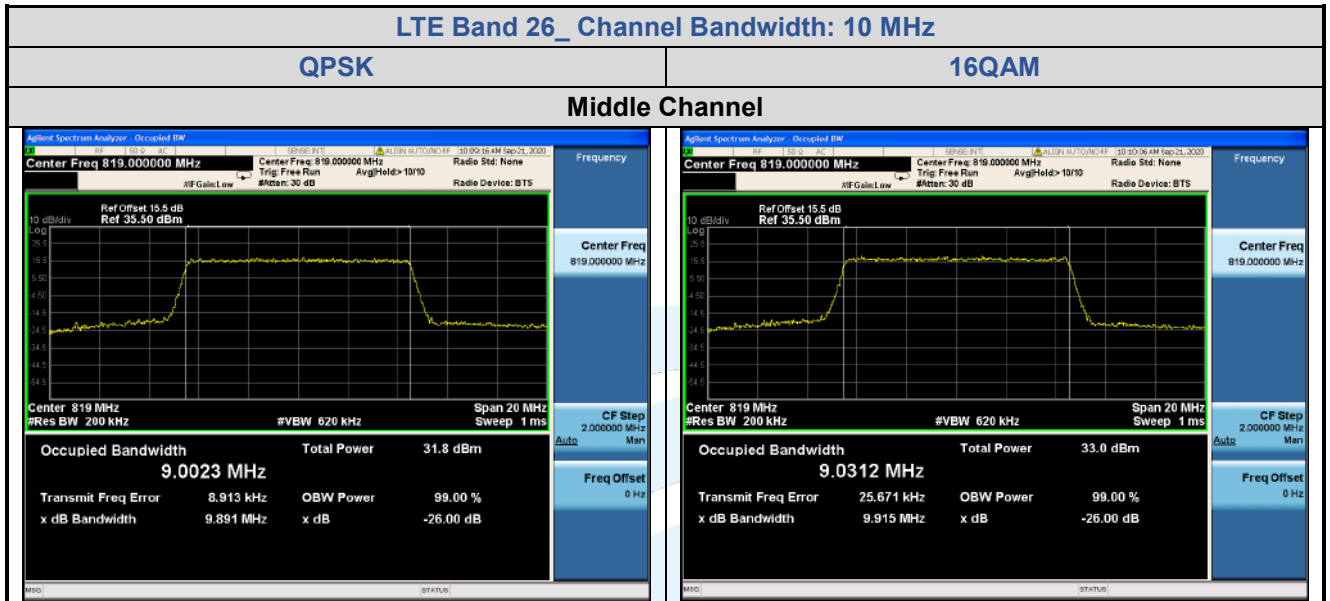
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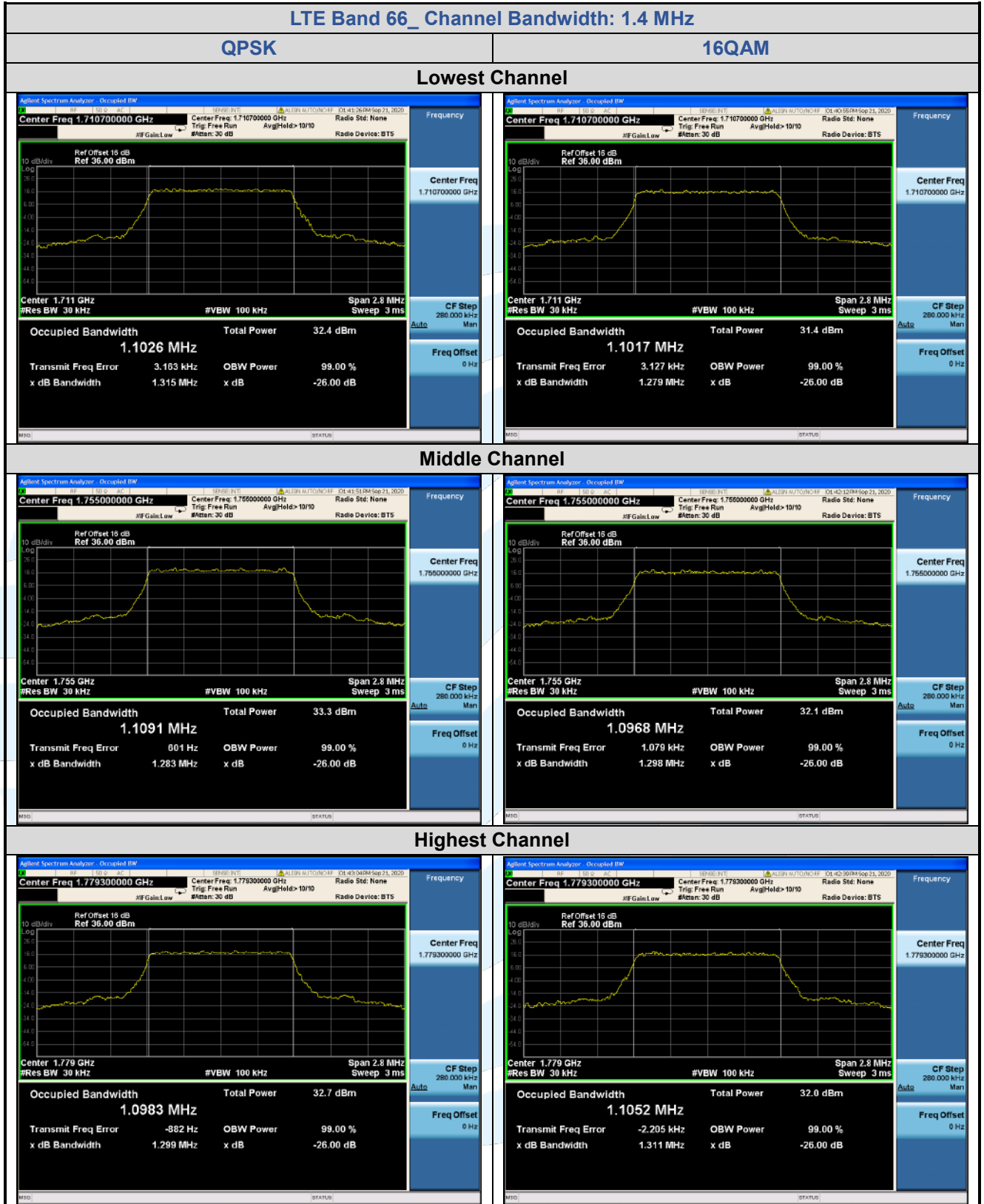
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**5.5.9 LTE Band 66**

| LTE Band 66                       |                  |        |                |       |       |              |        |       |
|-----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel                           | RB Configuration |        | 26 dB BW (MHz) |       |       | 99% BW (MHz) |        |       |
|                                   | Size             | Offset | QPSK           | 16QAM | 64QAM | QPSK         | 16QAM  | 64QAM |
| <b>Channel Bandwidth: 1.4 MHz</b> |                  |        |                |       |       |              |        |       |
| Lowest                            | 6                | 0      | 1.315          | 1.279 | /     | 1.1026       | 1.1017 | /     |
| Middle                            | 6                | 0      | 1.283          | 1.298 | /     | 1.1091       | 1.0968 | /     |
| Highest                           | 6                | 0      | 1.299          | 1.311 | /     | 1.0983       | 1.1052 | /     |
| <b>Channel Bandwidth: 3 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 15               | 0      | 3.000          | 3.000 | /     | 2.7032       | 2.7058 | /     |
| Middle                            | 15               | 0      | 2.980          | 3.007 | /     | 2.6971       | 2.6969 | /     |
| Highest                           | 15               | 0      | 2.989          | 2.989 | /     | 2.7109       | 2.6973 | /     |
| <b>Channel Bandwidth: 5 MHz</b>   |                  |        |                |       |       |              |        |       |
| Lowest                            | 25               | 0      | 5.041          | 4.978 | /     | 4.5232       | 4.5145 | /     |
| Middle                            | 25               | 0      | 5.003          | 5.042 | /     | 4.5303       | 4.5309 | /     |
| Highest                           | 25               | 0      | 5.007          | 5.019 | /     | 4.5332       | 4.5177 | /     |
| <b>Channel Bandwidth: 10 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                            | 50               | 0      | 9.865          | 9.908 | /     | 8.9837       | 8.9635 | /     |
| Middle                            | 50               | 0      | 9.798          | 9.806 | /     | 8.9645       | 8.9739 | /     |
| Highest                           | 50               | 0      | 9.906          | 9.866 | /     | 8.9935       | 8.9875 | /     |
| <b>Channel Bandwidth: 15 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                            | 75               | 0      | 14.58          | 14.61 | /     | 13.406       | 13.445 | /     |
| Middle                            | 75               | 0      | 14.63          | 14.57 | /     | 13.451       | 13.444 | /     |
| Highest                           | 75               | 0      | 14.82          | 14.67 | /     | 13.480       | 13.448 | /     |
| <b>Channel Bandwidth: 20 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                            | 100              | 0      | 19.53          | 19.52 | /     | 17.930       | 17.901 | /     |
| Middle                            | 100              | 0      | 19.41          | 19.28 | /     | 17.895       | 17.959 | /     |
| Highest                           | 100              | 0      | 19.50          | 19.53 | /     | 17.933       | 17.949 | /     |



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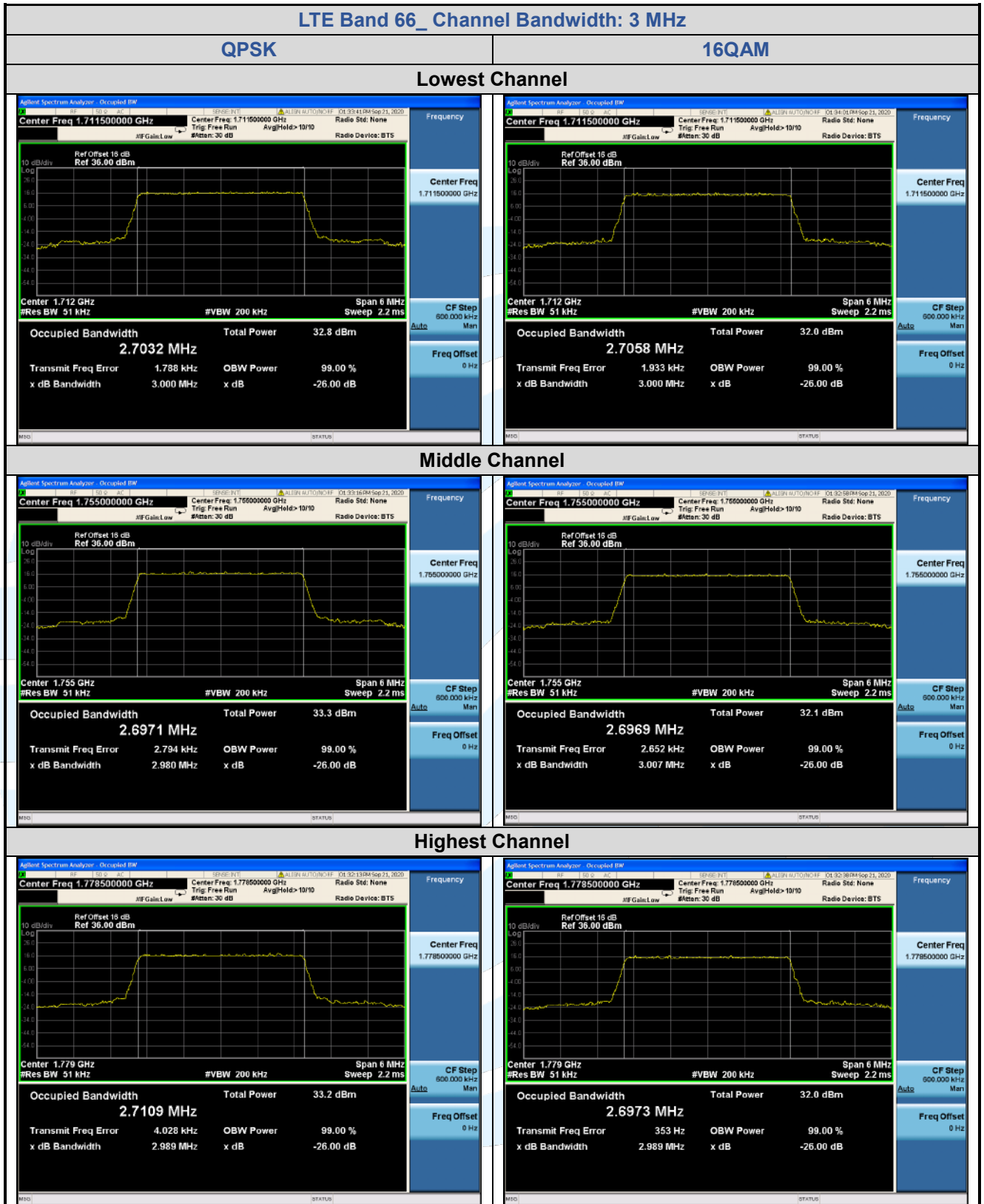
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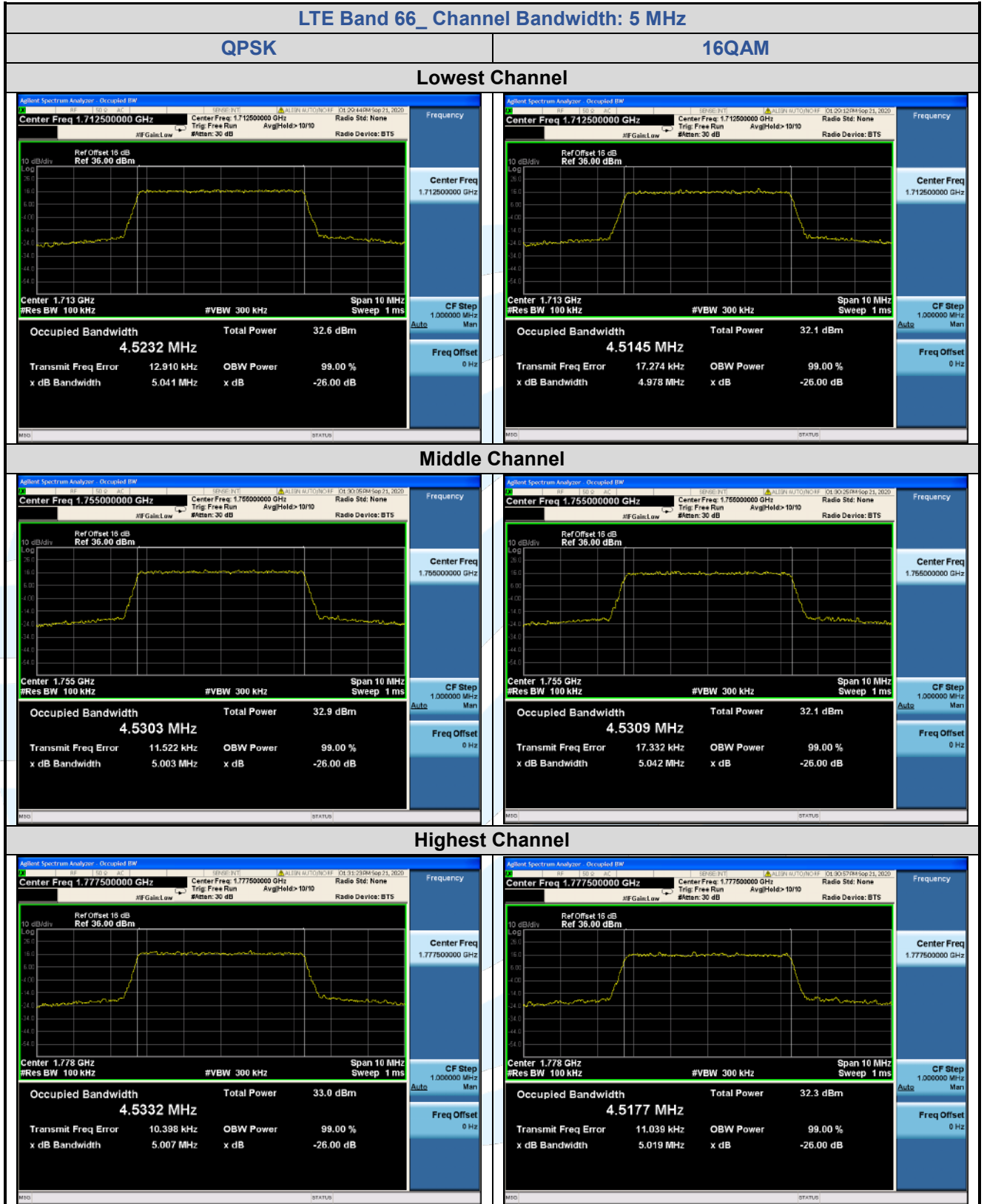
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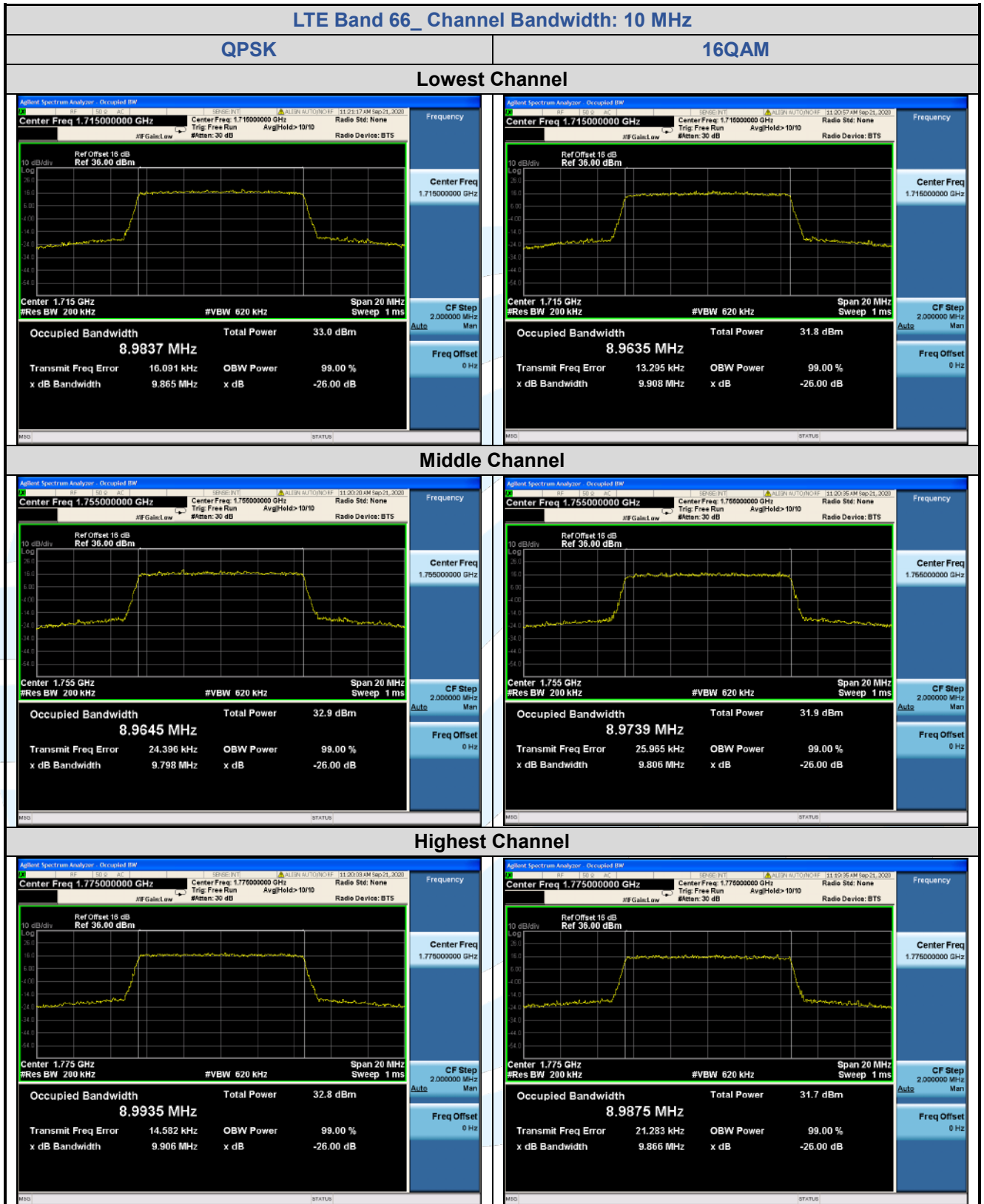
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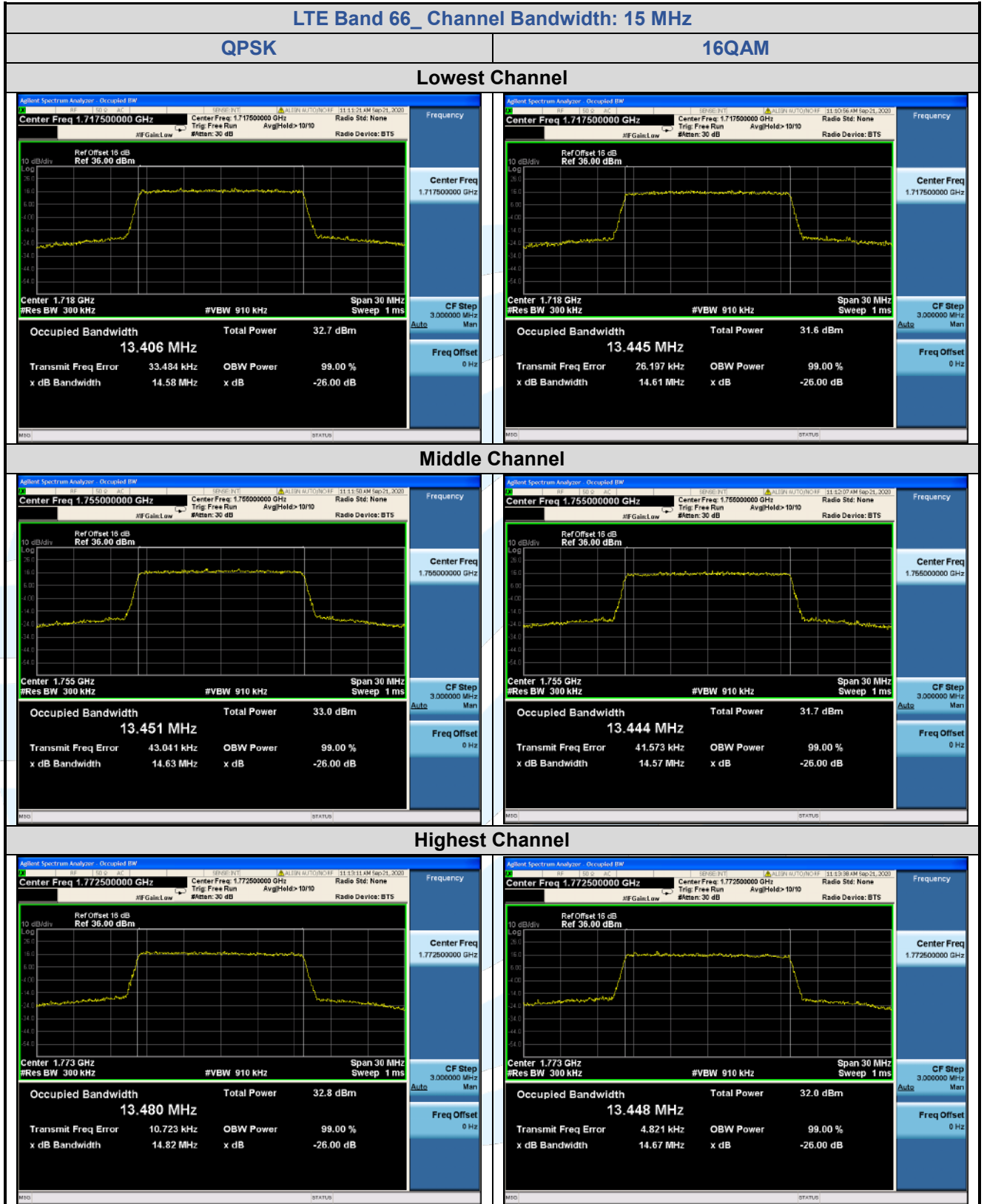
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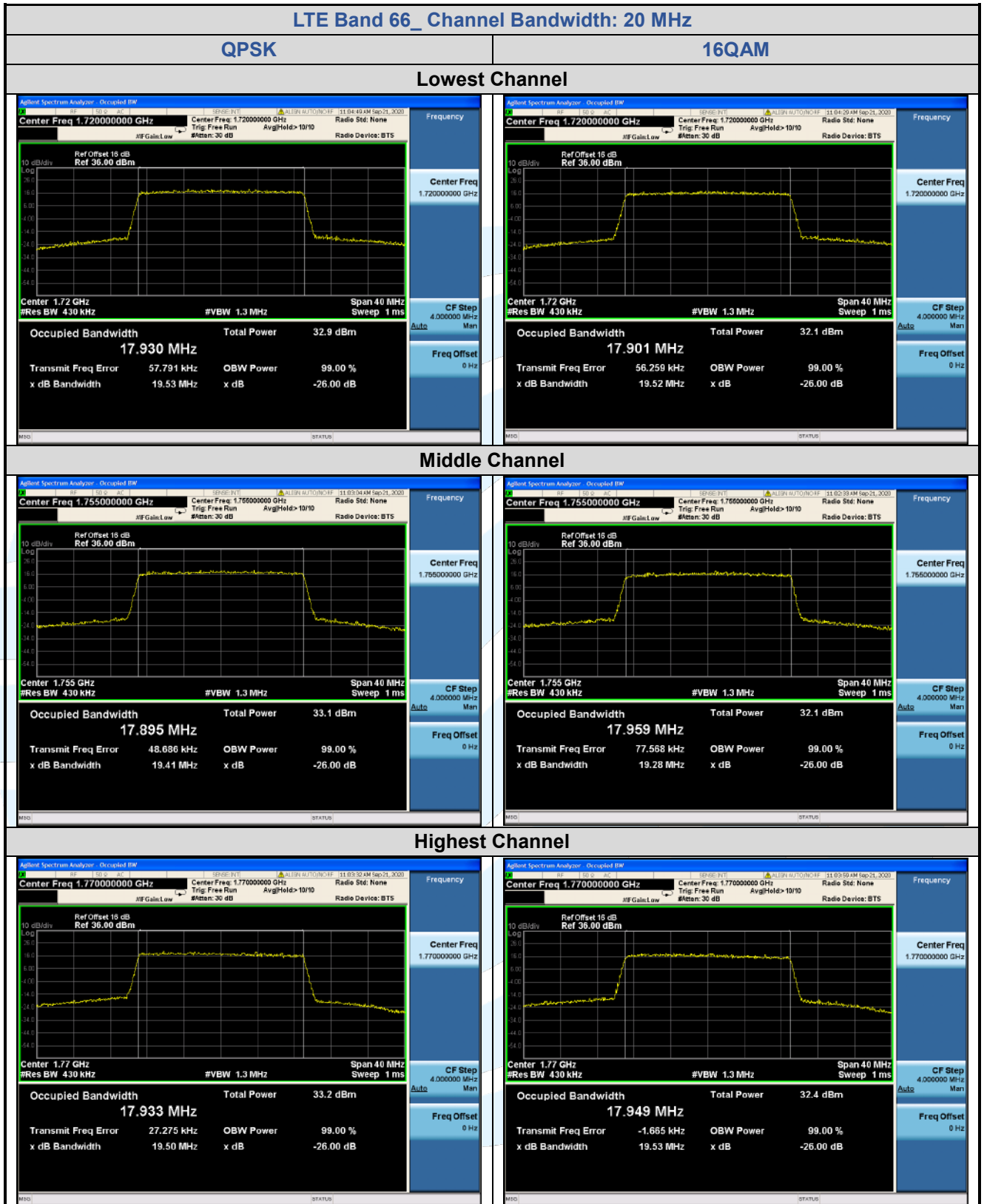
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**5.5.10 LTE Band 71**

| LTE Band 71                      |                  |        |                |       |       |              |        |       |
|----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel                          | RB Configuration |        | 26 dB BW (MHz) |       |       | 99% BW (MHz) |        |       |
|                                  | Size             | Offset | QPSK           | 16QAM | 64QAM | QPSK         | 16QAM  | 64QAM |
| <b>Channel Bandwidth: 5 MHz</b>  |                  |        |                |       |       |              |        |       |
| Lowest                           | 25               | 0      | 4.995          | 5.040 | /     | 4.5113       | 4.5270 | /     |
| Middle                           | 25               | 0      | 5.033          | 5.032 | /     | 4.5339       | 4.5202 | /     |
| Highest                          | 25               | 0      | 5.026          | 5.045 | /     | 4.5131       | 4.5247 | /     |
| <b>Channel Bandwidth: 10 MHz</b> |                  |        |                |       |       |              |        |       |
| Lowest                           | 50               | 0      | 9.890          | 9.760 | /     | 8.9431       | 8.9431 | /     |
| Middle                           | 50               | 0      | 9.889          | 9.857 | /     | 8.9646       | 8.9599 | /     |
| Highest                          | 50               | 0      | 9.833          | 9.820 | /     | 8.9898       | 8.9849 | /     |
| <b>Channel Bandwidth: 15 MHz</b> |                  |        |                |       |       |              |        |       |
| Lowest                           | 75               | 0      | 14.77          | 14.54 | /     | 13.409       | 13.422 | /     |
| Middle                           | 75               | 0      | 14.74          | 14.65 | /     | 13.385       | 13.425 | /     |
| Highest                          | 75               | 0      | 14.70          | 14.66 | /     | 13.451       | 13.457 | /     |
| <b>Channel Bandwidth: 20 MHz</b> |                  |        |                |       |       |              |        |       |
| Lowest                           | 100              | 0      | 19.57          | 19.20 | /     | 17.886       | 17.886 | /     |
| Middle                           | 100              | 0      | 19.42          | 19.39 | /     | 17.867       | 17.916 | /     |
| Highest                          | 100              | 0      | 19.47          | 19.40 | /     | 17.886       | 17.878 | /     |