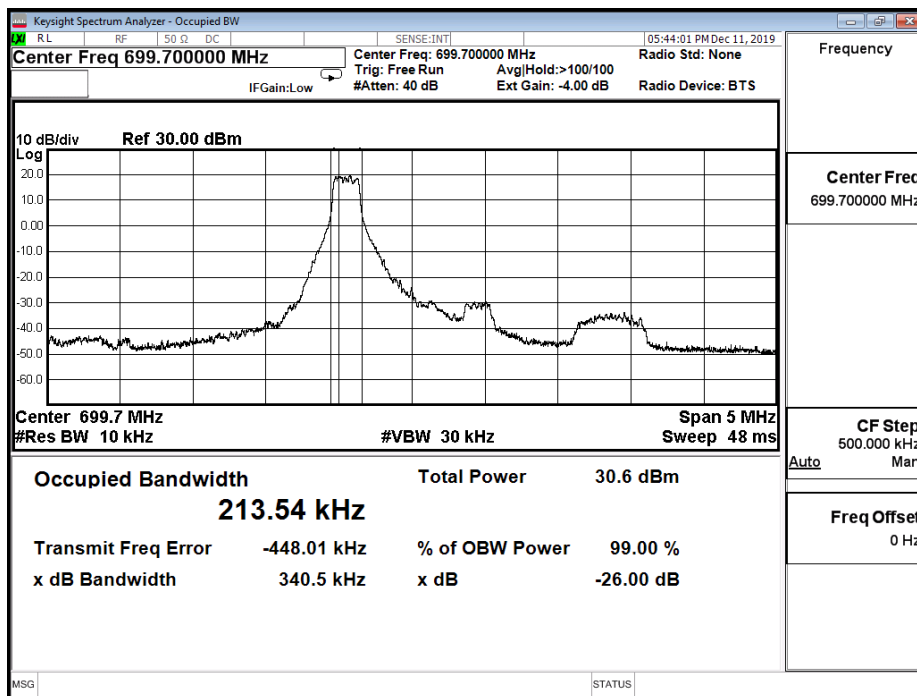


|                  |                     |                |        |
|------------------|---------------------|----------------|--------|
| Product          | Module              |                |        |
| Test Item        | Occupied Bandwidth  |                |        |
| Test Mode        | Mode 4: LTE Band 12 |                |        |
| Date of Test     | 2019/12/11          | Test Site      | SR12-H |
| Temperature (°C) | 24.0°C              | Humidity (%RH) | 59%RH  |

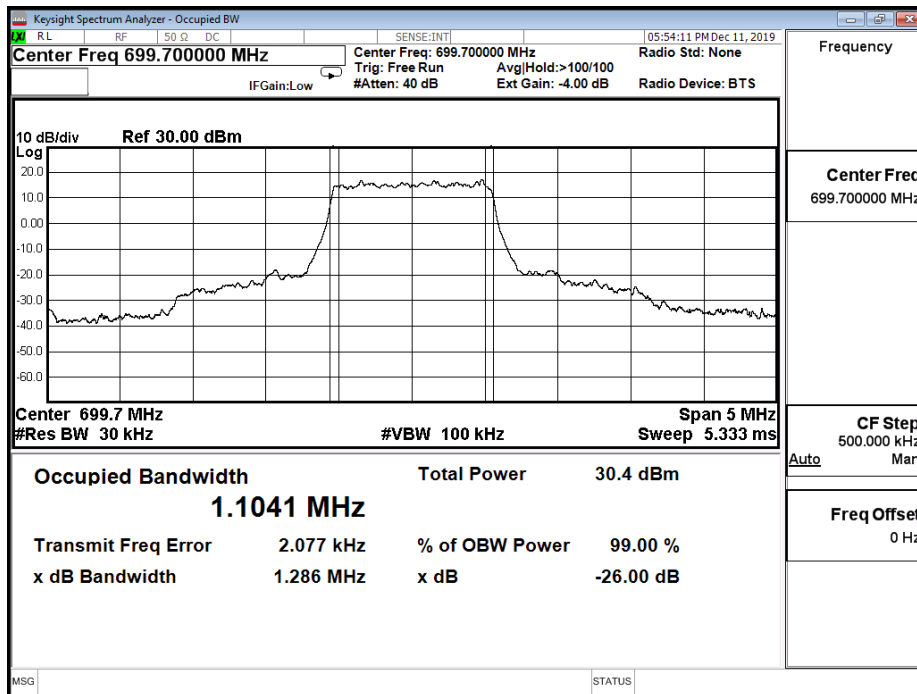
| LTE Band 12_1RB Low/high |            |                 |                     |        |             |
|--------------------------|------------|-----------------|---------------------|--------|-------------|
| Band width (MHz)         | Modulation | Frequency (MHz) | Measure Level (MHz) |        | Limit (MHz) |
|                          |            |                 | 26dB BW             | 99% BW |             |
| 1.4M                     | QPSK       | 699.7           | 0.340               | 0.213  | N/A         |
|                          |            | 707.5           | 0.332               | 0.211  | N/A         |
|                          |            | 715.3           | 0.344               | 0.215  | N/A         |
|                          | 16-QAM     | 699.7           | 0.351               | 0.219  | N/A         |
|                          |            | 707.5           | 0.357               | 0.226  | N/A         |
|                          |            | 715.3           | 0.337               | 0.215  | N/A         |
| 3M                       | QPSK       | 700.5           | 0.328               | 0.213  | N/A         |
|                          |            | 707.5           | 0.322               | 0.211  | N/A         |
|                          |            | 714.5           | 0.330               | 0.210  | N/A         |
|                          | 16-QAM     | 700.5           | 0.313               | 0.211  | N/A         |
|                          |            | 707.5           | 0.320               | 0.213  | N/A         |
|                          |            | 714.5           | 0.359               | 0.223  | N/A         |
| 5M                       | QPSK       | 710.5           | 0.383               | 0.228  | N/A         |
|                          |            | 707.5           | 0.400               | 0.236  | N/A         |
|                          |            | 713.5           | 0.367               | 0.228  | N/A         |
|                          | 16-QAM     | 710.5           | 0.386               | 0.234  | N/A         |
|                          |            | 707.5           | 0.401               | 0.226  | N/A         |
|                          |            | 713.5           | 0.374               | 0.229  | N/A         |
| 10M                      | QPSK       | 704.0           | 0.378               | 0.244  | N/A         |
|                          |            | 707.5           | 0.392               | 0.242  | N/A         |
|                          |            | 711.0           | 0.385               | 0.246  | N/A         |
|                          | 16-QAM     | 704.0           | 0.394               | 0.242  | N/A         |
|                          |            | 707.5           | 0.364               | 0.232  | N/A         |
|                          |            | 711.0           | 0.391               | 0.242  | N/A         |

| LTE Band 12_Full RB |            |                 |                     |        |             |
|---------------------|------------|-----------------|---------------------|--------|-------------|
| Band width (MHz)    | Modulation | Frequency (MHz) | Measure Level (MHz) |        | Limit (MHz) |
|                     |            |                 | 26dB BW             | 99% BW |             |
| 1.4M                | QPSK       | 699.7           | 1.286               | 1.104  | N/A         |
|                     |            | 707.5           | 1.310               | 1.095  | N/A         |
|                     |            | 715.3           | 1.296               | 1.096  | N/A         |
|                     | 16-QAM     | 699.7           | 1.297               | 1.097  | N/A         |
|                     |            | 707.5           | 1.289               | 1.090  | N/A         |
|                     |            | 715.3           | 1.308               | 1.100  | N/A         |
| 3M                  | QPSK       | 700.5           | 2.923               | 2.687  | N/A         |
|                     |            | 707.5           | 2.930               | 2.682  | N/A         |
|                     |            | 714.5           | 2.920               | 2.684  | N/A         |
|                     | 16-QAM     | 700.5           | 2.948               | 2.685  | N/A         |
|                     |            | 707.5           | 2.925               | 2.680  | N/A         |
|                     |            | 714.5           | 2.935               | 2.678  | N/A         |
| 5M                  | QPSK       | 710.5           | 4.911               | 4.479  | N/A         |
|                     |            | 707.5           | 4.912               | 4.467  | N/A         |
|                     |            | 713.5           | 4.865               | 4.463  | N/A         |
|                     | 16-QAM     | 710.5           | 4.891               | 4.464  | N/A         |
|                     |            | 707.5           | 4.921               | 4.476  | N/A         |
|                     |            | 713.5           | 4.891               | 4.468  | N/A         |
| 10M                 | QPSK       | 704.0           | 9.551               | 8.852  | N/A         |
|                     |            | 707.5           | 9.593               | 8.921  | N/A         |
|                     |            | 711.0           | 9.758               | 8.943  | N/A         |
|                     | 16-QAM     | 704.0           | 9.494               | 8.843  | N/A         |
|                     |            | 707.5           | 9.695               | 8.925  | N/A         |
|                     |            | 711.0           | 9.789               | 8.959  | N/A         |

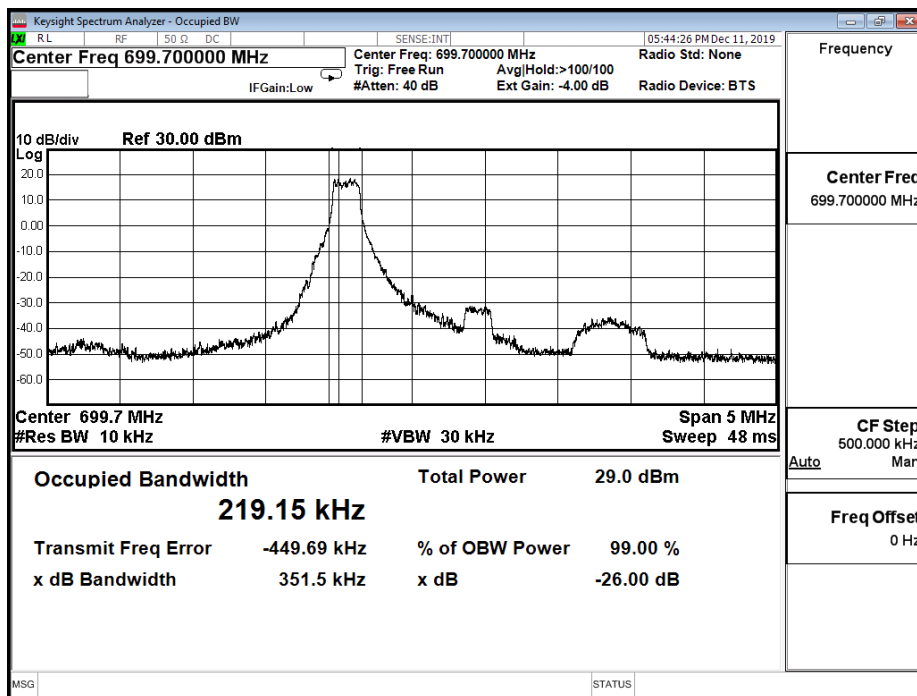
### B12\_CH23017\_1.4M\_QPSK\_1RB0



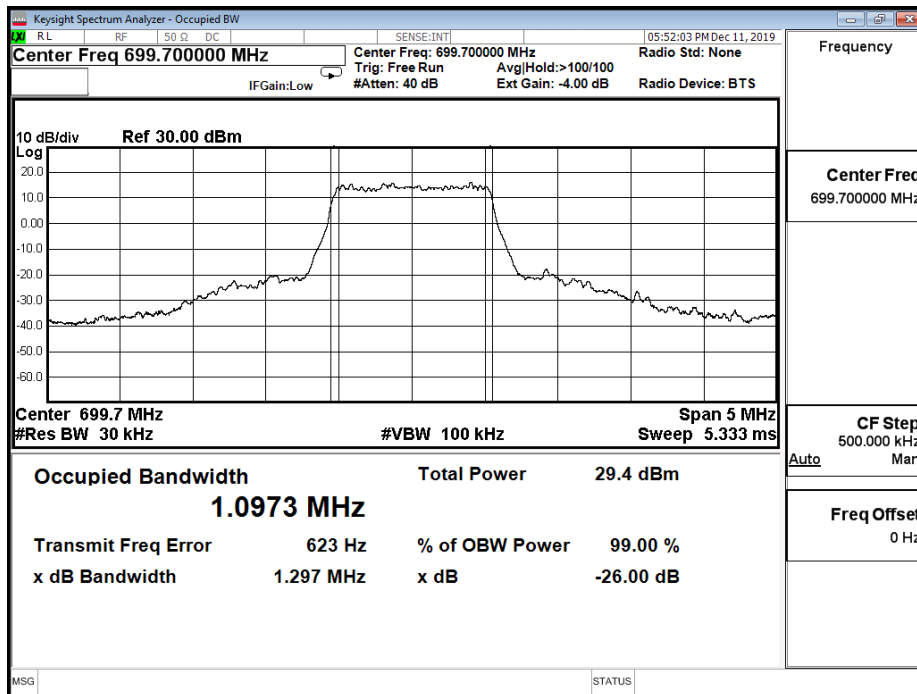
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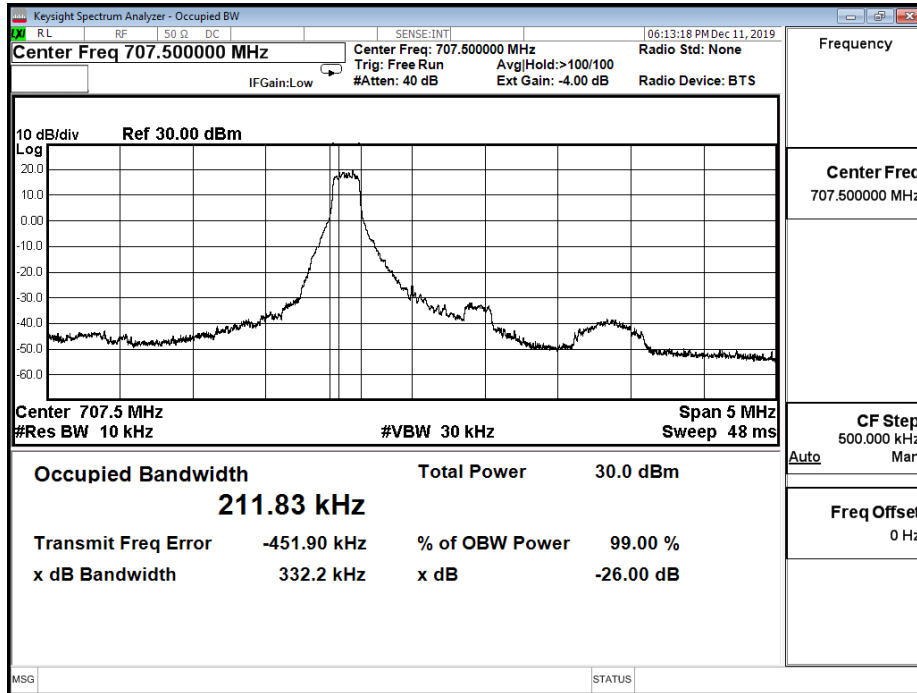
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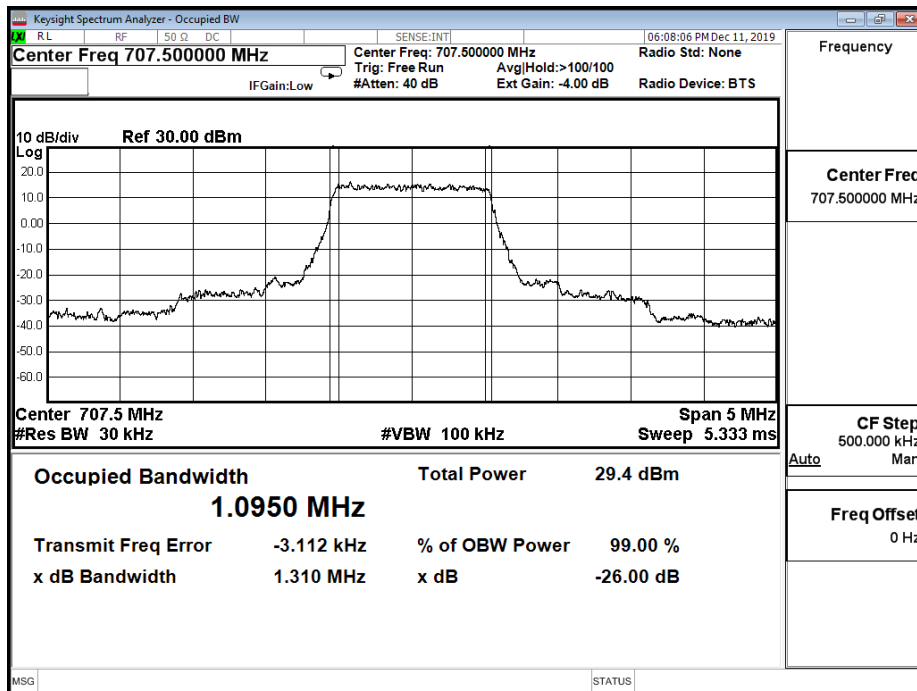
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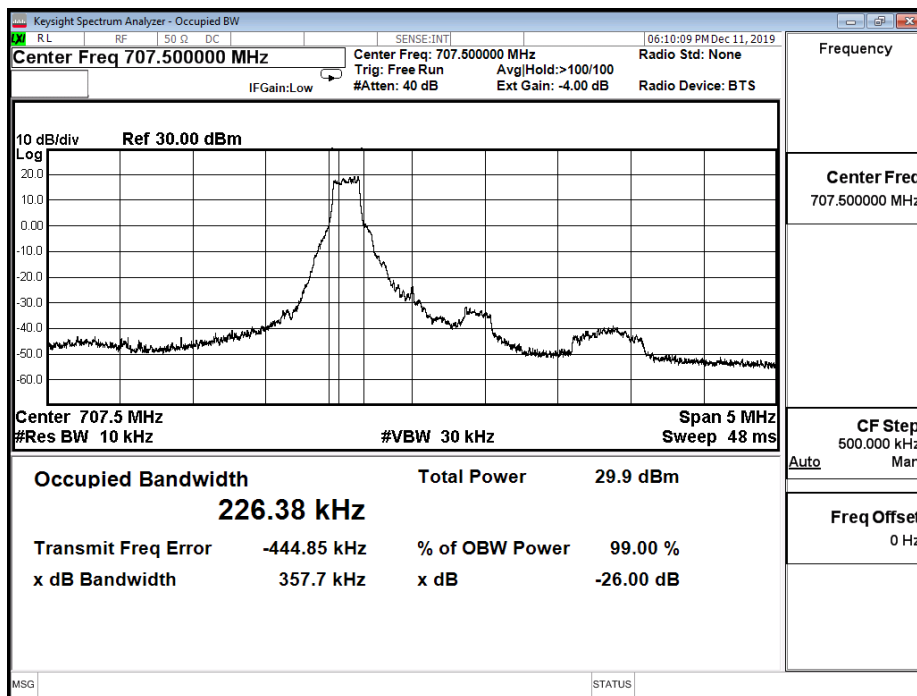
B12\_CH23097\_1.4M\_QPSK\_1RB0



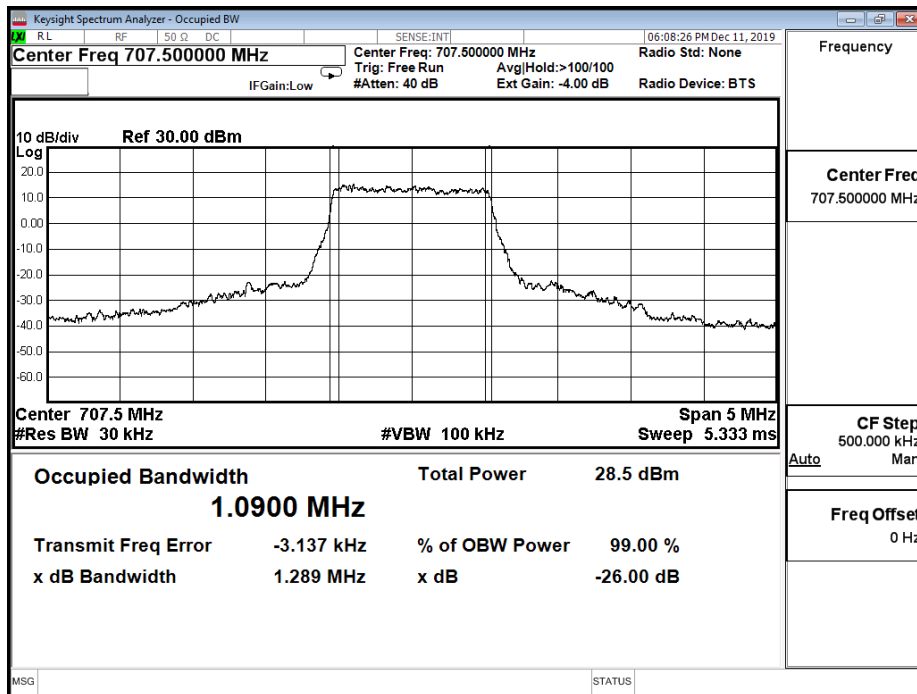
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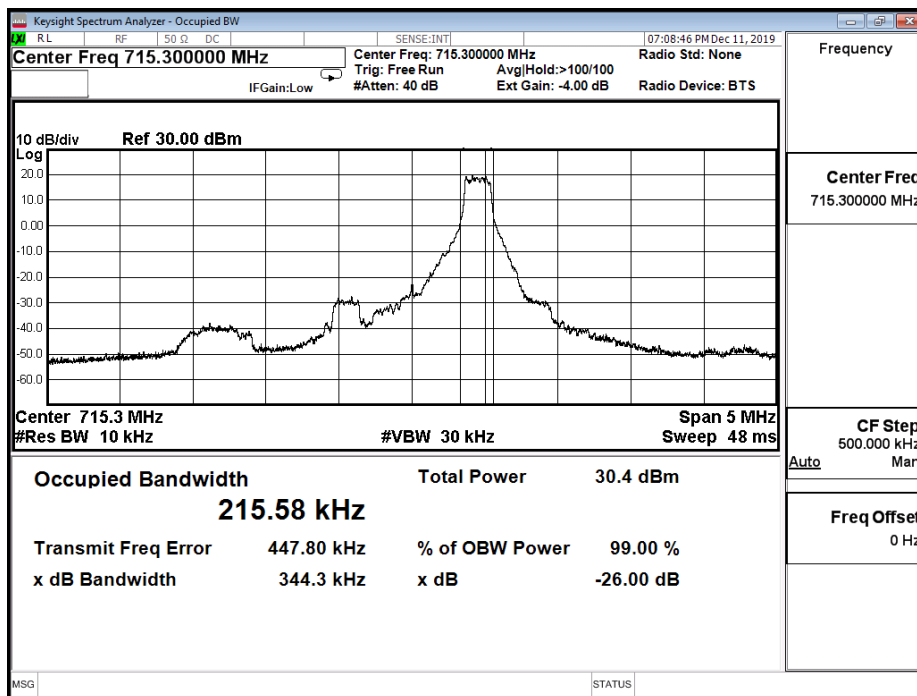
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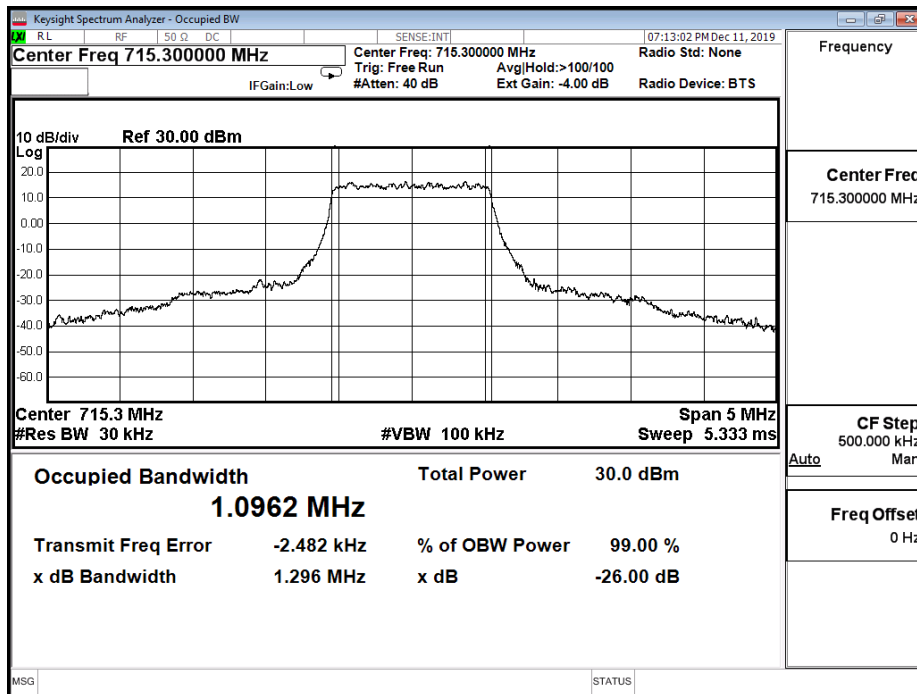
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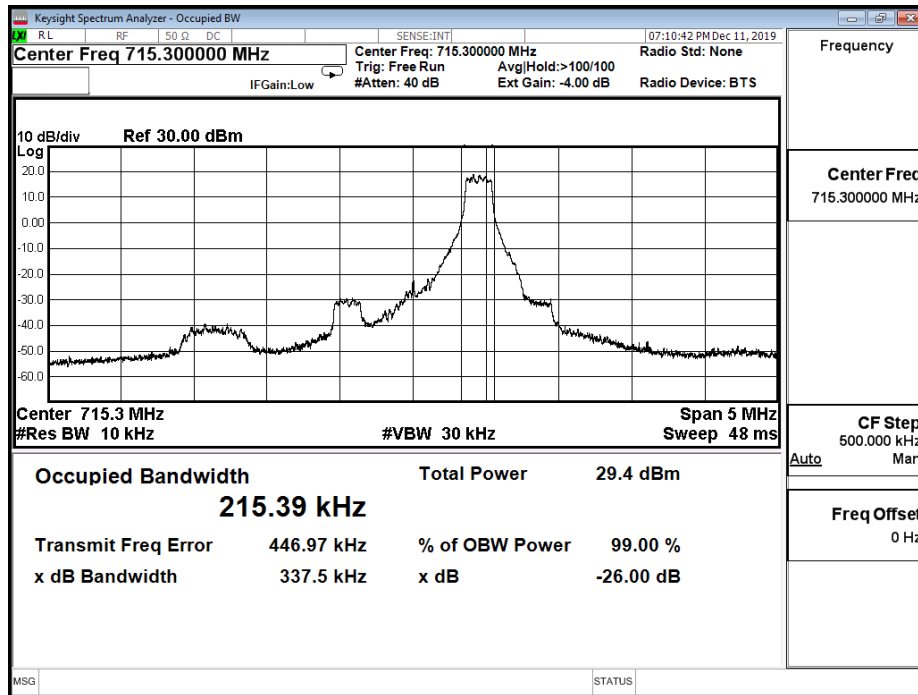
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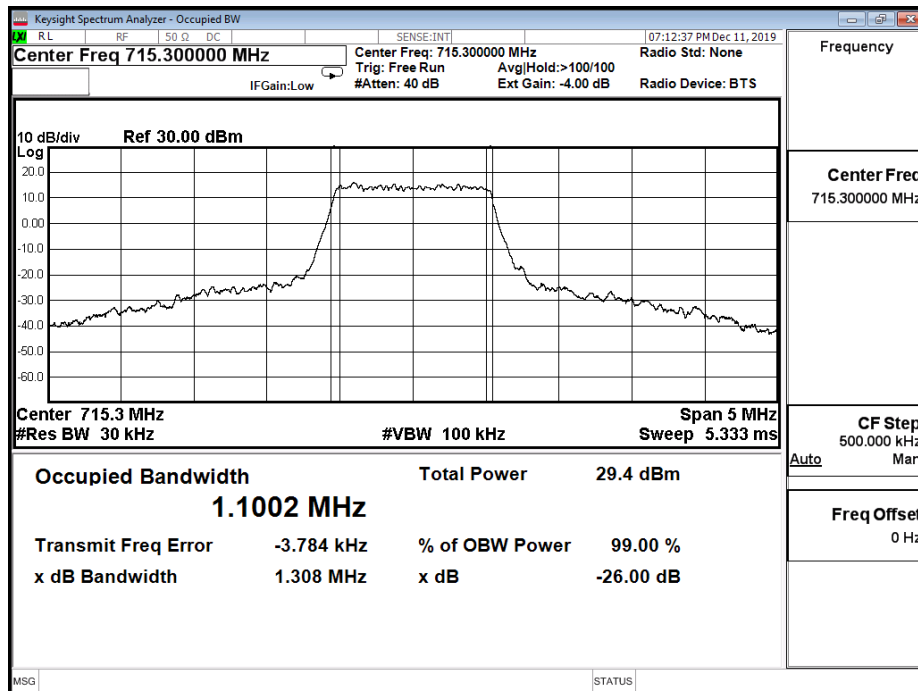
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B12\_CH23173\_1.4M\_16-QAM\_1RB5

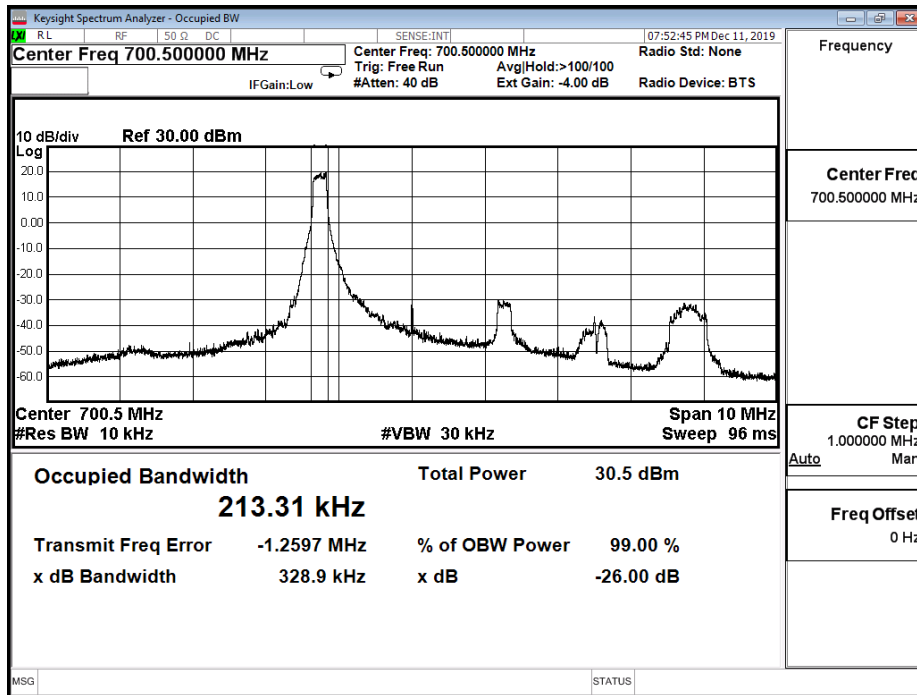


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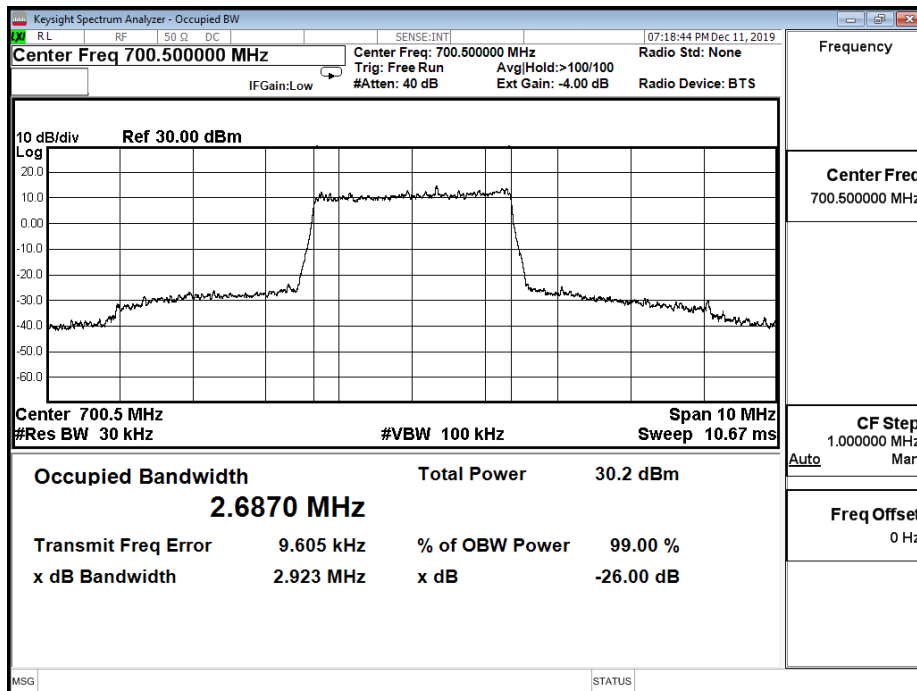




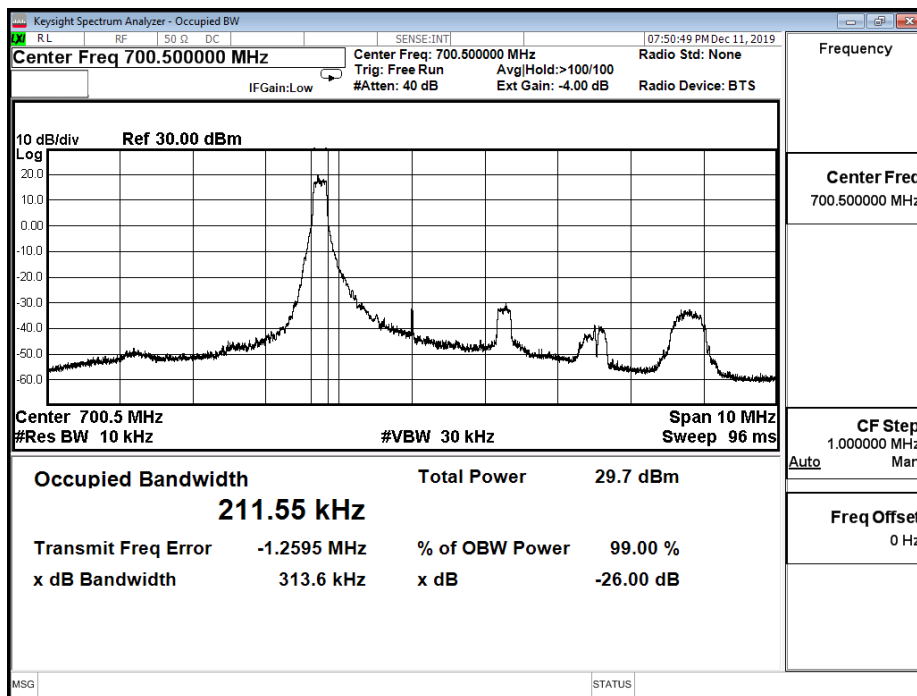
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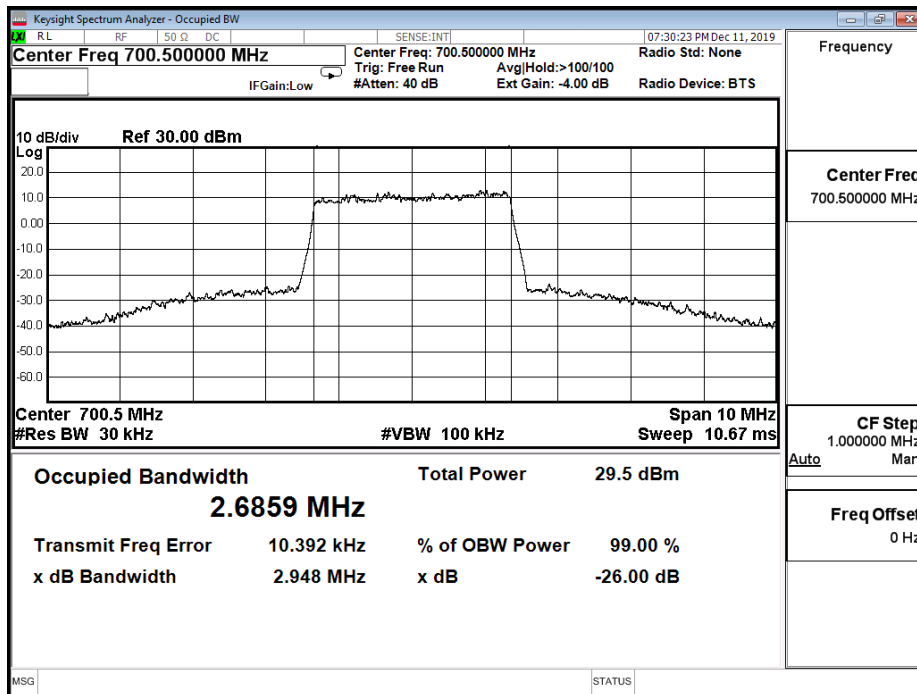
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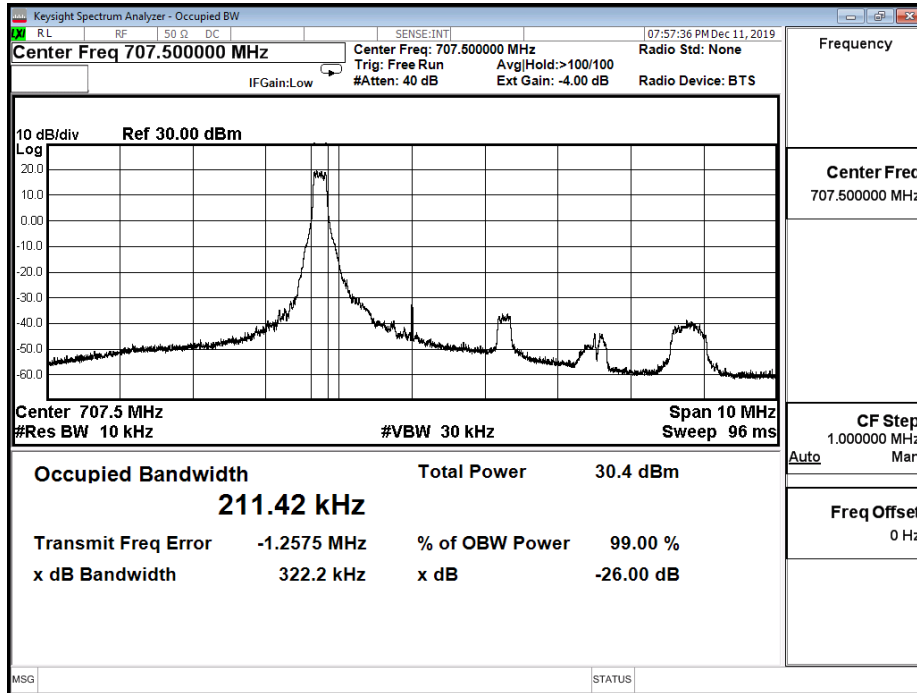
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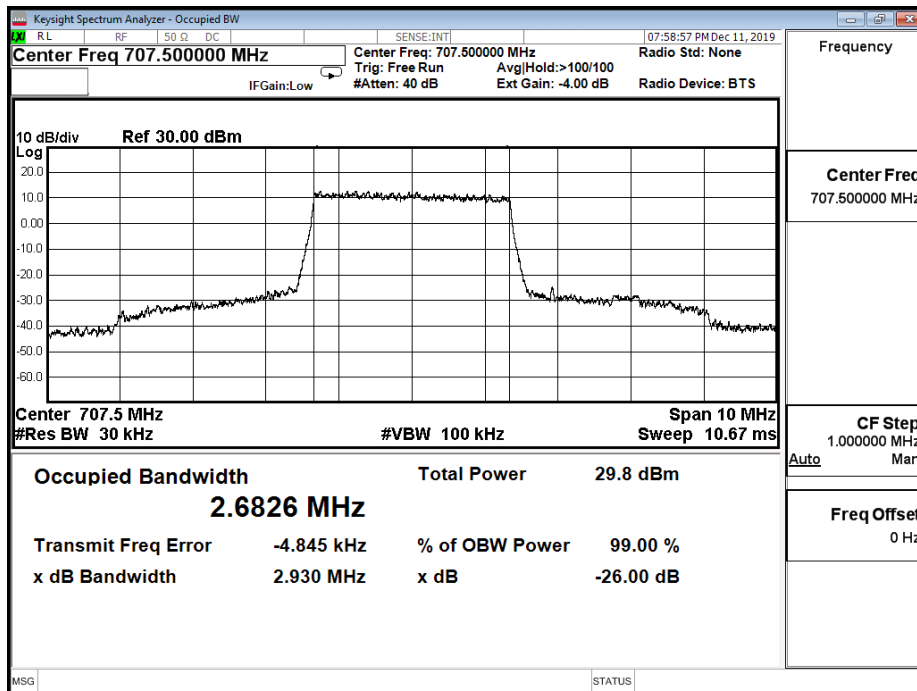
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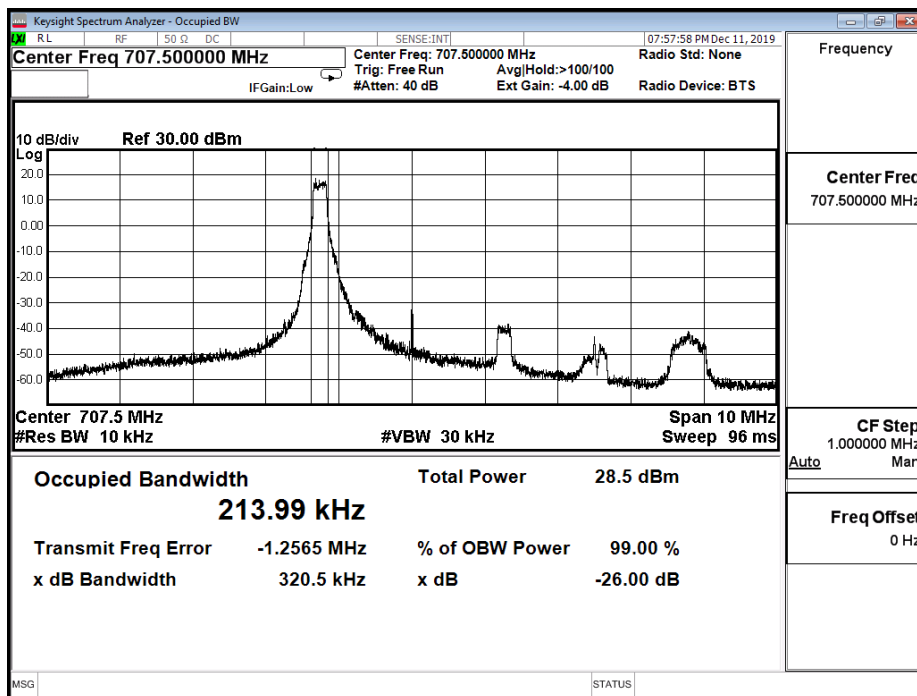
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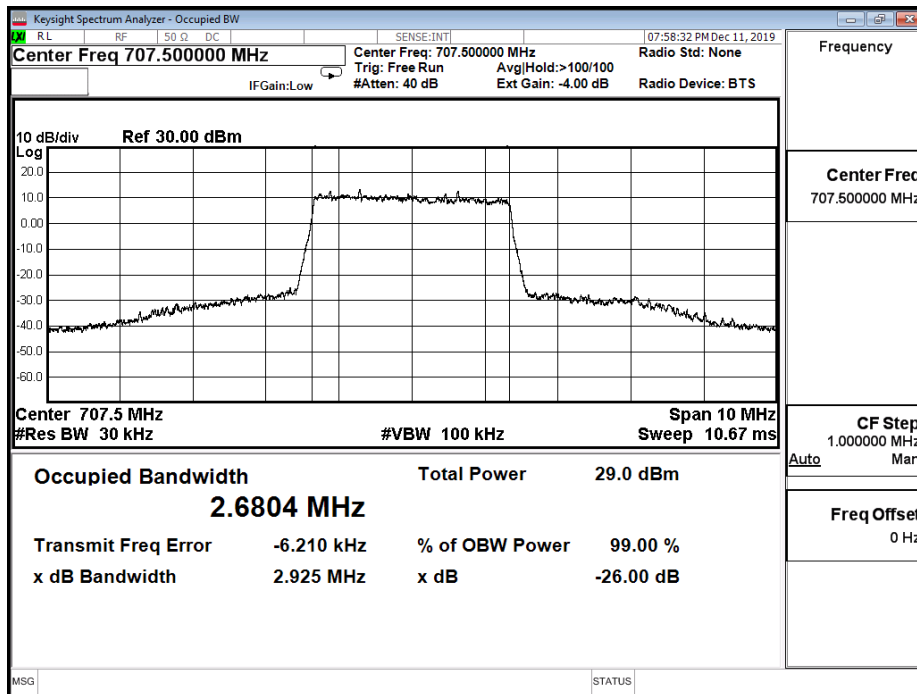
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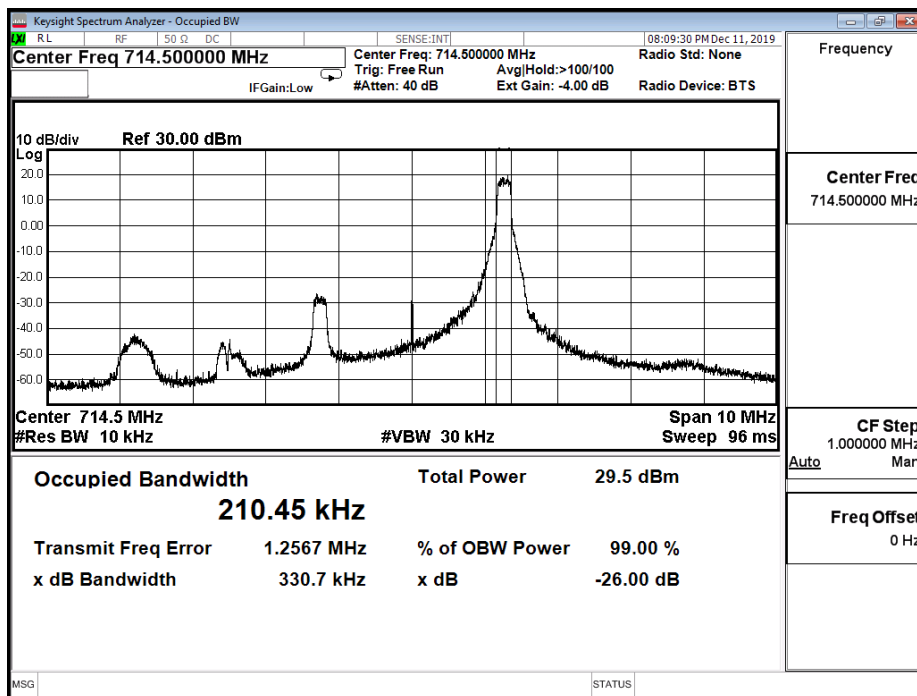
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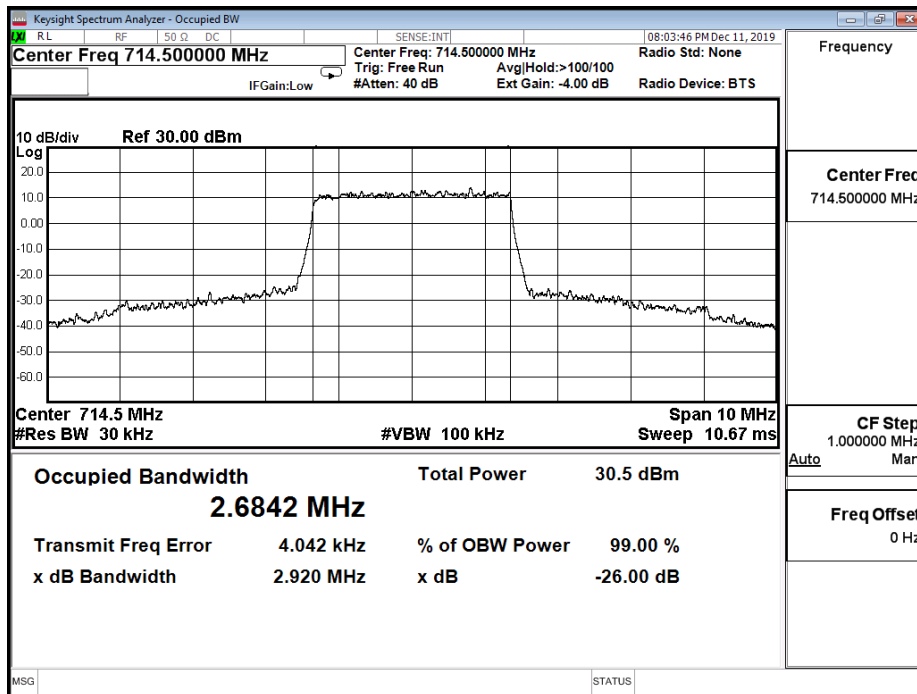
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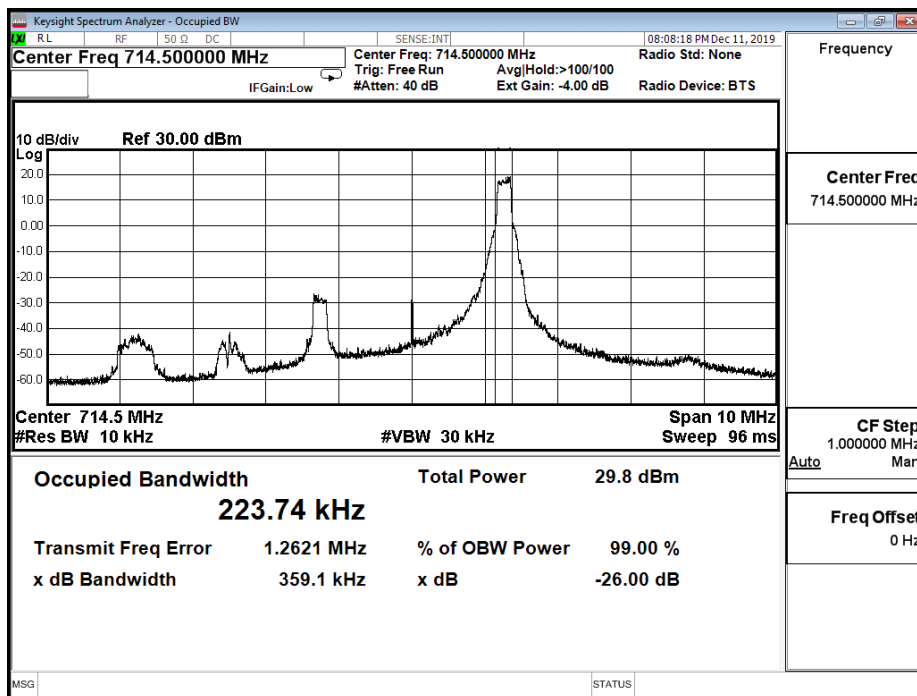
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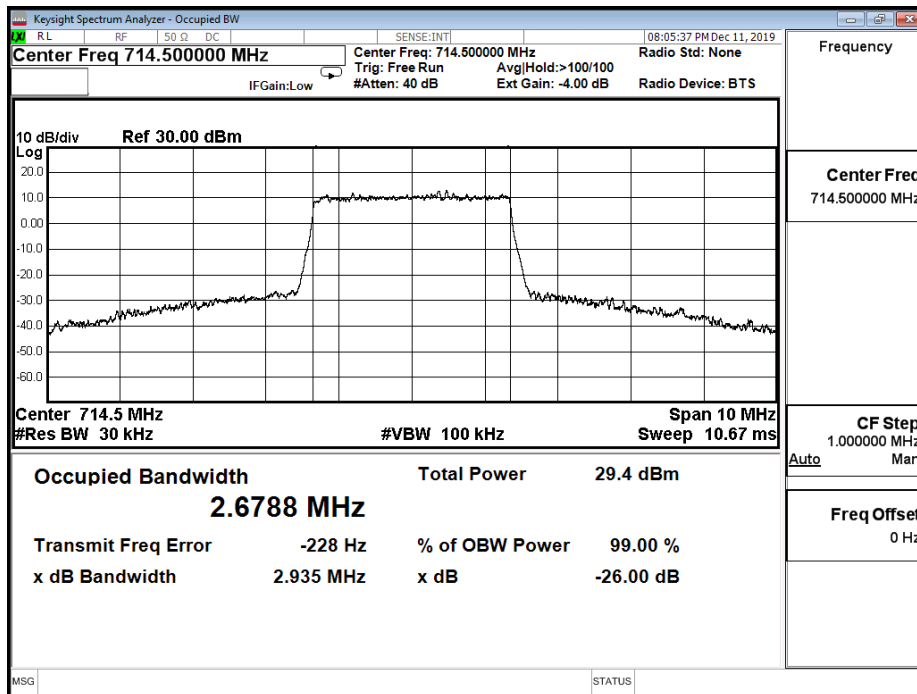
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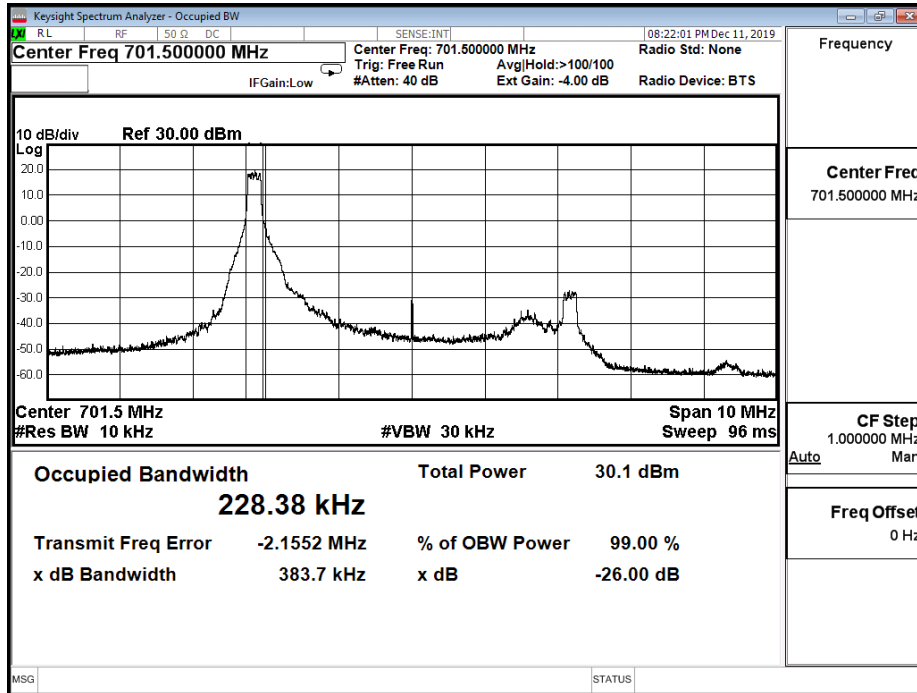
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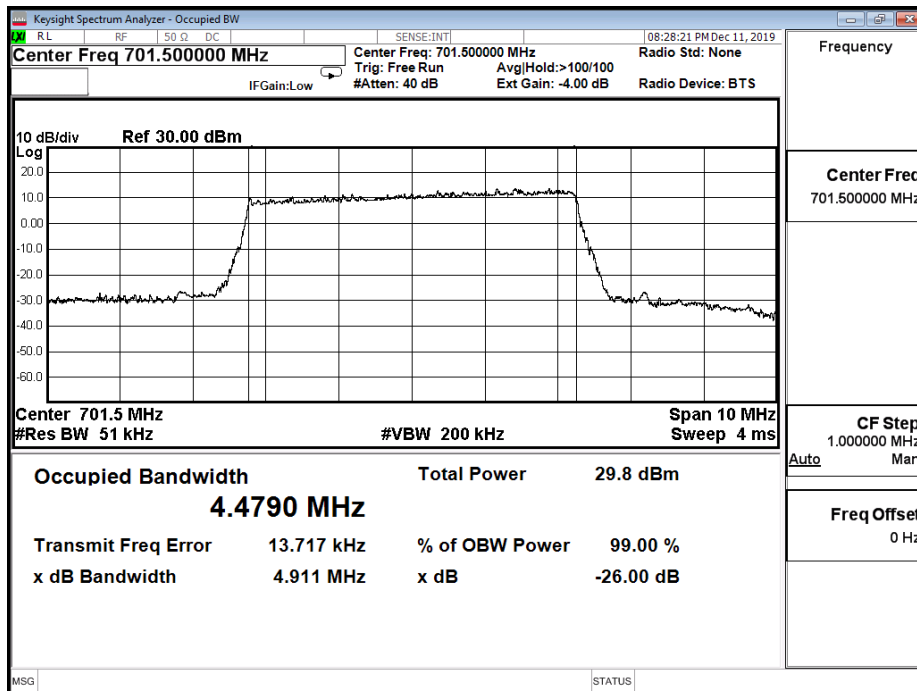
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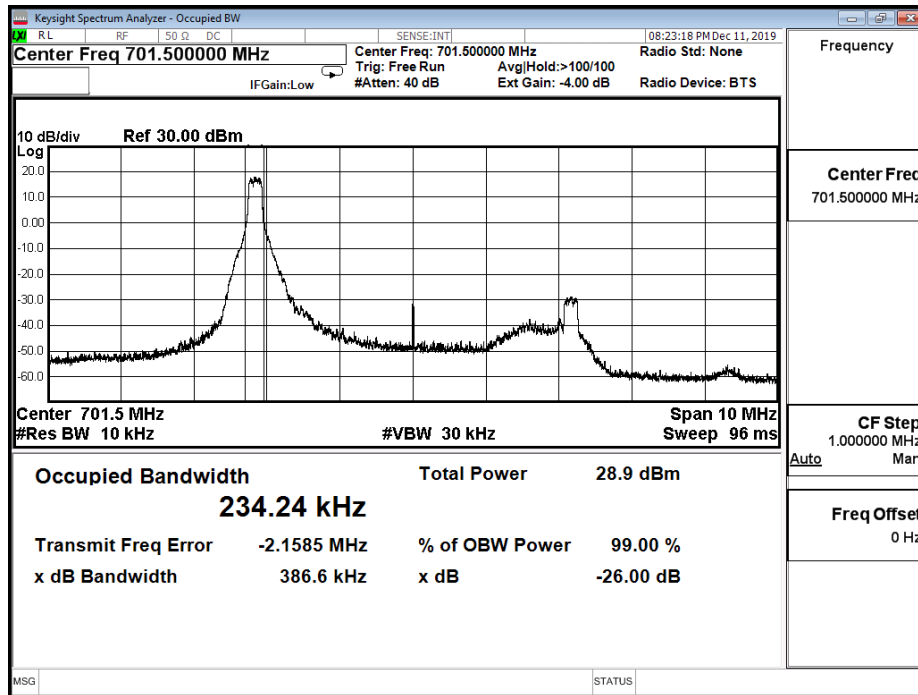
B12\_CH23035\_5M\_QPSK\_1RB0



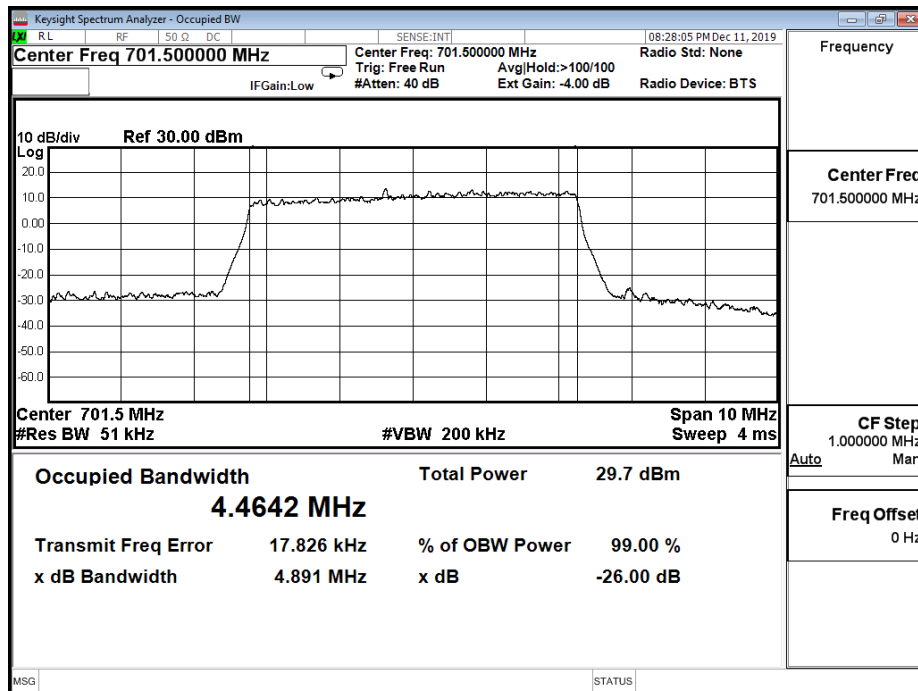
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B12\_CH23035\_5M\_16-QAM\_1RB0

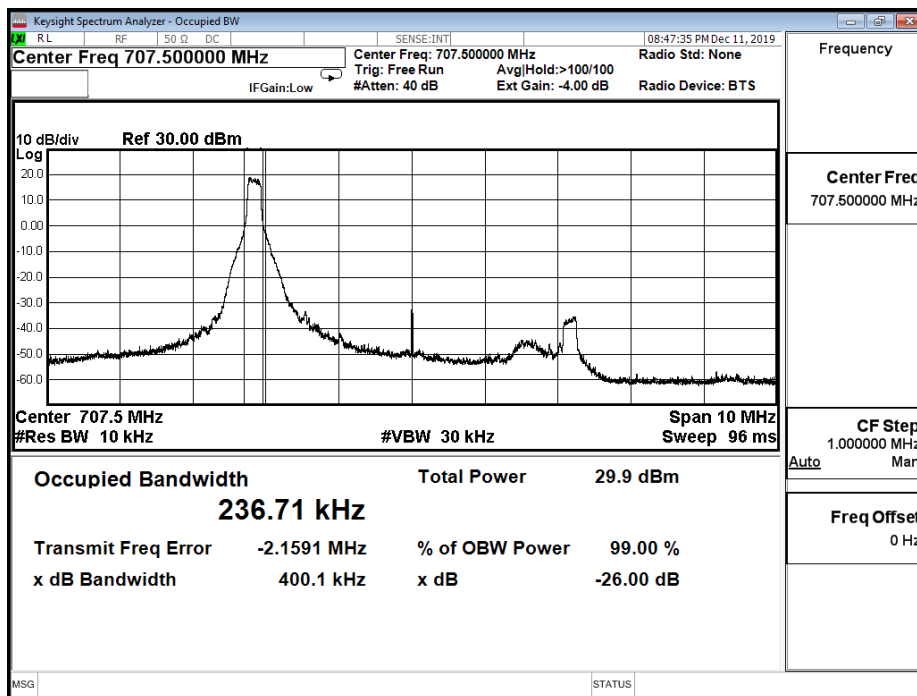


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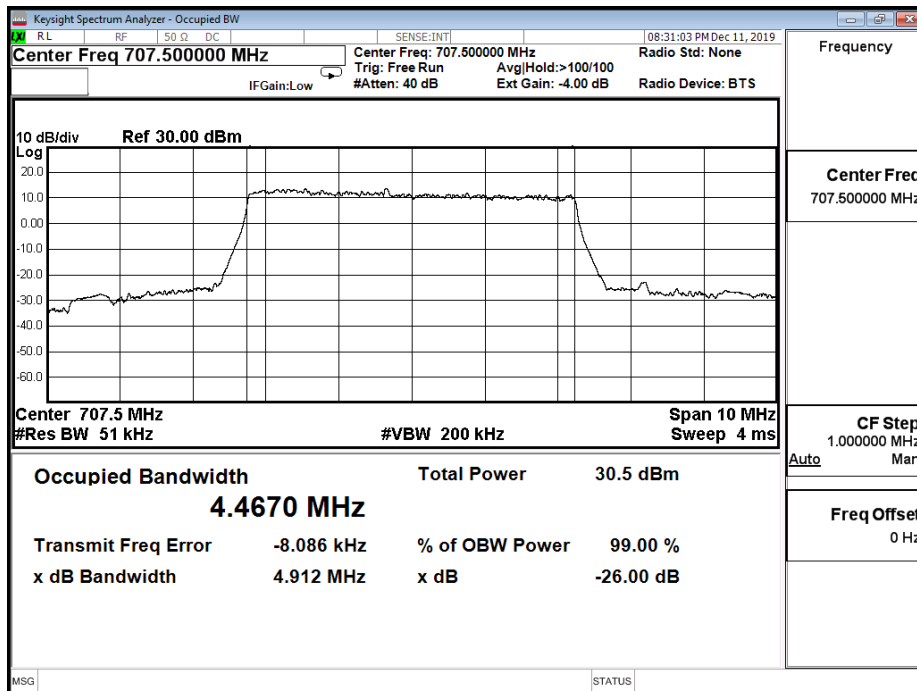




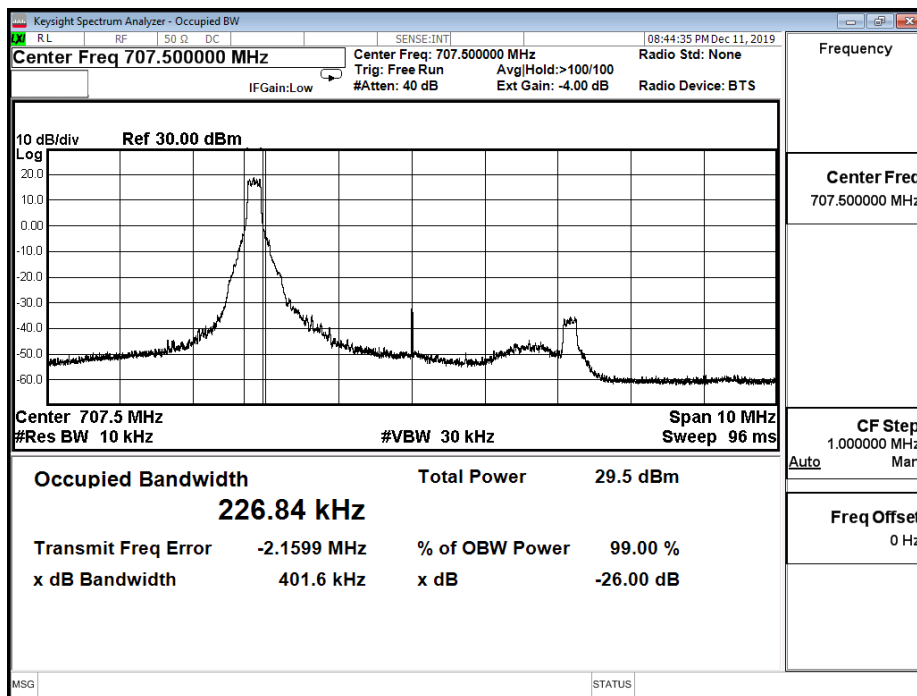
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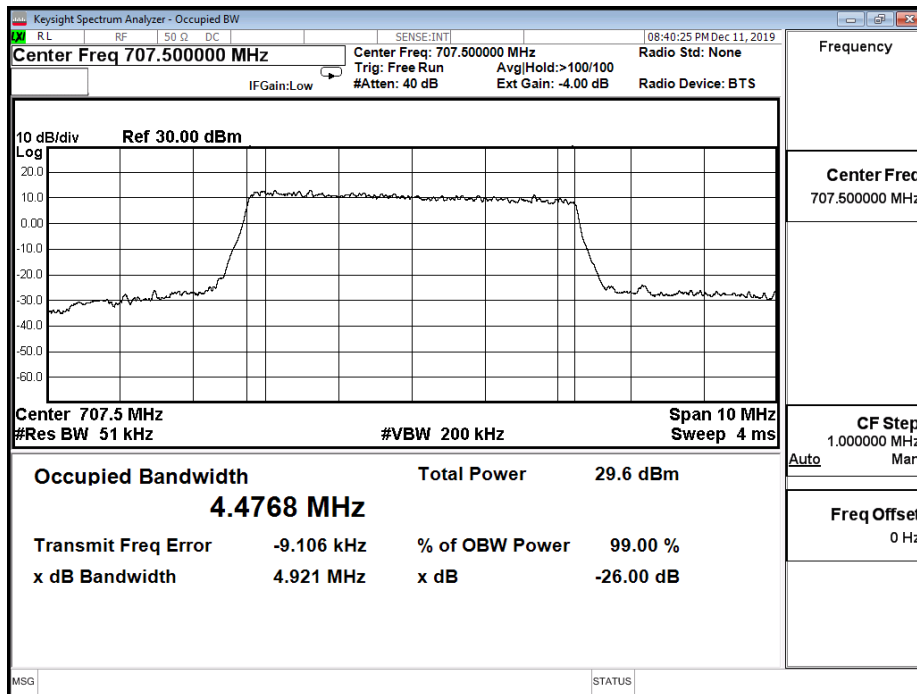
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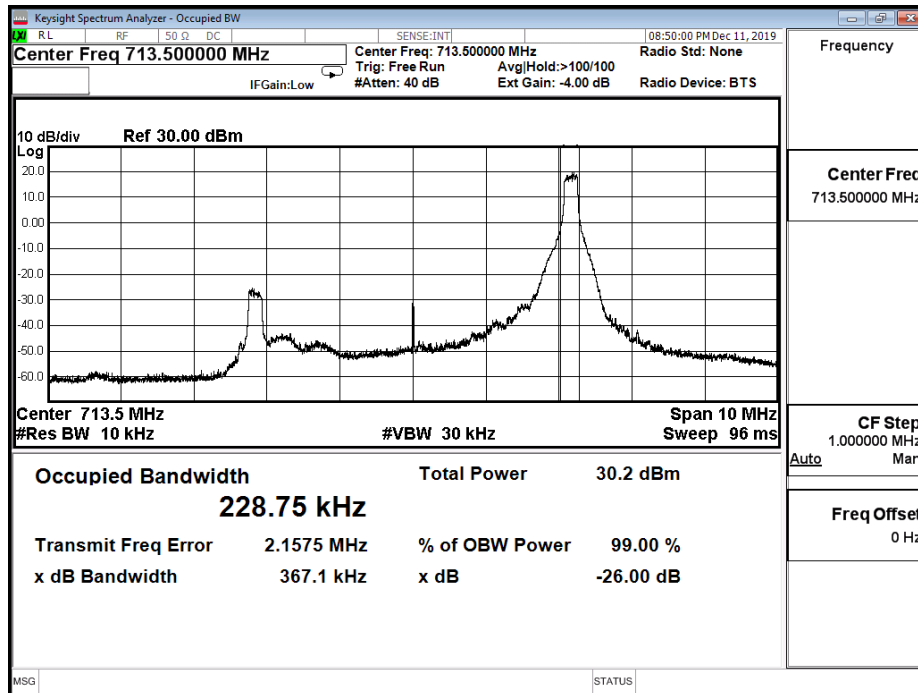
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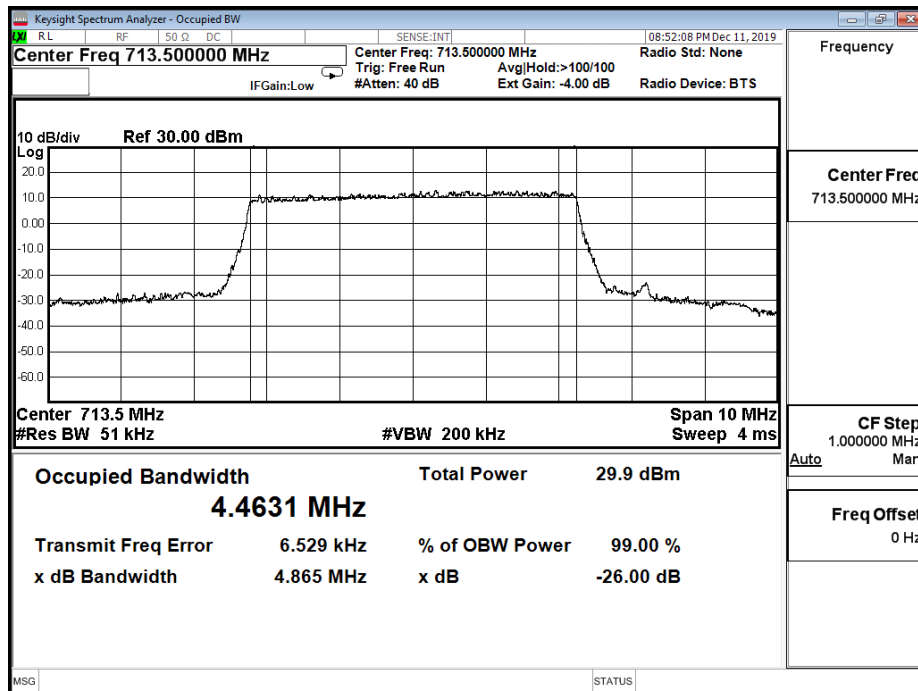
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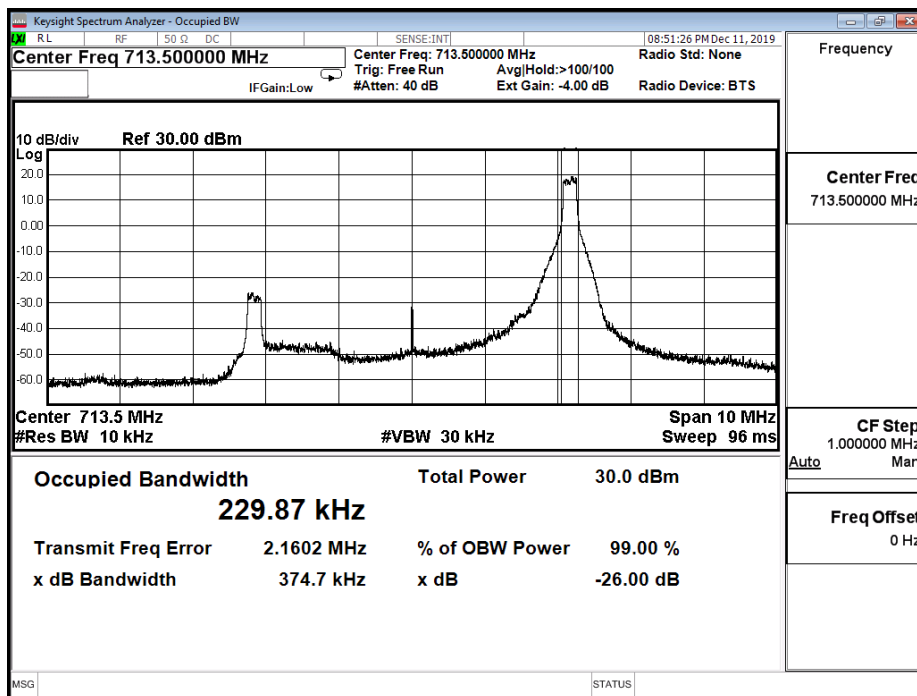
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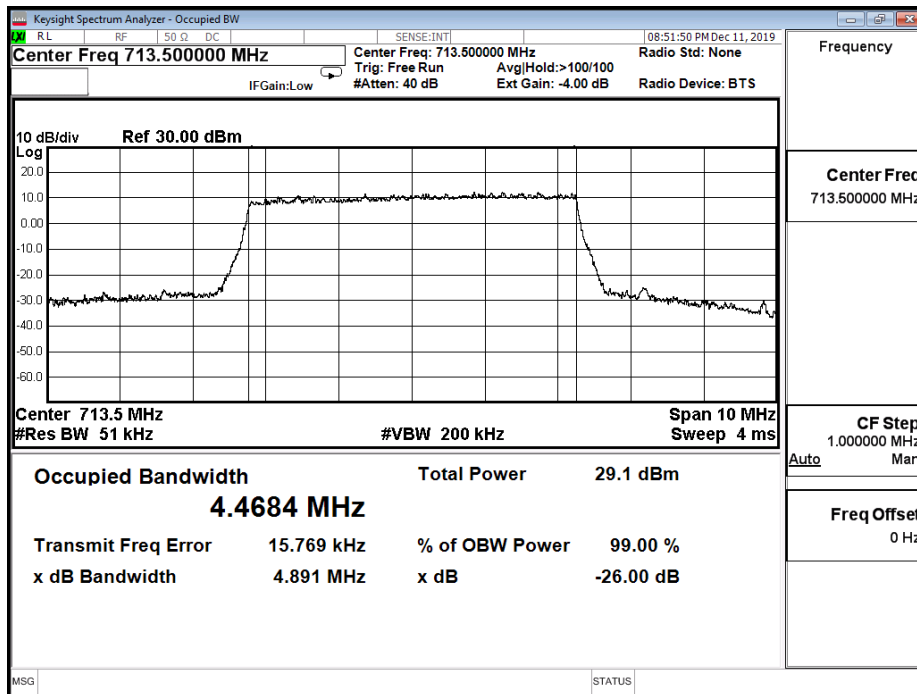
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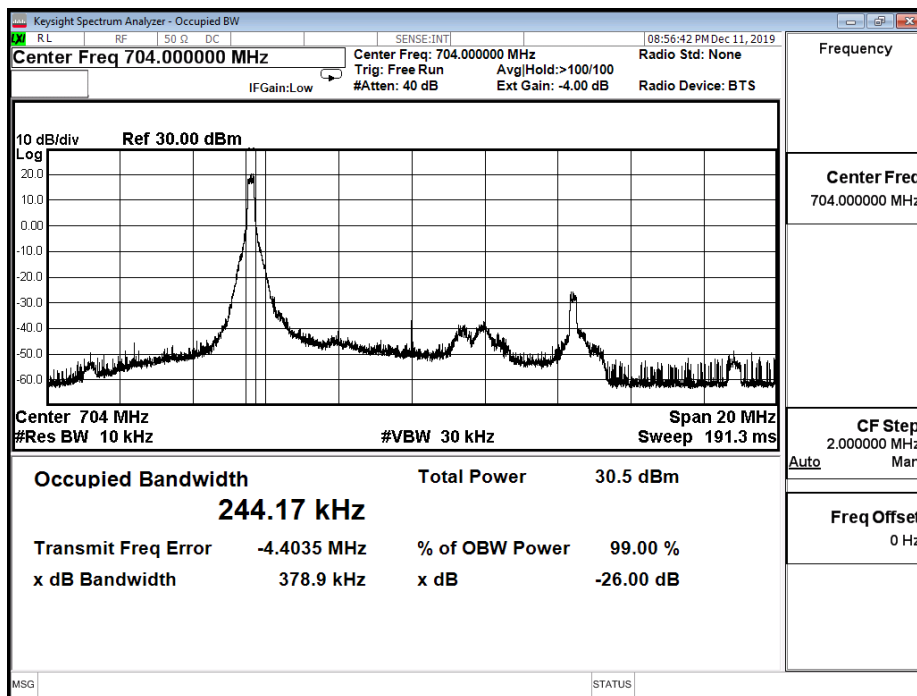
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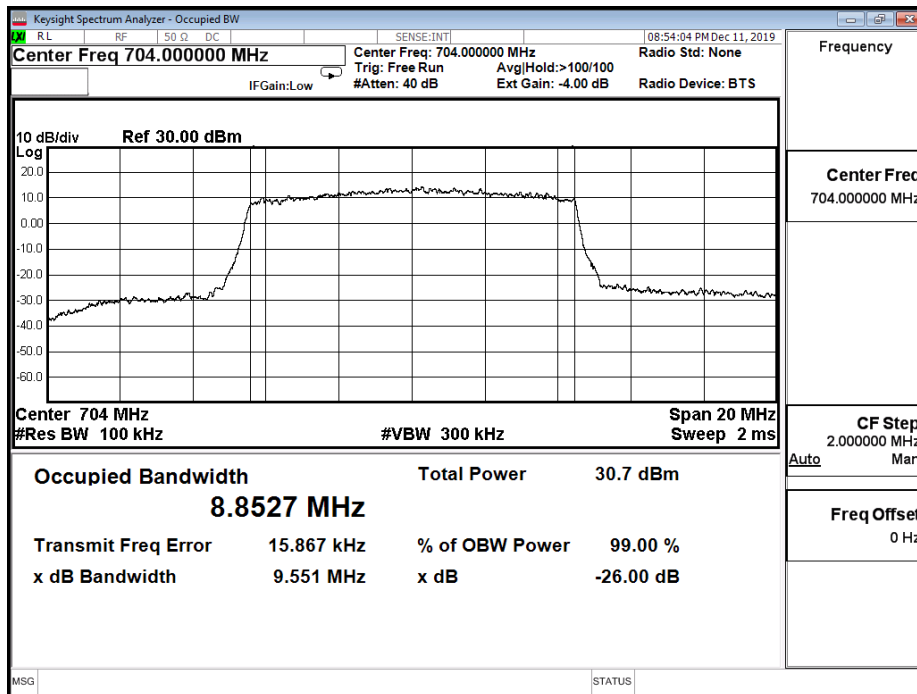
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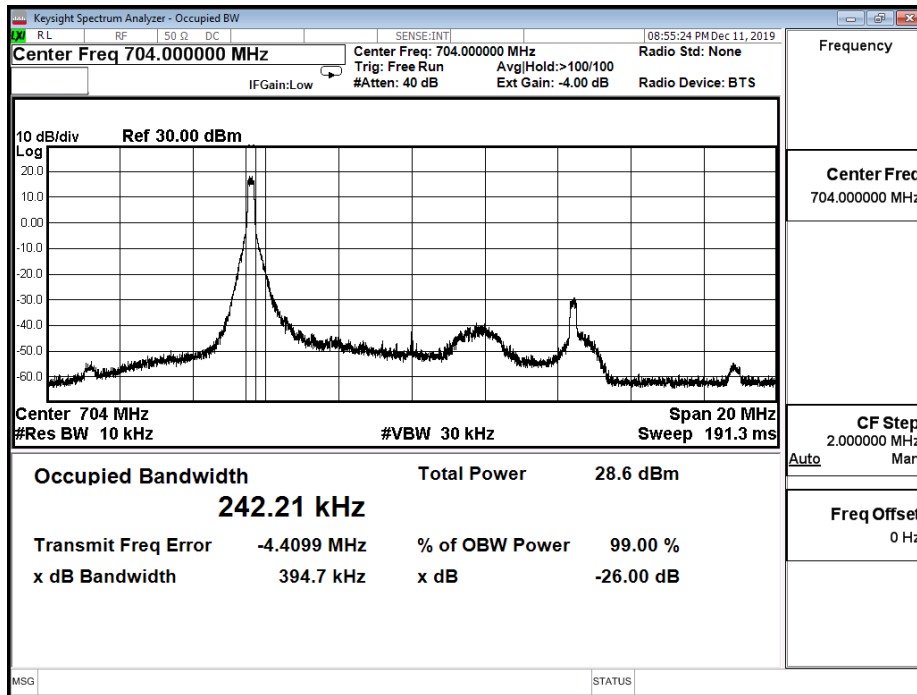
B12\_CH23060\_10M\_QPSK\_1RB0



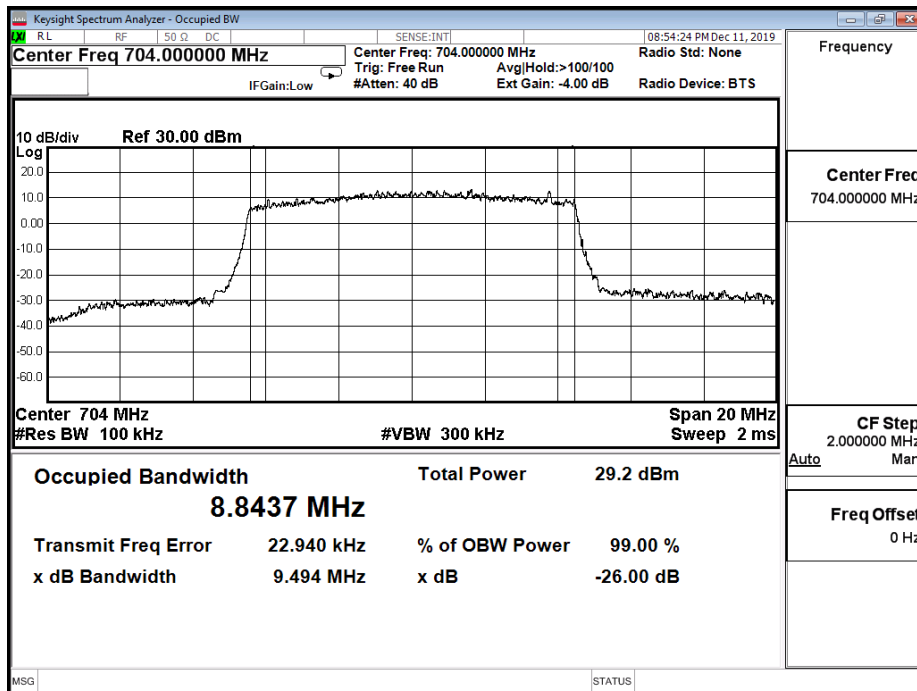
B12\_CH23060\_10M\_QPSK\_50RB0



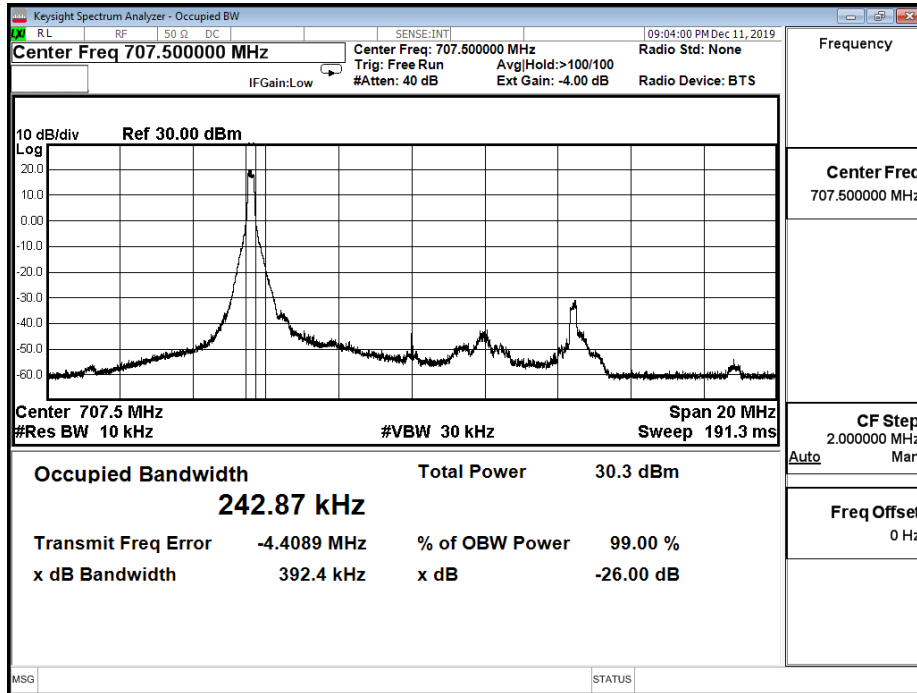
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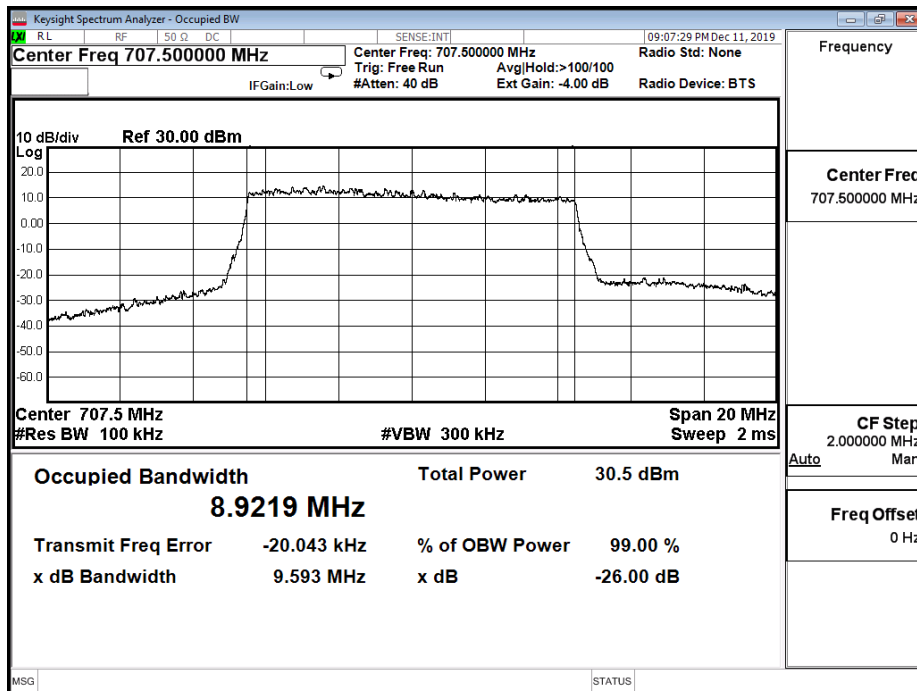
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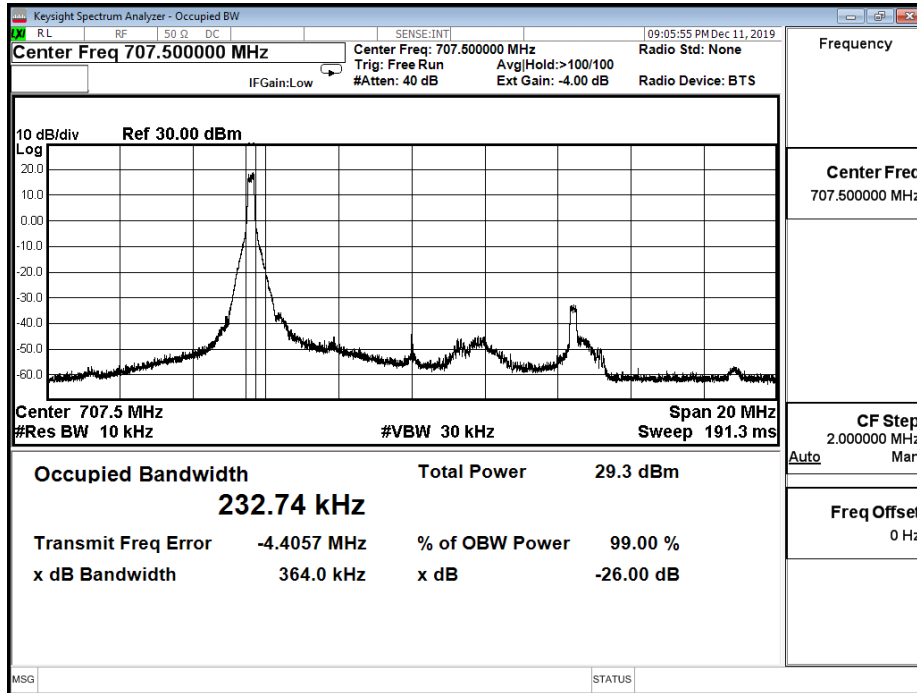
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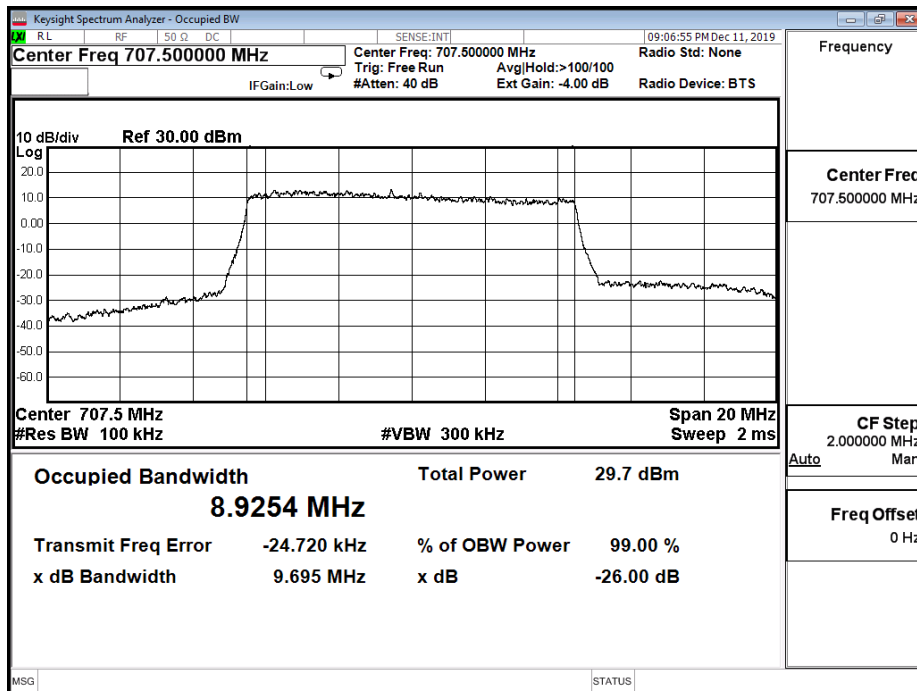
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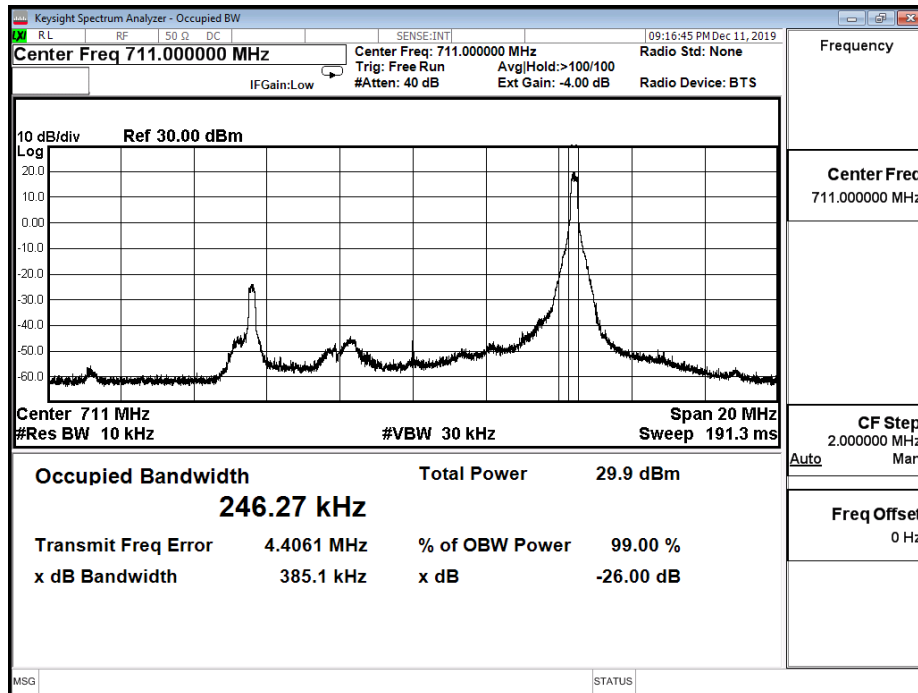


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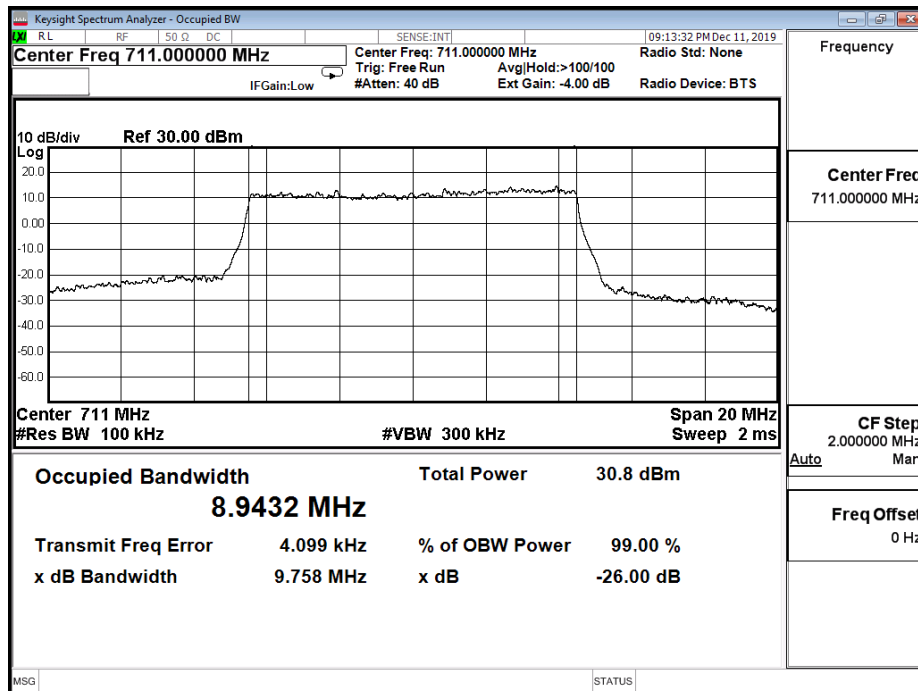




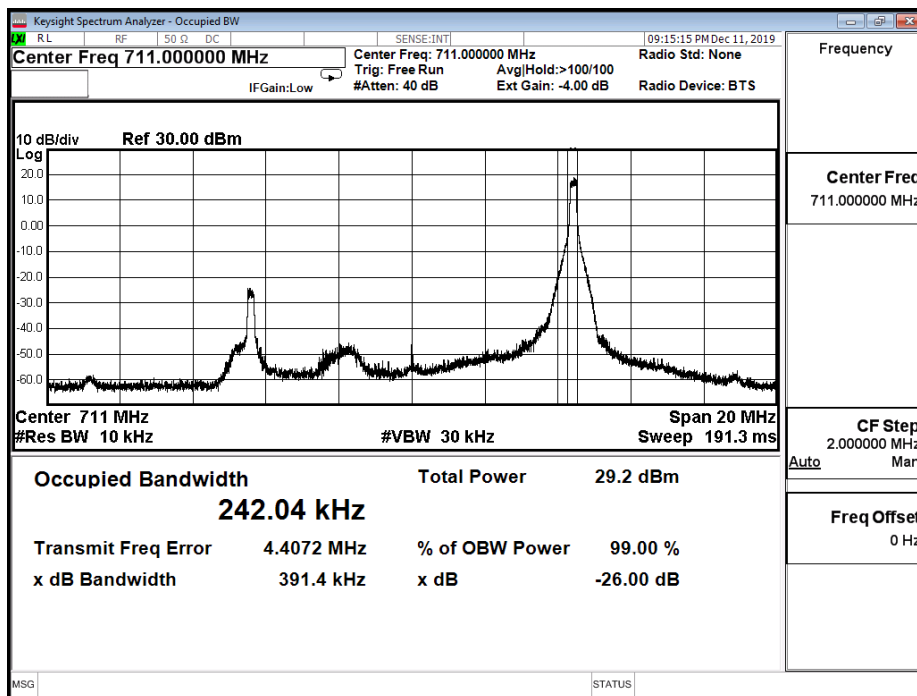
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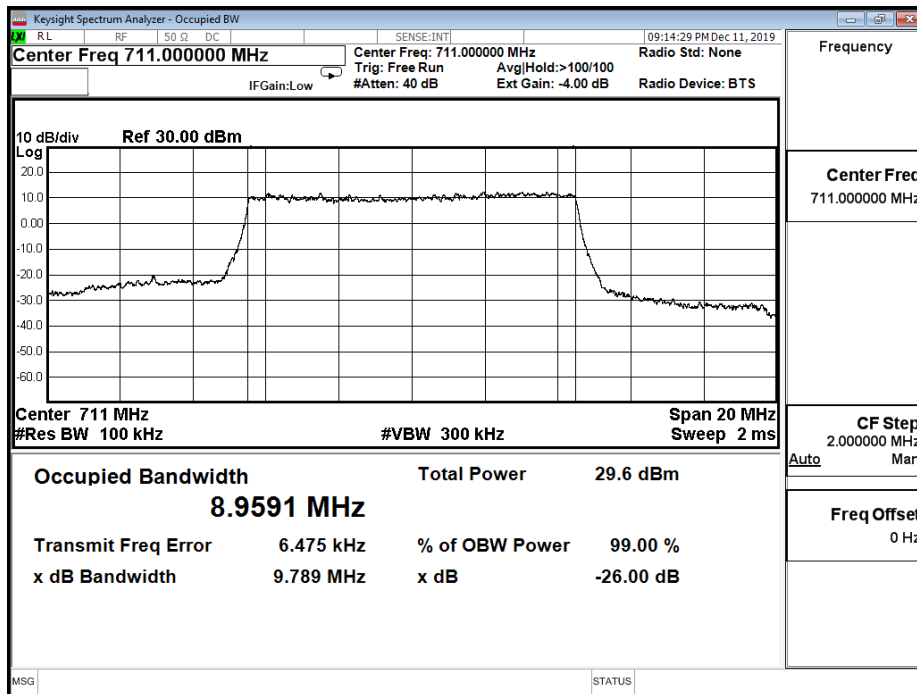
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B12\_CH23130\_10M\_16-QAM\_1RB49



B12\_CH23130\_10M\_16-QAM\_50RB0

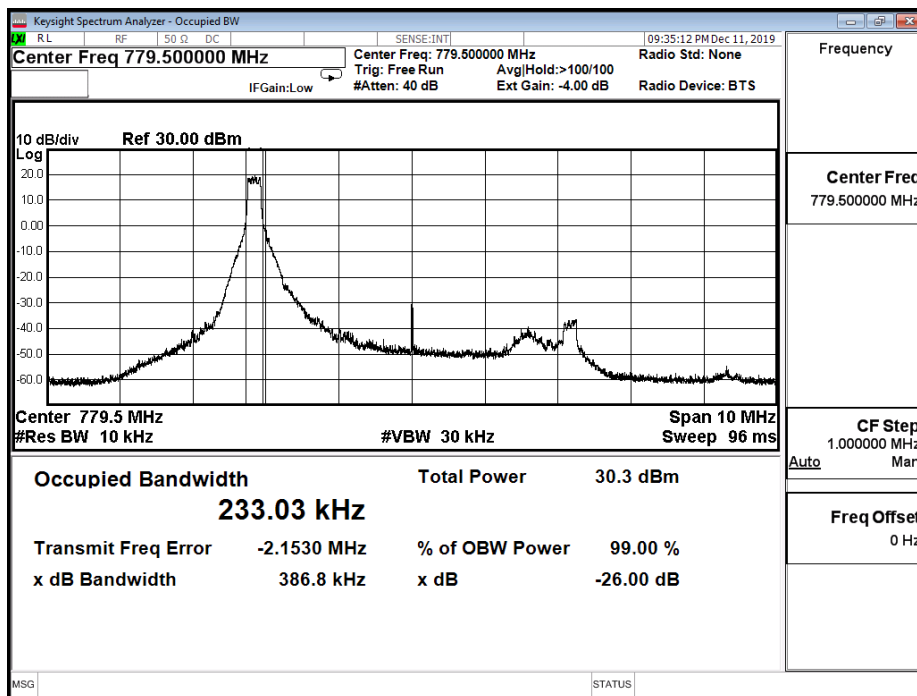


|                  |                     |                |        |
|------------------|---------------------|----------------|--------|
| Product          | Module              |                |        |
| Test Item        | Occupied Bandwidth  |                |        |
| Test Mode        | Mode 5: LTE Band 13 |                |        |
| Date of Test     | 2019/12/11          | Test Site      | SR12-H |
| Temperature (°C) | 24.0°C              | Humidity (%RH) | 59%RH  |

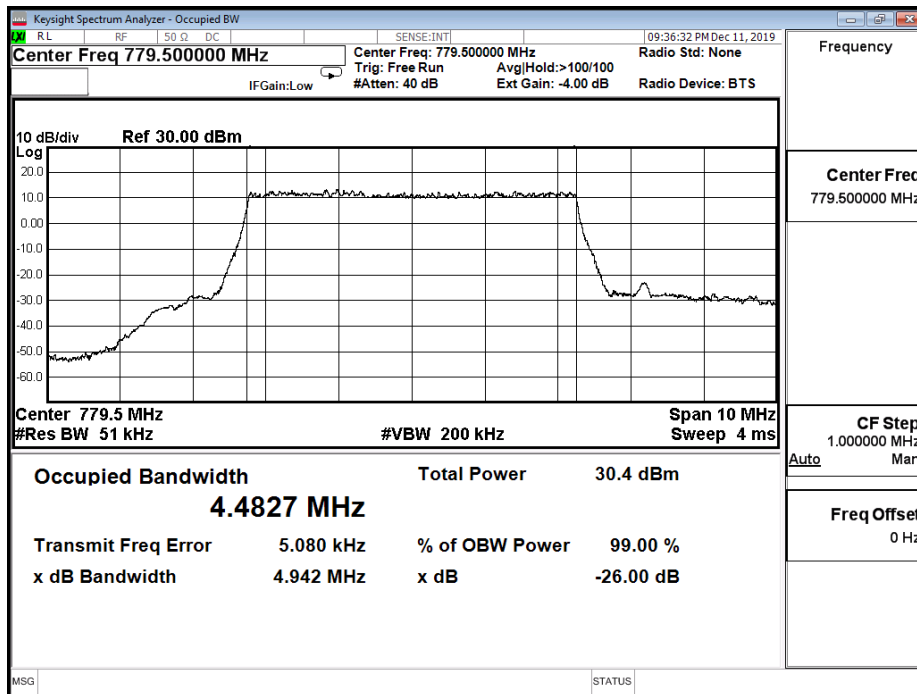
| LTE Band 13_1RB Low/high |              |                 |                     |        |             |
|--------------------------|--------------|-----------------|---------------------|--------|-------------|
| Band width (MHz)         | Modulation   | Frequency (MHz) | Measure Level (MHz) |        | Limit (MHz) |
|                          |              |                 | 26dB BW             | 99% BW |             |
| 5M                       | QPSK         | 779.5           | 0.386               | 0.233  | N/A         |
|                          |              | 782             | 0.367               | 0.228  | N/A         |
|                          |              | 784.5           | 0.353               | 0.226  | N/A         |
|                          | 16-QAM       | 779.5           | 0.376               | 0.232  | N/A         |
|                          |              | 782             | 0.357               | 0.219  | N/A         |
|                          |              | 784.5           | 0.361               | 0.234  | N/A         |
| 10M                      | QPSK_1RB0    | 782             | 0.401               | 0.252  | N/A         |
|                          | QPSK_1RB49   | 782             | 0.382               | 0.227  | N/A         |
|                          | 16-QAM_1RB0  | 782             | 0.379               | 0.242  | N/A         |
|                          | 16-QAM_1RB49 | 782             | 0.385               | 0.256  | N/A         |

| LTE Band 13_Full RB |            |                 |                     |        |             |
|---------------------|------------|-----------------|---------------------|--------|-------------|
| Band width (MHz)    | Modulation | Frequency (MHz) | Measure Level (MHz) |        | Limit (MHz) |
|                     |            |                 | 26dB BW             | 99% BW |             |
| 5M                  | QPSK       | 779.5           | 4.942               | 4.482  | N/A         |
|                     |            | 782             | 4.903               | 4.457  | N/A         |
|                     |            | 784.5           | 4.871               | 4.469  | N/A         |
|                     | 16-QAM     | 779.5           | 4.836               | 4.468  | N/A         |
|                     |            | 782             | 4.902               | 4.464  | N/A         |
|                     |            | 784.5           | 4.893               | 4.471  | N/A         |
| 10M                 | QPSK       | 782             | 9.631               | 8.911  | N/A         |
|                     | 16-QAM     | 782             | 9.572               | 8.896  | N/A         |

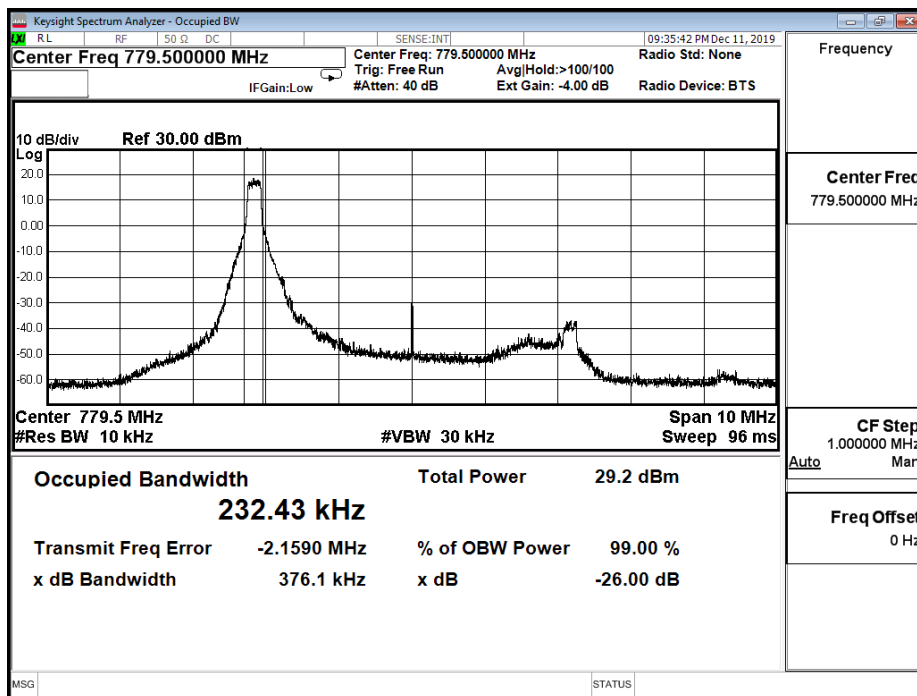
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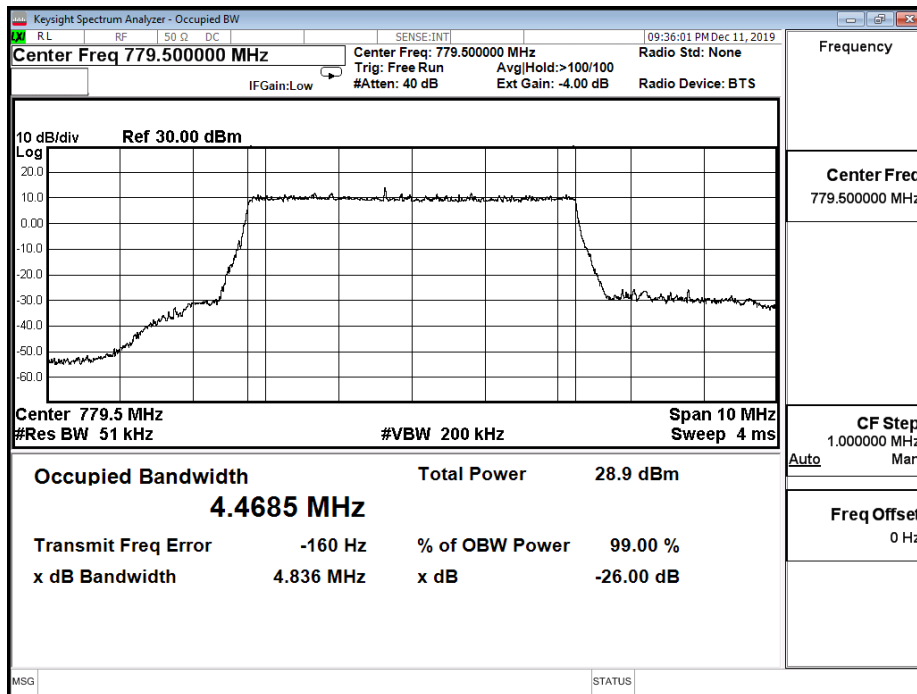
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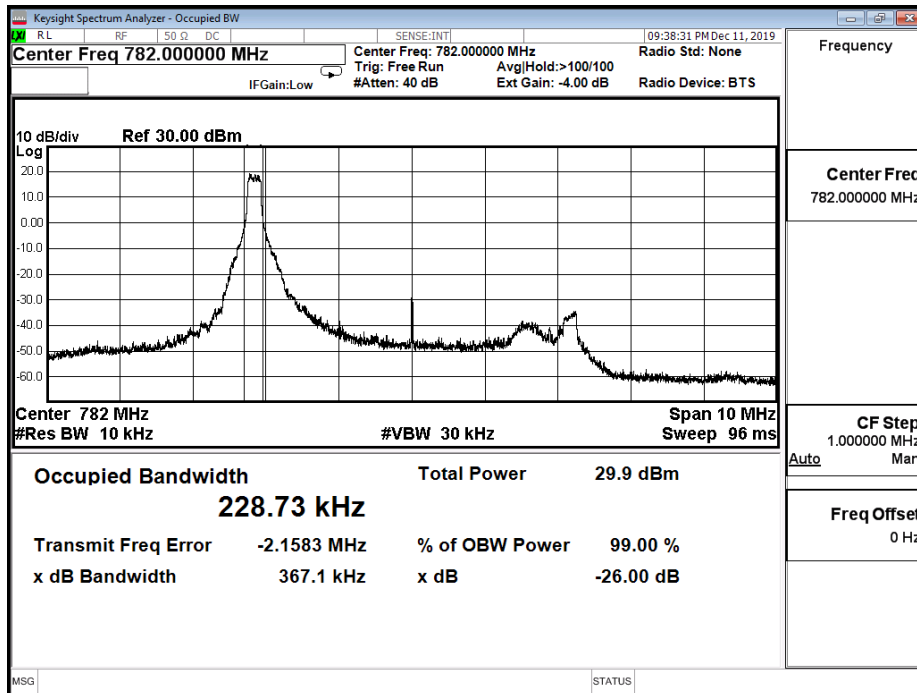
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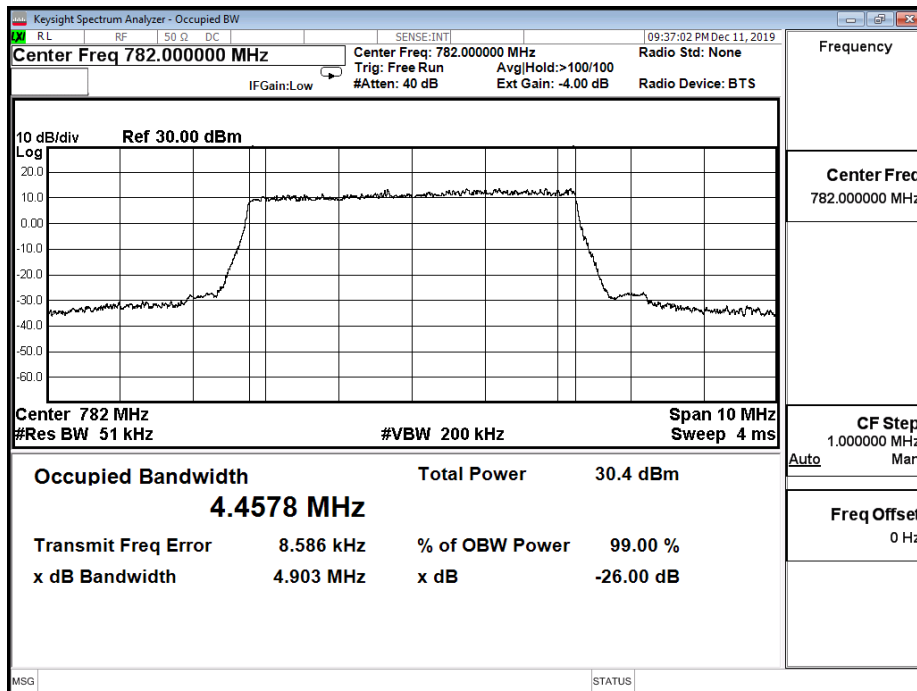
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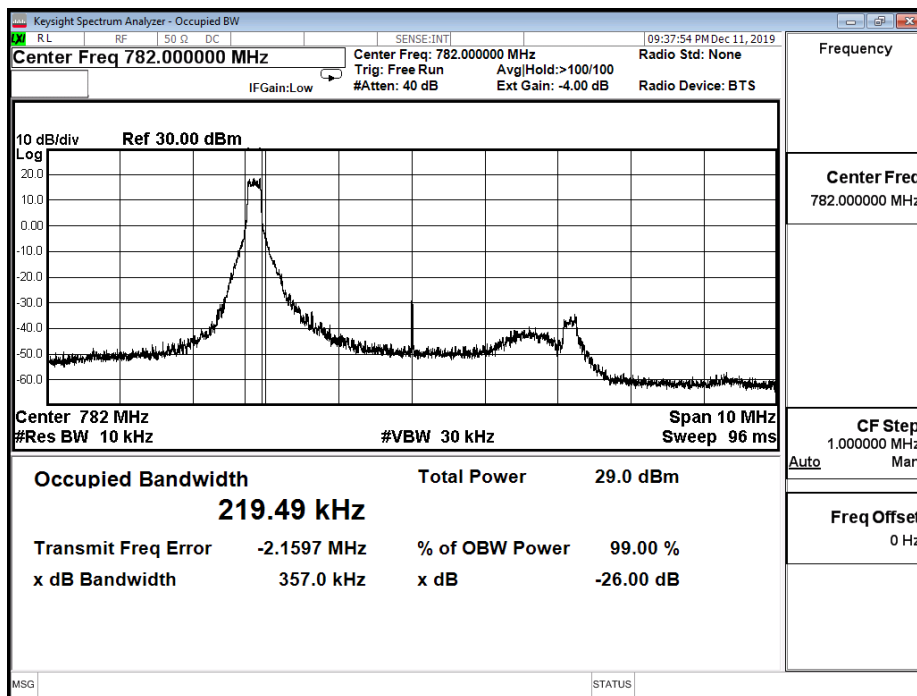
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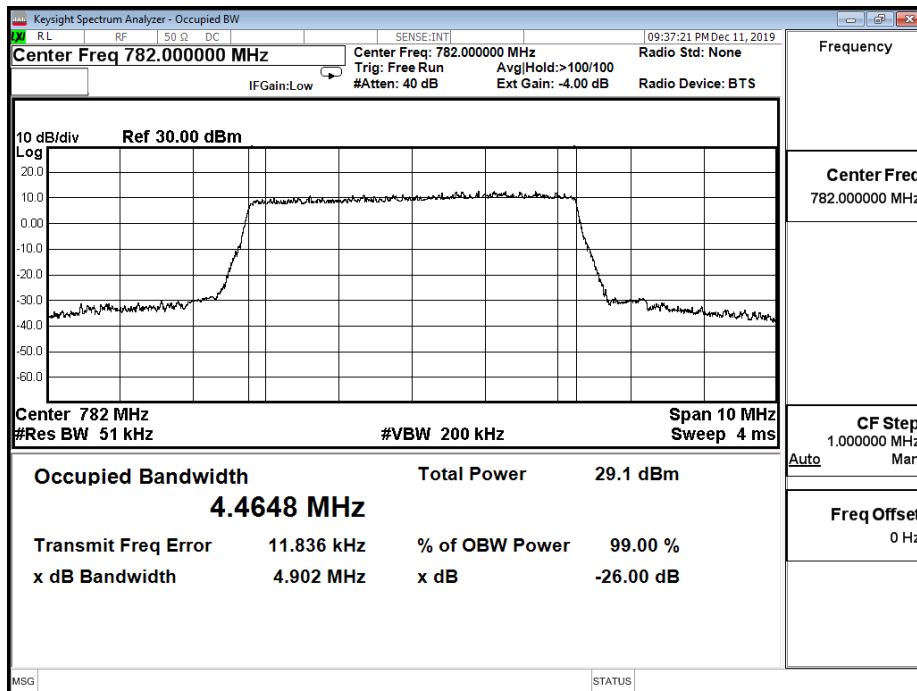
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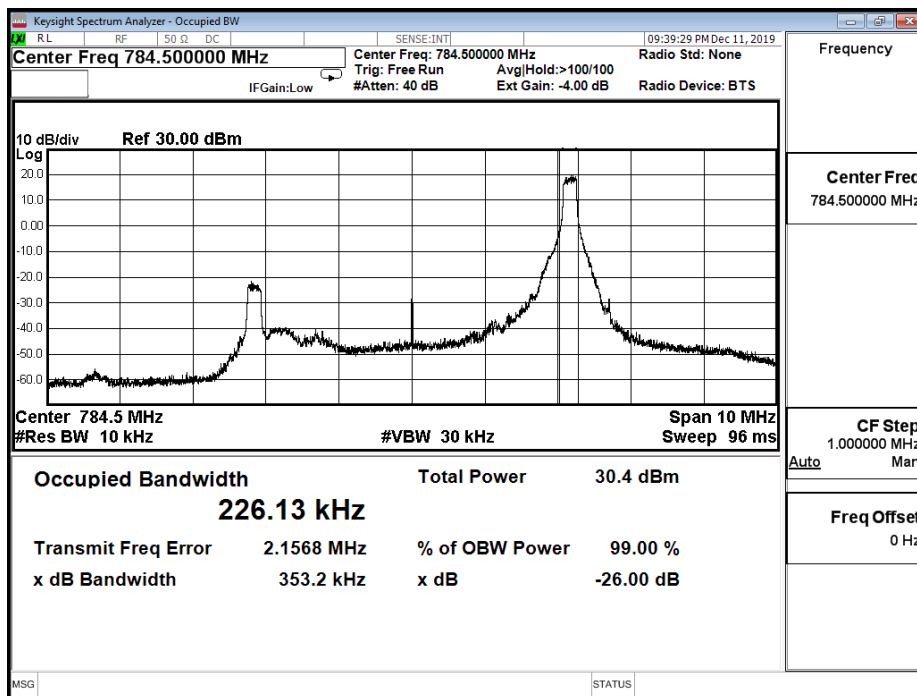
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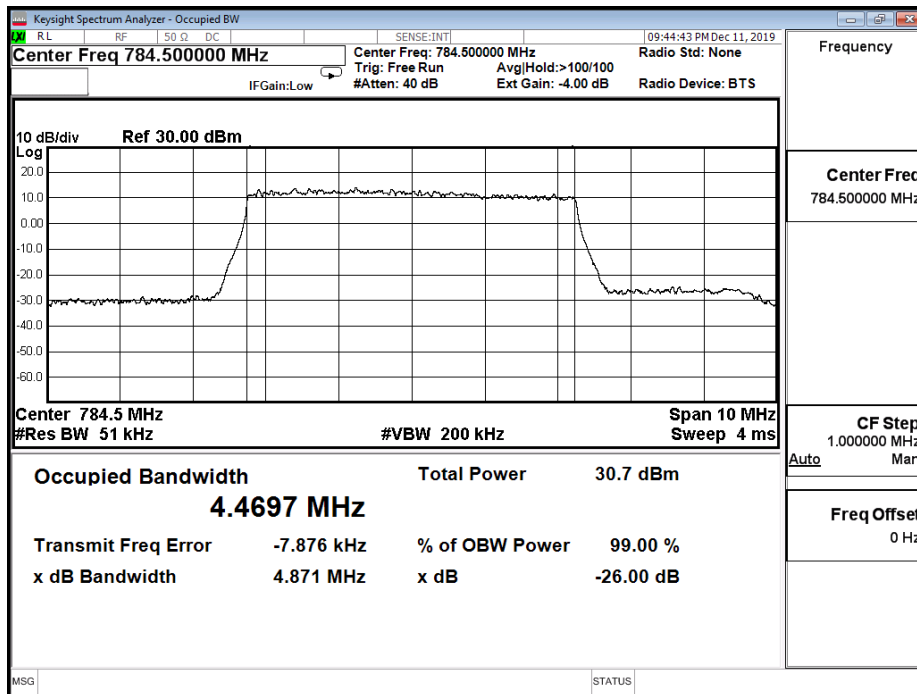
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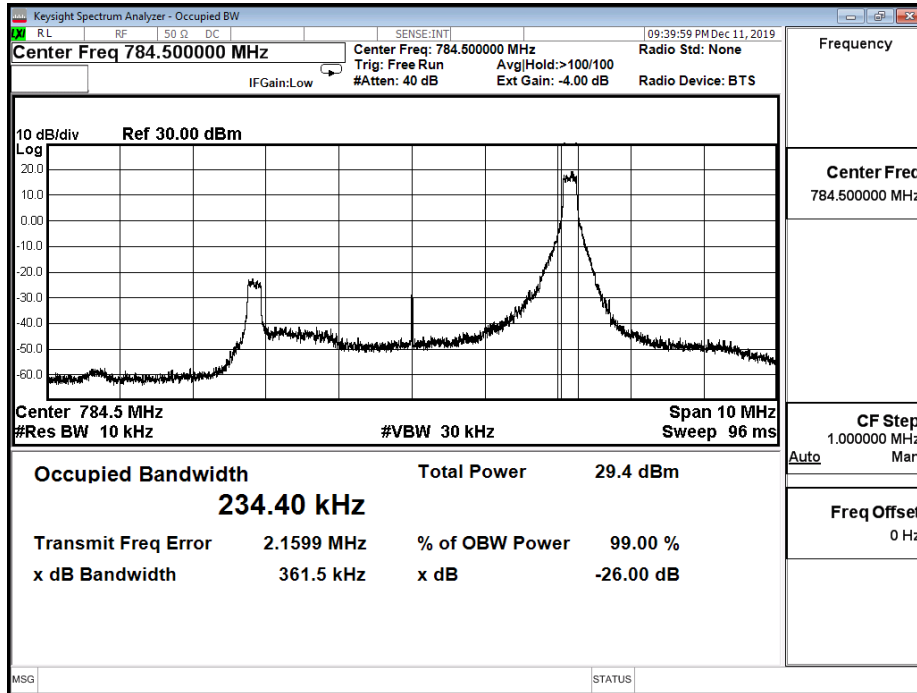


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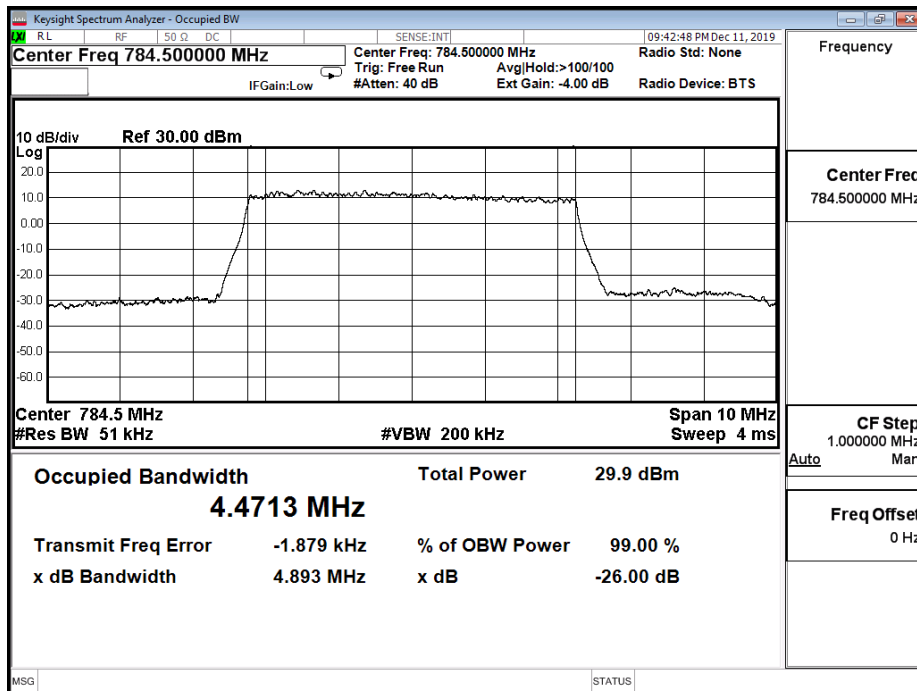




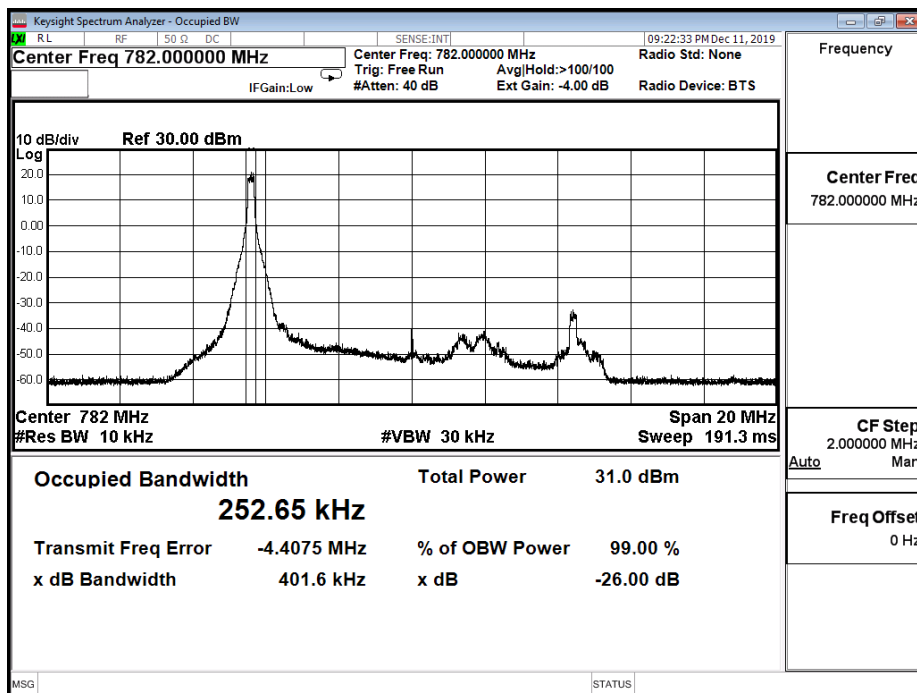
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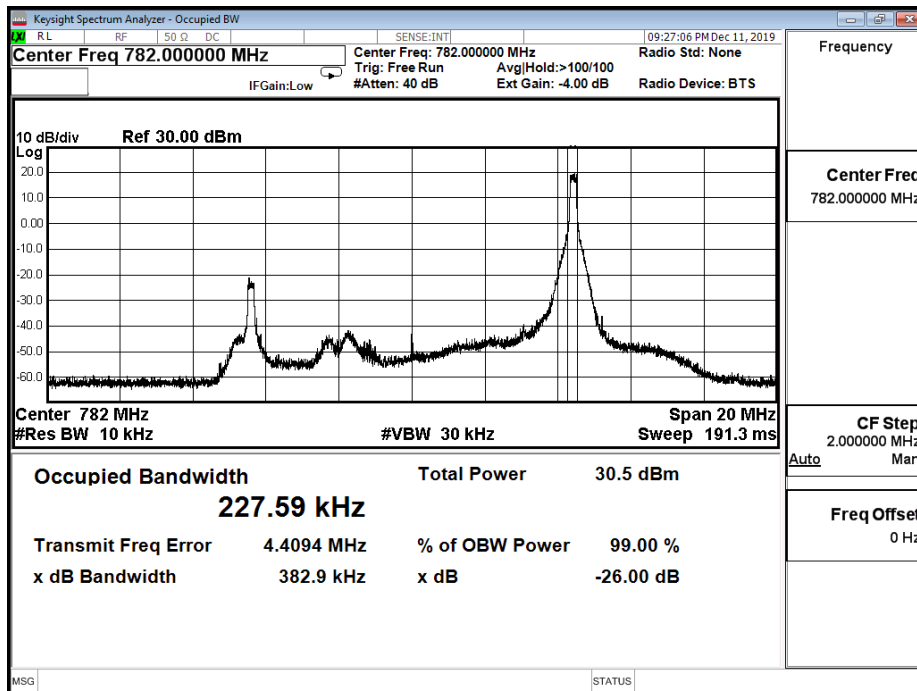
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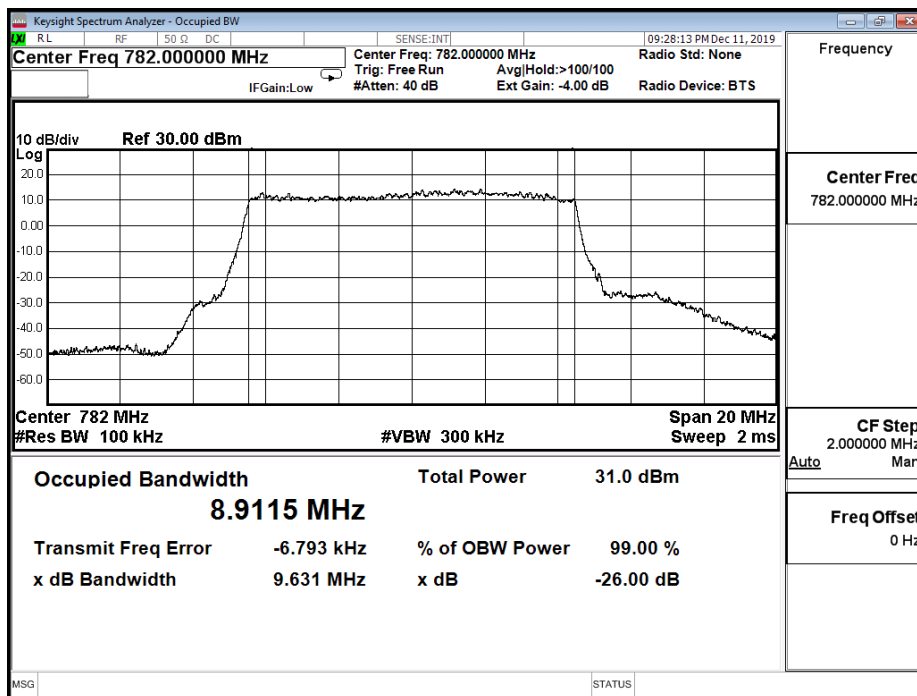
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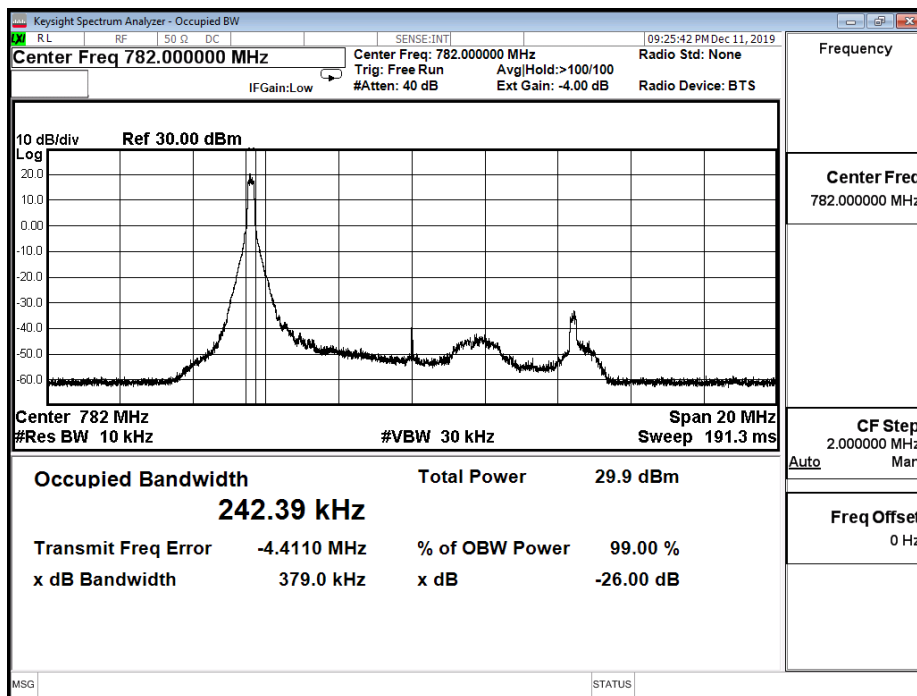
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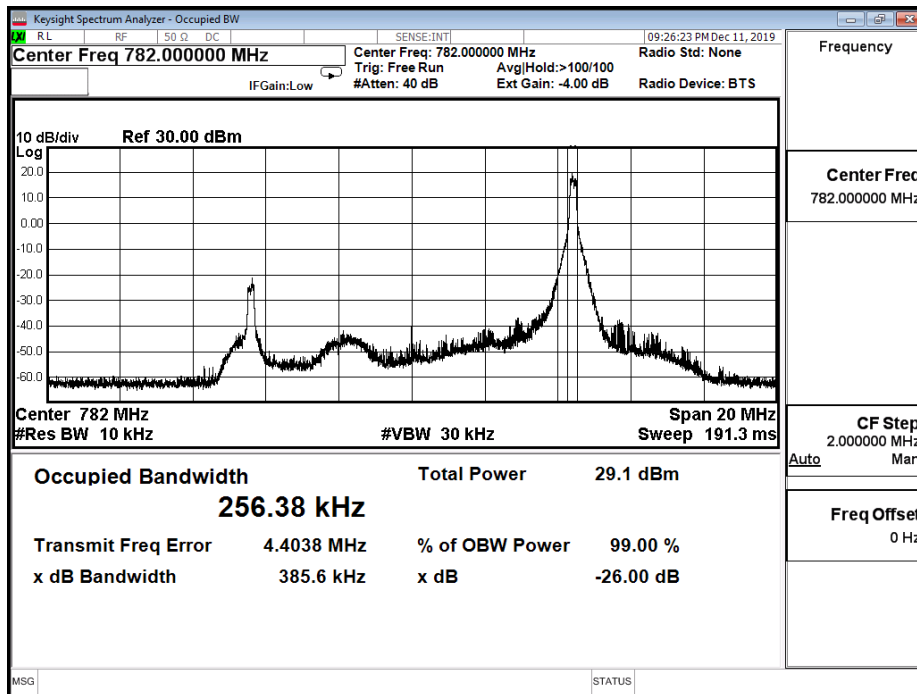
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