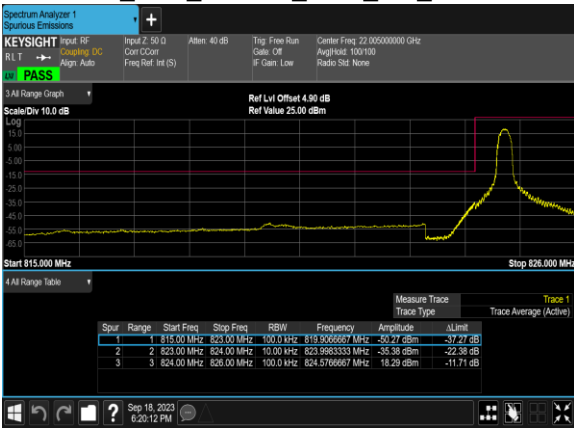
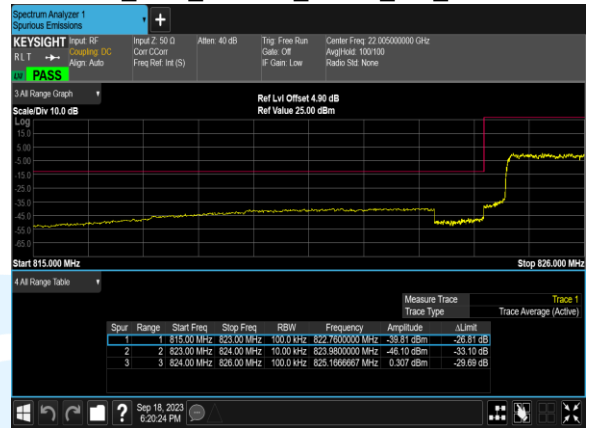


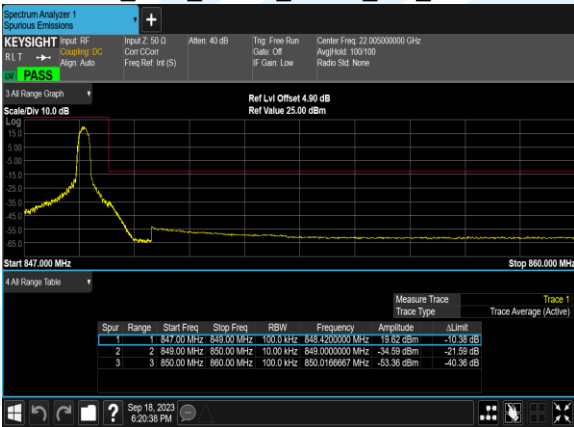
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B26\_10M\_16QAM\_50@0\_CH\_26840



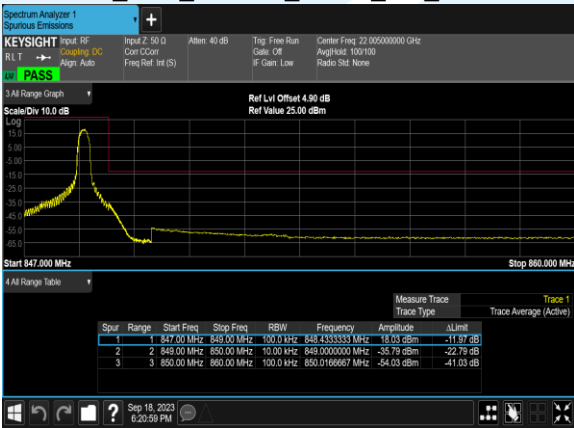
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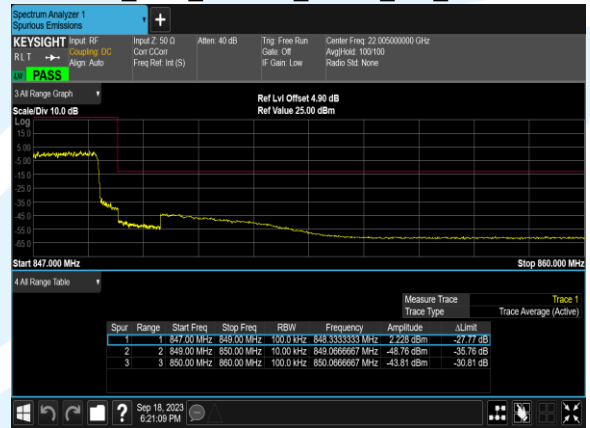
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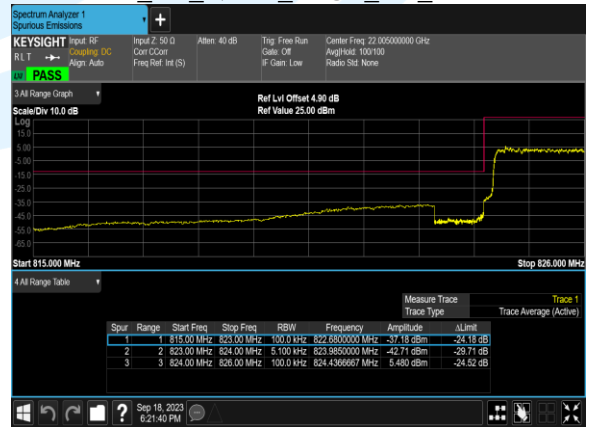
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B26\_5M\_QPSK\_1@0\_CH\_26815



B26\_5M\_QPSK\_25@0\_CH\_26815



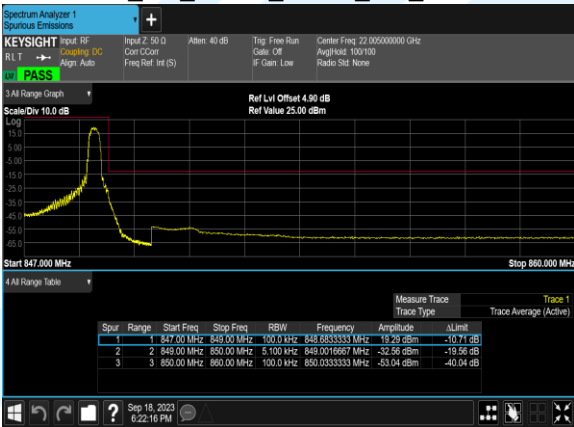
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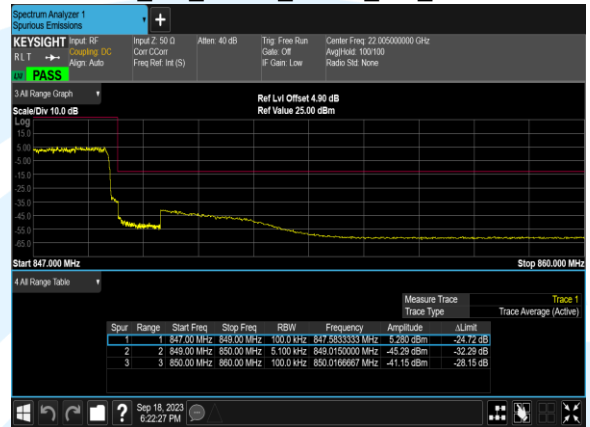
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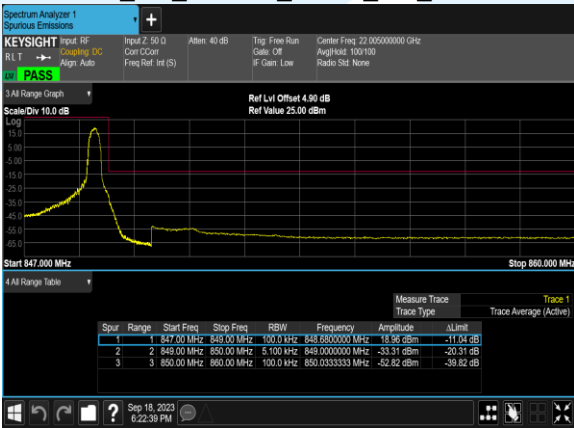
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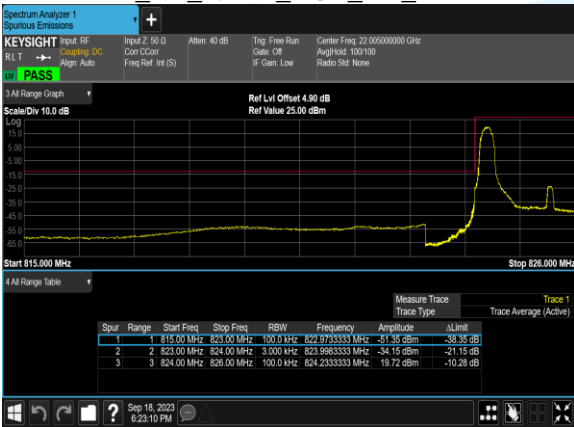
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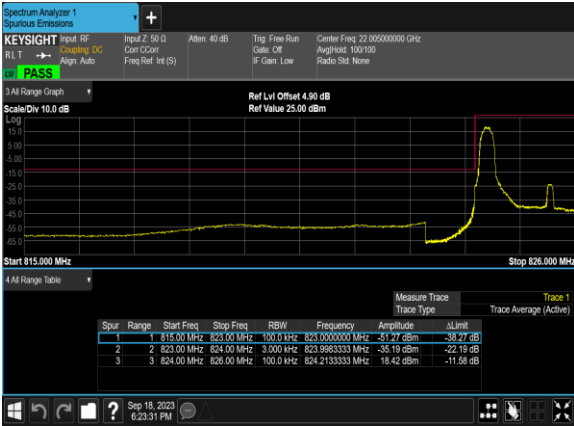
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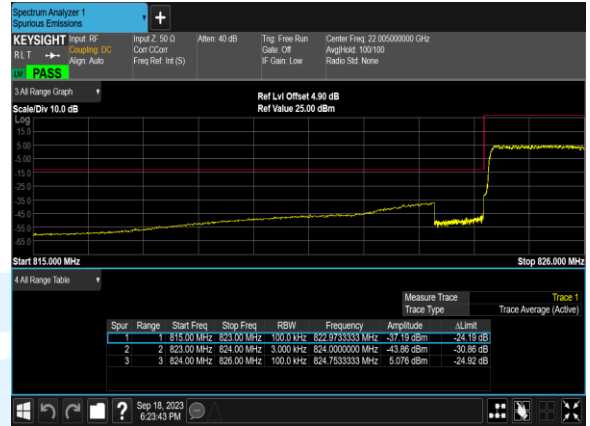
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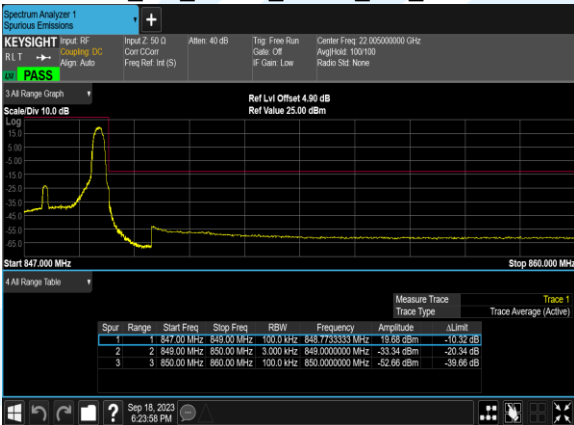
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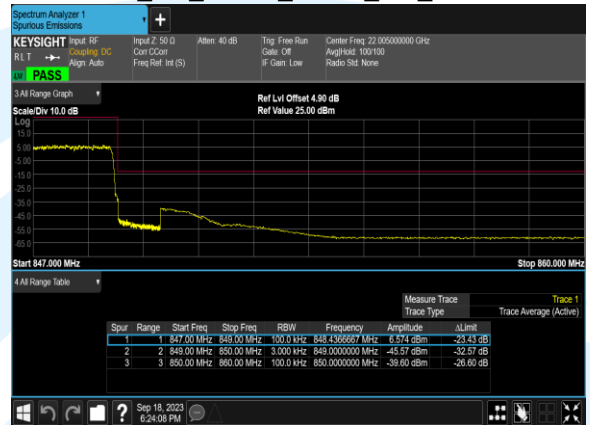
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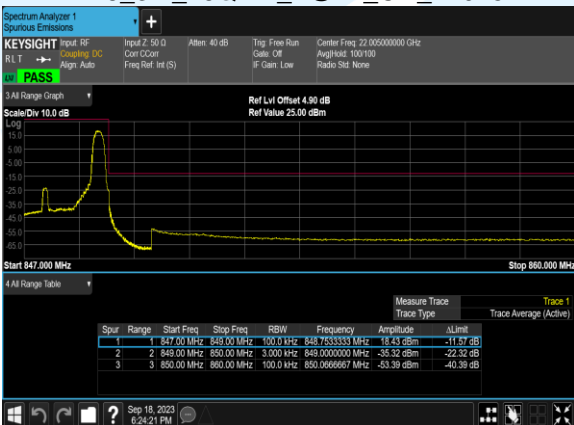
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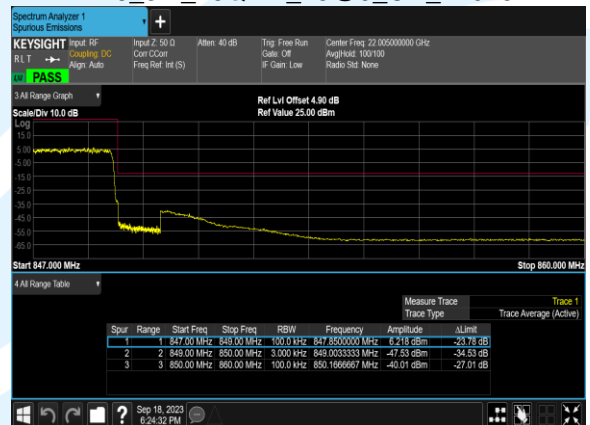
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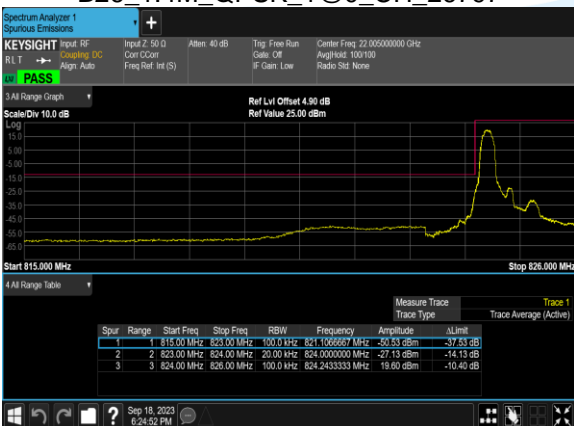
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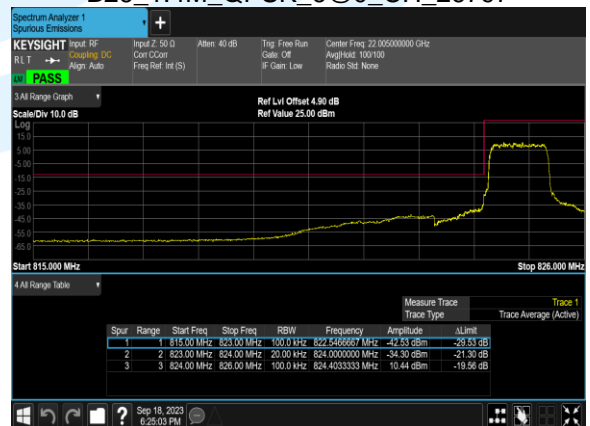
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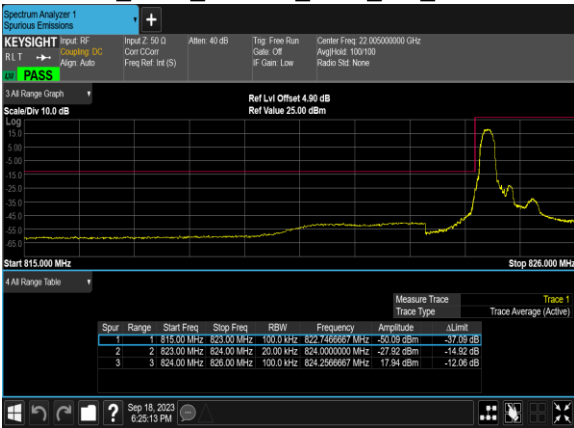
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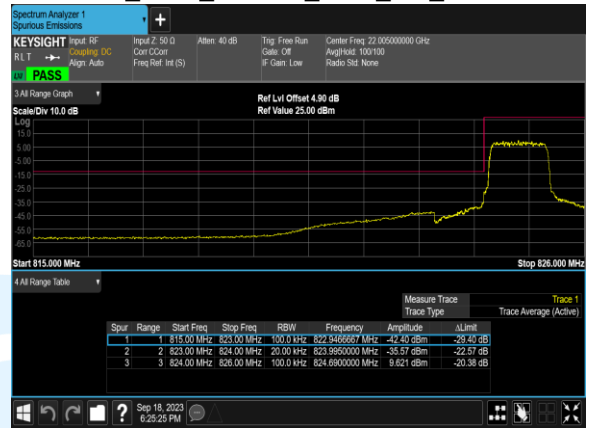
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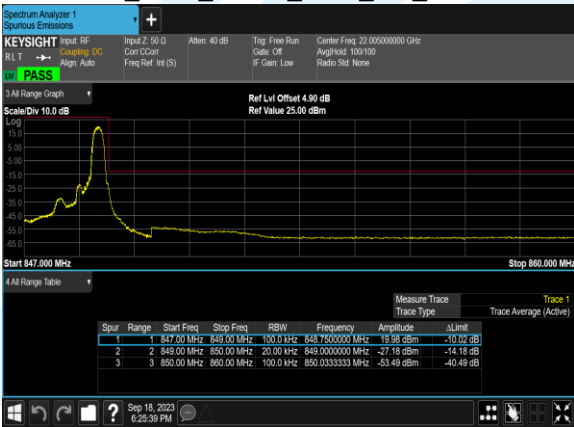
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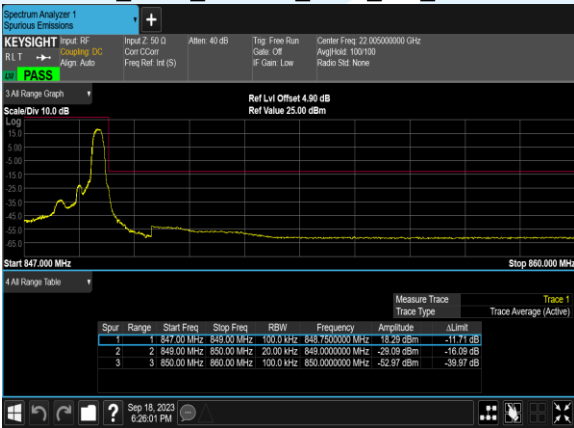
B26\_1.4M\_QPSK\_1@5\_CH\_27033



B26\_1.4M\_QPSK\_6@0\_CH\_27033



B26\_1.4M\_16QAM\_1@5\_CH\_27033



B26\_1.4M\_16QAM\_6@0\_CH\_27033



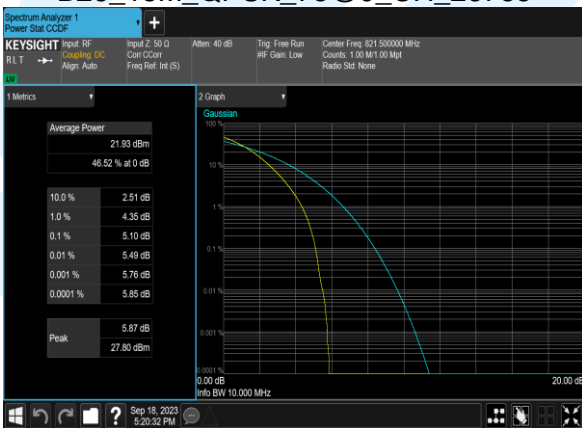
### A.8 LTE BAND 26 (PART 90S)

#### Peak to Average Ratio

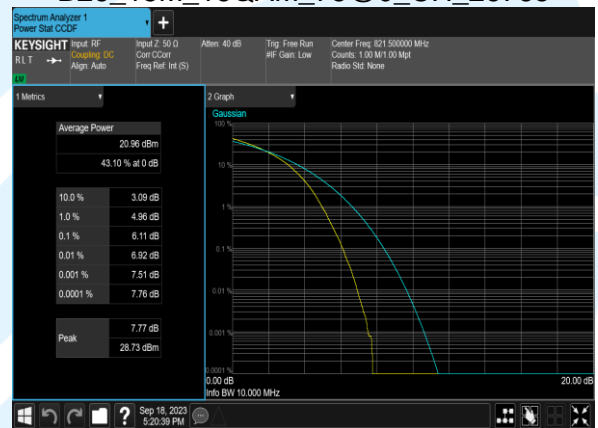
| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB   | Result (dB) | Limit (dB) | Verdict |
|------|-----------------|---------|------------|------------|------|-------------|------------|---------|
| 26   | 15.0            | 26765   | 821.5      | QPSK       | 75@0 | 5.10        | 13         | PASS    |
| 26   | 15.0            | 26765   | 821.5      | 16QAM      | 75@0 | 6.11        | 13         | PASS    |
| 26   | 10.0            | 26740   | 819.0      | QPSK       | 50@0 | 5.58        | 13         | PASS    |
| 26   | 10.0            | 26740   | 819.0      | 16QAM      | 50@0 | 6.30        | 13         | PASS    |
| 26   | 5.0             | 26715   | 816.5      | QPSK       | 25@0 | 5.75        | 13         | PASS    |
| 26   | 5.0             | 26715   | 816.5      | 16QAM      | 25@0 | 6.39        | 13         | PASS    |
| 26   | 5.0             | 26740   | 819.0      | QPSK       | 25@0 | 5.56        | 13         | PASS    |
| 26   | 5.0             | 26740   | 819.0      | 16QAM      | 25@0 | 6.28        | 13         | PASS    |
| 26   | 5.0             | 26765   | 821.5      | QPSK       | 25@0 | 5.60        | 13         | PASS    |
| 26   | 5.0             | 26765   | 821.5      | 16QAM      | 25@0 | 6.31        | 13         | PASS    |
| 26   | 3.0             | 26705   | 815.5      | QPSK       | 15@0 | 5.78        | 13         | PASS    |
| 26   | 3.0             | 26705   | 815.5      | 16QAM      | 15@0 | 6.42        | 13         | PASS    |
| 26   | 3.0             | 26740   | 819.0      | QPSK       | 15@0 | 5.43        | 13         | PASS    |
| 26   | 3.0             | 26740   | 819.0      | 16QAM      | 15@0 | 6.25        | 13         | PASS    |
| 26   | 3.0             | 26775   | 822.5      | QPSK       | 15@0 | 5.67        | 13         | PASS    |
| 26   | 3.0             | 26775   | 822.5      | 16QAM      | 15@0 | 6.42        | 13         | PASS    |
| 26   | 1.4             | 26697   | 814.7      | QPSK       | 6@0  | 5.68        | 13         | PASS    |
| 26   | 1.4             | 26697   | 814.7      | 16QAM      | 6@0  | 6.44        | 13         | PASS    |
| 26   | 1.4             | 26740   | 819.0      | QPSK       | 6@0  | 5.42        | 13         | PASS    |
| 26   | 1.4             | 26740   | 819.0      | 16QAM      | 6@0  | 6.22        | 13         | PASS    |
| 26   | 1.4             | 26783   | 823.3      | QPSK       | 6@0  | 5.63        | 13         | PASS    |
| 26   | 1.4             | 26783   | 823.3      | 16QAM      | 6@0  | 6.53        | 13         | PASS    |

#### Test Graphs

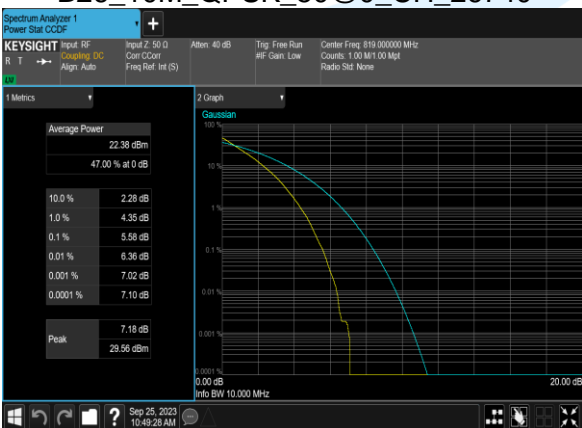
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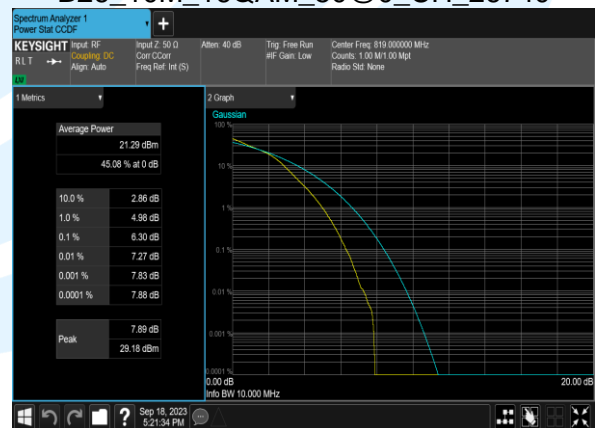
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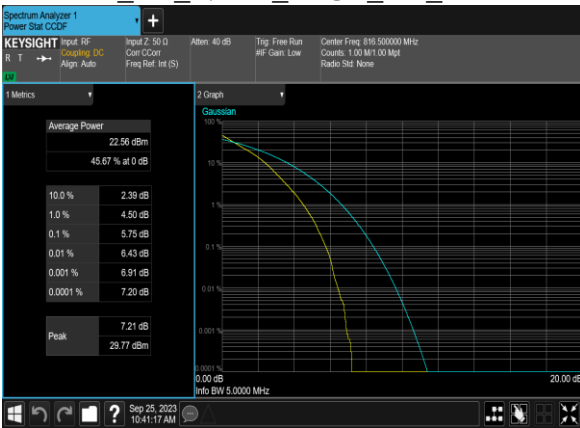
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B26\_10M\_16QAM\_50@0\_CH\_26740



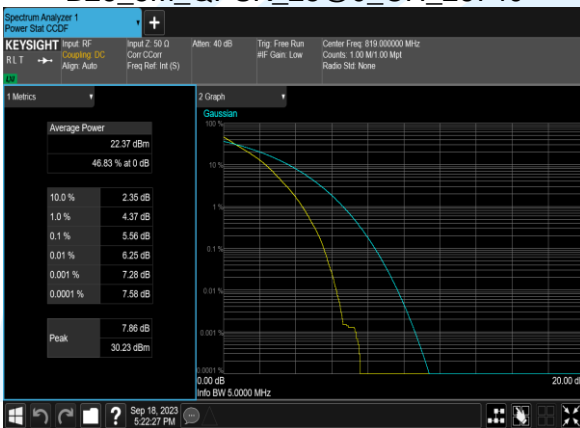
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B26\_5M\_16QAM\_25@0\_CH\_26715



B26\_5M\_QPSK\_25@0\_CH\_26740



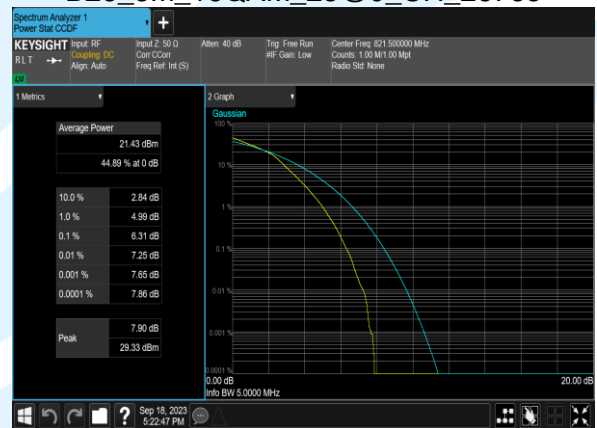
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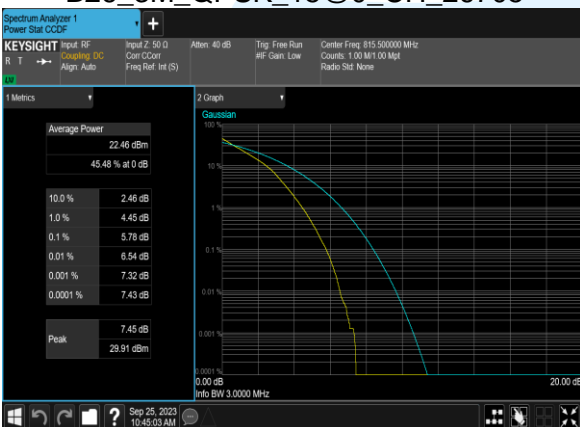
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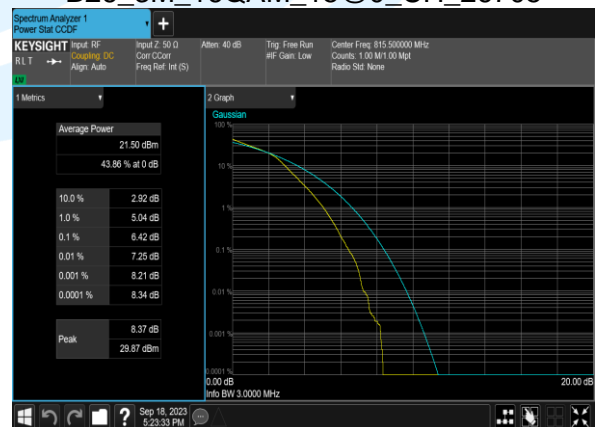
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B26\_3M\_QPSK\_15@0\_CH\_26705



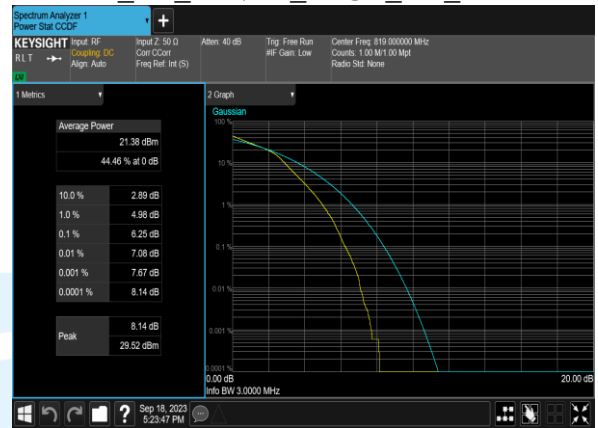
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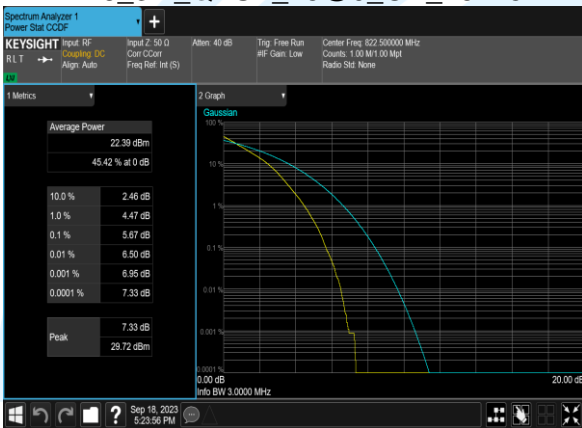
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B26\_3M\_16QAM\_15@0\_CH\_26740



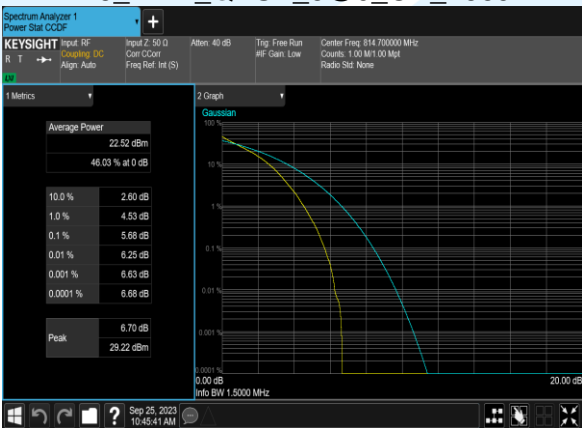
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B26\_3M\_16QAM\_15@0\_CH\_26775



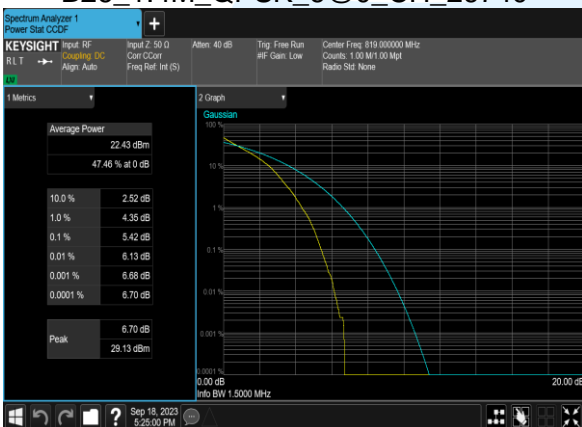
B26\_1.4M\_QPSK\_6@0\_CH\_26697



B26\_1.4M\_16QAM\_6@0\_CH\_26697



B26\_1.4M\_QPSK\_6@0\_CH\_26740



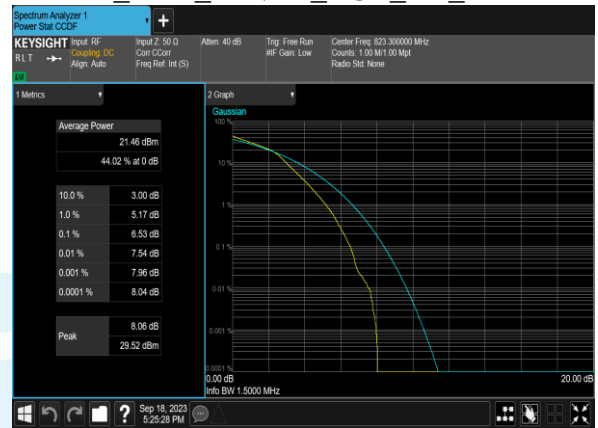
B26\_1.4M\_16QAM\_6@0\_CH\_26740



B26\_1.4M\_QPSK\_6@0\_CH\_26783



B26\_1.4M\_16QAM\_6@0\_CH\_26783



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<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1



## Occupied Bandwidth

| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB   | OBW (MHz) | 26dB BW (MHz) |
|------|-----------------|---------|------------|------------|------|-----------|---------------|
| 26   | 15.0            | 26765   | 821.5      | QPSK       | 75@0 | 13.336    | 14.09         |
| 26   | 15.0            | 26765   | 821.5      | 16QAM      | 75@0 | 13.329    | 14.03         |
| 26   | 10.0            | 26740   | 819.0      | QPSK       | 50@0 | 8.9146    | 9.392         |
| 26   | 10.0            | 26740   | 819.0      | 16QAM      | 50@0 | 8.9089    | 9.415         |
| 26   | 5.0             | 26715   | 816.5      | QPSK       | 25@0 | 4.4480    | 4.763         |
| 26   | 5.0             | 26715   | 816.5      | 16QAM      | 25@0 | 4.4573    | 4.815         |
| 26   | 5.0             | 26740   | 819.0      | QPSK       | 25@0 | 4.4524    | 4.763         |
| 26   | 5.0             | 26740   | 819.0      | 16QAM      | 25@0 | 4.4445    | 4.796         |
| 26   | 5.0             | 26765   | 821.5      | QPSK       | 25@0 | 4.4506    | 4.787         |
| 26   | 5.0             | 26765   | 821.5      | 16QAM      | 25@0 | 4.4500    | 4.788         |
| 26   | 3.0             | 26705   | 815.5      | QPSK       | 15@0 | 2.6759    | 2.856         |
| 26   | 3.0             | 26705   | 815.5      | 16QAM      | 15@0 | 2.6783    | 2.829         |
| 26   | 3.0             | 26740   | 819.0      | QPSK       | 15@0 | 2.6766    | 2.840         |
| 26   | 3.0             | 26740   | 819.0      | 16QAM      | 15@0 | 2.6613    | 2.826         |
| 26   | 3.0             | 26775   | 822.5      | QPSK       | 15@0 | 2.6774    | 2.835         |
| 26   | 3.0             | 26775   | 822.5      | 16QAM      | 15@0 | 2.6770    | 2.830         |
| 26   | 1.4             | 26697   | 814.7      | QPSK       | 6@0  | 1.0801    | 1.243         |
| 26   | 1.4             | 26697   | 814.7      | 16QAM      | 6@0  | 1.0778    | 1.240         |
| 26   | 1.4             | 26740   | 819.0      | QPSK       | 6@0  | 1.0753    | 1.232         |
| 26   | 1.4             | 26740   | 819.0      | 16QAM      | 6@0  | 1.0789    | 1.240         |
| 26   | 1.4             | 26783   | 823.3      | QPSK       | 6@0  | 1.0775    | 1.245         |
| 26   | 1.4             | 26783   | 823.3      | 16QAM      | 6@0  | 1.0738    | 1.222         |

## Test Graphs

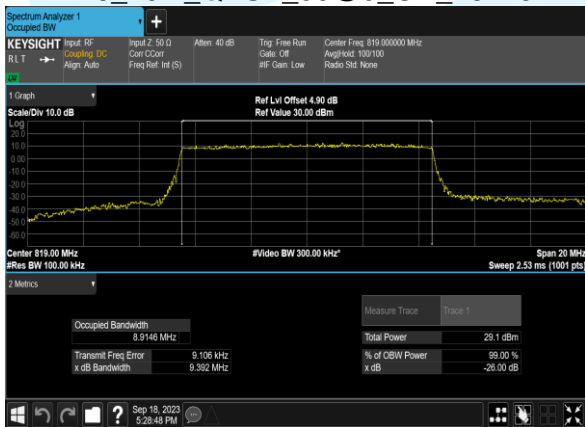
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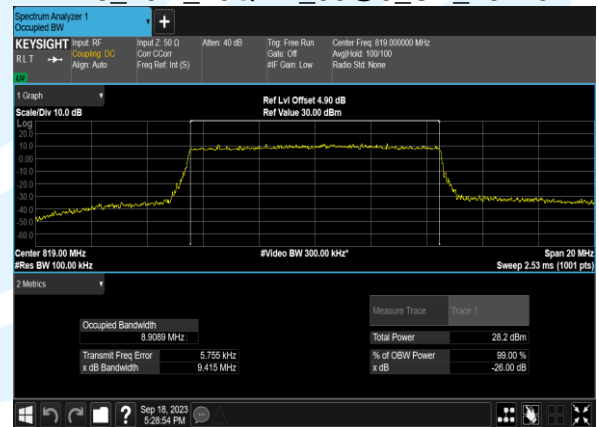
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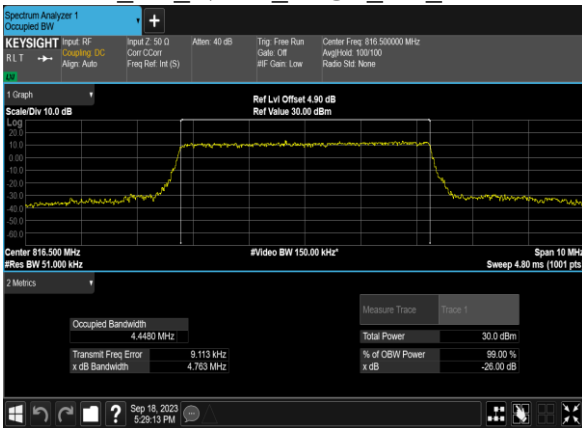
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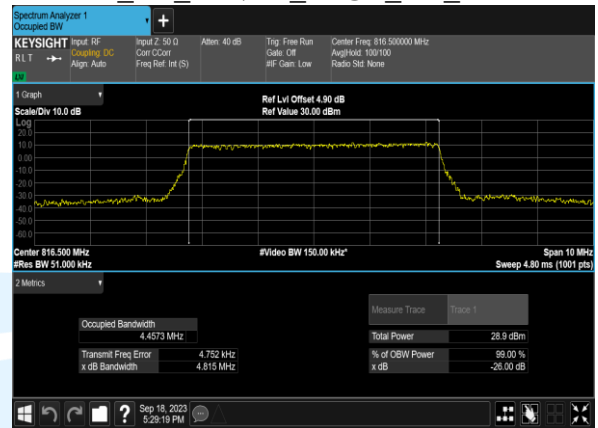
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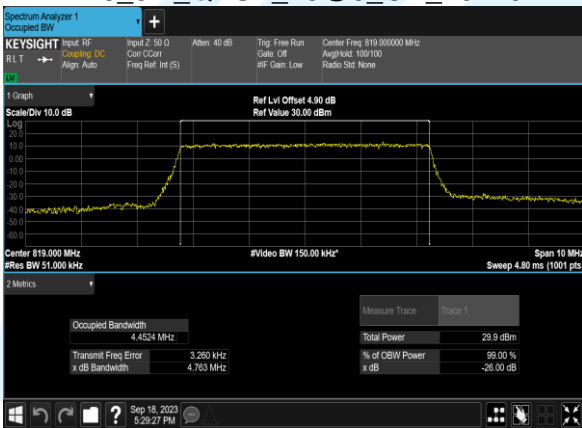
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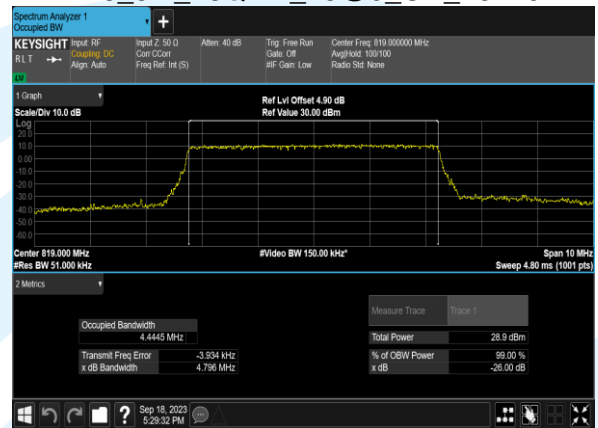
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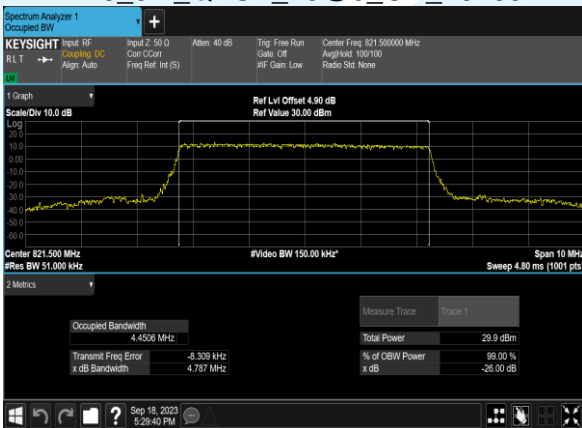
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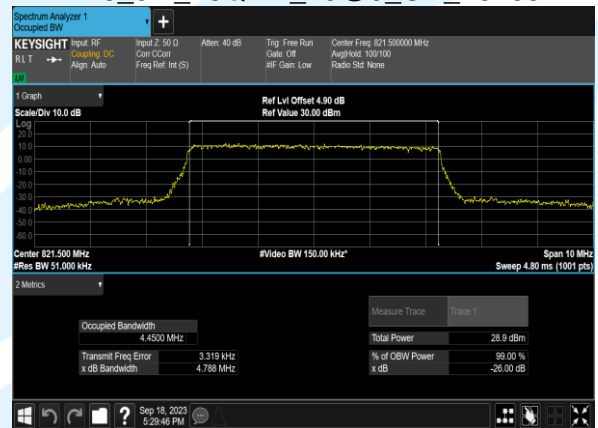
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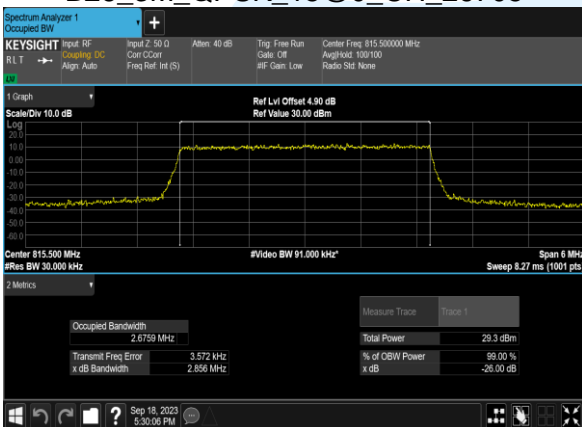
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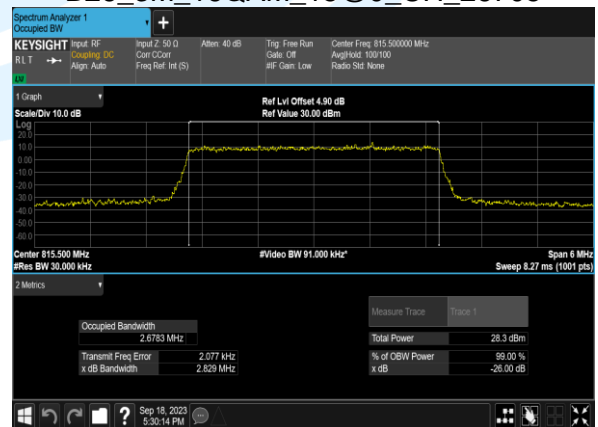
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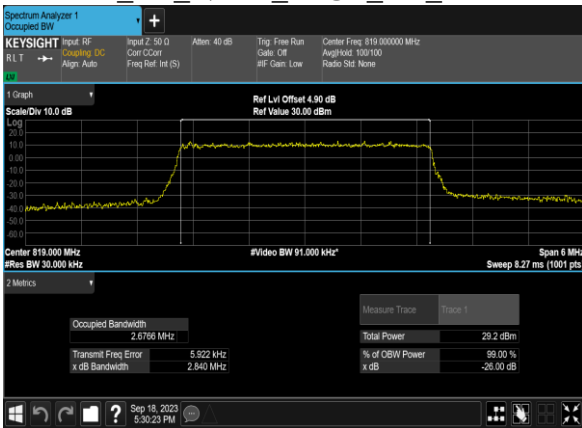
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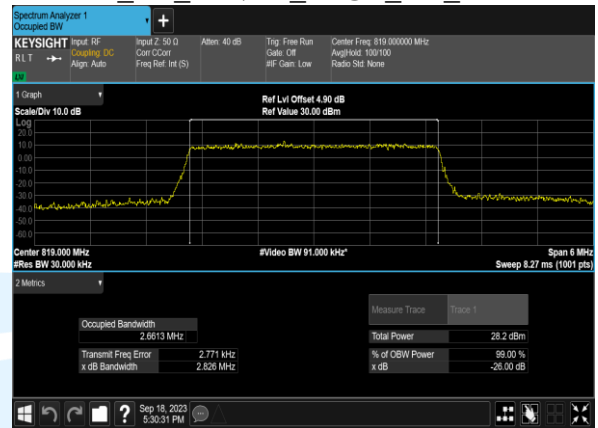
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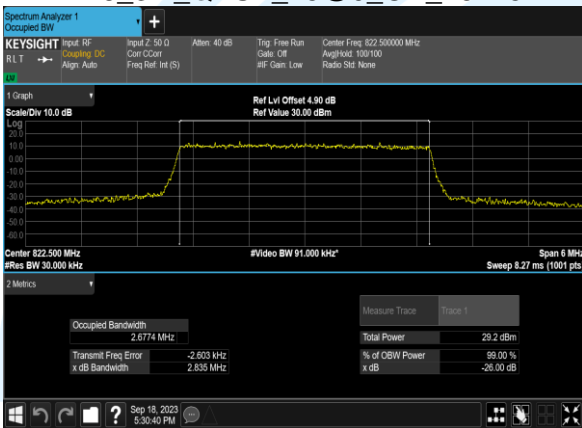
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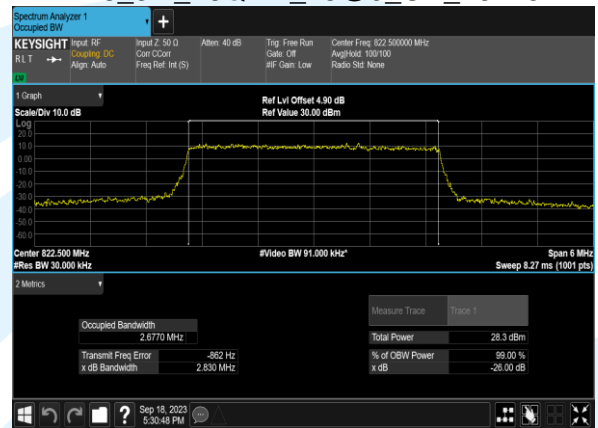
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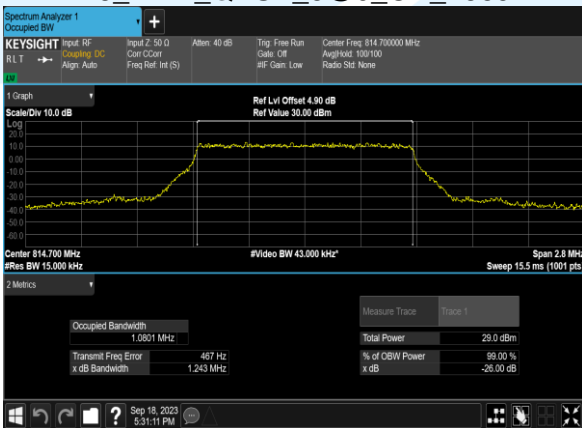
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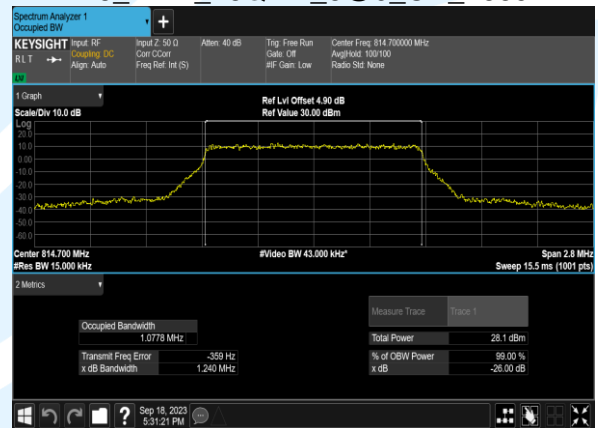
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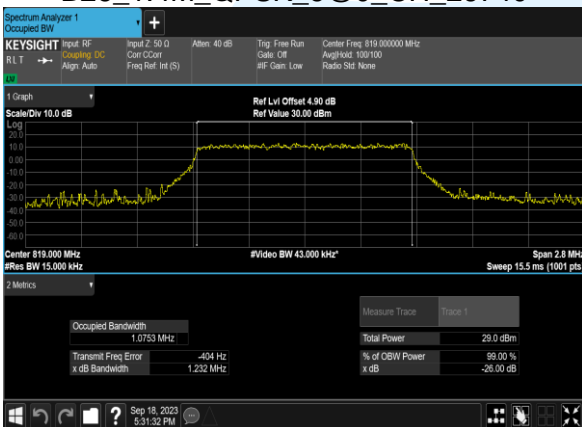
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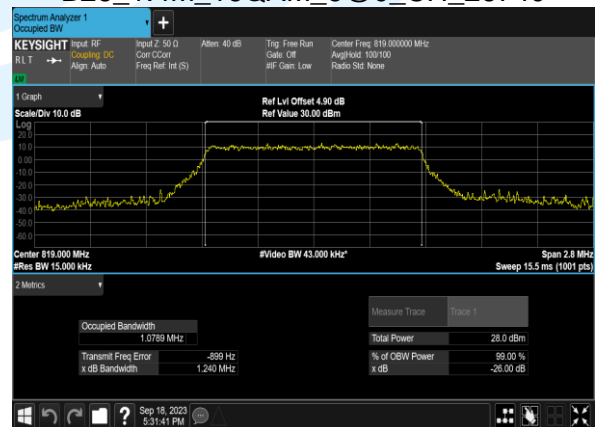
B26\_1.4M\_16QAM\_6@0\_CH\_26697



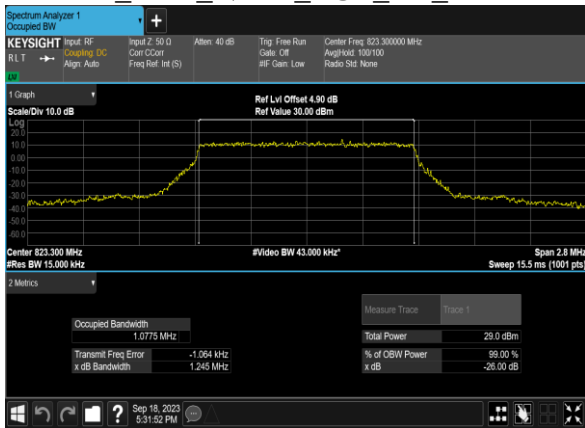
B26\_1.4M\_QPSK\_6@0\_CH\_26740



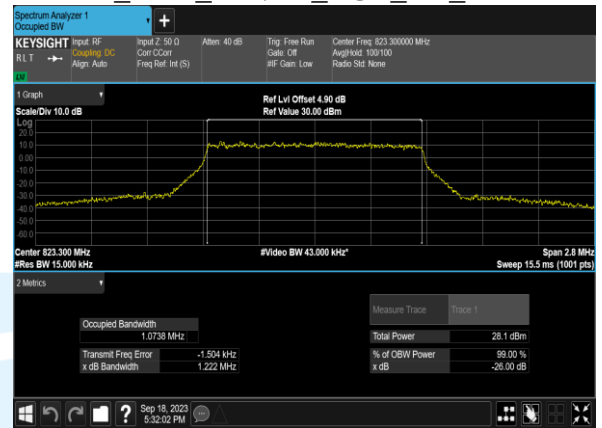
B26\_1.4M\_16QAM\_6@0\_CH\_26740



B26\_1.4M\_QPSK\_6@0\_CH\_26783



B26\_1.4M\_16QAM\_6@0\_CH\_26783



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UTTR-RF-FCC4G-V1.1

## Conducted Spurious Emissions

| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB  | Result (dBm) | Limit (dBm) | Verdict |
|------|-----------------|---------|------------|------------|-----|--------------|-------------|---------|
| 26   | 15.0            | 26765   | 821.5      | QPSK       | 1@0 | -30.9        | -13         | PASS    |
| 26   | 15.0            | 26765   | 821.5      | 16QAM      | 1@0 | -29.95       | -13         | PASS    |
| 26   | 10.0            | 26740   | 819.0      | QPSK       | 1@0 | -30.74       | -13         | PASS    |
| 26   | 10.0            | 26740   | 819.0      | 16QAM      | 1@0 | -31.02       | -13         | PASS    |
| 26   | 5.0             | 26715   | 816.5      | QPSK       | 1@0 | -30.77       | -13         | PASS    |
| 26   | 5.0             | 26715   | 816.5      | 16QAM      | 1@0 | -30.85       | -13         | PASS    |
| 26   | 5.0             | 26740   | 819.0      | QPSK       | 1@0 | -30.32       | -13         | PASS    |
| 26   | 5.0             | 26740   | 819.0      | 16QAM      | 1@0 | -30.65       | -13         | PASS    |
| 26   | 5.0             | 26765   | 821.5      | QPSK       | 1@0 | -30.97       | -13         | PASS    |
| 26   | 5.0             | 26765   | 821.5      | 16QAM      | 1@0 | -31.07       | -13         | PASS    |
| 26   | 3.0             | 26705   | 815.5      | QPSK       | 1@0 | -30.52       | -13         | PASS    |
| 26   | 3.0             | 26705   | 815.5      | 16QAM      | 1@0 | -30.73       | -13         | PASS    |
| 26   | 3.0             | 26740   | 819.0      | QPSK       | 1@0 | -31.29       | -13         | PASS    |
| 26   | 3.0             | 26740   | 819.0      | 16QAM      | 1@0 | -30.5        | -13         | PASS    |
| 26   | 3.0             | 26775   | 822.5      | QPSK       | 1@0 | -30.66       | -13         | PASS    |
| 26   | 3.0             | 26775   | 822.5      | 16QAM      | 1@0 | -31.11       | -13         | PASS    |
| 26   | 1.4             | 26697   | 814.7      | QPSK       | 1@0 | -31.17       | -13         | PASS    |
| 26   | 1.4             | 26697   | 814.7      | 16QAM      | 1@0 | -30.7        | -13         | PASS    |
| 26   | 1.4             | 26740   | 819.0      | QPSK       | 1@0 | -30.94       | -13         | PASS    |
| 26   | 1.4             | 26740   | 819.0      | 16QAM      | 1@0 | -30.87       | -13         | PASS    |
| 26   | 1.4             | 26783   | 823.3      | QPSK       | 1@0 | -30.85       | -13         | PASS    |
| 26   | 1.4             | 26783   | 823.3      | 16QAM      | 1@0 | -30.23       | -13         | PASS    |

## Test Graphs

B26\_15M\_QPSK\_1@0\_CH\_26765



B26\_15M\_16QAM\_1@0\_CH\_26765



B26\_10M\_QPSK\_1@0\_CH\_26740



B26\_10M\_16QAM\_1@0\_CH\_26740

