

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6, Baoneng Science and Technology Park, Qingxiang Road No.1, Longhua New District, Shenzhen, China

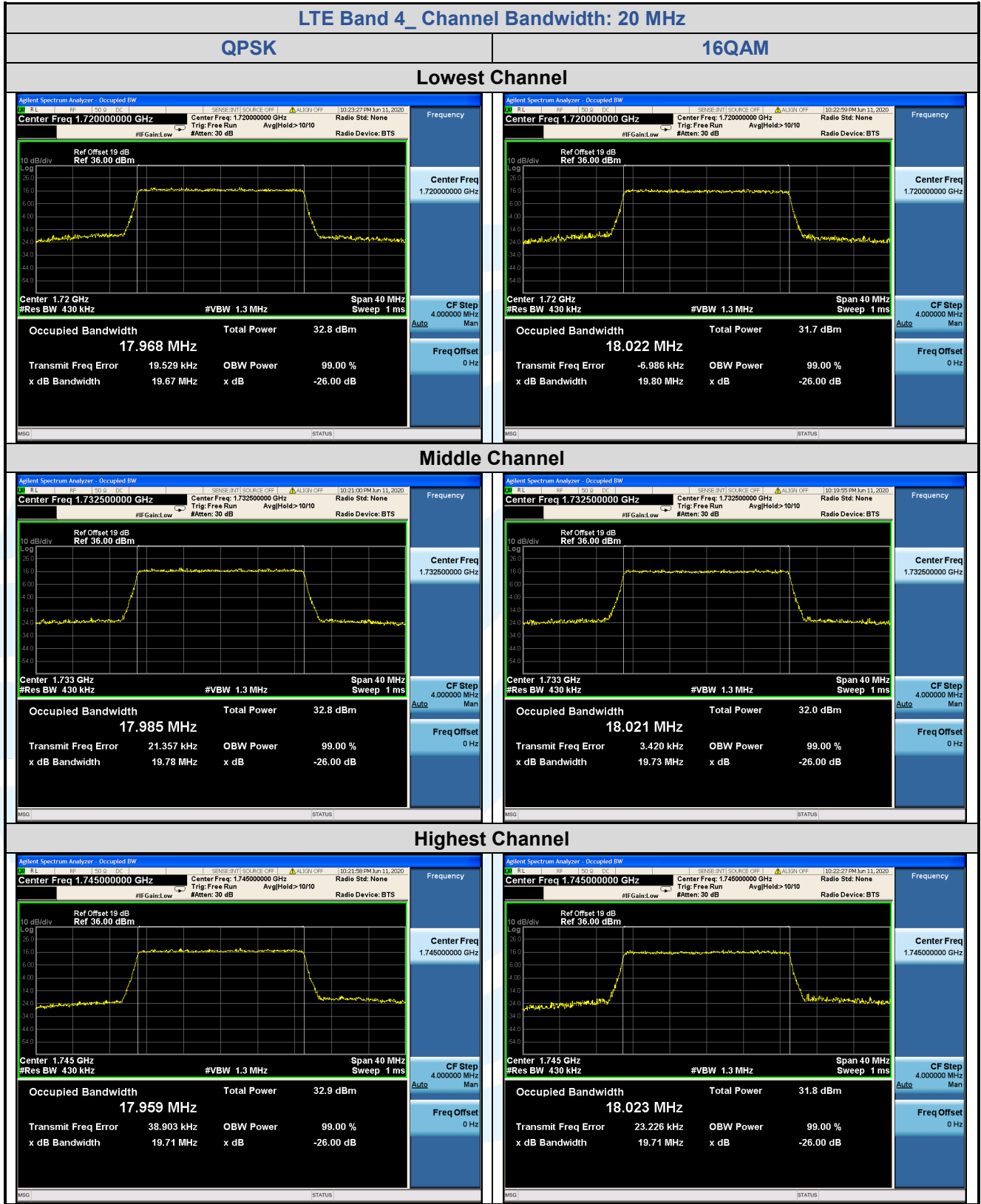
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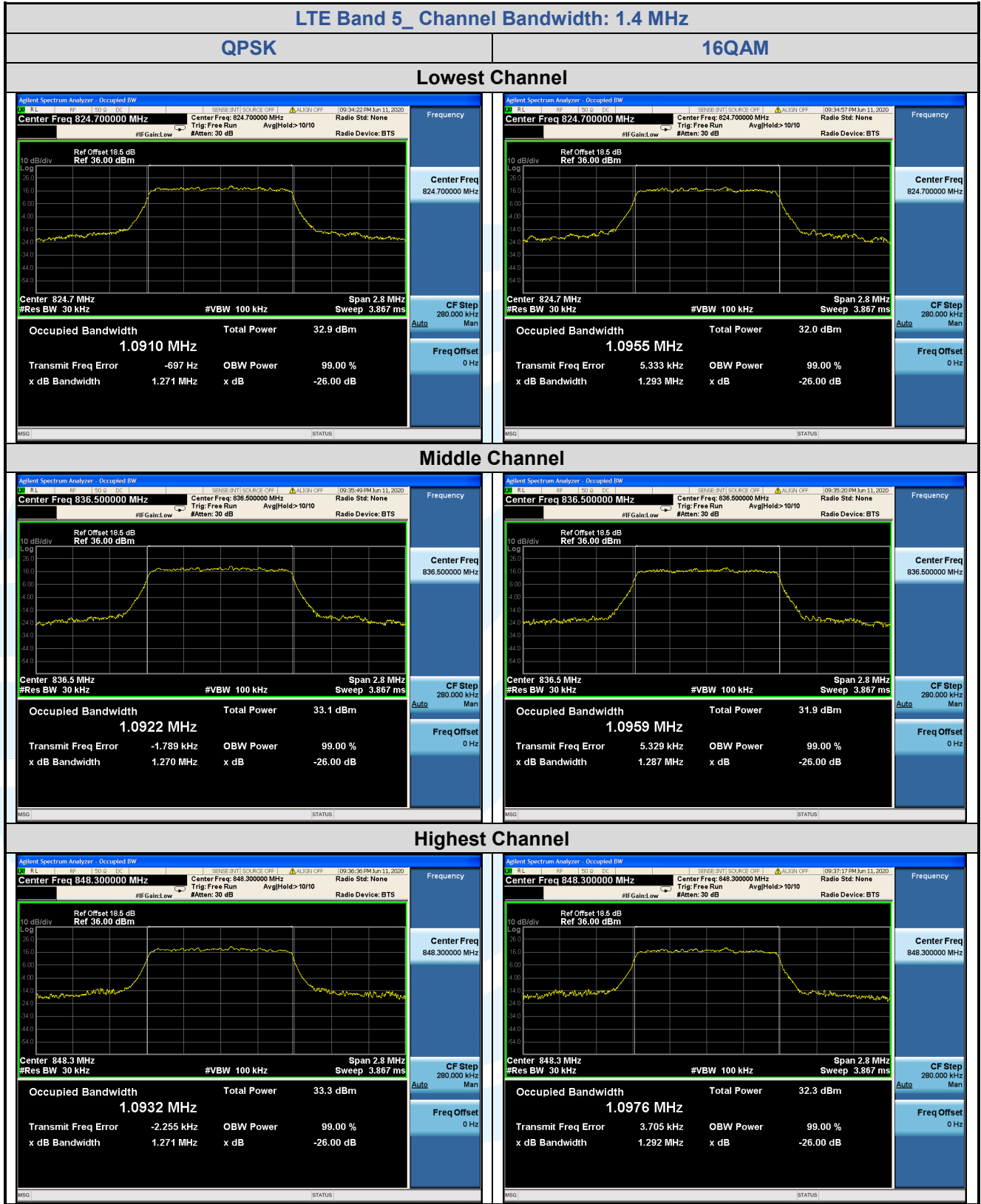
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5.5.3 LTE Band 5

| LTE Band 5 | | | | | | | | |
|-----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel | RB Configuration | | 26 dB BW (MHz) | | | 99% BW (MHz) | | |
| | Size | Offset | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Channel Bandwidth: 1.4 MHz | | | | | | | | |
| Lowest | 6 | 0 | 1.271 | 1.293 | / | 1.0910 | 1.0955 | / |
| Middle | 6 | 0 | 1.270 | 1.287 | / | 1.0922 | 1.0959 | / |
| Highest | 6 | 0 | 1.271 | 1.292 | / | 1.0932 | 1.0976 | / |
| Channel Bandwidth: 3 MHz | | | | | | | | |
| Lowest | 15 | 0 | 2.881 | 2.886 | / | 2.6773 | 2.6804 | / |
| Middle | 15 | 0 | 2.879 | 2.901 | / | 2.6772 | 2.6760 | / |
| Highest | 15 | 0 | 2.882 | 2.896 | / | 2.6753 | 2.6790 | / |
| Channel Bandwidth: 5 MHz | | | | | | | | |
| Lowest | 25 | 0 | 5.214 | 5.181 | / | 4.5139 | 4.5064 | / |
| Middle | 25 | 0 | 5.178 | 5.149 | / | 4.5070 | 4.5033 | / |
| Highest | 25 | 0 | 5.149 | 5.172 | / | 4.5014 | 4.5019 | / |
| Channel Bandwidth: 10 MHz | | | | | | | | |
| Lowest | 50 | 0 | 10.09 | 9.963 | / | 9.0312 | 8.9810 | / |
| Middle | 50 | 0 | 11.52 | 9.966 | / | 9.0357 | 8.9712 | / |
| Highest | 50 | 0 | 10.08 | 9.924 | / | 9.0286 | 8.9763 | / |



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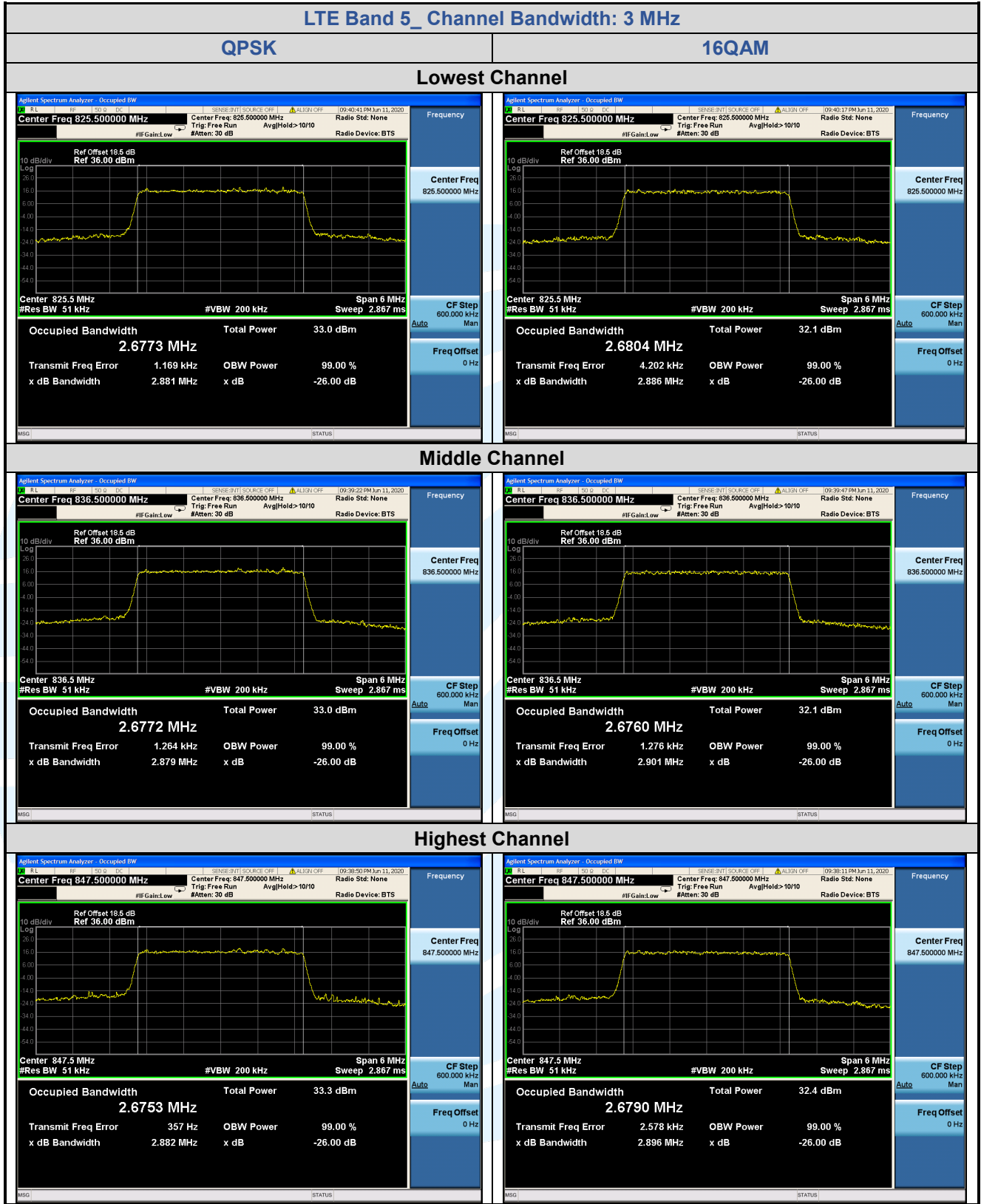
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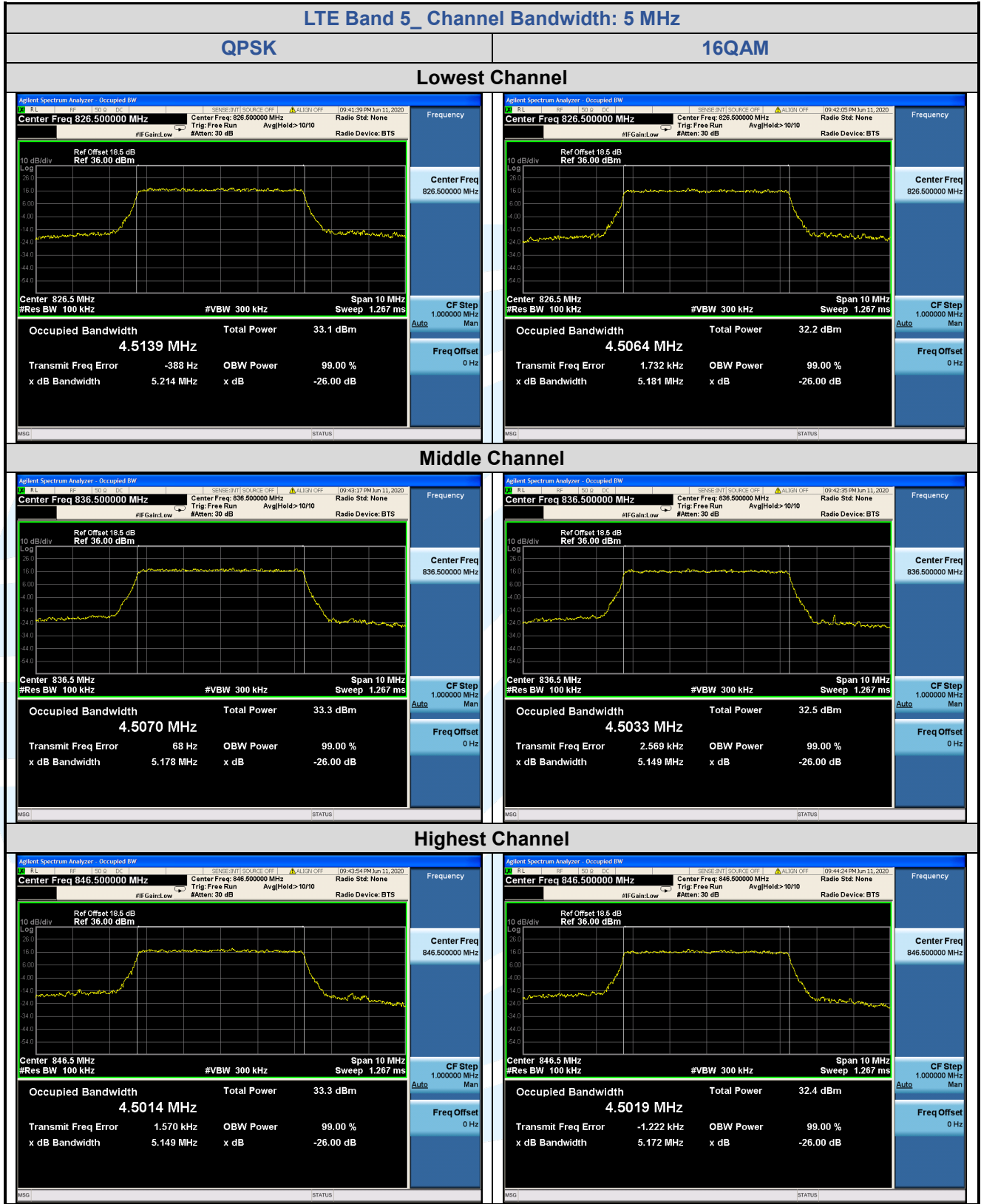
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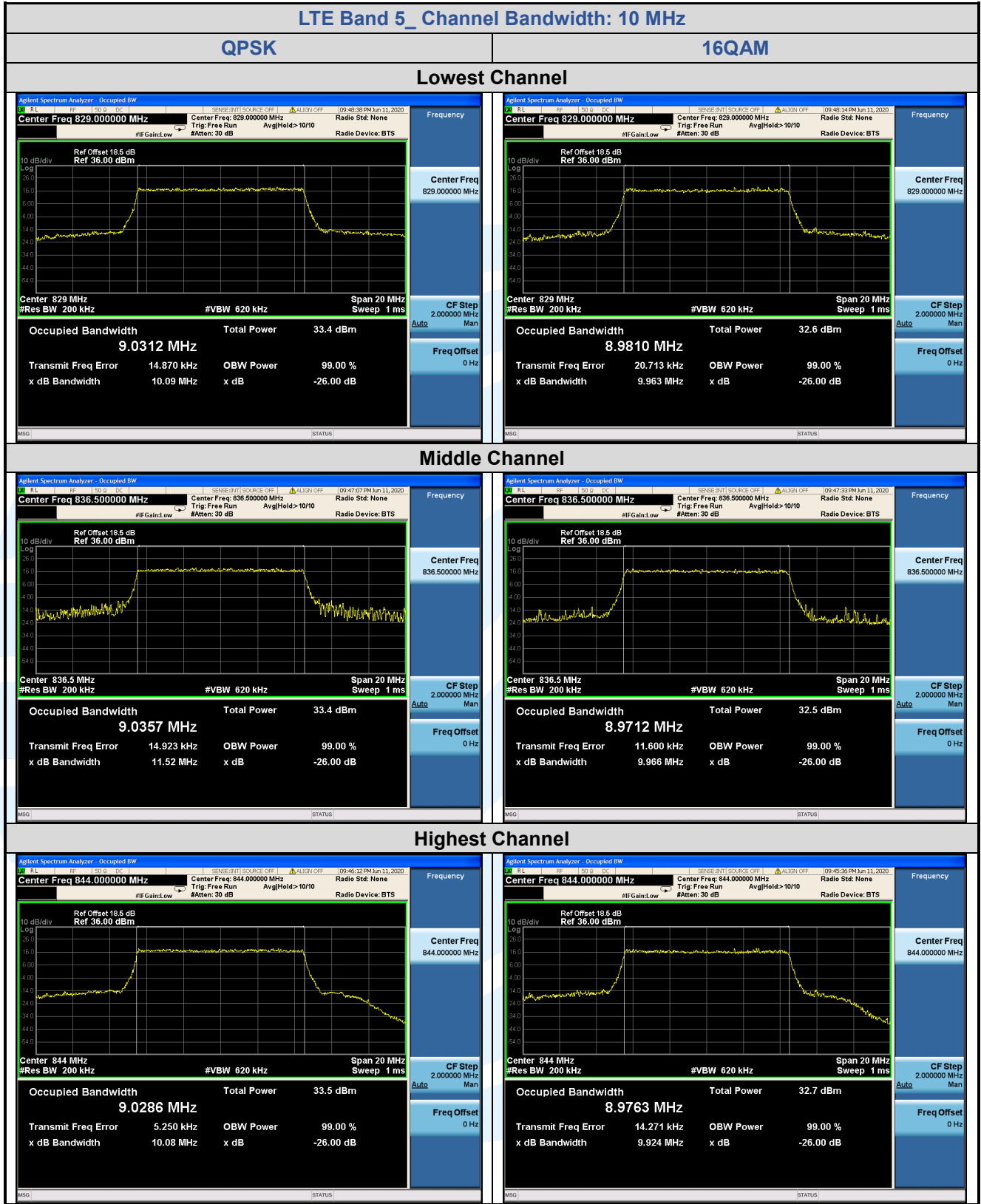
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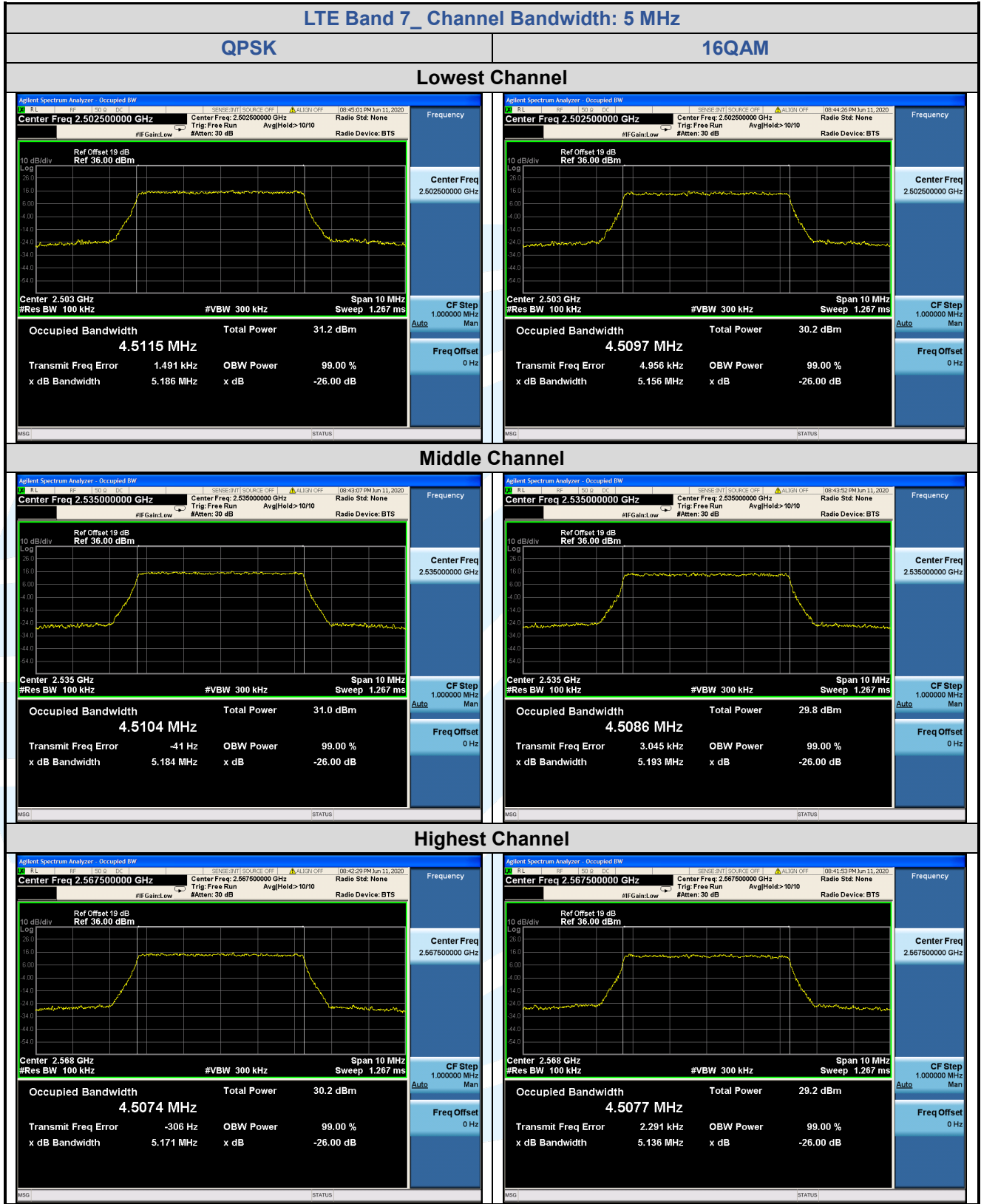
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5.5.4 LTE Band 7

| LTE Band 7 | | | | | | | | |
|----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel | RB Configuration | | 26 dB BW (MHz) | | | 99% BW (MHz) | | |
| | Size | Offset | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Channel Bandwidth: 5 MHz | | | | | | | | |
| Lowest | 25 | 0 | 5.186 | 5.156 | / | 4.5115 | 4.5097 | / |
| Middle | 25 | 0 | 5.184 | 5.193 | / | 4.5104 | 4.5086 | / |
| Highest | 25 | 0 | 5.171 | 5.136 | / | 4.5074 | 4.5077 | / |
| Channel Bandwidth: 10 MHz | | | | | | | | |
| Lowest | 50 | 0 | 10.02 | 9.952 | / | 8.9918 | 8.9842 | / |
| Middle | 50 | 0 | 10.10 | 10.06 | / | 9.0285 | 8.9708 | / |
| Highest | 50 | 0 | 10.05 | 9.902 | / | 9.0090 | 8.9628 | / |
| Channel Bandwidth: 15 MHz | | | | | | | | |
| Lowest | 75 | 0 | 14.95 | 15.00 | / | 13.510 | 13.497 | / |
| Middle | 75 | 0 | 14.99 | 15.00 | / | 13.499 | 13.494 | / |
| Highest | 75 | 0 | 14.98 | 15.06 | / | 13.479 | 13.469 | / |
| Channel Bandwidth: 20 MHz | | | | | | | | |
| Lowest | 100 | 0 | 19.73 | 19.68 | / | 17.973 | 17.967 | / |
| Middle | 100 | 0 | 19.71 | 19.67 | / | 17.997 | 18.005 | / |
| Highest | 100 | 0 | 19.66 | 19.69 | / | 17.945 | 17.978 | / |



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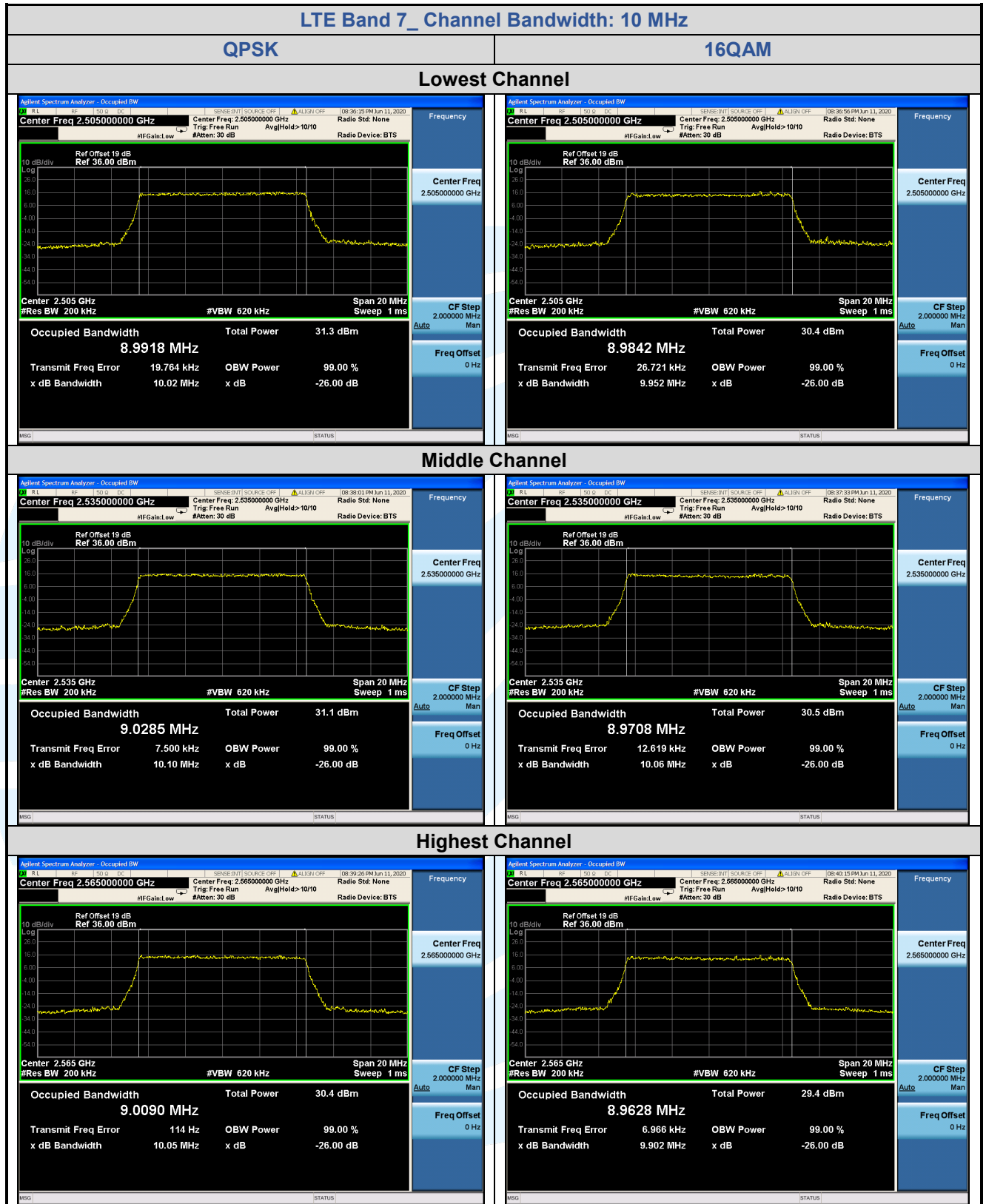
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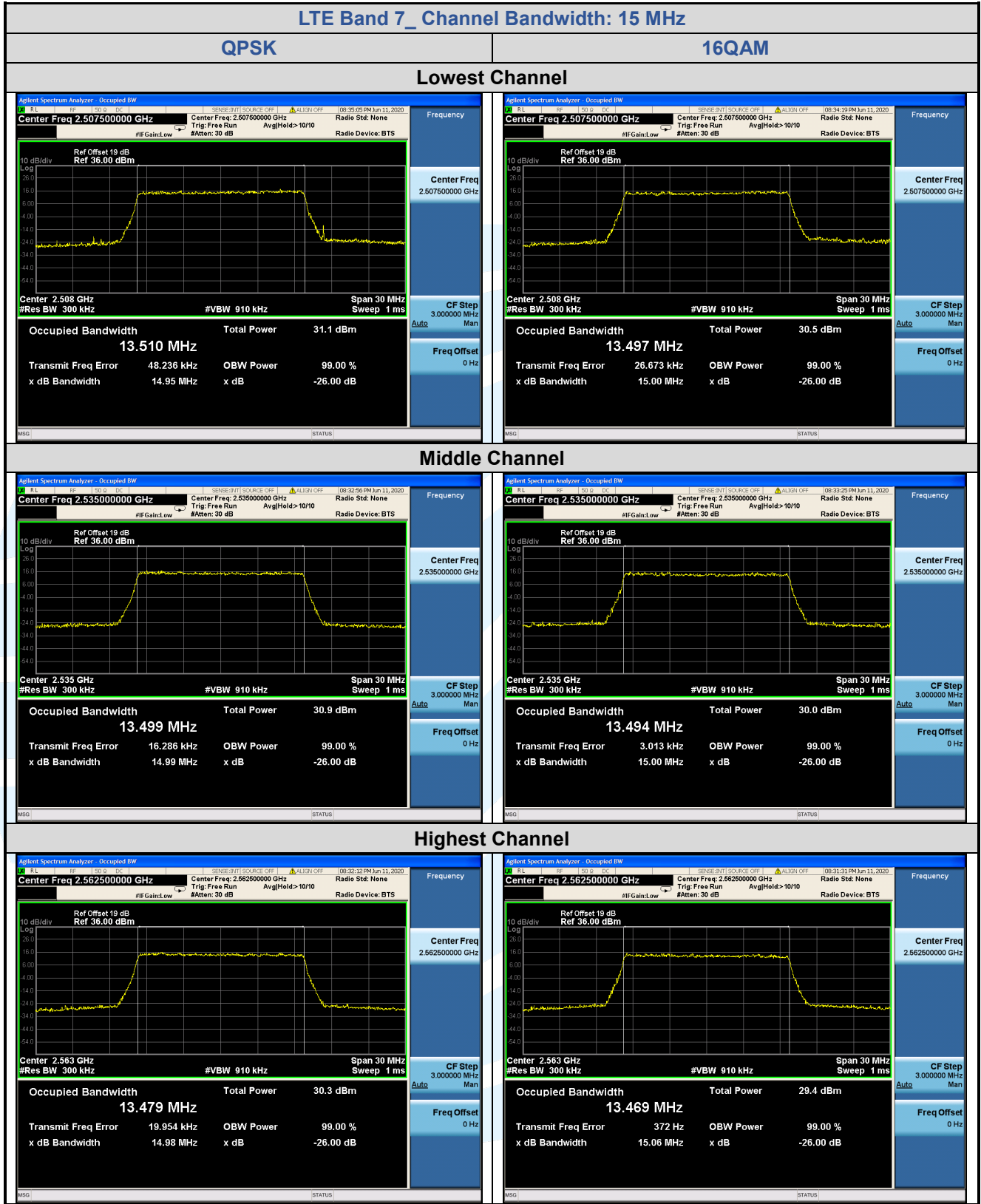
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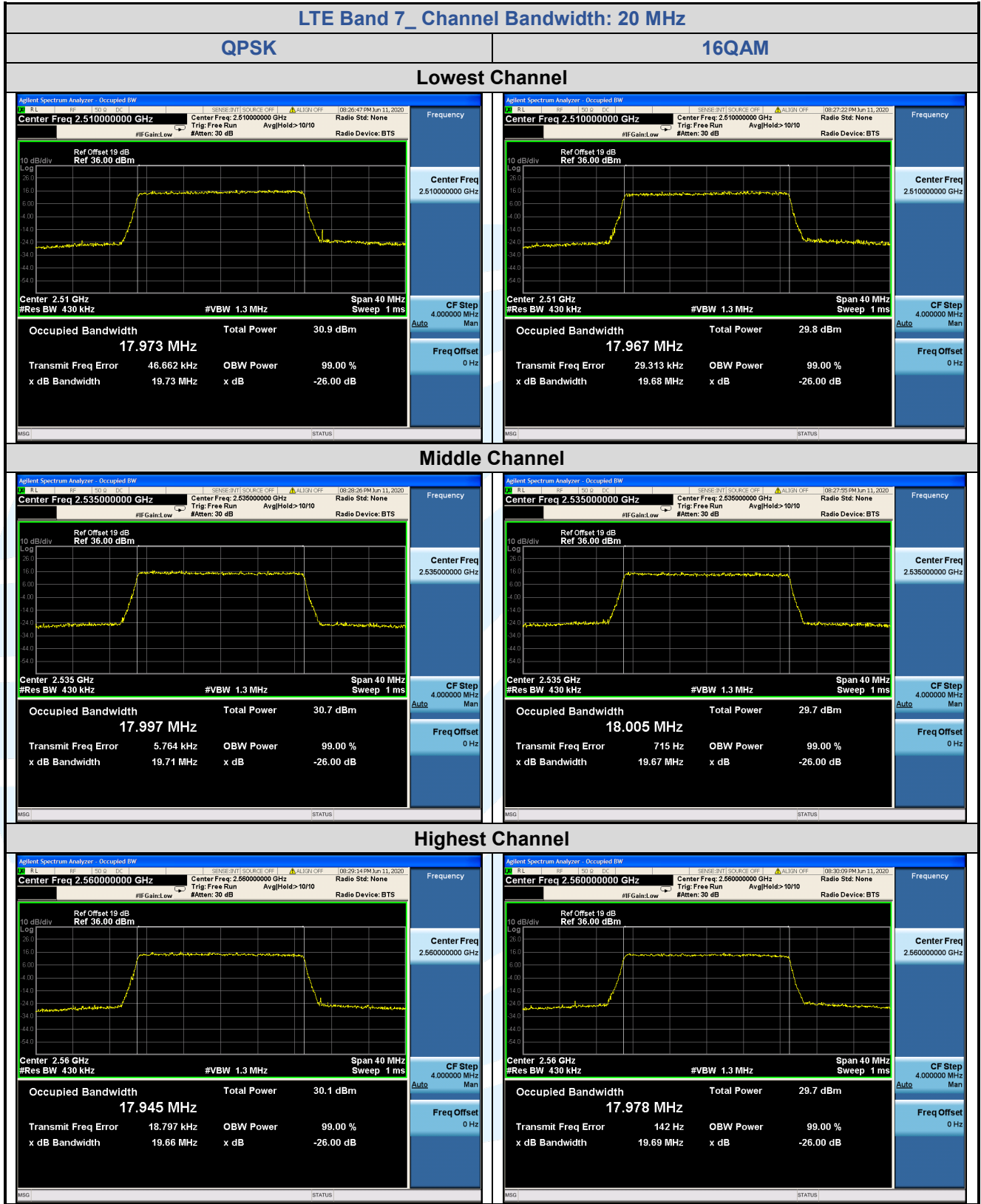
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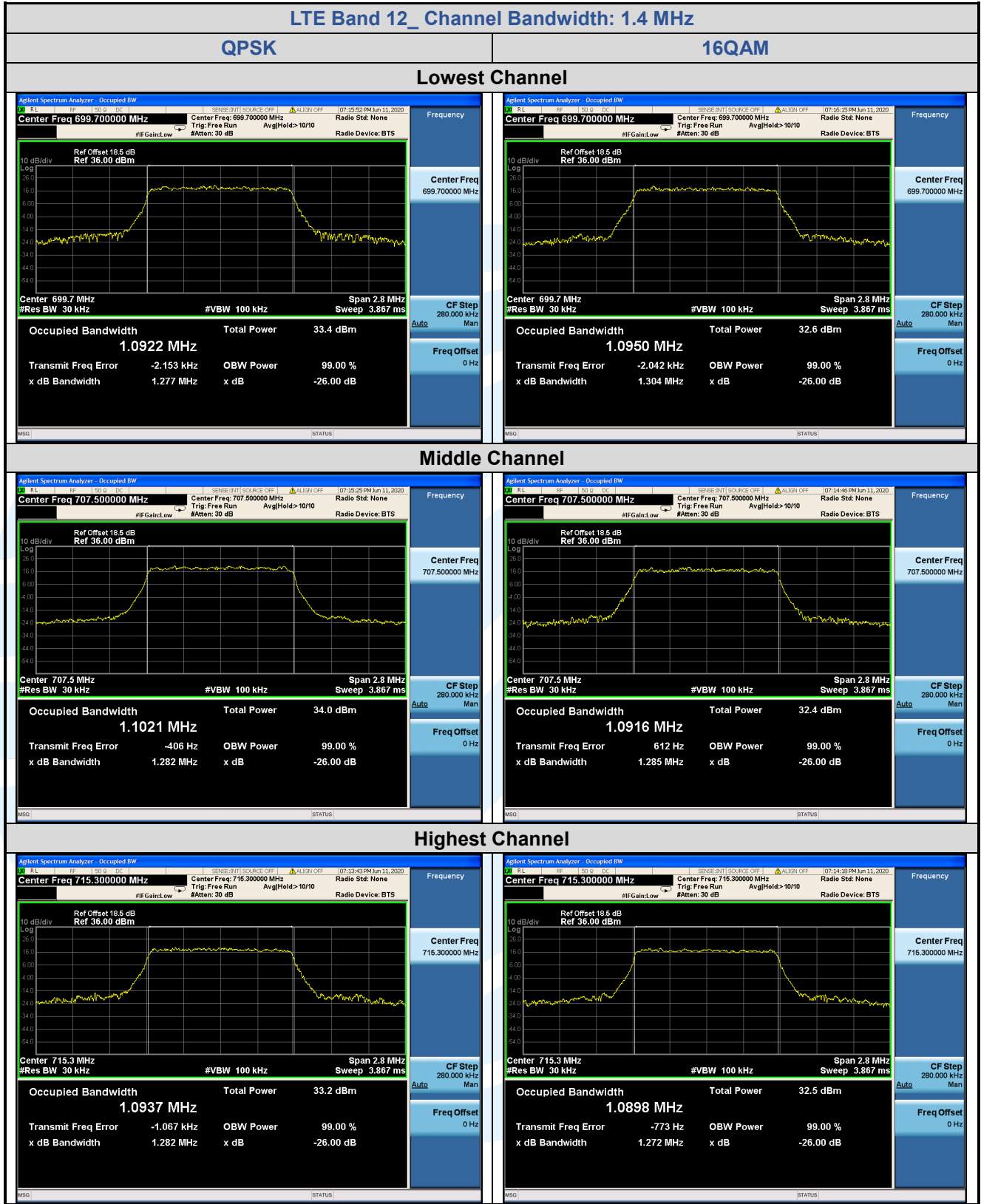
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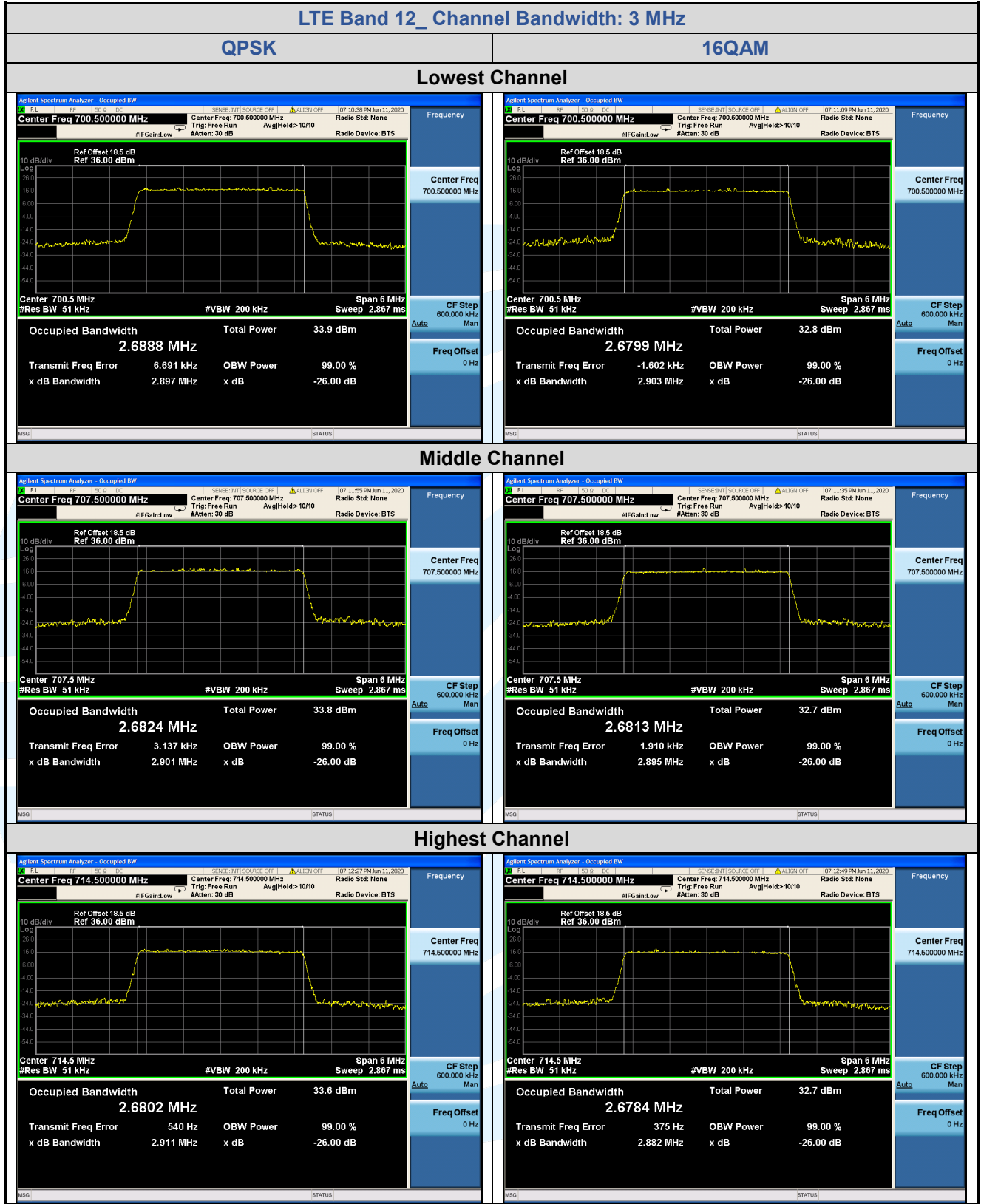
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5.5.5 LTE Band 12

| LTE Band 12 | | | | | | | | |
|-----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| 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 | 1.277 | 1.304 | / | 1.0922 | 1.0950 | / |
| Middle | 6 | 0 | 1.282 | 1.285 | / | 1.1021 | 1.0916 | / |
| Highest | 6 | 0 | 1.282 | 1.272 | / | 1.0937 | 1.0898 | / |
| Channel Bandwidth: 3 MHz | | | | | | | | |
| Lowest | 15 | 0 | 2.897 | 2.903 | / | 2.6888 | 2.6799 | / |
| Middle | 15 | 0 | 2.901 | 2.895 | / | 2.6824 | 2.6813 | / |
| Highest | 15 | 0 | 2.911 | 2.882 | / | 2.6802 | 2.6784 | / |
| Channel Bandwidth: 5 MHz | | | | | | | | |
| Lowest | 25 | 0 | 5.156 | 5.115 | / | 4.5259 | 4.5108 | / |
| Middle | 25 | 0 | 5.143 | 5.224 | / | 4.5114 | 4.5346 | / |
| Highest | 25 | 0 | 5.138 | 5.128 | / | 4.5149 | 4.5275 | / |
| Channel Bandwidth: 10 MHz | | | | | | | | |
| Lowest | 50 | 0 | 10.09 | 10.19 | / | 9.0207 | 9.0083 | / |
| Middle | 50 | 0 | 10.09 | 9.895 | / | 8.9853 | 9.0083 | / |
| Highest | 50 | 0 | 10.12 | 9.987 | / | 9.0076 | 8.9697 | / |





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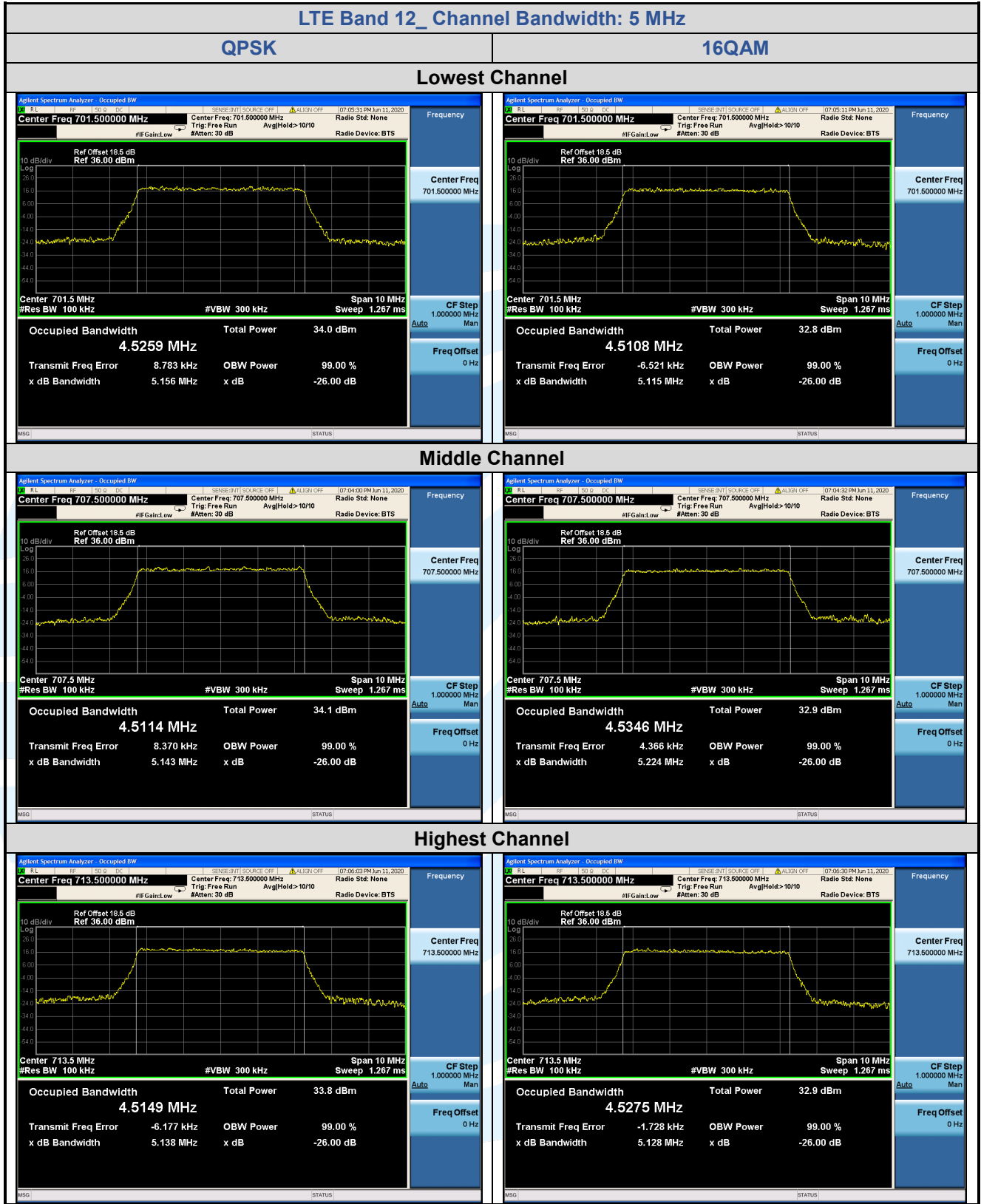
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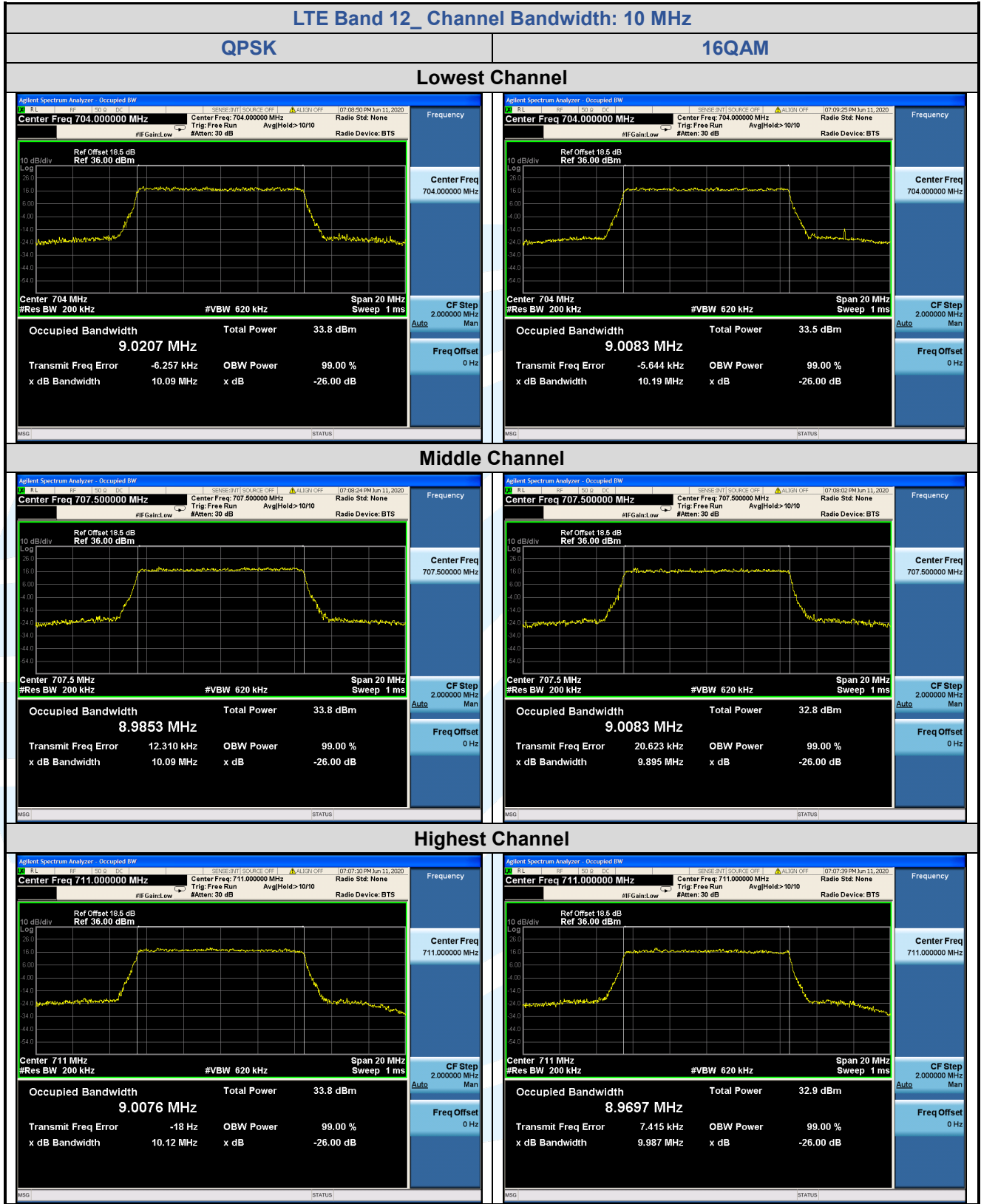
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5.5.6 LTE Band 17

| LTE Band 17 | | | | | | | | |
|----------------------------------|------------------|--------|----------------|-------|-------|--------------|--------|-------|
| Channel | RB Configuration | | 26 dB BW (MHz) | | | 99% BW (MHz) | | |
| | Size | Offset | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| Channel Bandwidth: 5 MHz | | | | | | | | |
| Lowest | 25 | 0 | 5.170 | 5.154 | / | 4.5335 | 4.5200 | / |
| Middle | 25 | 0 | 5.145 | 5.170 | / | 4.5053 | 4.5346 | / |
| Highest | 25 | 0 | 5.138 | 5.125 | / | 4.5134 | 4.5246 | / |
| Channel Bandwidth: 10 MHz | | | | | | | | |
| Lowest | 50 | 0 | 9.931 | 10.10 | / | 8.9778 | 8.9901 | / |
| Middle | 50 | 0 | 10.18 | 10.04 | / | 8.9945 | 8.9860 | / |
| Highest | 50 | 0 | 10.07 | 10.06 | / | 8.9835 | 8.9824 | / |

