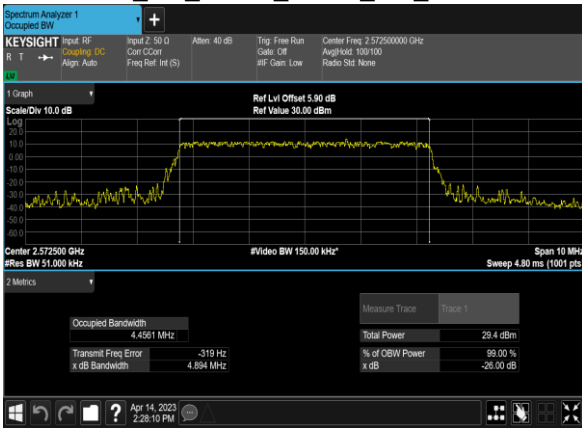


B38_5M_QPSK_25@0_CH_37775



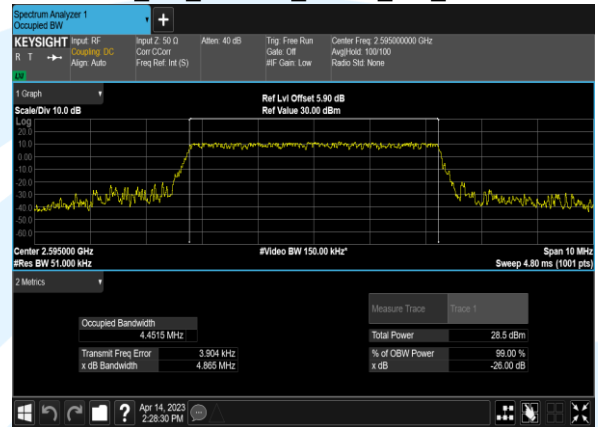
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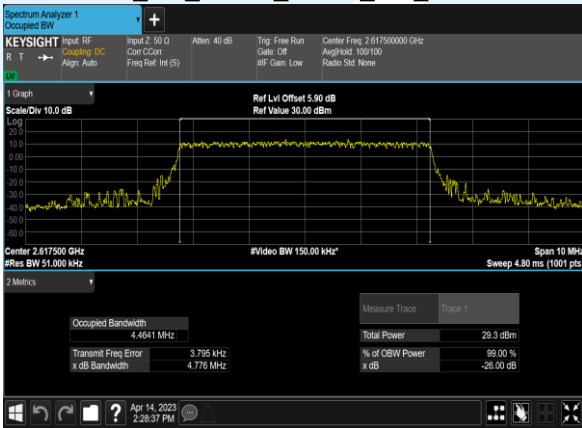
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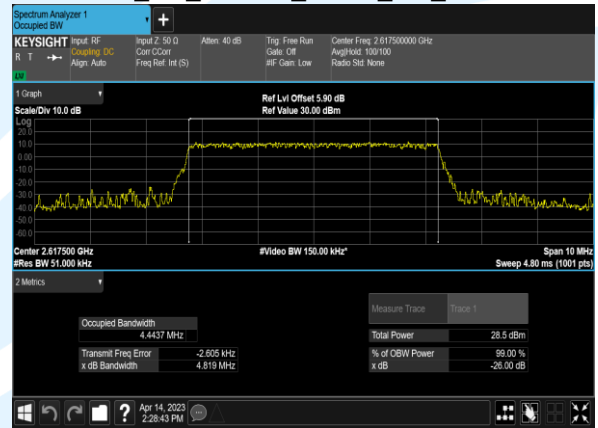
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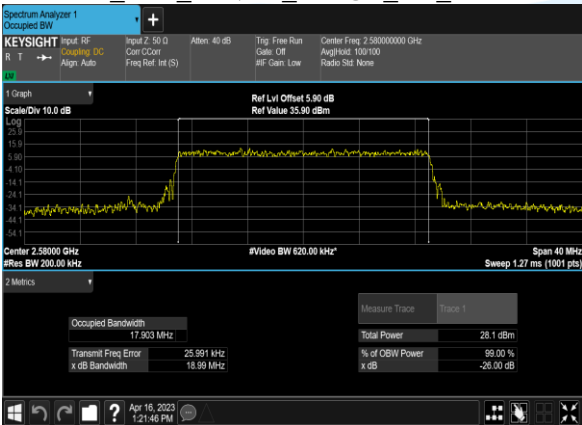
B38_5M_QPSK_25@0_CH_38225



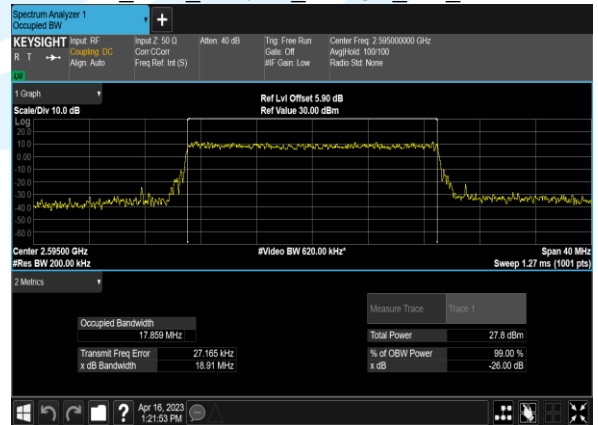
B38_5M_16QAM_25@0_CH_38225



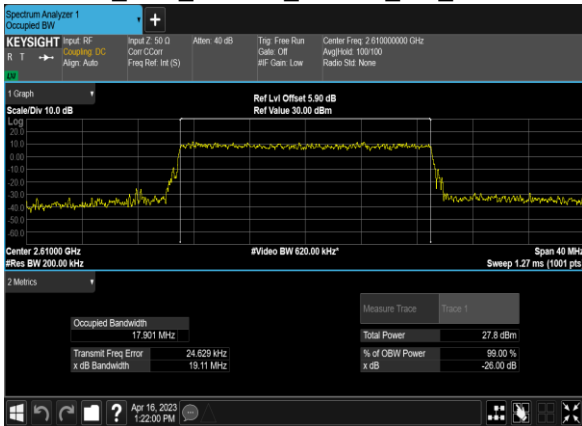
B38_20M_64QAM_100@0_CH_37850



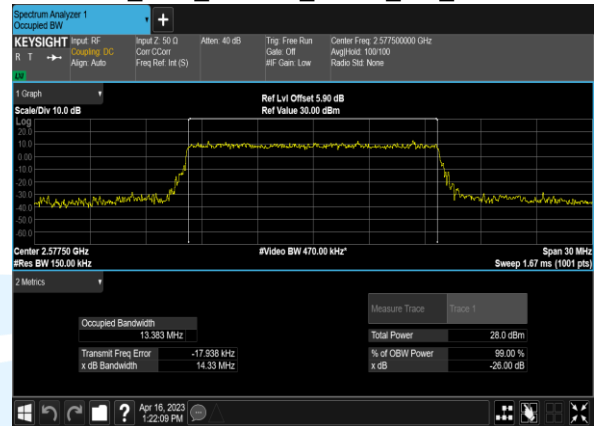
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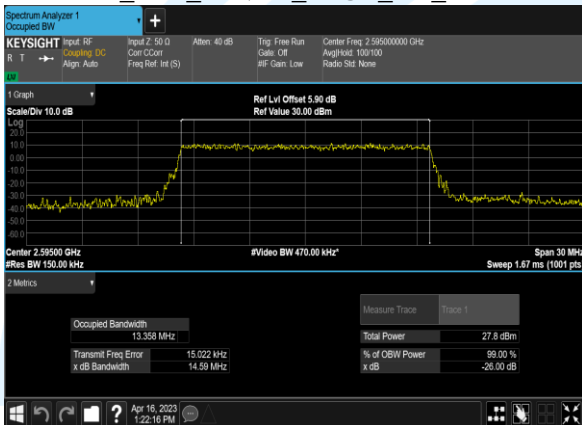
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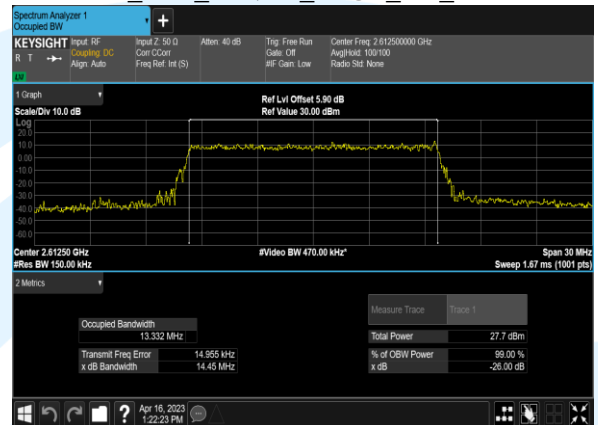
B38_15M_64QAM_75@0_CH_37825



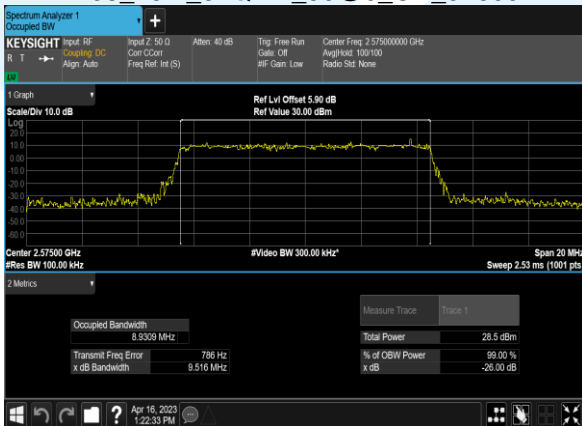
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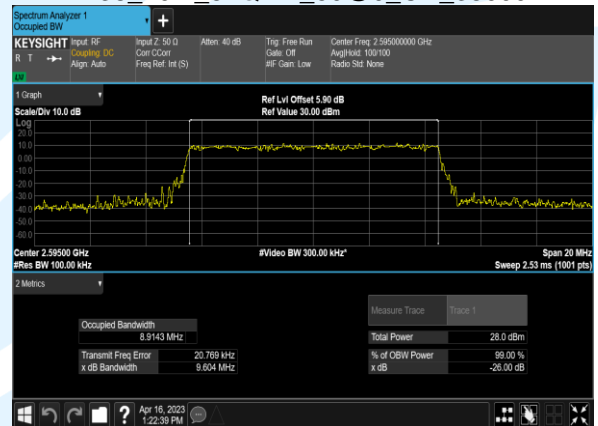
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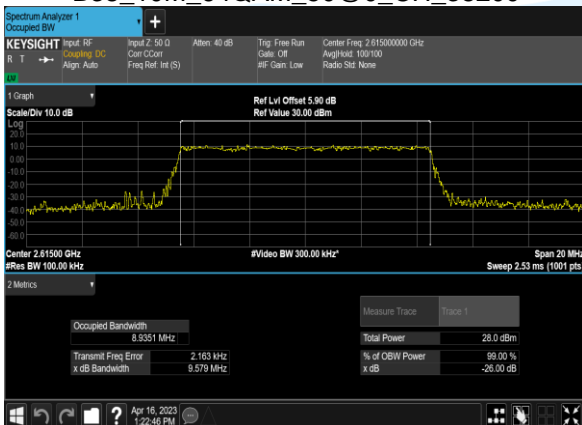
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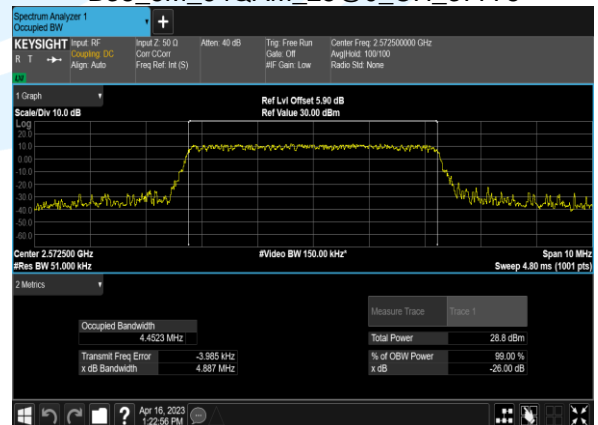
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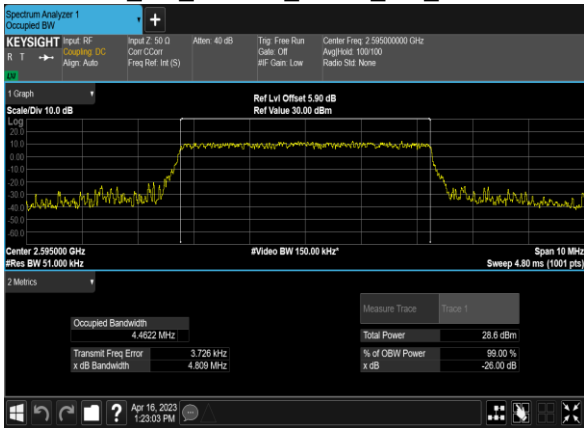
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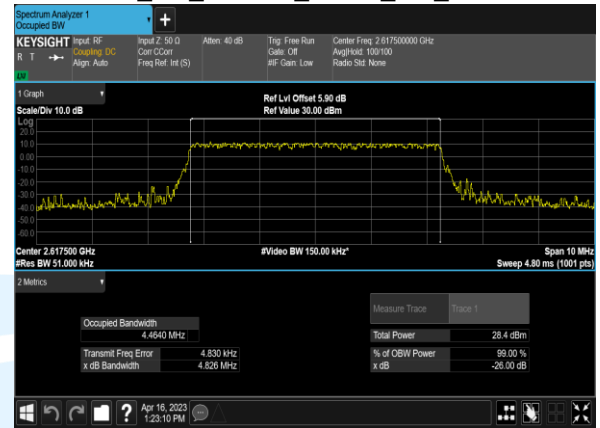
B38_5M_64QAM_25@0_CH_37775



B38_5M_64QAM_25@0_CH_38000



B38_5M_64QAM_25@0_CH_38225



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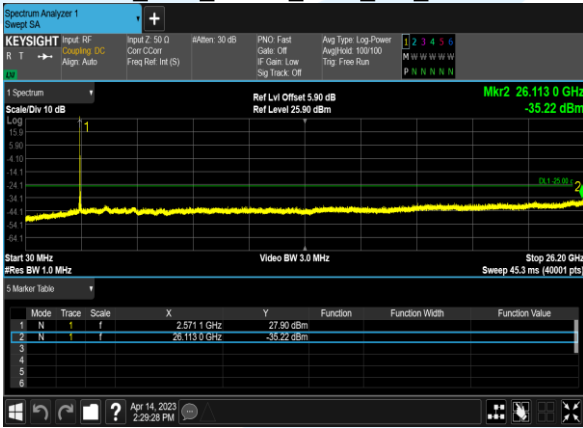
UTTR-RF-FCC4G-V1.1

Conducted Spurious Emissions

| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB | Result (dBm) | Limit (dBm) | Verdict |
|------|-----------------|---------|------------|------------|-----|--------------|-------------|---------|
| 38 | 20.0 | 37850 | 2580.0 | QPSK | 1@0 | -35.22 | -25 | PASS |
| 38 | 20.0 | 37850 | 2580.0 | 16QAM | 1@0 | -35.46 | -25 | PASS |
| 38 | 20.0 | 38000 | 2595.0 | QPSK | 1@0 | -35.42 | -25 | PASS |
| 38 | 20.0 | 38000 | 2595.0 | 16QAM | 1@0 | -35.17 | -25 | PASS |
| 38 | 20.0 | 38150 | 2610.0 | QPSK | 1@0 | -33.59 | -25 | PASS |
| 38 | 20.0 | 38150 | 2610.0 | 16QAM | 1@0 | -35.45 | -25 | PASS |
| 38 | 15.0 | 37825 | 2577.5 | QPSK | 1@0 | -34.83 | -25 | PASS |
| 38 | 15.0 | 37825 | 2577.5 | 16QAM | 1@0 | -35.43 | -25 | PASS |
| 38 | 15.0 | 38000 | 2595.0 | QPSK | 1@0 | -35.12 | -25 | PASS |
| 38 | 15.0 | 38000 | 2595.0 | 16QAM | 1@0 | -34.92 | -25 | PASS |
| 38 | 15.0 | 38175 | 2612.5 | QPSK | 1@0 | -35.08 | -25 | PASS |
| 38 | 15.0 | 38175 | 2612.5 | 16QAM | 1@0 | -34.29 | -25 | PASS |
| 38 | 10.0 | 37800 | 2575.0 | QPSK | 1@0 | -34.6 | -25 | PASS |
| 38 | 10.0 | 37800 | 2575.0 | 16QAM | 1@0 | -34.11 | -25 | PASS |
| 38 | 10.0 | 38000 | 2595.0 | QPSK | 1@0 | -34.78 | -25 | PASS |
| 38 | 10.0 | 38000 | 2595.0 | 16QAM | 1@0 | -35.43 | -25 | PASS |
| 38 | 10.0 | 38200 | 2615.0 | QPSK | 1@0 | -35.72 | -25 | PASS |
| 38 | 10.0 | 38200 | 2615.0 | 16QAM | 1@0 | -34.92 | -25 | PASS |
| 38 | 5.0 | 37775 | 2572.5 | QPSK | 1@0 | -35.19 | -25 | PASS |
| 38 | 5.0 | 37775 | 2572.5 | 16QAM | 1@0 | -35.56 | -25 | PASS |
| 38 | 5.0 | 38000 | 2595.0 | QPSK | 1@0 | -34.98 | -25 | PASS |
| 38 | 5.0 | 38000 | 2595.0 | 16QAM | 1@0 | -34.93 | -25 | PASS |
| 38 | 5.0 | 38225 | 2617.5 | QPSK | 1@0 | -35.36 | -25 | PASS |
| 38 | 5.0 | 38225 | 2617.5 | 16QAM | 1@0 | -35.34 | -25 | PASS |
| 38 | 20.0 | 37850 | 2580.0 | 64QAM | 1@0 | -35.13 | -25 | PASS |
| 38 | 20.0 | 38000 | 2595.0 | 64QAM | 1@0 | -34.57 | -25 | PASS |
| 38 | 20.0 | 38150 | 2610.0 | 64QAM | 1@0 | -35.54 | -25 | PASS |
| 38 | 15.0 | 37825 | 2577.5 | 64QAM | 1@0 | -35.34 | -25 | PASS |
| 38 | 15.0 | 38000 | 2595.0 | 64QAM | 1@0 | -35.43 | -25 | PASS |
| 38 | 15.0 | 38175 | 2612.5 | 64QAM | 1@0 | -35.81 | -25 | PASS |
| 38 | 10.0 | 37800 | 2575.0 | 64QAM | 1@0 | -35.33 | -25 | PASS |
| 38 | 10.0 | 38000 | 2595.0 | 64QAM | 1@0 | -34.76 | -25 | PASS |
| 38 | 10.0 | 38200 | 2615.0 | 64QAM | 1@0 | -35.06 | -25 | PASS |
| 38 | 5.0 | 37775 | 2572.5 | 64QAM | 1@0 | -35.28 | -25 | PASS |
| 38 | 5.0 | 38000 | 2595.0 | 64QAM | 1@0 | -34.32 | -25 | PASS |
| 38 | 5.0 | 38225 | 2617.5 | 64QAM | 1@0 | -35.37 | -25 | PASS |

Test Graphs

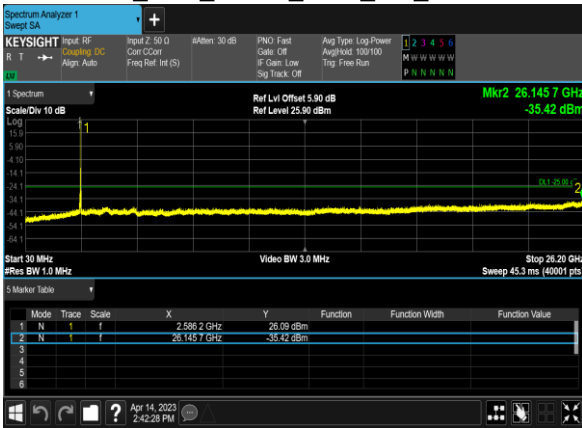
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B38_20M_16QAM_1@0_CH_37850



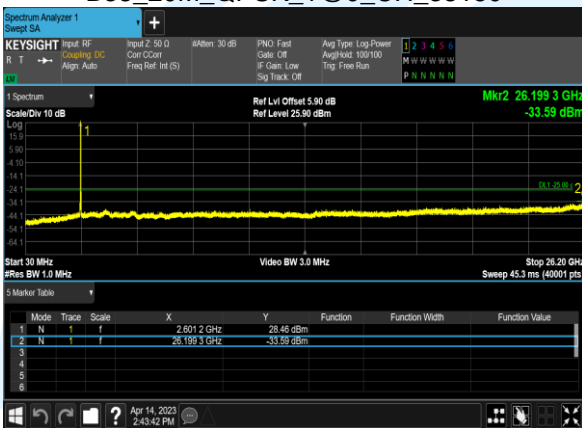
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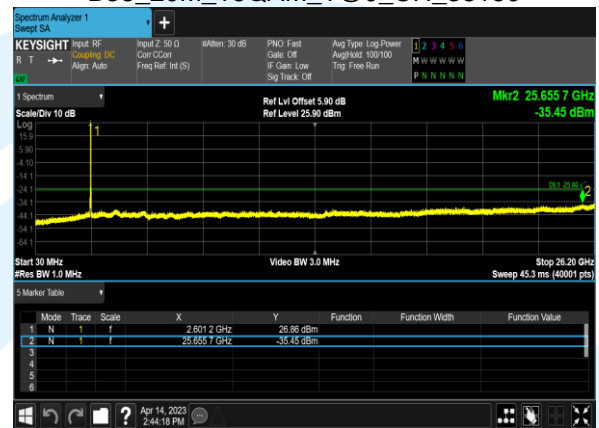
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B38_20M_QPSK_1@0_CH_38150



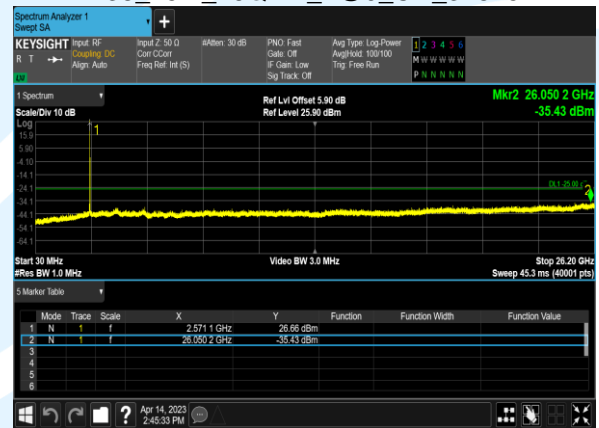
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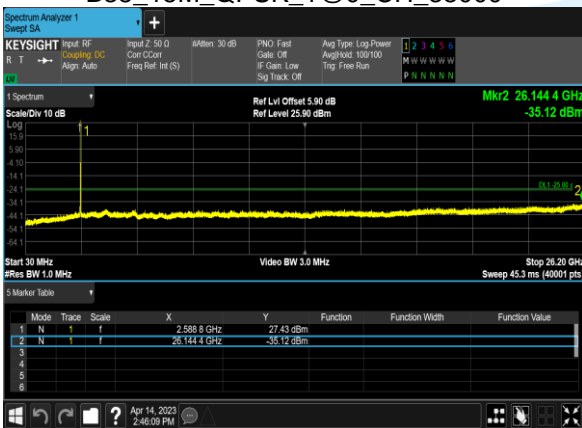
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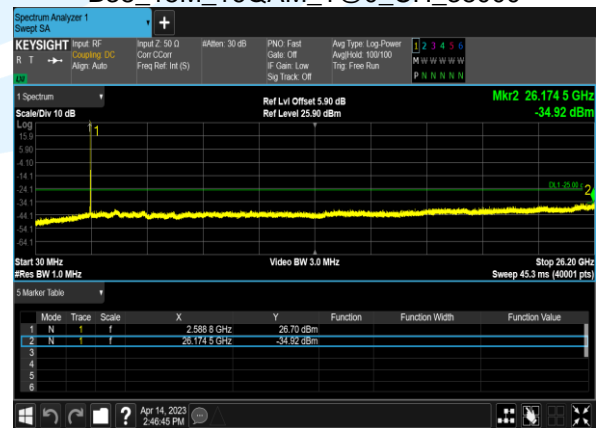
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B38_15M_QPSK_1@0_CH_38000



B38_15M_16QAM_1@0_CH_38000



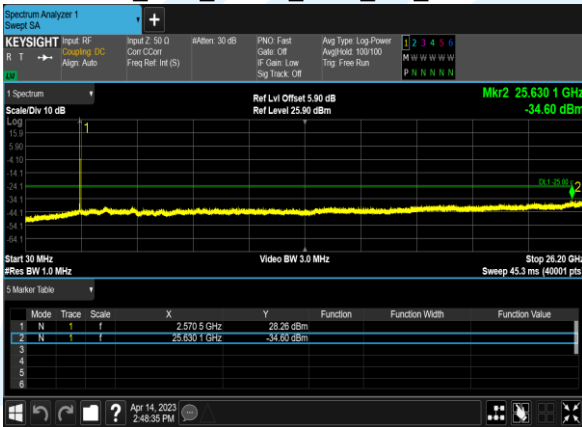
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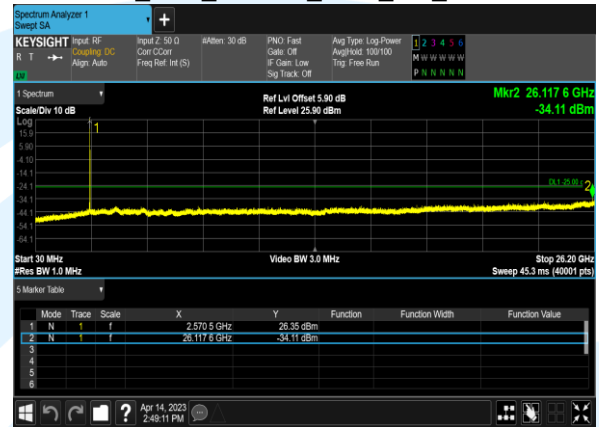
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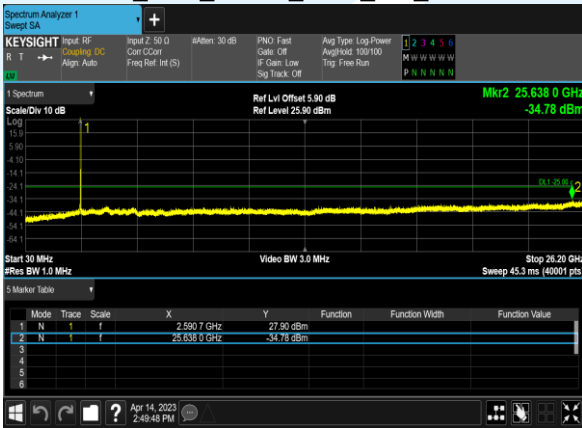
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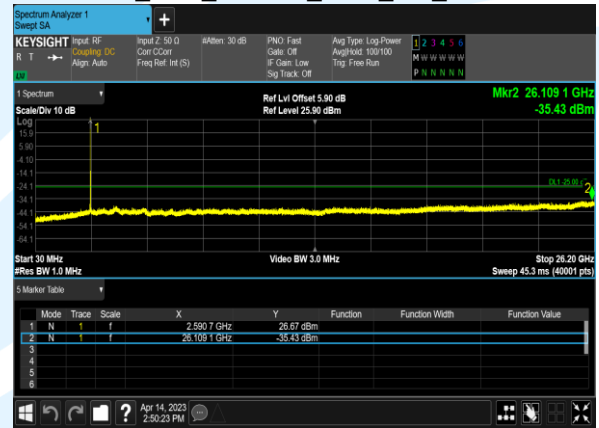
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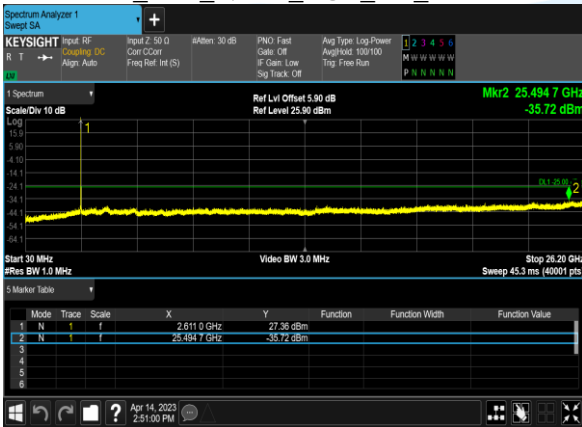
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B38_10M_16QAM_1@0_CH_38000



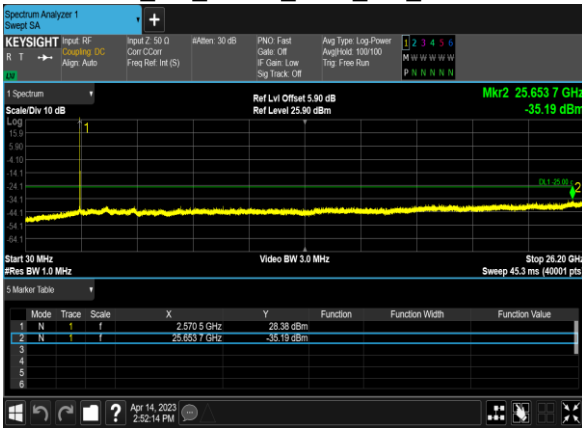
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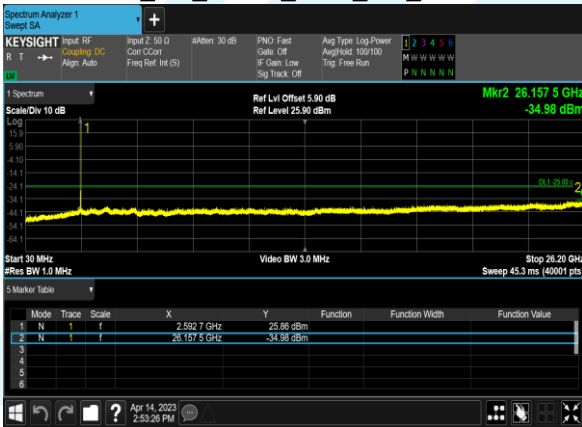
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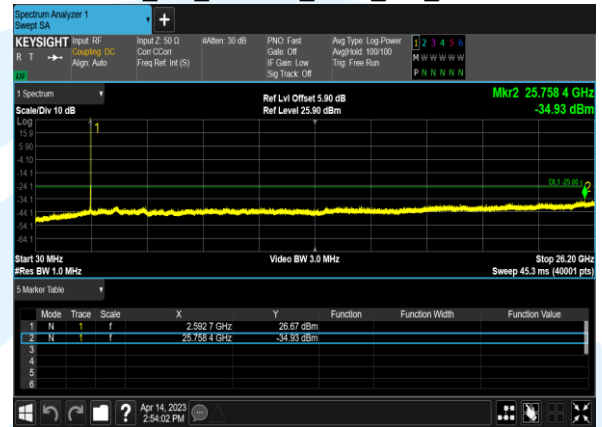
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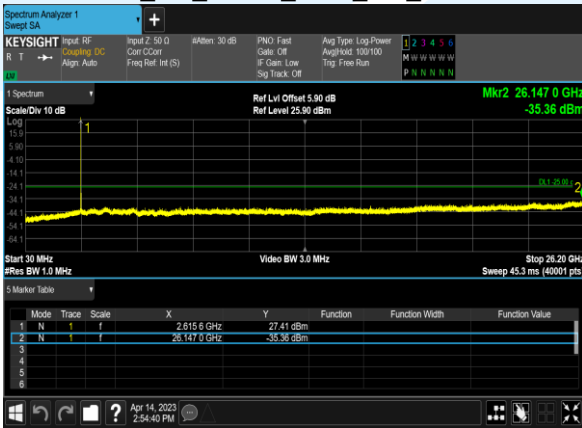
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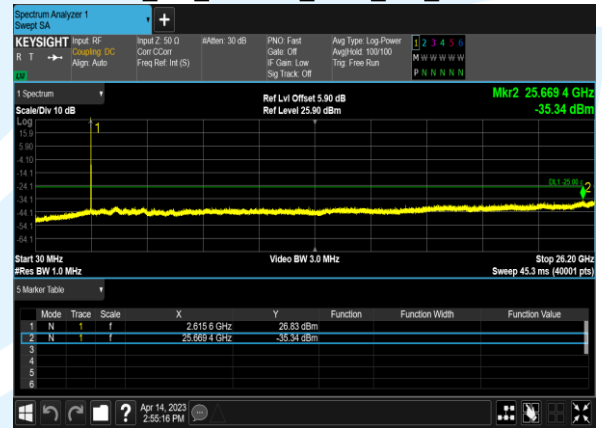
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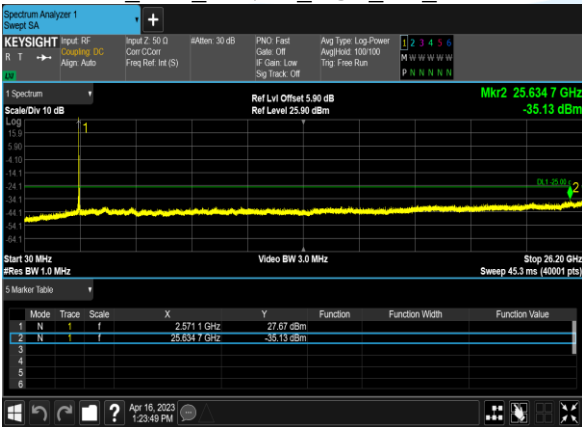
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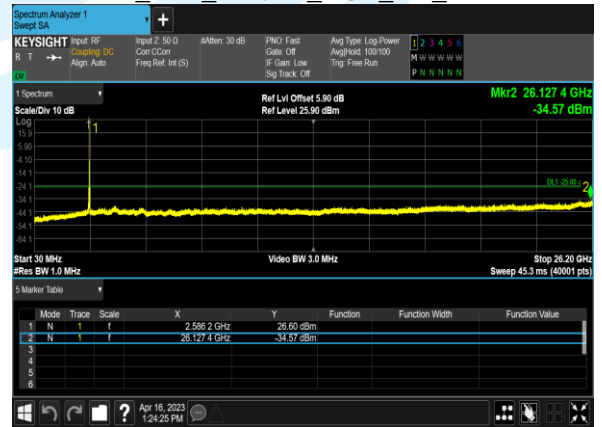
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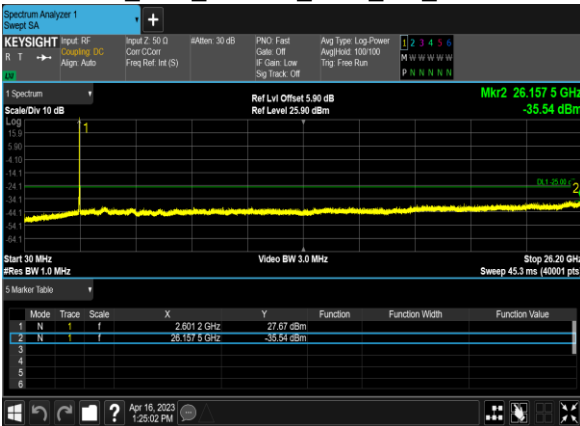
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B38_20M_64QAM_1@0_CH_38000



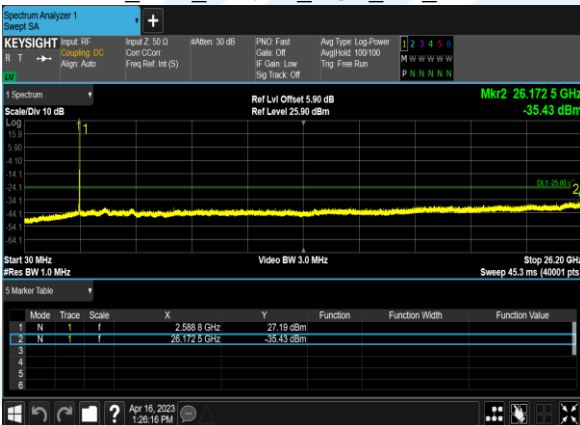
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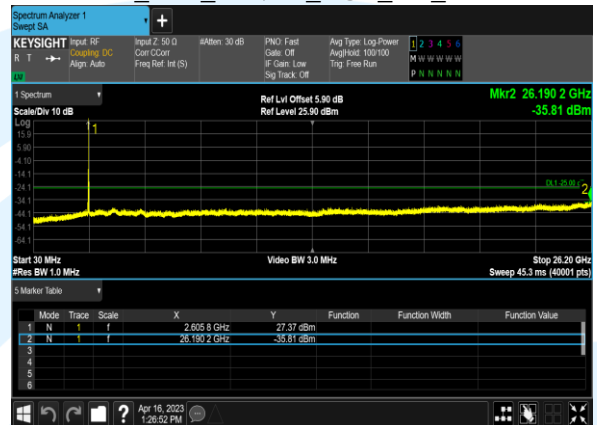
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B38_15M_64QAM_1@0_CH_38000



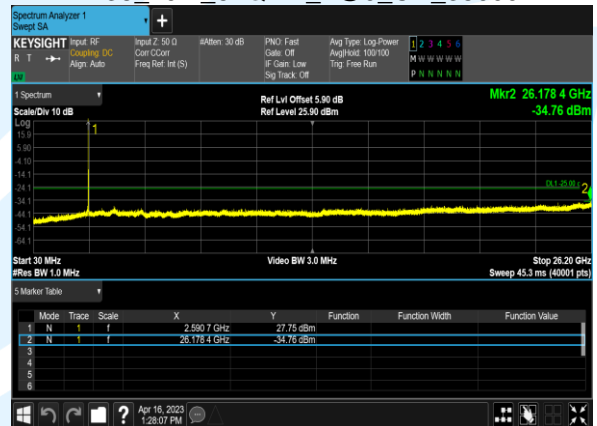
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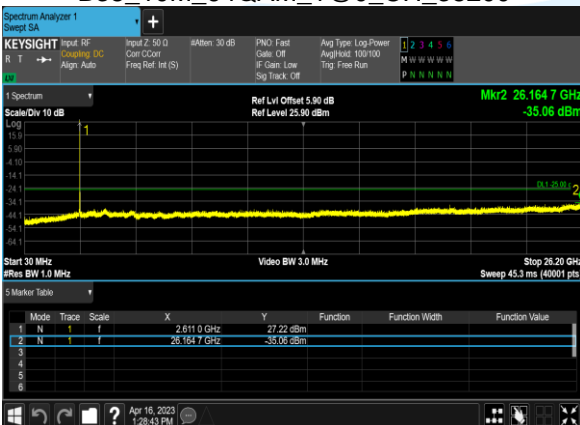
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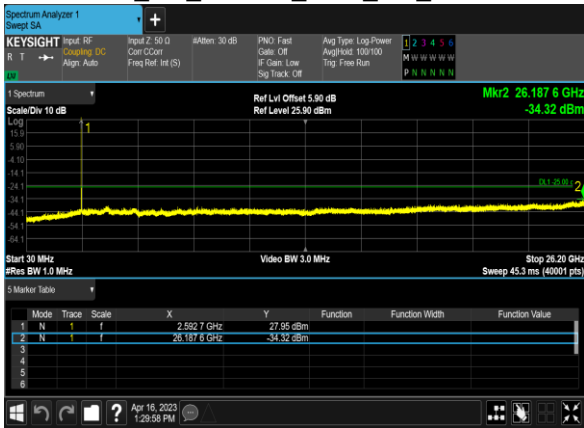
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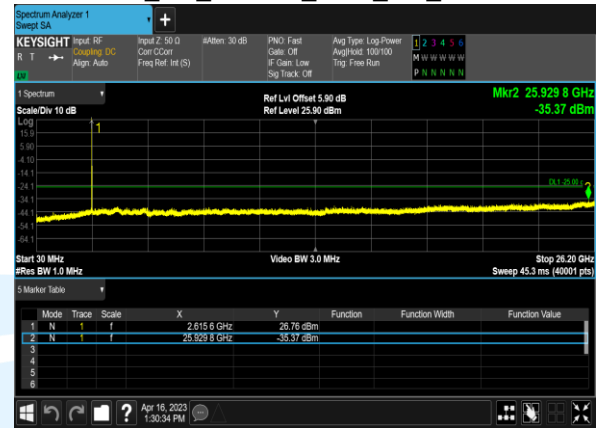
B38_5M_64QAM_1@0_CH_37775



B38_5M_64QAM_1@0_CH_38000



B38_5M_64QAM_1@0_CH_38225



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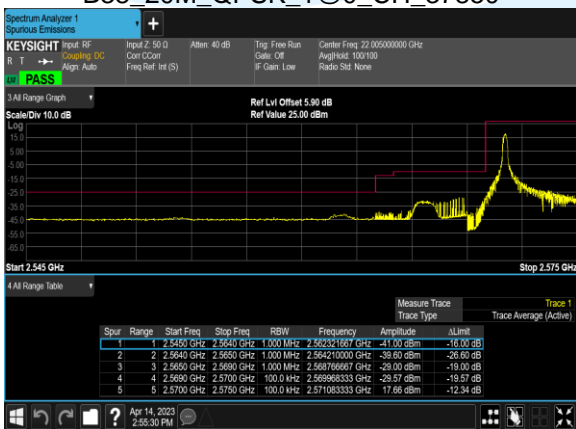
UTTR-RF-FCC4G-V1.1

Conducted Band Edge

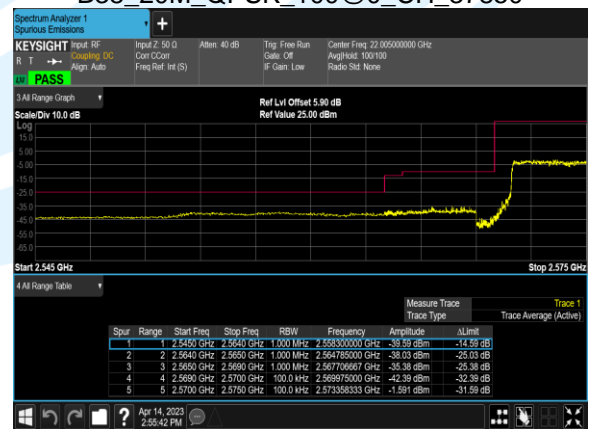
| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB | Result | Verdict |
|------|-----------------|---------|------------|------------|-------|-----------|---------|
| 38 | 20.0 | 37850 | 2580.0 | QPSK | 1@0 | see graph | PASS |
| 38 | 20.0 | 37850 | 2580.0 | QPSK | 100@0 | see graph | PASS |
| 38 | 20.0 | 37850 | 2580.0 | 16QAM | 1@0 | see graph | PASS |
| 38 | 20.0 | 37850 | 2580.0 | 16QAM | 100@0 | see graph | PASS |
| 38 | 20.0 | 38150 | 2610.0 | QPSK | 1@99 | see graph | PASS |
| 38 | 20.0 | 38150 | 2610.0 | QPSK | 100@0 | see graph | PASS |
| 38 | 20.0 | 38150 | 2610.0 | 16QAM | 1@99 | see graph | PASS |
| 38 | 20.0 | 38150 | 2610.0 | 16QAM | 100@0 | see graph | PASS |
| 38 | 15.0 | 37825 | 2577.5 | QPSK | 1@0 | see graph | PASS |
| 38 | 15.0 | 37825 | 2577.5 | QPSK | 75@0 | see graph | PASS |
| 38 | 15.0 | 37825 | 2577.5 | 16QAM | 1@0 | see graph | PASS |
| 38 | 15.0 | 37825 | 2577.5 | 16QAM | 75@0 | see graph | PASS |
| 38 | 15.0 | 38175 | 2612.5 | QPSK | 1@74 | see graph | PASS |
| 38 | 15.0 | 38175 | 2612.5 | QPSK | 75@0 | see graph | PASS |
| 38 | 15.0 | 38175 | 2612.5 | 16QAM | 1@74 | see graph | PASS |
| 38 | 15.0 | 38175 | 2612.5 | 16QAM | 75@0 | see graph | PASS |
| 38 | 10.0 | 37800 | 2575.0 | QPSK | 1@0 | see graph | PASS |
| 38 | 10.0 | 37800 | 2575.0 | QPSK | 50@0 | see graph | PASS |
| 38 | 10.0 | 37800 | 2575.0 | 16QAM | 1@0 | see graph | PASS |
| 38 | 10.0 | 37800 | 2575.0 | 16QAM | 50@0 | see graph | PASS |
| 38 | 10.0 | 38200 | 2615.0 | QPSK | 1@49 | see graph | PASS |
| 38 | 10.0 | 38200 | 2615.0 | QPSK | 50@0 | see graph | PASS |
| 38 | 10.0 | 38200 | 2615.0 | 16QAM | 1@49 | see graph | PASS |
| 38 | 10.0 | 38200 | 2615.0 | 16QAM | 50@0 | see graph | PASS |
| 38 | 5.0 | 37775 | 2572.5 | QPSK | 1@0 | see graph | PASS |
| 38 | 5.0 | 37775 | 2572.5 | QPSK | 25@0 | see graph | PASS |
| 38 | 5.0 | 37775 | 2572.5 | 16QAM | 1@0 | see graph | PASS |
| 38 | 5.0 | 37775 | 2572.5 | 16QAM | 25@0 | see graph | PASS |
| 38 | 5.0 | 38225 | 2617.5 | QPSK | 1@24 | see graph | PASS |
| 38 | 5.0 | 38225 | 2617.5 | QPSK | 25@0 | see graph | PASS |
| 38 | 5.0 | 38225 | 2617.5 | 16QAM | 1@24 | see graph | PASS |
| 38 | 5.0 | 38225 | 2617.5 | 16QAM | 25@0 | see graph | PASS |
| 38 | 20.0 | 37850 | 2580.0 | 64QAM | 1@0 | see graph | PASS |
| 38 | 20.0 | 37850 | 2580.0 | 64QAM | 100@0 | see graph | PASS |
| 38 | 20.0 | 38150 | 2610.0 | 64QAM | 1@99 | see graph | PASS |
| 38 | 20.0 | 38150 | 2610.0 | 64QAM | 100@0 | see graph | PASS |
| 38 | 15.0 | 37825 | 2577.5 | 64QAM | 1@0 | see graph | PASS |
| 38 | 15.0 | 37825 | 2577.5 | 64QAM | 75@0 | see graph | PASS |
| 38 | 15.0 | 38175 | 2612.5 | 64QAM | 1@74 | see graph | PASS |
| 38 | 15.0 | 38175 | 2612.5 | 64QAM | 75@0 | see graph | PASS |
| 38 | 10.0 | 37800 | 2575.0 | 64QAM | 1@0 | see graph | PASS |
| 38 | 10.0 | 37800 | 2575.0 | 64QAM | 50@0 | see graph | PASS |
| 38 | 10.0 | 38200 | 2615.0 | 64QAM | 1@49 | see graph | PASS |
| 38 | 10.0 | 38200 | 2615.0 | 64QAM | 50@0 | see graph | PASS |
| 38 | 5.0 | 37775 | 2572.5 | 64QAM | 1@0 | see graph | PASS |
| 38 | 5.0 | 37775 | 2572.5 | 64QAM | 25@0 | see graph | PASS |
| 38 | 5.0 | 38225 | 2617.5 | 64QAM | 1@24 | see graph | PASS |
| 38 | 5.0 | 38225 | 2617.5 | 64QAM | 25@0 | see graph | PASS |

Test Graphs

B38_20M_QPSK_1@0_CH_37850



B38_20M_QPSK_100@0_CH_37850



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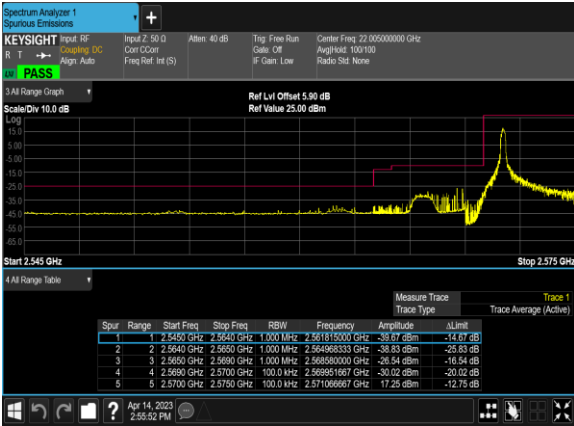
Fax: +86-755-28230886

E-mail: info@uttlab.com

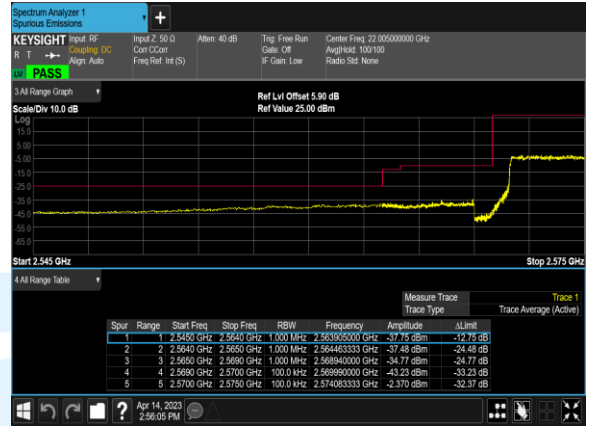
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UTTR-RF-FCC4G-V1.1

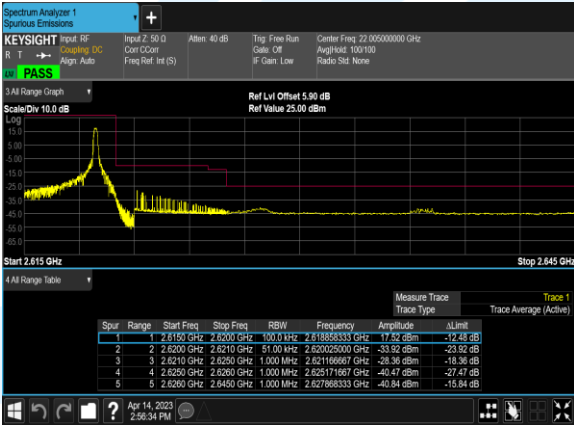
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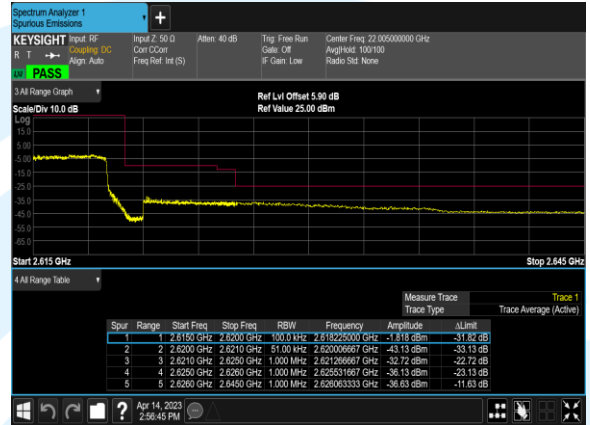
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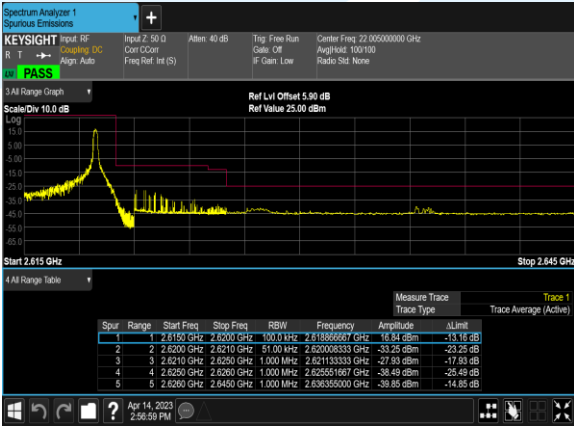
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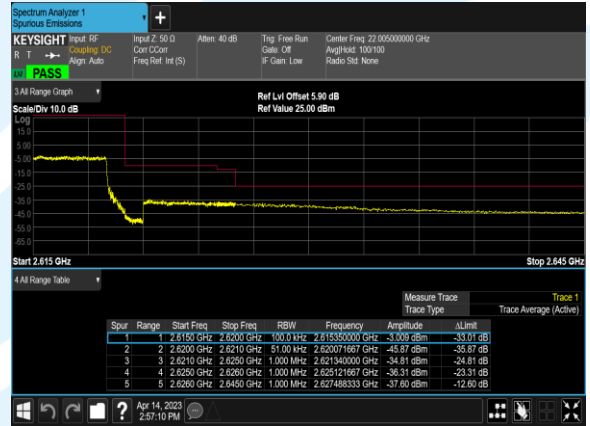
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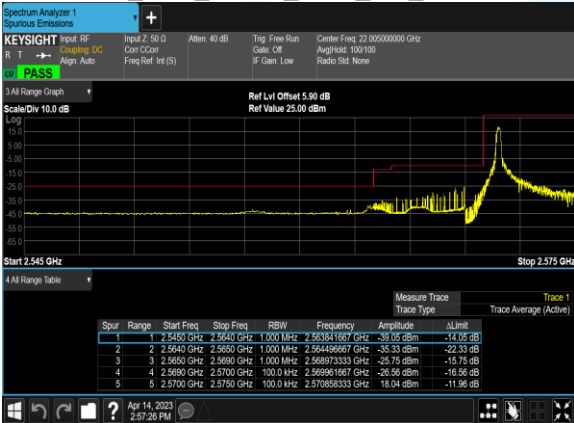
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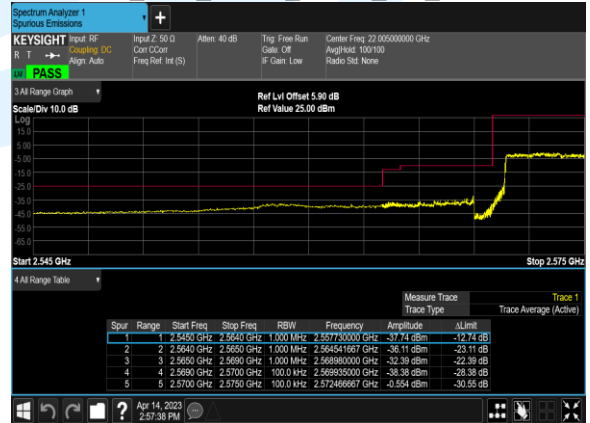
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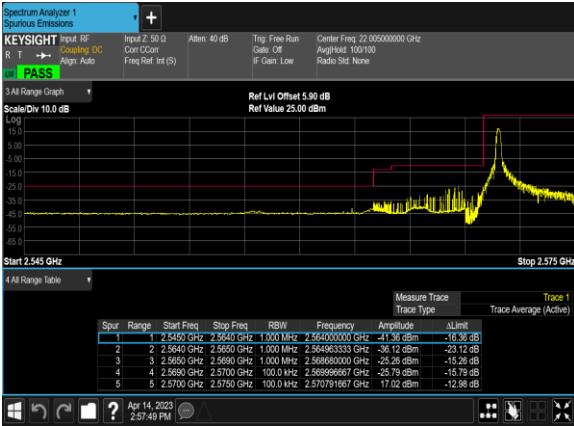
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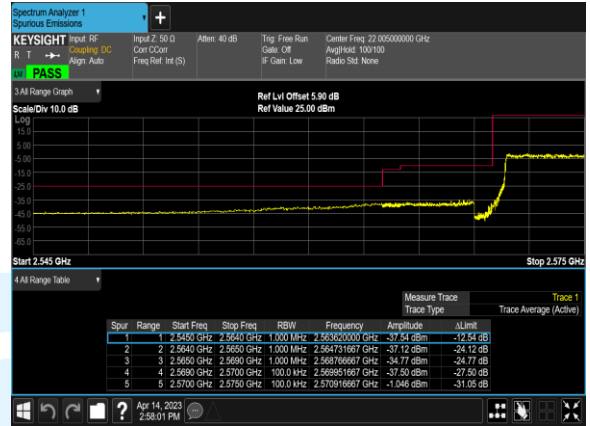
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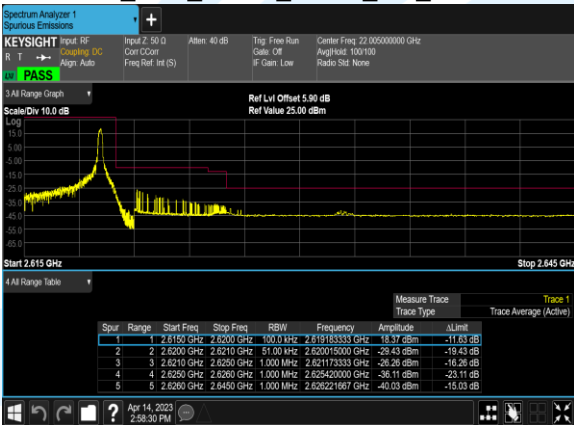
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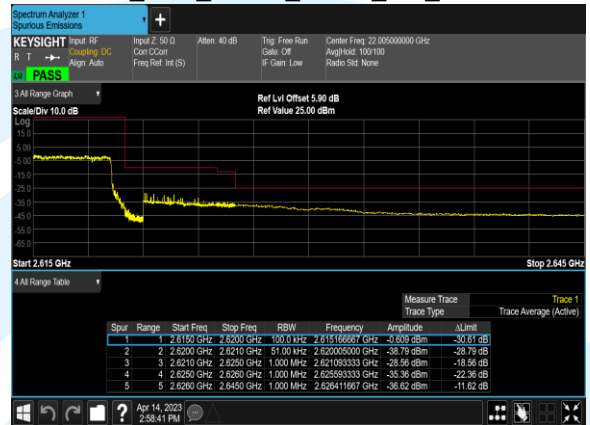
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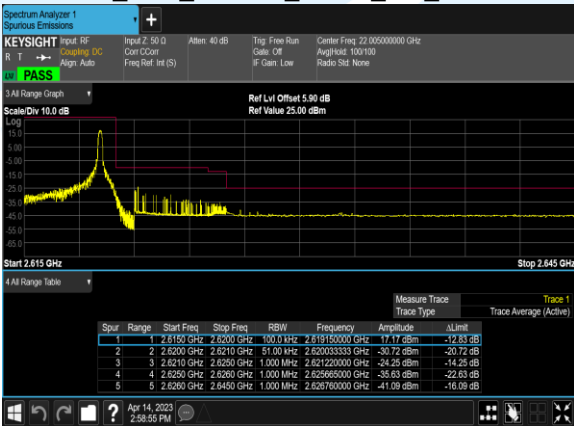
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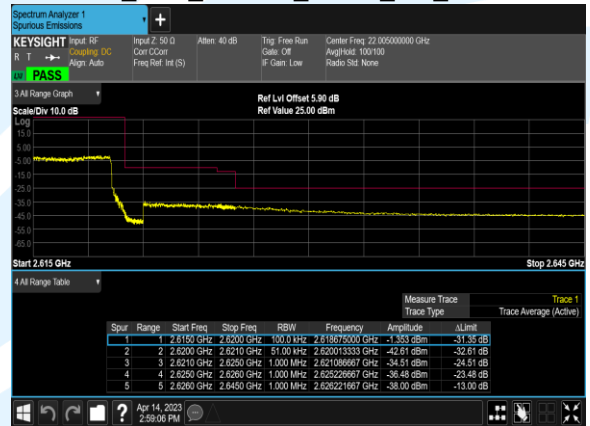
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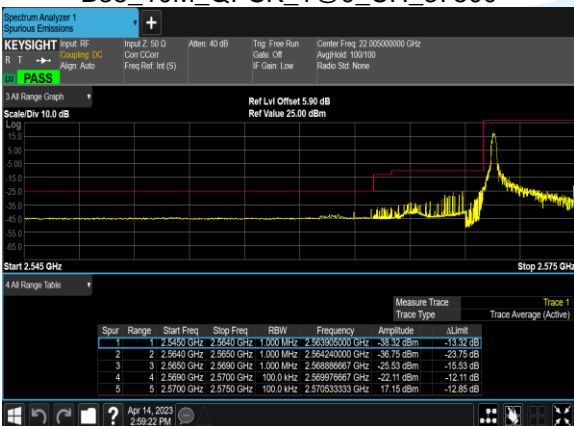
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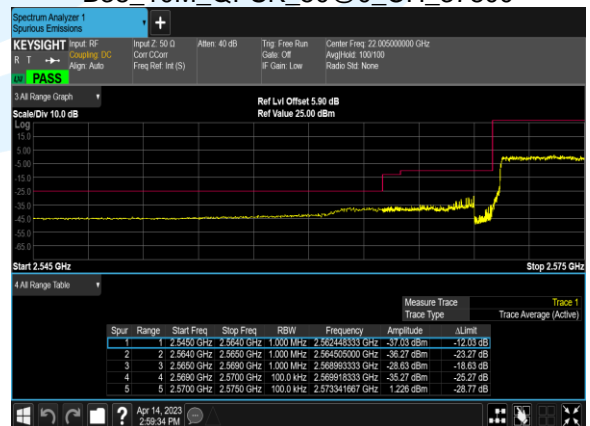
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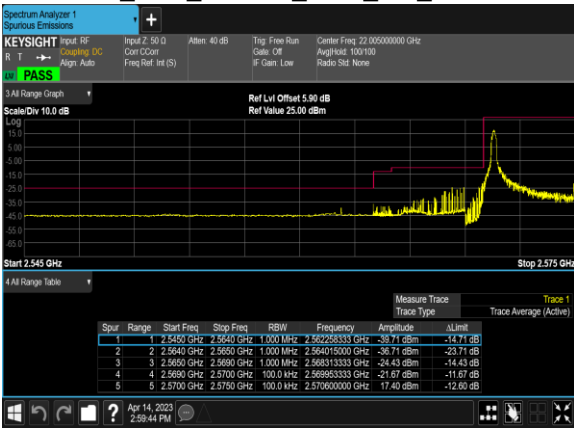
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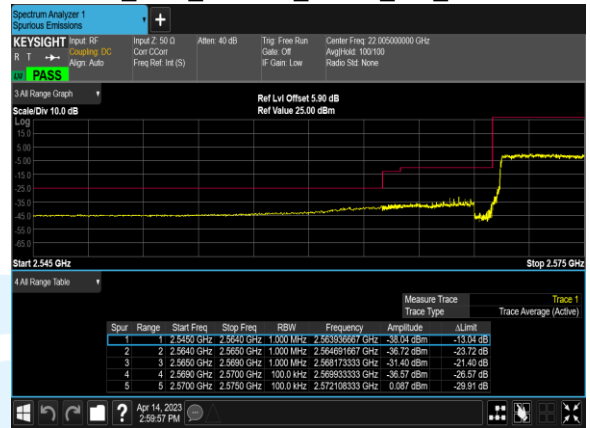
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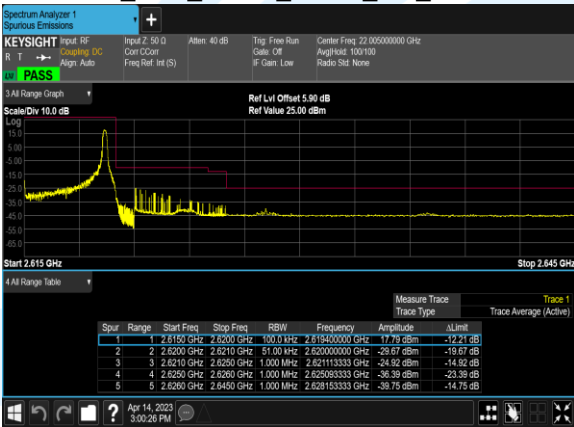
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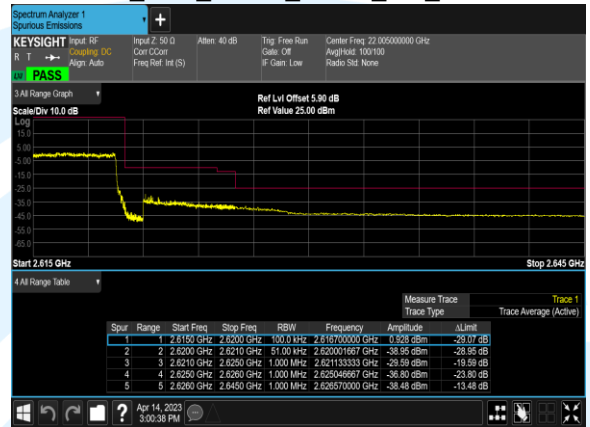
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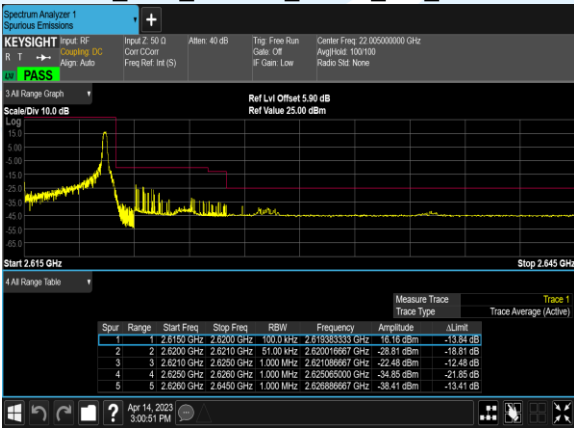
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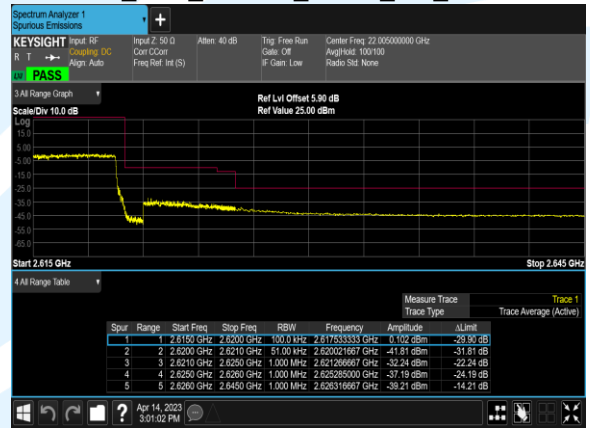
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B38_10M_16QAM_50@0_CH_38200



B38_5M_QPSK_1@0_CH_37775



B38_5M_QPSK_25@0_CH_37775

