

# Appendix for Band 4

Report No.: BCTC2504636130-5E

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Applicant: Shenzhen Feiyufei Digital Technology Co., Ltd

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Product Name: Tablet PC

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Test Model: NET Z2

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Tested Date: 2025-04-27 to 2025-05-24

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Issued Date: 2025-05-30

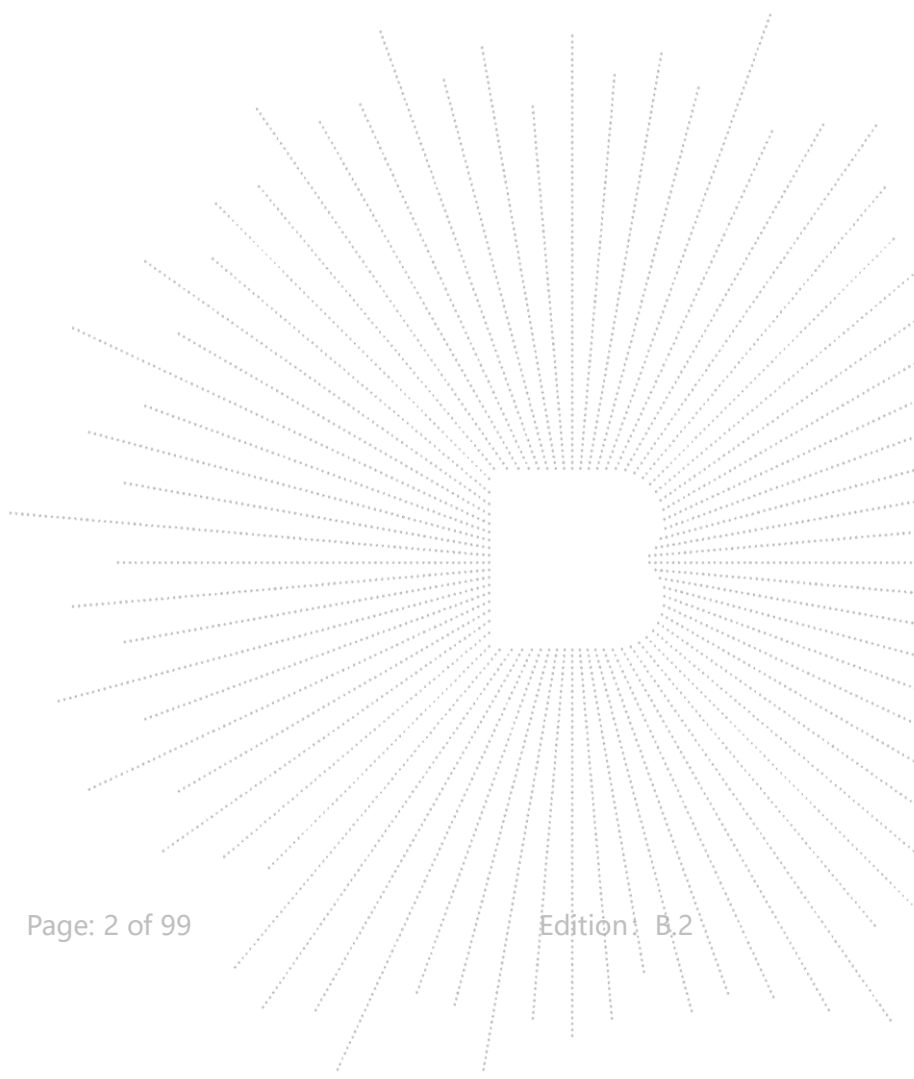
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**Shenzhen BCTC Testing Co., Ltd.**



## Contents

|                                          |    |
|------------------------------------------|----|
| Appendix 1. Conducted output power ..... | 3  |
| Appendix 2. Frequency stability.....     | 9  |
| Appendix 3. Peak-to-Average Ratio .....  | 28 |
| Appendix 4. Occupied bandwidth.....      | 47 |
| Appendix 5. Band edge .....              | 67 |
| Appendix 6. Out-of-band emissions .....  | 80 |



### Appendix 1. Conducted output power

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | EIRP Limit (dBm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|------------------|---------|
| Band4 | 1.4             | 19957      | 1       | #0          | QPSK       | 23.11       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 1       | #Mid        | QPSK       | 23.01       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 1       | #Max        | QPSK       | 22.92       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 3       | #0          | QPSK       | 22.95       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 3       | #Mid        | QPSK       | 22.97       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 3       | #Max        | QPSK       | 22.93       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | QPSK       | 22.86       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 1       | #0          | 16QAM      | 22.97       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 1       | #Mid        | 16QAM      | 22.50       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 1       | #Max        | 16QAM      | 22.42       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 3       | #0          | 16QAM      | 22.61       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 3       | #Mid        | 16QAM      | 22.63       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 3       | #Max        | 16QAM      | 22.59       | 37               | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | 16QAM      | 21.51       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 1       | #0          | QPSK       | 23.23       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 1       | #Mid        | QPSK       | 23.42       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 1       | #Max        | QPSK       | 23.31       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 3       | #0          | QPSK       | 23.41       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 3       | #Mid        | QPSK       | 23.47       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 3       | #Max        | QPSK       | 23.44       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QPSK       | 23.05       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 1       | #0          | 16QAM      | 22.81       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 1       | #Mid        | 16QAM      | 22.99       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 1       | #Max        | 16QAM      | 22.93       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 3       | #0          | 16QAM      | 22.76       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 3       | #Mid        | 16QAM      | 22.77       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 3       | #Max        | 16QAM      | 22.75       | 37               | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | 16QAM      | 21.62       | 37               | PASS    |
| Band4 | 1.4             | 20393      | 1       | #0          | QPSK       | 22.84       | 37               | PASS    |
| Band4 | 1.4             | 20393      | 1       | #Mid        | QPSK       | 23.97       | 37               | PASS    |
| Band4 | 1.4             | 20393      | 1       | #Max        | QPSK       | 23.83       | 37               | PASS    |
| Band4 | 1.4             | 20393      | 3       | #0          | QPSK       | 23.81       | 37               | PASS    |
| Band4 | 1.4             | 20393      | 3       | #Mid        | QPSK       | 23.82       | 37               | PASS    |
| Band4 | 1.4             | 20393      | 3       | #Max        | QPSK       | 23.74       | 37               | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QPSK       | 23.29       | 37               | PASS    |
| Band4 | 1.4             | 20393      | 1       | #0          | 16QAM      | 23.15       | 37               | PASS    |

|       |     |       |    |      |       |       |    |      |
|-------|-----|-------|----|------|-------|-------|----|------|
| Band4 | 1.4 | 20393 | 1  | #Mid | 16QAM | 23.31 | 37 | PASS |
| Band4 | 1.4 | 20393 | 1  | #Max | 16QAM | 23.17 | 37 | PASS |
| Band4 | 1.4 | 20393 | 3  | #0   | 16QAM | 23.13 | 37 | PASS |
| Band4 | 1.4 | 20393 | 3  | #Mid | 16QAM | 23.08 | 37 | PASS |
| Band4 | 1.4 | 20393 | 3  | #Max | 16QAM | 23.12 | 37 | PASS |
| Band4 | 1.4 | 20393 | 6  | #0   | 16QAM | 21.96 | 37 | PASS |
| Band4 | 3   | 19965 | 1  | #0   | QPSK  | 22.83 | 37 | PASS |
| Band4 | 3   | 19965 | 1  | #Mid | QPSK  | 22.83 | 37 | PASS |
| Band4 | 3   | 19965 | 1  | #Max | QPSK  | 22.64 | 37 | PASS |
| Band4 | 3   | 19965 | 8  | #0   | QPSK  | 22.88 | 37 | PASS |
| Band4 | 3   | 19965 | 8  | #Mid | QPSK  | 22.86 | 37 | PASS |
| Band4 | 3   | 19965 | 8  | #Max | QPSK  | 22.78 | 37 | PASS |
| Band4 | 3   | 19965 | 15 | #0   | QPSK  | 22.81 | 37 | PASS |
| Band4 | 3   | 19965 | 1  | #0   | 16QAM | 22.57 | 37 | PASS |
| Band4 | 3   | 19965 | 1  | #Mid | 16QAM | 22.60 | 37 | PASS |
| Band4 | 3   | 19965 | 1  | #Max | 16QAM | 22.43 | 37 | PASS |
| Band4 | 3   | 19965 | 8  | #0   | 16QAM | 21.51 | 37 | PASS |
| Band4 | 3   | 19965 | 8  | #Mid | 16QAM | 21.50 | 37 | PASS |
| Band4 | 3   | 19965 | 8  | #Max | 16QAM | 21.45 | 37 | PASS |
| Band4 | 3   | 19965 | 15 | #0   | 16QAM | 21.65 | 37 | PASS |
| Band4 | 3   | 20175 | 1  | #0   | QPSK  | 23.10 | 37 | PASS |
| Band4 | 3   | 20175 | 1  | #Mid | QPSK  | 23.41 | 37 | PASS |
| Band4 | 3   | 20175 | 1  | #Max | QPSK  | 23.37 | 37 | PASS |
| Band4 | 3   | 20175 | 8  | #0   | QPSK  | 23.12 | 37 | PASS |
| Band4 | 3   | 20175 | 8  | #Mid | QPSK  | 23.02 | 37 | PASS |
| Band4 | 3   | 20175 | 8  | #Max | QPSK  | 23.04 | 37 | PASS |
| Band4 | 3   | 20175 | 15 | #0   | QPSK  | 23.11 | 37 | PASS |
| Band4 | 3   | 20175 | 1  | #0   | 16QAM | 22.68 | 37 | PASS |
| Band4 | 3   | 20175 | 1  | #Mid | 16QAM | 23.00 | 37 | PASS |
| Band4 | 3   | 20175 | 1  | #Max | 16QAM | 22.99 | 37 | PASS |
| Band4 | 3   | 20175 | 8  | #0   | 16QAM | 21.96 | 37 | PASS |
| Band4 | 3   | 20175 | 8  | #Mid | 16QAM | 21.95 | 37 | PASS |
| Band4 | 3   | 20175 | 8  | #Max | 16QAM | 21.98 | 37 | PASS |
| Band4 | 3   | 20175 | 15 | #0   | 16QAM | 21.70 | 37 | PASS |
| Band4 | 3   | 20385 | 1  | #0   | QPSK  | 21.93 | 37 | PASS |
| Band4 | 3   | 20385 | 1  | #Mid | QPSK  | 23.97 | 37 | PASS |
| Band4 | 3   | 20385 | 1  | #Max | QPSK  | 22.05 | 37 | PASS |
| Band4 | 3   | 20385 | 8  | #0   | QPSK  | 23.38 | 37 | PASS |
| Band4 | 3   | 20385 | 8  | #Mid | QPSK  | 23.31 | 37 | PASS |
| Band4 | 3   | 20385 | 8  | #Max | QPSK  | 23.28 | 37 | PASS |
| Band4 | 3   | 20385 | 15 | #0   | QPSK  | 23.31 | 37 | PASS |
| Band4 | 3   | 20385 | 1  | #0   | 16QAM | 23.14 | 37 | PASS |
| Band4 | 3   | 20385 | 1  | #Mid | 16QAM | 23.39 | 37 | PASS |
| Band4 | 3   | 20385 | 1  | #Max | 16QAM | 23.17 | 37 | PASS |

|       |   |       |    |      |       |       |    |      |
|-------|---|-------|----|------|-------|-------|----|------|
| Band4 | 3 | 20385 | 8  | #0   | 16QAM | 21.98 | 37 | PASS |
| Band4 | 3 | 20385 | 8  | #Mid | 16QAM | 21.95 | 37 | PASS |
| Band4 | 3 | 20385 | 8  | #Max | 16QAM | 21.95 | 37 | PASS |
| Band4 | 3 | 20385 | 15 | #0   | 16QAM | 21.95 | 37 | PASS |
| Band4 | 5 | 19975 | 1  | #0   | QPSK  | 22.74 | 37 | PASS |
| Band4 | 5 | 19975 | 1  | #Mid | QPSK  | 22.59 | 37 | PASS |
| Band4 | 5 | 19975 | 1  | #Max | QPSK  | 22.51 | 37 | PASS |
| Band4 | 5 | 19975 | 12 | #0   | QPSK  | 22.85 | 37 | PASS |
| Band4 | 5 | 19975 | 12 | #Mid | QPSK  | 22.82 | 37 | PASS |
| Band4 | 5 | 19975 | 12 | #Max | QPSK  | 22.70 | 37 | PASS |
| Band4 | 5 | 19975 | 25 | #0   | QPSK  | 22.73 | 37 | PASS |
| Band4 | 5 | 19975 | 1  | #0   | 16QAM | 22.50 | 37 | PASS |
| Band4 | 5 | 19975 | 1  | #Mid | 16QAM | 22.55 | 37 | PASS |
| Band4 | 5 | 19975 | 1  | #Max | 16QAM | 22.29 | 37 | PASS |
| Band4 | 5 | 19975 | 12 | #0   | 16QAM | 21.57 | 37 | PASS |
| Band4 | 5 | 19975 | 12 | #Mid | 16QAM | 21.48 | 37 | PASS |
| Band4 | 5 | 19975 | 12 | #Max | 16QAM | 21.47 | 37 | PASS |
| Band4 | 5 | 19975 | 25 | #0   | 16QAM | 21.53 | 37 | PASS |
| Band4 | 5 | 20175 | 1  | #0   | QPSK  | 22.81 | 37 | PASS |
| Band4 | 5 | 20175 | 1  | #Mid | QPSK  | 23.49 | 37 | PASS |
| Band4 | 5 | 20175 | 1  | #Max | QPSK  | 23.28 | 37 | PASS |
| Band4 | 5 | 20175 | 12 | #0   | QPSK  | 23.22 | 37 | PASS |
| Band4 | 5 | 20175 | 12 | #Mid | QPSK  | 23.16 | 37 | PASS |
| Band4 | 5 | 20175 | 12 | #Max | QPSK  | 23.13 | 37 | PASS |
| Band4 | 5 | 20175 | 25 | #0   | QPSK  | 23.17 | 37 | PASS |
| Band4 | 5 | 20175 | 1  | #0   | 16QAM | 22.44 | 37 | PASS |
| Band4 | 5 | 20175 | 1  | #Mid | 16QAM | 23.14 | 37 | PASS |
| Band4 | 5 | 20175 | 1  | #Max | 16QAM | 22.98 | 37 | PASS |
| Band4 | 5 | 20175 | 12 | #0   | 16QAM | 21.59 | 37 | PASS |
| Band4 | 5 | 20175 | 12 | #Mid | 16QAM | 21.58 | 37 | PASS |
| Band4 | 5 | 20175 | 12 | #Max | 16QAM | 21.56 | 37 | PASS |
| Band4 | 5 | 20175 | 25 | #0   | 16QAM | 21.76 | 37 | PASS |
| Band4 | 5 | 20375 | 1  | #0   | QPSK  | 23.65 | 37 | PASS |
| Band4 | 5 | 20375 | 1  | #Mid | QPSK  | 23.64 | 37 | PASS |
| Band4 | 5 | 20375 | 1  | #Max | QPSK  | 23.61 | 37 | PASS |
| Band4 | 5 | 20375 | 12 | #0   | QPSK  | 23.36 | 37 | PASS |
| Band4 | 5 | 20375 | 12 | #Mid | QPSK  | 23.26 | 37 | PASS |
| Band4 | 5 | 20375 | 12 | #Max | QPSK  | 23.26 | 37 | PASS |
| Band4 | 5 | 20375 | 25 | #0   | QPSK  | 23.35 | 37 | PASS |
| Band4 | 5 | 20375 | 1  | #0   | 16QAM | 23.25 | 37 | PASS |
| Band4 | 5 | 20375 | 1  | #Mid | 16QAM | 23.22 | 37 | PASS |
| Band4 | 5 | 20375 | 1  | #Max | 16QAM | 23.25 | 37 | PASS |
| Band4 | 5 | 20375 | 12 | #0   | 16QAM | 21.86 | 37 | PASS |
| Band4 | 5 | 20375 | 12 | #Mid | 16QAM | 21.95 | 37 | PASS |

|       |    |       |    |      |       |       |    |      |
|-------|----|-------|----|------|-------|-------|----|------|
| Band4 | 5  | 20375 | 12 | #Max | 16QAM | 21.94 | 37 | PASS |
| Band4 | 5  | 20375 | 25 | #0   | 16QAM | 21.90 | 37 | PASS |
| Band4 | 10 | 20000 | 1  | #0   | QPSK  | 22.80 | 37 | PASS |
| Band4 | 10 | 20000 | 1  | #Mid | QPSK  | 22.68 | 37 | PASS |
| Band4 | 10 | 20000 | 1  | #Max | QPSK  | 21.74 | 37 | PASS |
| Band4 | 10 | 20000 | 25 | #0   | QPSK  | 22.84 | 37 | PASS |
| Band4 | 10 | 20000 | 25 | #Mid | QPSK  | 22.79 | 37 | PASS |
| Band4 | 10 | 20000 | 25 | #Max | QPSK  | 22.81 | 37 | PASS |
| Band4 | 10 | 20000 | 50 | #0   | QPSK  | 22.77 | 37 | PASS |
| Band4 | 10 | 20000 | 1  | #0   | 16QAM | 22.51 | 37 | PASS |
| Band4 | 10 | 20000 | 1  | #Mid | 16QAM | 22.42 | 37 | PASS |
| Band4 | 10 | 20000 | 1  | #Max | 16QAM | 22.64 | 37 | PASS |
| Band4 | 10 | 20000 | 25 | #0   | 16QAM | 21.56 | 37 | PASS |
| Band4 | 10 | 20000 | 25 | #Mid | 16QAM | 21.62 | 37 | PASS |
| Band4 | 10 | 20000 | 25 | #Max | 16QAM | 21.62 | 37 | PASS |
| Band4 | 10 | 20000 | 50 | #0   | 16QAM | 21.61 | 37 | PASS |
| Band4 | 10 | 20175 | 1  | #0   | QPSK  | 22.68 | 37 | PASS |
| Band4 | 10 | 20175 | 1  | #Mid | QPSK  | 23.39 | 37 | PASS |
| Band4 | 10 | 20175 | 1  | #Max | QPSK  | 23.64 | 37 | PASS |
| Band4 | 10 | 20175 | 25 | #0   | QPSK  | 23.19 | 37 | PASS |
| Band4 | 10 | 20175 | 25 | #Mid | QPSK  | 23.22 | 37 | PASS |
| Band4 | 10 | 20175 | 25 | #Max | QPSK  | 23.12 | 37 | PASS |
| Band4 | 10 | 20175 | 50 | #0   | QPSK  | 23.19 | 37 | PASS |
| Band4 | 10 | 20175 | 1  | #0   | 16QAM | 22.24 | 37 | PASS |
| Band4 | 10 | 20175 | 1  | #Mid | 16QAM | 22.98 | 37 | PASS |
| Band4 | 10 | 20175 | 1  | #Max | 16QAM | 23.23 | 37 | PASS |
| Band4 | 10 | 20175 | 25 | #0   | 16QAM | 21.73 | 37 | PASS |
| Band4 | 10 | 20175 | 25 | #Mid | 16QAM | 21.79 | 37 | PASS |
| Band4 | 10 | 20175 | 25 | #Max | 16QAM | 21.70 | 37 | PASS |
| Band4 | 10 | 20175 | 50 | #0   | 16QAM | 21.74 | 37 | PASS |
| Band4 | 10 | 20350 | 1  | #0   | QPSK  | 23.86 | 37 | PASS |
| Band4 | 10 | 20350 | 1  | #Mid | QPSK  | 23.82 | 37 | PASS |
| Band4 | 10 | 20350 | 1  | #Max | QPSK  | 23.47 | 37 | PASS |
| Band4 | 10 | 20350 | 25 | #0   | QPSK  | 23.20 | 37 | PASS |
| Band4 | 10 | 20350 | 25 | #Mid | QPSK  | 23.30 | 37 | PASS |
| Band4 | 10 | 20350 | 25 | #Max | QPSK  | 23.27 | 37 | PASS |
| Band4 | 10 | 20350 | 50 | #0   | QPSK  | 23.23 | 37 | PASS |
| Band4 | 10 | 20350 | 1  | #0   | 16QAM | 23.51 | 37 | PASS |
| Band4 | 10 | 20350 | 1  | #Mid | 16QAM | 23.47 | 37 | PASS |
| Band4 | 10 | 20350 | 1  | #Max | 16QAM | 23.38 | 37 | PASS |
| Band4 | 10 | 20350 | 25 | #0   | 16QAM | 21.91 | 37 | PASS |
| Band4 | 10 | 20350 | 25 | #Mid | 16QAM | 21.96 | 37 | PASS |
| Band4 | 10 | 20350 | 25 | #Max | 16QAM | 21.96 | 37 | PASS |
| Band4 | 10 | 20350 | 50 | #0   | 16QAM | 21.88 | 37 | PASS |

|       |    |       |    |      |       |       |    |      |
|-------|----|-------|----|------|-------|-------|----|------|
| Band4 | 15 | 20025 | 1  | #0   | QPSK  | 22.83 | 37 | PASS |
| Band4 | 15 | 20025 | 1  | #Mid | QPSK  | 22.68 | 37 | PASS |
| Band4 | 15 | 20025 | 1  | #Max | QPSK  | 22.75 | 37 | PASS |
| Band4 | 15 | 20025 | 36 | #0   | QPSK  | 21.99 | 37 | PASS |
| Band4 | 15 | 20025 | 36 | #Mid | QPSK  | 22.54 | 37 | PASS |
| Band4 | 15 | 20025 | 36 | #Max | QPSK  | 22.14 | 37 | PASS |
| Band4 | 15 | 20025 | 75 | #0   | QPSK  | 22.70 | 37 | PASS |
| Band4 | 15 | 20025 | 1  | #0   | 16QAM | 22.55 | 37 | PASS |
| Band4 | 15 | 20025 | 1  | #Mid | 16QAM | 22.30 | 37 | PASS |
| Band4 | 15 | 20025 | 1  | #Max | 16QAM | 22.47 | 37 | PASS |
| Band4 | 15 | 20025 | 36 | #0   | 16QAM | 21.57 | 37 | PASS |
| Band4 | 15 | 20025 | 36 | #Mid | 16QAM | 21.59 | 37 | PASS |
| Band4 | 15 | 20025 | 36 | #Max | 16QAM | 21.58 | 37 | PASS |
| Band4 | 15 | 20025 | 75 | #0   | 16QAM | 21.56 | 37 | PASS |
| Band4 | 15 | 20175 | 1  | #0   | QPSK  | 22.76 | 37 | PASS |
| Band4 | 15 | 20175 | 1  | #Mid | QPSK  | 23.34 | 37 | PASS |
| Band4 | 15 | 20175 | 1  | #Max | QPSK  | 23.74 | 37 | PASS |
| Band4 | 15 | 20175 | 36 | #0   | QPSK  | 23.10 | 37 | PASS |
| Band4 | 15 | 20175 | 36 | #Mid | QPSK  | 23.02 | 37 | PASS |
| Band4 | 15 | 20175 | 36 | #Max | QPSK  | 23.07 | 37 | PASS |
| Band4 | 15 | 20175 | 75 | #0   | QPSK  | 23.15 | 37 | PASS |
| Band4 | 15 | 20175 | 1  | #0   | 16QAM | 22.33 | 37 | PASS |
| Band4 | 15 | 20175 | 1  | #Mid | 16QAM | 22.93 | 37 | PASS |
| Band4 | 15 | 20175 | 1  | #Max | 16QAM | 23.32 | 37 | PASS |
| Band4 | 15 | 20175 | 36 | #0   | 16QAM | 21.70 | 37 | PASS |
| Band4 | 15 | 20175 | 36 | #Mid | 16QAM | 21.79 | 37 | PASS |
| Band4 | 15 | 20175 | 36 | #Max | 16QAM | 21.78 | 37 | PASS |
| Band4 | 15 | 20175 | 75 | #0   | 16QAM | 21.69 | 37 | PASS |
| Band4 | 15 | 20325 | 1  | #0   | QPSK  | 23.86 | 37 | PASS |
| Band4 | 15 | 20325 | 1  | #Mid | QPSK  | 23.86 | 37 | PASS |
| Band4 | 15 | 20325 | 1  | #Max | QPSK  | 23.77 | 37 | PASS |
| Band4 | 15 | 20325 | 36 | #0   | QPSK  | 23.25 | 37 | PASS |
| Band4 | 15 | 20325 | 36 | #Mid | QPSK  | 23.34 | 37 | PASS |
| Band4 | 15 | 20325 | 36 | #Max | QPSK  | 23.11 | 37 | PASS |
| Band4 | 15 | 20325 | 75 | #0   | QPSK  | 23.21 | 37 | PASS |
| Band4 | 15 | 20325 | 1  | #0   | 16QAM | 24.15 | 37 | PASS |
| Band4 | 15 | 20325 | 1  | #Mid | 16QAM | 24.03 | 37 | PASS |
| Band4 | 15 | 20325 | 1  | #Max | 16QAM | 23.56 | 37 | PASS |
| Band4 | 15 | 20325 | 36 | #0   | 16QAM | 21.88 | 37 | PASS |
| Band4 | 15 | 20325 | 36 | #Mid | 16QAM | 21.84 | 37 | PASS |
| Band4 | 15 | 20325 | 36 | #Max | 16QAM | 21.84 | 37 | PASS |
| Band4 | 15 | 20325 | 75 | #0   | 16QAM | 22.01 | 37 | PASS |
| Band4 | 20 | 20050 | 1  | #0   | QPSK  | 23.00 | 37 | PASS |
| Band4 | 20 | 20050 | 1  | #Mid | QPSK  | 22.69 | 37 | PASS |

|       |    |       |     |      |       |       |    |      |
|-------|----|-------|-----|------|-------|-------|----|------|
| Band4 | 20 | 20050 | 1   | #Max | QPSK  | 23.14 | 37 | PASS |
| Band4 | 20 | 20050 | 50  | #0   | QPSK  | 22.82 | 37 | PASS |
| Band4 | 20 | 20050 | 50  | #Mid | QPSK  | 22.63 | 37 | PASS |
| Band4 | 20 | 20050 | 50  | #Max | QPSK  | 23.07 | 37 | PASS |
| Band4 | 20 | 20050 | 100 | #0   | QPSK  | 22.92 | 37 | PASS |
| Band4 | 20 | 20050 | 1   | #0   | 16QAM | 22.60 | 37 | PASS |
| Band4 | 20 | 20050 | 1   | #Mid | 16QAM | 22.28 | 37 | PASS |
| Band4 | 20 | 20050 | 1   | #Max | 16QAM | 22.75 | 37 | PASS |
| Band4 | 20 | 20050 | 50  | #0   | 16QAM | 21.67 | 37 | PASS |
| Band4 | 20 | 20050 | 50  | #Mid | 16QAM | 21.70 | 37 | PASS |
| Band4 | 20 | 20050 | 50  | #Max | 16QAM | 21.66 | 37 | PASS |
| Band4 | 20 | 20050 | 100 | #0   | 16QAM | 21.60 | 37 | PASS |
| Band4 | 20 | 20175 | 1   | #0   | QPSK  | 22.94 | 37 | PASS |
| Band4 | 20 | 20175 | 1   | #Mid | QPSK  | 23.50 | 37 | PASS |
| Band4 | 20 | 20175 | 1   | #Max | QPSK  | 24.01 | 37 | PASS |
| Band4 | 20 | 20175 | 50  | #0   | QPSK  | 23.15 | 37 | PASS |
| Band4 | 20 | 20175 | 50  | #Mid | QPSK  | 23.21 | 37 | PASS |
| Band4 | 20 | 20175 | 50  | #Max | QPSK  | 23.15 | 37 | PASS |
| Band4 | 20 | 20175 | 100 | #0   | QPSK  | 23.20 | 37 | PASS |
| Band4 | 20 | 20175 | 1   | #0   | 16QAM | 22.39 | 37 | PASS |
| Band4 | 20 | 20175 | 1   | #Mid | 16QAM | 22.99 | 37 | PASS |
| Band4 | 20 | 20175 | 1   | #Max | 16QAM | 23.40 | 37 | PASS |
| Band4 | 20 | 20175 | 50  | #0   | 16QAM | 21.75 | 37 | PASS |
| Band4 | 20 | 20175 | 50  | #Mid | 16QAM | 21.72 | 37 | PASS |
| Band4 | 20 | 20175 | 50  | #Max | 16QAM | 21.77 | 37 | PASS |
| Band4 | 20 | 20175 | 100 | #0   | 16QAM | 21.75 | 37 | PASS |
| Band4 | 20 | 20300 | 1   | #0   | QPSK  | 23.53 | 37 | PASS |
| Band4 | 20 | 20300 | 1   | #Mid | QPSK  | 23.82 | 37 | PASS |
| Band4 | 20 | 20300 | 1   | #Max | QPSK  | 23.73 | 37 | PASS |
| Band4 | 20 | 20300 | 50  | #0   | QPSK  | 23.23 | 37 | PASS |
| Band4 | 20 | 20300 | 50  | #Mid | QPSK  | 23.23 | 37 | PASS |
| Band4 | 20 | 20300 | 50  | #Max | QPSK  | 23.30 | 37 | PASS |
| Band4 | 20 | 20300 | 100 | #0   | QPSK  | 23.30 | 37 | PASS |
| Band4 | 20 | 20300 | 1   | #0   | 16QAM | 23.21 | 37 | PASS |
| Band4 | 20 | 20300 | 1   | #Mid | 16QAM | 23.33 | 37 | PASS |
| Band4 | 20 | 20300 | 1   | #Max | 16QAM | 23.28 | 37 | PASS |
| Band4 | 20 | 20300 | 50  | #0   | 16QAM | 21.82 | 37 | PASS |
| Band4 | 20 | 20300 | 50  | #Mid | 16QAM | 21.92 | 37 | PASS |
| Band4 | 20 | 20300 | 50  | #Max | 16QAM | 21.96 | 37 | PASS |
| Band4 | 20 | 20300 | 100 | #0   | 16QAM | 21.87 | 37 | PASS |

## Appendix 2. Frequency stability

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Voltage (Vdc) | Temperature (C) | Result (Hz) | Result (ppm) | Low Limit (ppm) | High Limit (ppm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|---------------|-----------------|-------------|--------------|-----------------|------------------|---------|
| Band4 | 1.4             | 19957      | 6       | #0          | QPSK       | LV            | NT              | -16.05      | -0.009       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | QPSK       | NV            | NT              | -19.87      | -0.012       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | QPSK       | HV            | NT              | -26.66      | -0.016       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | 16QAM      | LV            | NT              | -27.97      | -0.016       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | 16QAM      | NV            | NT              | -28.17      | -0.016       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | 16QAM      | HV            | NT              | -27.22      | -0.016       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QPSK       | LV            | NT              | 0.51        | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QPSK       | NV            | NT              | -4.38       | -0.003       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QPSK       | HV            | NT              | -5.48       | -0.003       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | 16QAM      | LV            | NT              | -7.18       | -0.004       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | 16QAM      | NV            | NT              | -5.87       | -0.003       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | 16QAM      | HV            | NT              | -4.78       | -0.003       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QPSK       | LV            | NT              | -2.98       | -0.002       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QPSK       | NV            | NT              | 0.73        | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QPSK       | HV            | NT              | 0.56        | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | 16QAM      | LV            | NT              | -0.62       | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | 16QAM      | NV            | NT              | 4.02        | 0.002        | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | 16QAM      | HV            | NT              | 6.35        | 0.000        | -2.5            | 2.5              | PASS    |



|           |   |       |    |    |       |    |    |            |            |      |     |          |
|-----------|---|-------|----|----|-------|----|----|------------|------------|------|-----|----------|
| d4        |   |       |    |    |       |    |    |            | 4          |      |     | S        |
| Ban<br>d4 | 3 | 19965 | 15 | #0 | QPSK  | LV | NT | -25.<br>43 | -0.0<br>15 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 19965 | 15 | #0 | QPSK  | NV | NT | -27.<br>92 | -0.0<br>16 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 19965 | 15 | #0 | QPSK  | HV | NT | -29.<br>67 | -0.0<br>17 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 19965 | 15 | #0 | 16QAM | LV | NT | -27.<br>94 | -0.0<br>16 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 19965 | 15 | #0 | 16QAM | NV | NT | -16.<br>45 | -0.0<br>10 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 19965 | 15 | #0 | 16QAM | HV | NT | -19.<br>34 | -0.01<br>1 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | LV | NT | -15.<br>85 | -0.0<br>09 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | NV | NT | -17.<br>64 | -0.0<br>10 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | HV | NT | -21.<br>21 | -0.0<br>12 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | LV | NT | -23.<br>19 | -0.0<br>13 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | NV | NT | -21.<br>53 | -0.0<br>12 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | HV | NT | 3.26<br>2  | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | LV | NT | -3.5<br>8  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | NV | NT | -3.1<br>6  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | HV | NT | -1.3<br>7  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | LV | NT | 3.26<br>2  | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | NV | NT | 2.46<br>1  | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | HV | NT | -2.2<br>2  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | LV | NT | -17.<br>60 | -0.0<br>10 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | NV | NT | -23.<br>43 | -0.0<br>14 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | HV | NT | -26.<br>18 | -0.0<br>15 | -2.5 | 2.5 | PAS<br>S |
| Ban       | 5 | 19975 | 25 | #0 | 16QAM | LV | NT | -29.       | -0.0       | -2.5 | 2.5 | PAS      |



|           |    |       |    |    |       |    |    |            |            |      |     |          |
|-----------|----|-------|----|----|-------|----|----|------------|------------|------|-----|----------|
| d4        |    |       |    |    |       |    |    | 68         | 17         |      |     | S        |
| Ban<br>d4 | 5  | 19975 | 25 | #0 | 16QAM | NV | NT | -25.<br>12 | -0.0<br>15 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 19975 | 25 | #0 | 16QAM | HV | NT | -21.<br>82 | -0.0<br>13 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20175 | 25 | #0 | QPSK  | LV | NT | -4.1<br>9  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20175 | 25 | #0 | QPSK  | NV | NT | -9.9<br>3  | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20175 | 25 | #0 | QPSK  | HV | NT | -12.<br>47 | -0.0<br>07 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20175 | 25 | #0 | 16QAM | LV | NT | -12.<br>62 | -0.0<br>07 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20175 | 25 | #0 | 16QAM | NV | NT | -9.0<br>7  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20175 | 25 | #0 | 16QAM | HV | NT | -9.1<br>4  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | LV | NT | 0.53       | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | NV | NT | 3.59       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | HV | NT | 5.79       | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | LV | NT | 11.8<br>0  | 0.00<br>7  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | NV | NT | 5.25       | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | HV | NT | 10.7<br>9  | 0.00<br>6  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | LV | NT | -12.<br>37 | -0.0<br>07 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | NV | NT | -15.<br>13 | -0.0<br>09 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | HV | NT | -18.<br>57 | -0.01<br>1 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | LV | NT | -15.<br>55 | -0.0<br>09 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | NV | NT | -9.9<br>1  | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | HV | NT | -8.6<br>0  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | QPSK  | LV | NT | -1.3<br>9  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban       | 10 | 20175 | 50 | #0 | QPSK  | NV | NT | -9.5       | -0.0       | -2.5 | 2.5 | PAS      |



|           |    |       |    |    |       |    |    |            |            |      |     |          |
|-----------|----|-------|----|----|-------|----|----|------------|------------|------|-----|----------|
| d4        |    |       |    |    |       |    |    | 4          | 06         |      |     | S        |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | QPSK  | HV | NT | -10.<br>63 | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | LV | NT | 0.46       | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | NV | NT | 2.15       | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | HV | NT | 3.48       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | LV | NT | 20.4<br>4  | 0.01<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | NV | NT | 22.1<br>6  | 0.01<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | HV | NT | 23.0<br>7  | 0.01<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | LV | NT | 30.6<br>3  | 0.01<br>8  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | NV | NT | 31.8<br>7  | 0.01<br>8  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | HV | NT | 34.5<br>5  | 0.02<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | LV | NT | -32.<br>57 | -0.0<br>19 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | NV | NT | 10.0<br>4  | 0.00<br>6  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | HV | NT | 8.68       | 0.00<br>5  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | LV | NT | 7.50       | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | NV | NT | 1.83       | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | HV | NT | 0.80       | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | LV | NT | -16.<br>45 | -0.0<br>09 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | NV | NT | -14.<br>66 | -0.0<br>08 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | HV | NT | -28.<br>90 | -0.0<br>17 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | 16QAM | LV | NT | -27.<br>84 | -0.0<br>16 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | 16QAM | NV | NT | -23.<br>95 | -0.0<br>14 | -2.5 | 2.5 | PAS<br>S |
| Ban       | 15 | 20175 | 75 | #0 | 16QAM | HV | NT | -24.       | -0.0       | -2.5 | 2.5 | PAS      |



|           |    |       |         |    |       |    |    |            |            |      |     |          |
|-----------|----|-------|---------|----|-------|----|----|------------|------------|------|-----|----------|
| d4        |    |       |         |    |       |    |    | 08         | 14         |      |     | S        |
| Ban<br>d4 | 15 | 20325 | 75      | #0 | QPSK  | LV | NT | -6.3<br>7  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75      | #0 | QPSK  | NV | NT | -5.0<br>9  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75      | #0 | QPSK  | HV | NT | -6.8<br>2  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75      | #0 | 16QAM | LV | NT | 8.70       | 0.00<br>5  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75      | #0 | 16QAM | NV | NT | 13.5<br>9  | 0.00<br>8  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75      | #0 | 16QAM | HV | NT | 17.7<br>7  | 0.01<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | LV | NT | -19.<br>48 | -0.01<br>1 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | NV | NT | -32.<br>82 | -0.0<br>19 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | HV | NT | -37.<br>78 | -0.0<br>22 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | LV | NT | -40.<br>18 | -0.0<br>23 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | NV | NT | -4.1<br>3  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | HV | NT | -4.6<br>8  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | LV | NT | 0.79       | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | NV | NT | -8.6<br>0  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | HV | NT | -2.2<br>2  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | LV | NT | 3.42       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | NV | NT | 3.83       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | HV | NT | -2.9<br>9  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | LV | NT | 7.82       | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | NV | NT | 1.33       | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | HV | NT | -0.1<br>4  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban       | 20 | 20300 | 10      | #0 | 16QAM | LV | NT | 0.70       | 0.00       | -2.5 | 2.5 | PAS      |



|           |    |       |         |    |       |    |    |      |           |      |     |          |
|-----------|----|-------|---------|----|-------|----|----|------|-----------|------|-----|----------|
| d4        |    |       | 0       |    |       |    |    |      | 0         |      |     | S        |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | 16QAM | NV | NT | 4.05 | 0.00<br>2 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | 16QAM | HV | NT | 2.88 | 0.00<br>2 | -2.5 | 2.5 | PAS<br>S |

| Ban<br>d  | Bandwi<br>dth<br>(MHz) | UL<br>Chan<br>nel | RB<br>Siz<br>e | RB<br>Positi<br>on | Modulat<br>ion | Volta<br>ge<br>(Vdc) | Tempera<br>ture (C) | Res<br>ult<br>(Hz) | Res<br>ult<br>(pp<br>m) | Low Limi<br>t<br>(pp<br>m) | hig<br>h<br>Limi<br>t<br>(pp<br>m) | Verdi<br>ct |
|-----------|------------------------|-------------------|----------------|--------------------|----------------|----------------------|---------------------|--------------------|-------------------------|----------------------------|------------------------------------|-------------|
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | QPSK           | NV                   | -30                 | -13.<br>40         | -0.0<br>08              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | QPSK           | NV                   | -20                 | -3.3<br>8          | -0.0<br>02              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | QPSK           | NV                   | 0                   | 4.23               | 0.00<br>2               | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | QPSK           | NV                   | 10                  | -9.2<br>1          | -0.0<br>05              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | QPSK           | NV                   | 20                  | -3.4<br>8          | -0.0<br>02              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | QPSK           | NV                   | 30                  | -1.3<br>7          | -0.0<br>01              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | QPSK           | NV                   | 40                  | -6.4<br>8          | -0.0<br>04              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | QPSK           | NV                   | 50                  | -7.7<br>5          | -0.0<br>05              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | 16QAM          | NV                   | -30                 | -1.2<br>9          | -0.0<br>01              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | 16QAM          | NV                   | -20                 | 2.95               | 0.00<br>2               | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | 16QAM          | NV                   | 0                   | -0.9<br>7          | -0.0<br>01              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | 16QAM          | NV                   | 10                  | 3.50               | 0.00<br>2               | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | 16QAM          | NV                   | 20                  | 1.29               | 0.00<br>1               | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | 16QAM          | NV                   | 30                  | -1.5<br>7          | -0.0<br>01              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | 16QAM          | NV                   | 40                  | -3.9<br>2          | -0.0<br>02              | -2.5                       | 2.5                                | PAS<br>S    |
| Ban<br>d4 | 1.4                    | 19957             | 6              | #0                 | 16QAM          | NV                   | 50                  | -4.8<br>8          | -0.0<br>03              | -2.5                       | 2.5                                | PAS<br>S    |



|           |     |       |   |    |       |    |     |            |            |      |     |          |
|-----------|-----|-------|---|----|-------|----|-----|------------|------------|------|-----|----------|
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | QPSK  | NV | -30 | -7.0<br>7  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | QPSK  | NV | -20 | -1.0<br>0  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | QPSK  | NV | 0   | 3.09       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | QPSK  | NV | 10  | -1.2<br>7  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | QPSK  | NV | 20  | 20.0<br>3  | 0.01<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | QPSK  | NV | 30  | 18.4<br>0  | 0.01<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | QPSK  | NV | 40  | 6.44       | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | QPSK  | NV | 50  | 5.36       | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | 16QAM | NV | -30 | 9.56       | 0.00<br>6  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | 16QAM | NV | -20 | -4.5<br>3  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | 16QAM | NV | 0   | -4.4<br>6  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | 16QAM | NV | 10  | -9.2<br>4  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | 16QAM | NV | 20  | 7.15       | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | 16QAM | NV | 30  | -13.<br>76 | -0.0<br>08 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | 16QAM | NV | 40  | -8.2<br>1  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20175 | 6 | #0 | 16QAM | NV | 50  | -5.6<br>4  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6 | #0 | QPSK  | NV | -30 | -10.<br>00 | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6 | #0 | QPSK  | NV | -20 | -15.<br>65 | -0.0<br>09 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6 | #0 | QPSK  | NV | 0   | -6.8<br>5  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6 | #0 | QPSK  | NV | 10  | -1.2<br>2  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6 | #0 | QPSK  | NV | 20  | 6.45       | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6 | #0 | QPSK  | NV | 30  | -3.1<br>3  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |



|           |     |       |    |    |       |    |     |            |            |      |     |          |
|-----------|-----|-------|----|----|-------|----|-----|------------|------------|------|-----|----------|
| Ban<br>d4 | 1.4 | 20393 | 6  | #0 | QPSK  | NV | 40  | -9.9<br>7  | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6  | #0 | QPSK  | NV | 50  | -8.0<br>1  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | -30 | -10.<br>67 | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | -20 | -1.5<br>9  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 0   | -0.2<br>4  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 10  | 4.12       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 20  | -11.1<br>4 | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 30  | 6.28       | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 40  | 5.25       | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 50  | 3.63       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | QPSK  | NV | -30 | -6.7<br>4  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | QPSK  | NV | -20 | -9.9<br>4  | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | QPSK  | NV | 0   | -5.3<br>4  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | QPSK  | NV | 10  | -11.6<br>7 | -0.0<br>07 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | QPSK  | NV | 20  | -14.<br>09 | -0.0<br>08 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | QPSK  | NV | 30  | -1.6<br>6  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | QPSK  | NV | 40  | -7.4<br>2  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | QPSK  | NV | 50  | -3.1<br>6  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | 16QAM | NV | -30 | -12.<br>59 | -0.0<br>07 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | 16QAM | NV | -20 | -4.11      | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | 16QAM | NV | 0   | -1.3<br>4  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3   | 19965 | 15 | #0 | 16QAM | NV | 10  | -13.<br>83 | -0.0<br>08 | -2.5 | 2.5 | PAS<br>S |



|           |   |       |    |    |       |    |     |            |            |      |     |          |
|-----------|---|-------|----|----|-------|----|-----|------------|------------|------|-----|----------|
| Ban<br>d4 | 3 | 19965 | 15 | #0 | 16QAM | NV | 20  | -4.8<br>6  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 19965 | 15 | #0 | 16QAM | NV | 30  | -4.5<br>1  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 19965 | 15 | #0 | 16QAM | NV | 40  | -13.<br>99 | -0.0<br>08 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 19965 | 15 | #0 | 16QAM | NV | 50  | -9.9<br>6  | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | NV | -30 | 0.07       | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | NV | -20 | 1.59       | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 0   | 5.59       | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 10  | 1.82       | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 20  | 0.73       | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 30  | -9.9<br>0  | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 40  | -2.7<br>0  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 50  | -9.5<br>7  | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | NV | -30 | -0.6<br>0  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | NV | -20 | -8.4<br>3  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 0   | -4.9<br>9  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 10  | -5.3<br>1  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 20  | -1.7<br>5  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 30  | 9.43       | 0.00<br>5  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 40  | -8.6<br>1  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 50  | 3.79       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | NV | -30 | -7.8<br>1  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | NV | -20 | -12.<br>36 | -0.0<br>07 | -2.5 | 2.5 | PAS<br>S |



|           |   |       |    |    |       |    |     |            |            |      |     |          |
|-----------|---|-------|----|----|-------|----|-----|------------|------------|------|-----|----------|
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 0   | -8.5<br>5  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 10  | -12.<br>02 | -0.0<br>07 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 20  | -6.2<br>9  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 30  | -3.5<br>8  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 40  | 1.59       | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 50  | 2.75       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | NV | -30 | 3.53       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | NV | -20 | -10.<br>17 | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 0   | -0.0<br>7  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 10  | 2.70       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 20  | 7.57       | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 30  | 3.40       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 40  | -6.4<br>2  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 50  | -5.2<br>9  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | NV | -30 | -6.0<br>1  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | NV | -20 | 5.49       | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 0   | 3.66       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 10  | 3.98       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 20  | -3.8<br>2  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 30  | 0.86       | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 40  | 8.00       | 0.00<br>5  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 50  | -2.3<br>3  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |



|           |   |       |    |    |       |    |     |           |            |      |     |          |
|-----------|---|-------|----|----|-------|----|-----|-----------|------------|------|-----|----------|
| Ban<br>d4 | 5 | 19975 | 25 | #0 | 16QAM | NV | -30 | 7.95      | 0.00<br>5  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | 16QAM | NV | -20 | 5.05      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 0   | 5.49      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 10  | -1.4<br>6 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 20  | 6.61      | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 30  | 6.31      | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 40  | 5.05      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 50  | 6.77      | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | QPSK  | NV | -30 | 7.05      | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | QPSK  | NV | -20 | -3.1<br>8 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 0   | 3.45      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 10  | 3.99      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 20  | 7.18      | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 30  | 4.52      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 40  | 0.74      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 50  | 8.96      | 0.00<br>5  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | 16QAM | NV | -30 | 0.49      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | 16QAM | NV | -20 | -7.8<br>2 | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | 16QAM | NV | 0   | -1.7<br>2 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | 16QAM | NV | 10  | -6.2<br>4 | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | 16QAM | NV | 20  | 0.90      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5 | 20175 | 25 | #0 | 16QAM | NV | 30  | 6.42      | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |



|           |    |       |    |    |       |    |     |           |            |      |     |          |
|-----------|----|-------|----|----|-------|----|-----|-----------|------------|------|-----|----------|
| Ban<br>d4 | 5  | 20175 | 25 | #0 | 16QAM | NV | 40  | -3.0<br>2 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20175 | 25 | #0 | 16QAM | NV | 50  | 6.17      | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | NV | -30 | 7.78      | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | NV | -20 | -0.5<br>4 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | NV | 0   | 1.54      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | NV | 10  | -9.6<br>8 | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | NV | 20  | 3.08      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | NV | 30  | -5.7<br>6 | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | NV | 40  | 2.98      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | QPSK  | NV | 50  | -6.9<br>5 | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | NV | -30 | -1.3<br>4 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | NV | -20 | 4.16      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 0   | -0.1<br>0 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 10  | 6.44      | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 20  | -1.3<br>0 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 30  | 4.48      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 40  | 0.47      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 50  | -1.5<br>7 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | NV | -30 | -7.3<br>2 | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | NV | -20 | -1.5<br>3 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 0   | -2.6<br>0 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 10  | -4.0<br>3 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |



|           |    |       |    |    |       |    |     |           |            |      |     |          |
|-----------|----|-------|----|----|-------|----|-----|-----------|------------|------|-----|----------|
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 20  | 0.17      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 30  | -7.9<br>8 | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 40  | 1.75      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 50  | -9.2<br>0 | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | NV | -30 | -4.0<br>6 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | NV | -20 | -1.1<br>7 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 0   | -1.8<br>6 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 10  | 1.82      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 20  | -5.11     | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 30  | -0.4<br>6 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 40  | -1.2<br>4 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 50  | 0.63      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | QPSK  | NV | -30 | -3.7<br>9 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | QPSK  | NV | -20 | -3.8<br>2 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 0   | 1.24      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 10  | -2.4<br>2 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 20  | 0.34      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 30  | 1.76      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 40  | 2.52      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 50  | -5.0<br>1 | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | NV | -30 | 5.29      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | NV | -20 | 0.23      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |



|           |    |       |    |    |       |    |     |            |            |      |     |          |
|-----------|----|-------|----|----|-------|----|-----|------------|------------|------|-----|----------|
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 0   | 0.90       | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 10  | -10.<br>23 | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 20  | -1.1<br>7  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 30  | 3.81       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 40  | -5.4<br>1  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 50  | -7.4<br>7  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | NV | -30 | 4.63       | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | NV | -20 | 7.14       | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 0   | -1.2<br>7  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 10  | -0.4<br>1  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 20  | 2.93       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 30  | -0.8<br>4  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 40  | -0.8<br>7  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 50  | -0.1<br>0  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | NV | -30 | -6.4<br>1  | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | NV | -20 | 0.39       | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 0   | 5.16       | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 10  | -0.1<br>7  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 20  | 0.36       | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 30  | 5.55       | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 40  | 6.08       | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 50  | -12.<br>15 | -0.0<br>07 | -2.5 | 2.5 | PAS<br>S |



|           |    |       |    |    |       |    |     |           |            |      |     |          |
|-----------|----|-------|----|----|-------|----|-----|-----------|------------|------|-----|----------|
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | NV | -30 | -2.7<br>2 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | NV | -20 | -6.0<br>2 | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 0   | 2.45      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 10  | -2.1<br>9 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 20  | 4.59      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 30  | -2.0<br>7 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 40  | 4.59      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 50  | -2.4<br>9 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | NV | -30 | 3.73      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | NV | -20 | -9.5<br>1 | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 0   | -1.0<br>9 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 10  | -0.6<br>4 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 20  | 3.15      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 30  | -4.8<br>5 | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 40  | -0.2<br>0 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 50  | -1.6<br>0 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | NV | -30 | -7.1<br>4 | -0.0<br>04 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | NV | -20 | 1.17      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 0   | 2.82      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 10  | -2.0<br>7 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 20  | -0.7<br>4 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 30  | 3.19      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |



|           |    |       |    |    |       |    |     |            |            |      |     |          |
|-----------|----|-------|----|----|-------|----|-----|------------|------------|------|-----|----------|
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 40  | 0.73<br>0  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 50  | -1.0<br>0  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | 16QAM | NV | -30 | -3.0<br>0  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | 16QAM | NV | -20 | -1.1<br>4  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | 16QAM | NV | 0   | -2.1<br>0  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | 16QAM | NV | 10  | -10.<br>41 | -0.0<br>06 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | 16QAM | NV | 20  | -3.7<br>8  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | 16QAM | NV | 30  | -5.4<br>1  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | 16QAM | NV | 40  | -5.7<br>9  | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20175 | 75 | #0 | 16QAM | NV | 50  | -0.7<br>0  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | QPSK  | NV | -30 | 1.86       | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | QPSK  | NV | -20 | 7.87       | 0.00<br>5  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | QPSK  | NV | 0   | -1.4<br>7  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | QPSK  | NV | 10  | 3.49       | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | QPSK  | NV | 20  | -2.2<br>7  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | QPSK  | NV | 30  | 1.19       | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | QPSK  | NV | 40  | -3.4<br>9  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | QPSK  | NV | 50  | -2.1<br>6  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | 16QAM | NV | -30 | -0.0<br>7  | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | 16QAM | NV | -20 | -3.8<br>8  | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | 16QAM | NV | 0   | -2.4<br>5  | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75 | #0 | 16QAM | NV | 10  | -7.9<br>8  | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |

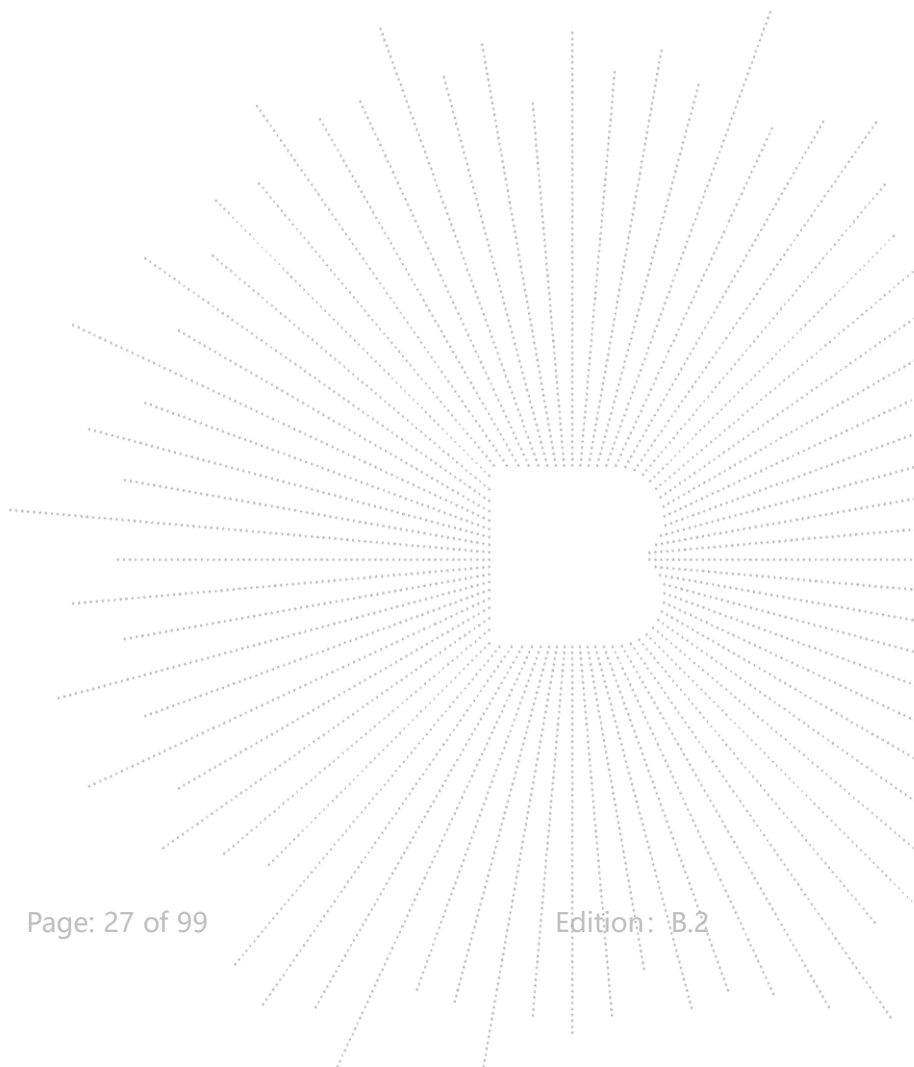


|           |    |       |         |    |       |    |     |           |            |      |     |          |
|-----------|----|-------|---------|----|-------|----|-----|-----------|------------|------|-----|----------|
| Ban<br>d4 | 15 | 20325 | 75      | #0 | 16QAM | NV | 20  | -0.4<br>4 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75      | #0 | 16QAM | NV | 30  | -8.6<br>5 | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75      | #0 | 16QAM | NV | 40  | -5.1<br>8 | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 15 | 20325 | 75      | #0 | 16QAM | NV | 50  | -2.3<br>9 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | NV | -30 | -3.8<br>3 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | NV | -20 | -3.8<br>1 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | NV | 0   | -8.6<br>8 | -0.0<br>05 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | NV | 10  | -3.6<br>2 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | NV | 20  | 3.65      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | NV | 30  | -0.7<br>7 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | NV | 40  | -2.8<br>2 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | QPSK  | NV | 50  | 1.14      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | NV | -30 | -1.8<br>7 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | NV | -20 | -4.5<br>1 | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | NV | 0   | -0.9<br>4 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | NV | 10  | -2.6<br>5 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | NV | 20  | -5.4<br>6 | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | NV | 30  | 1.72      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | NV | 40  | 1.06      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20050 | 10<br>0 | #0 | 16QAM | NV | 50  | -5.1<br>2 | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | NV | -30 | 4.11      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | NV | -20 | 4.31      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |



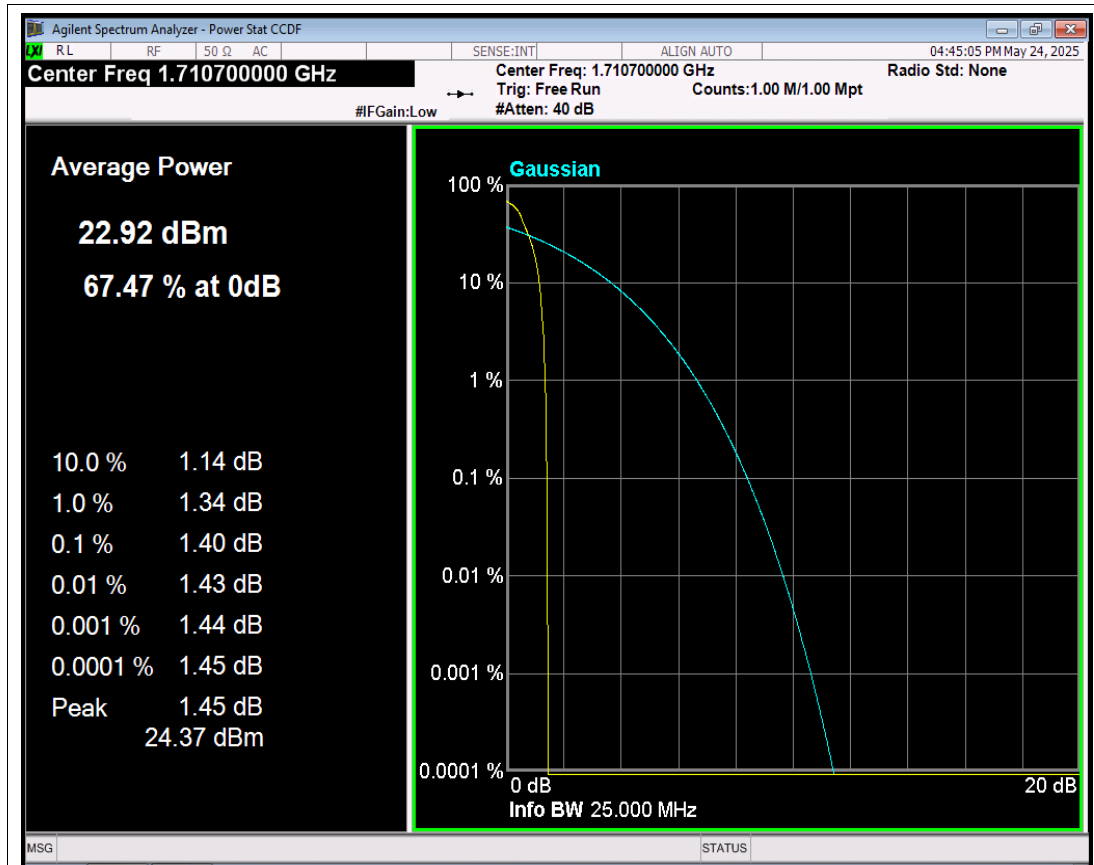
|           |    |       |         |    |       |    |     |           |            |      |     |          |
|-----------|----|-------|---------|----|-------|----|-----|-----------|------------|------|-----|----------|
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | NV | 0   | -0.9<br>2 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | NV | 10  | 0.17      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | NV | 20  | 5.24      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | NV | 30  | 4.72      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | NV | 40  | -1.1<br>0 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | QPSK  | NV | 50  | -2.1<br>7 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | NV | -30 | 3.60      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | NV | -20 | 6.44      | 0.00<br>4  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | NV | 0   | -0.1<br>4 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | NV | 10  | 3.98      | 0.00<br>2  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | NV | 20  | -4.8<br>8 | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | NV | 30  | 1.03      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | NV | 40  | -4.6<br>5 | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20175 | 10<br>0 | #0 | 16QAM | NV | 50  | 4.49      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | NV | -30 | -0.5<br>0 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | NV | -20 | 1.90      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | NV | 0   | 0.04      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | NV | 10  | -0.8<br>0 | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | NV | 20  | -5.2<br>5 | -0.0<br>03 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | NV | 30  | 4.52      | 0.00<br>3  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | NV | 40  | -3.6<br>9 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | QPSK  | NV | 50  | -1.2<br>2 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |

|           |    |       |         |    |       |    |     |           |            |      |     |          |
|-----------|----|-------|---------|----|-------|----|-----|-----------|------------|------|-----|----------|
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | 16QAM | NV | -30 | -2.9<br>5 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | 16QAM | NV | -20 | 0.67      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | 16QAM | NV | 0   | -3.4<br>9 | -0.0<br>02 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | 16QAM | NV | 10  | 1.34      | 0.00<br>1  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | 16QAM | NV | 20  | 0.66      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | 16QAM | NV | 30  | -1.8<br>7 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | 16QAM | NV | 40  | -0.8<br>9 | -0.0<br>01 | -2.5 | 2.5 | PAS<br>S |
| Ban<br>d4 | 20 | 20300 | 10<br>0 | #0 | 16QAM | NV | 50  | 0.00      | 0.00<br>0  | -2.5 | 2.5 | PAS<br>S |

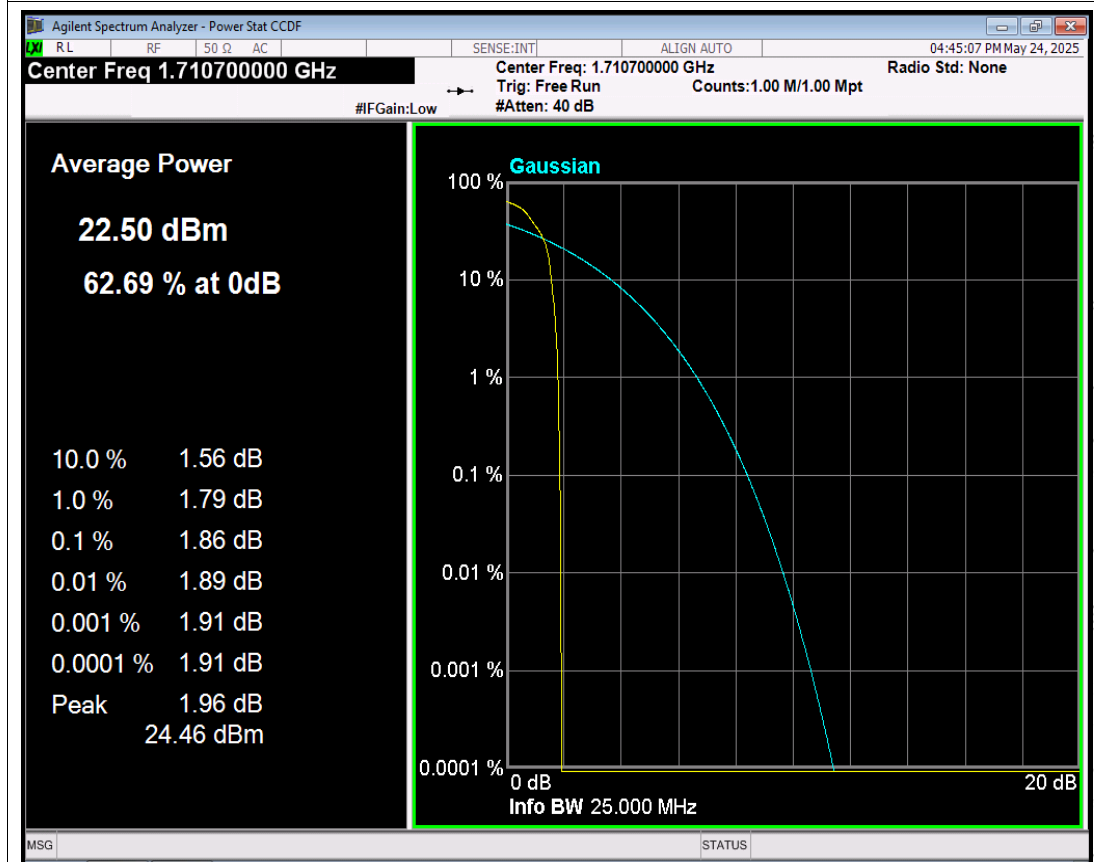


### Appendix 3. Peak-to-Average Ratio

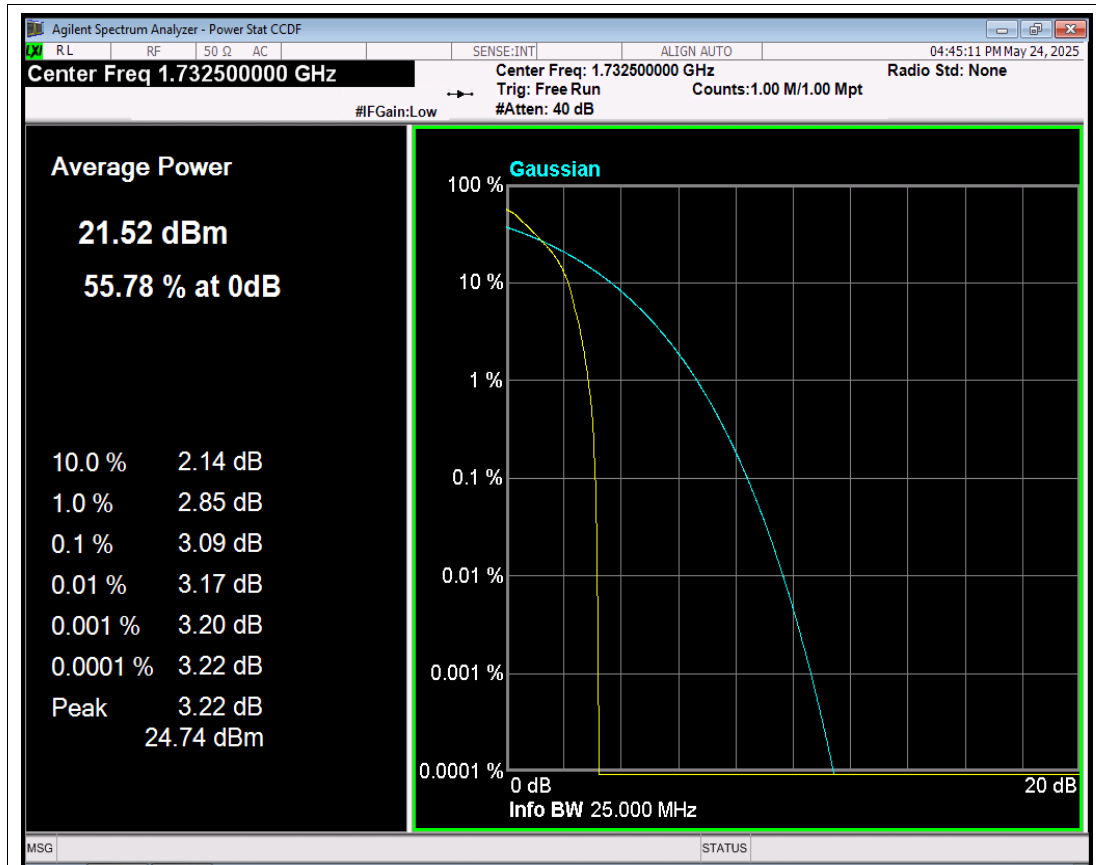
| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band4 | 1.4             | 19957      | 1       | #0          | QPSK       | 1.40        | 13              | PASS    |
| Band4 | 1.4             | 19957      | 1       | #0          | 16QAM      | 1.86        | 13              | PASS    |
| Band4 | 1.4             | 20175      | 1       | #0          | QPSK       | 3.09        | 13              | PASS    |
| Band4 | 1.4             | 20175      | 1       | #0          | 16QAM      | 3.65        | 13              | PASS    |
| Band4 | 1.4             | 20393      | 1       | #0          | QPSK       | 3.89        | 13              | PASS    |
| Band4 | 1.4             | 20393      | 1       | #0          | 16QAM      | 2.22        | 13              | PASS    |
| Band4 | 3               | 19965      | 1       | #0          | QPSK       | 1.46        | 13              | PASS    |
| Band4 | 3               | 19965      | 1       | #0          | 16QAM      | 1.85        | 13              | PASS    |
| Band4 | 3               | 20175      | 1       | #0          | QPSK       | 2.97        | 13              | PASS    |
| Band4 | 3               | 20175      | 1       | #0          | 16QAM      | 3.43        | 13              | PASS    |
| Band4 | 3               | 20385      | 1       | #0          | QPSK       | 1.91        | 13              | PASS    |
| Band4 | 3               | 20385      | 1       | #0          | 16QAM      | 2.69        | 13              | PASS    |
| Band4 | 5               | 19975      | 1       | #0          | QPSK       | 1.59        | 13              | PASS    |
| Band4 | 5               | 19975      | 1       | #0          | 16QAM      | 1.98        | 13              | PASS    |
| Band4 | 5               | 20175      | 1       | #0          | QPSK       | 2.96        | 13              | PASS    |
| Band4 | 5               | 20175      | 1       | #0          | 16QAM      | 3.30        | 13              | PASS    |
| Band4 | 5               | 20375      | 1       | #0          | QPSK       | 2.69        | 13              | PASS    |
| Band4 | 5               | 20375      | 1       | #0          | 16QAM      | 3.30        | 13              | PASS    |
| Band4 | 10              | 20000      | 1       | #0          | QPSK       | 1.49        | 13              | PASS    |
| Band4 | 10              | 20000      | 1       | #0          | 16QAM      | 1.89        | 13              | PASS    |
| Band4 | 10              | 20175      | 1       | #0          | QPSK       | 2.49        | 13              | PASS    |
| Band4 | 10              | 20175      | 1       | #0          | 16QAM      | 3.01        | 13              | PASS    |
| Band4 | 10              | 20350      | 1       | #0          | QPSK       | 2.82        | 13              | PASS    |
| Band4 | 10              | 20350      | 1       | #0          | 16QAM      | 3.66        | 13              | PASS    |
| Band4 | 15              | 20025      | 1       | #0          | QPSK       | 1.42        | 13              | PASS    |
| Band4 | 15              | 20025      | 1       | #0          | 16QAM      | 1.83        | 13              | PASS    |
| Band4 | 15              | 20175      | 1       | #0          | QPSK       | 1.96        | 13              | PASS    |
| Band4 | 15              | 20175      | 1       | #0          | 16QAM      | 2.41        | 13              | PASS    |
| Band4 | 15              | 20325      | 1       | #0          | QPSK       | 3.17        | 13              | PASS    |
| Band4 | 15              | 20325      | 1       | #0          | 16QAM      | 3.47        | 13              | PASS    |
| Band4 | 20              | 20050      | 1       | #0          | QPSK       | 1.29        | 13              | PASS    |
| Band4 | 20              | 20050      | 1       | #0          | 16QAM      | 1.64        | 13              | PASS    |
| Band4 | 20              | 20175      | 1       | #0          | QPSK       | 1.54        | 13              | PASS    |
| Band4 | 20              | 20175      | 1       | #0          | 16QAM      | 2.01        | 13              | PASS    |
| Band4 | 20              | 20300      | 1       | #0          | QPSK       | 3.16        | 13              | PASS    |
| Band4 | 20              | 20300      | 1       | #0          | 16QAM      | 3.58        | 13              | PASS    |



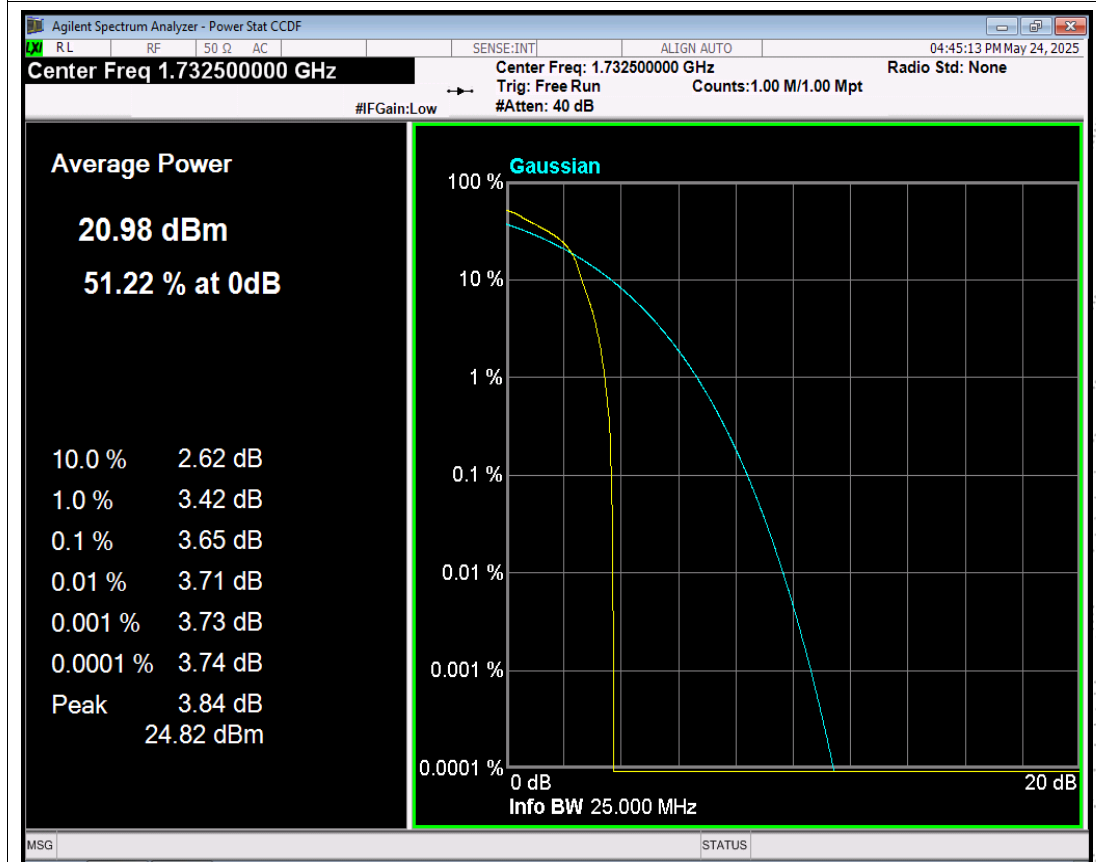
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT



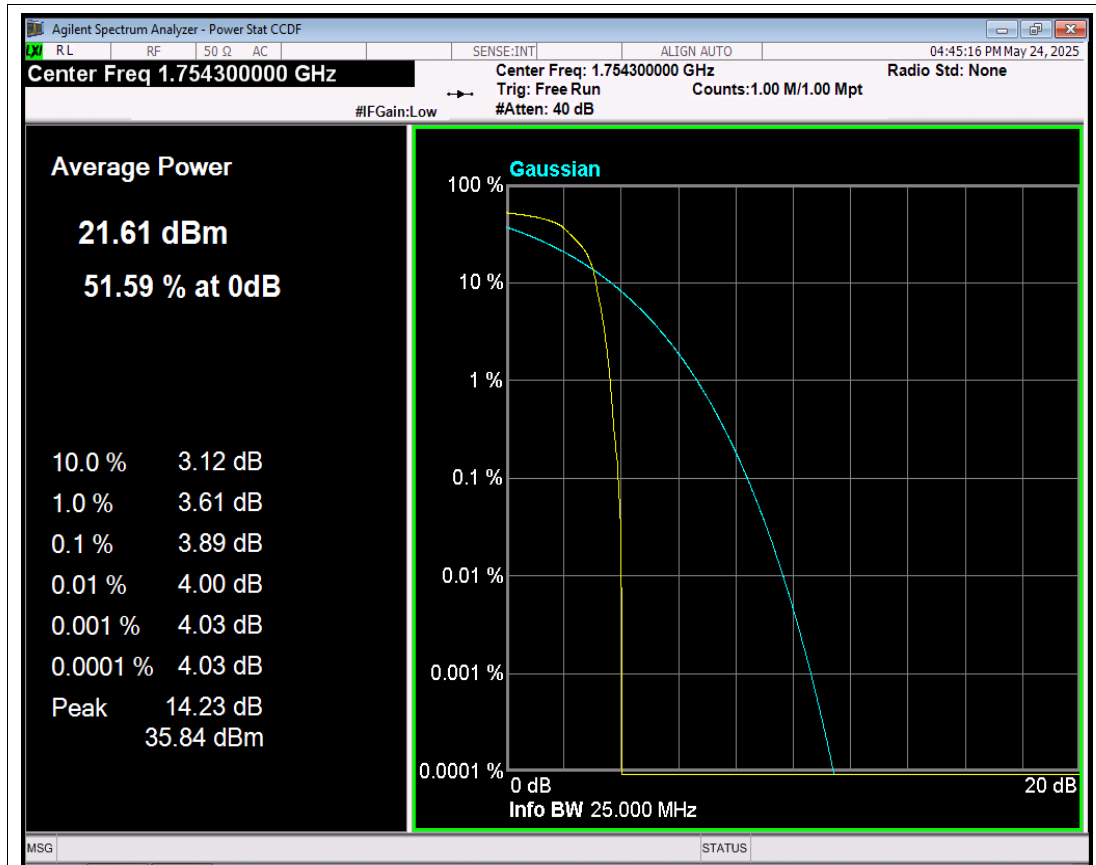
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT



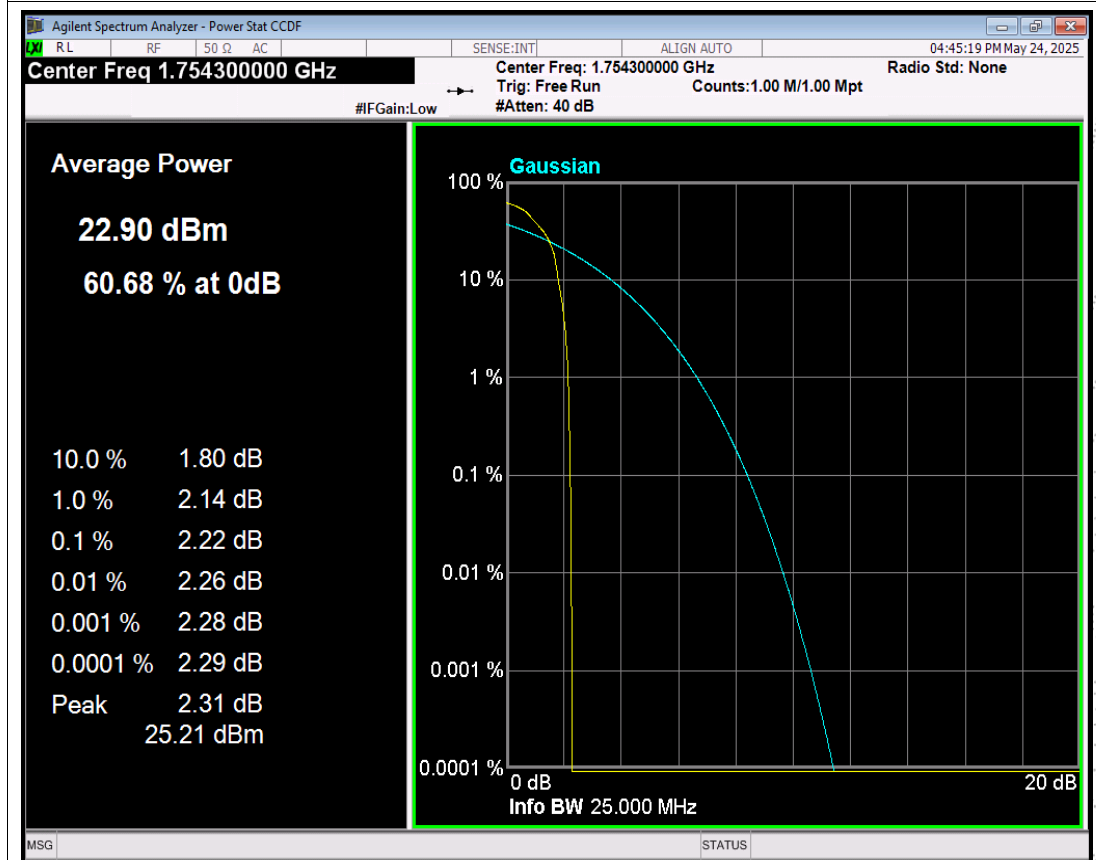
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT



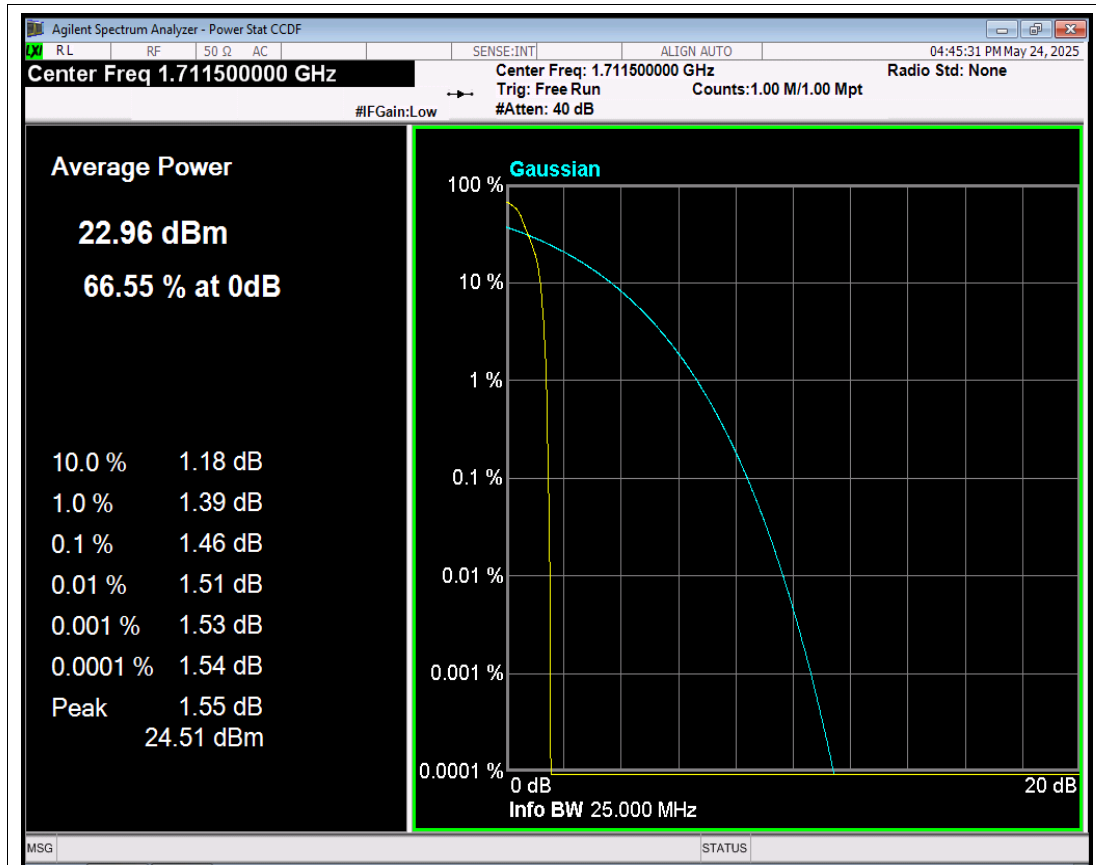
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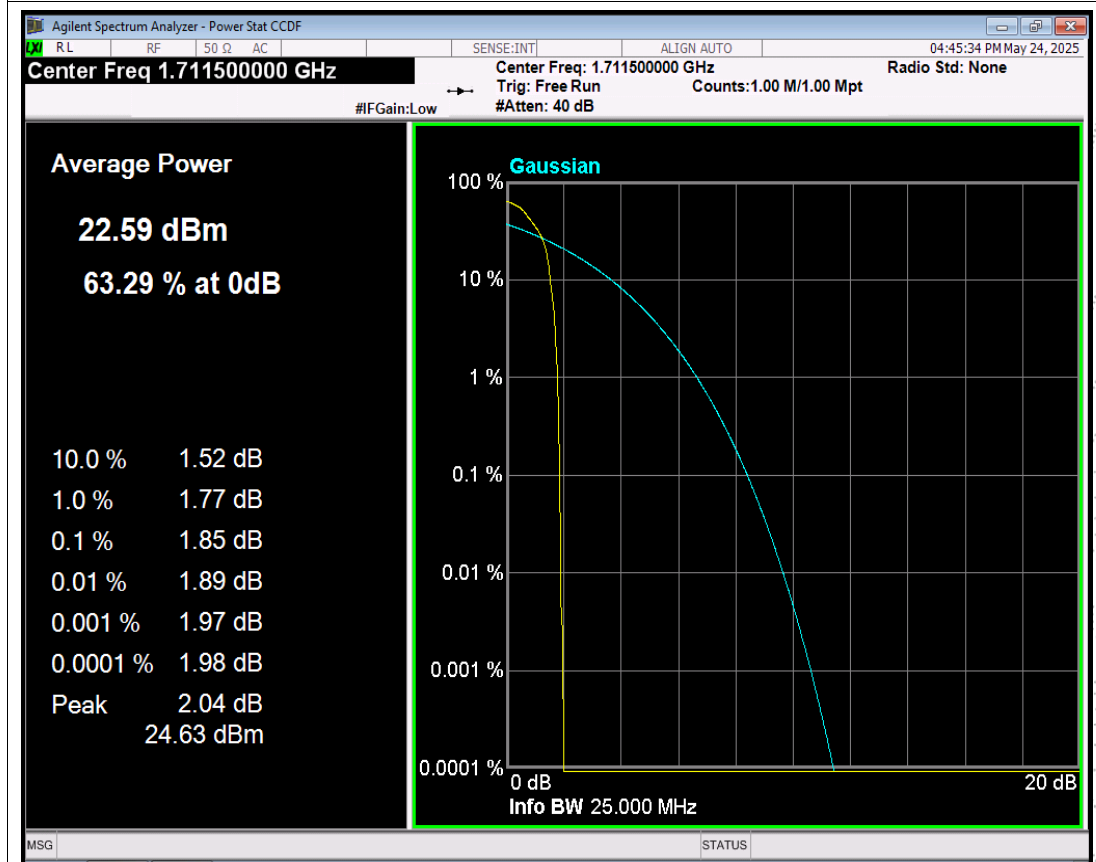
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0 NVNT



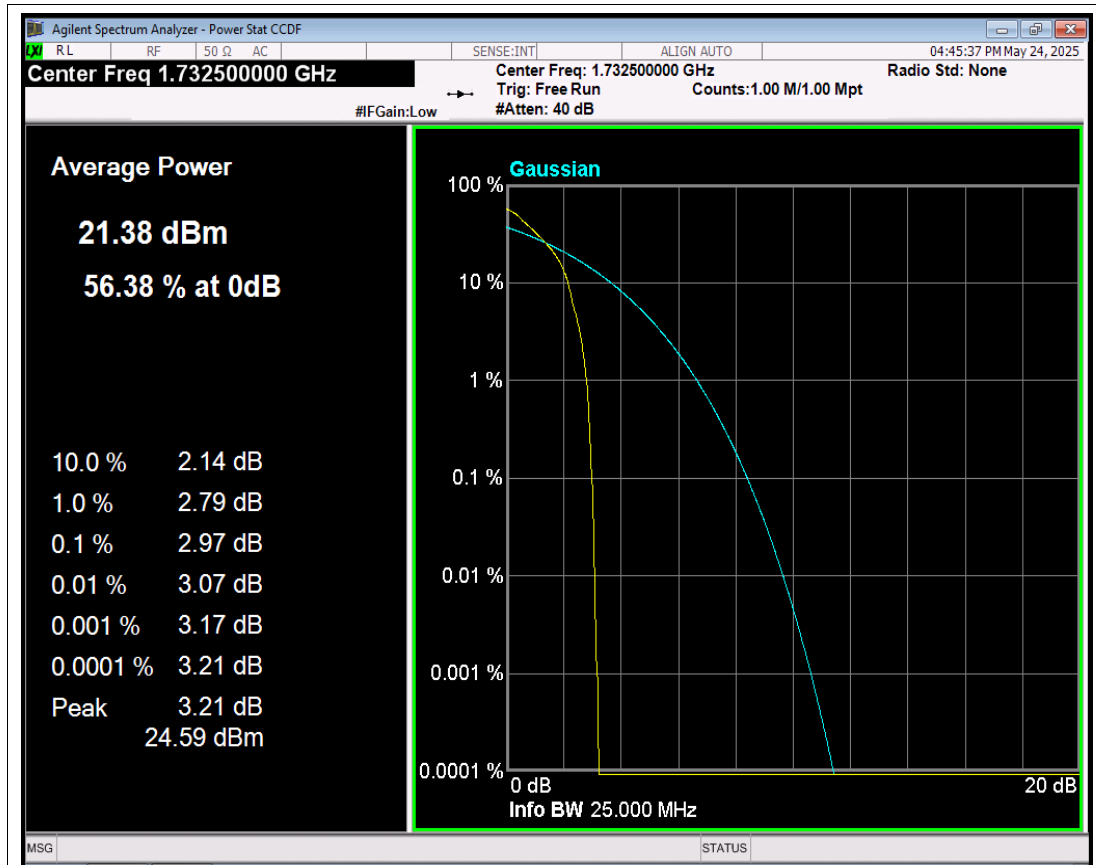
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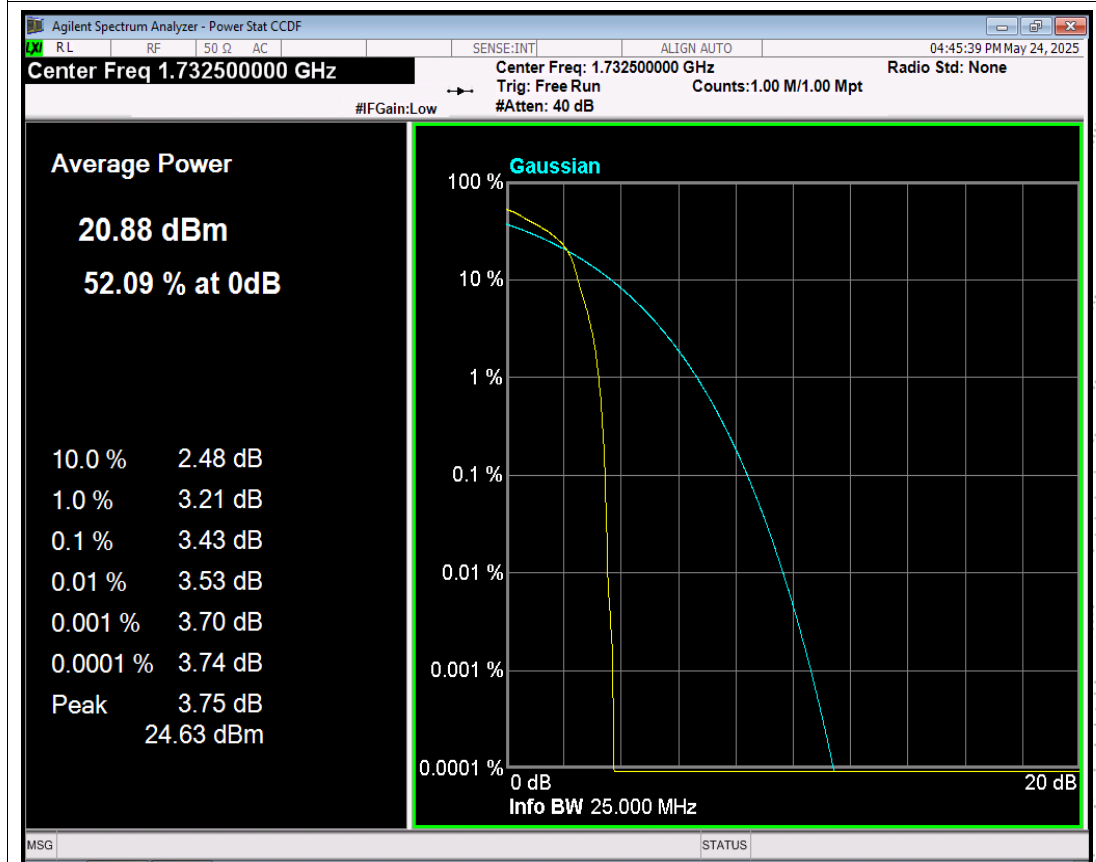
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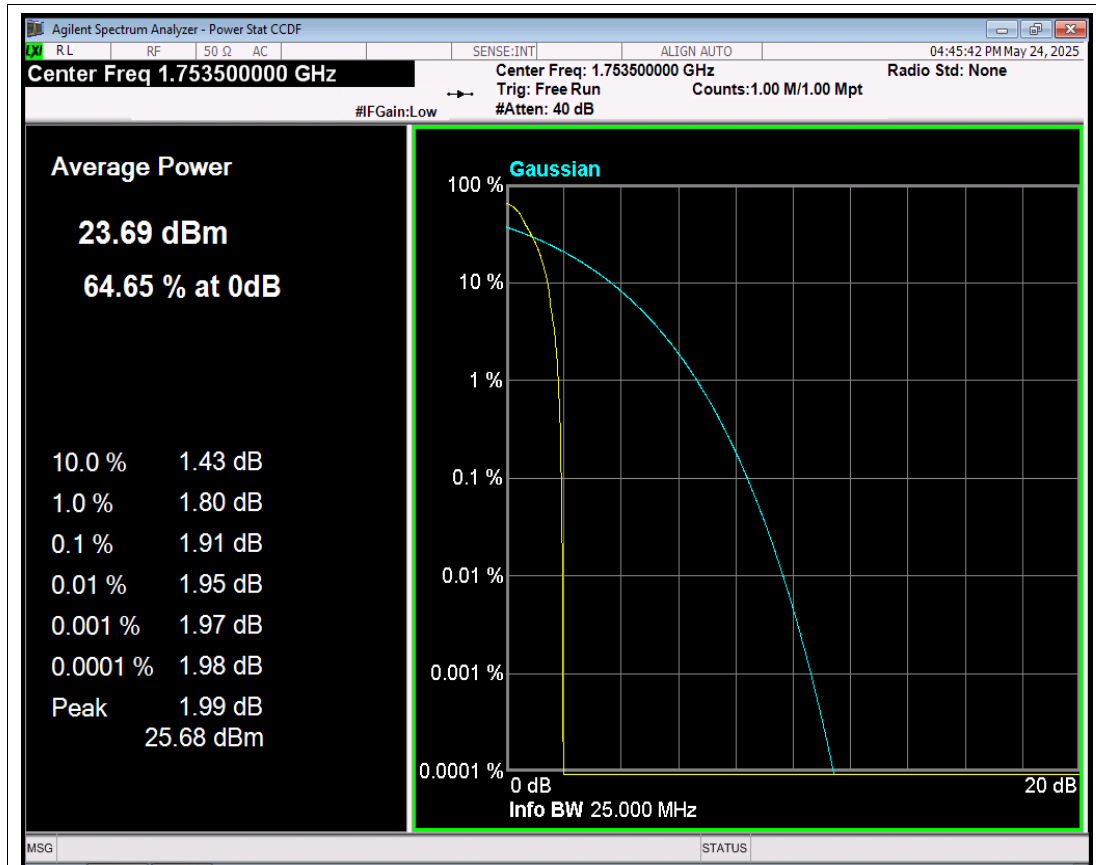
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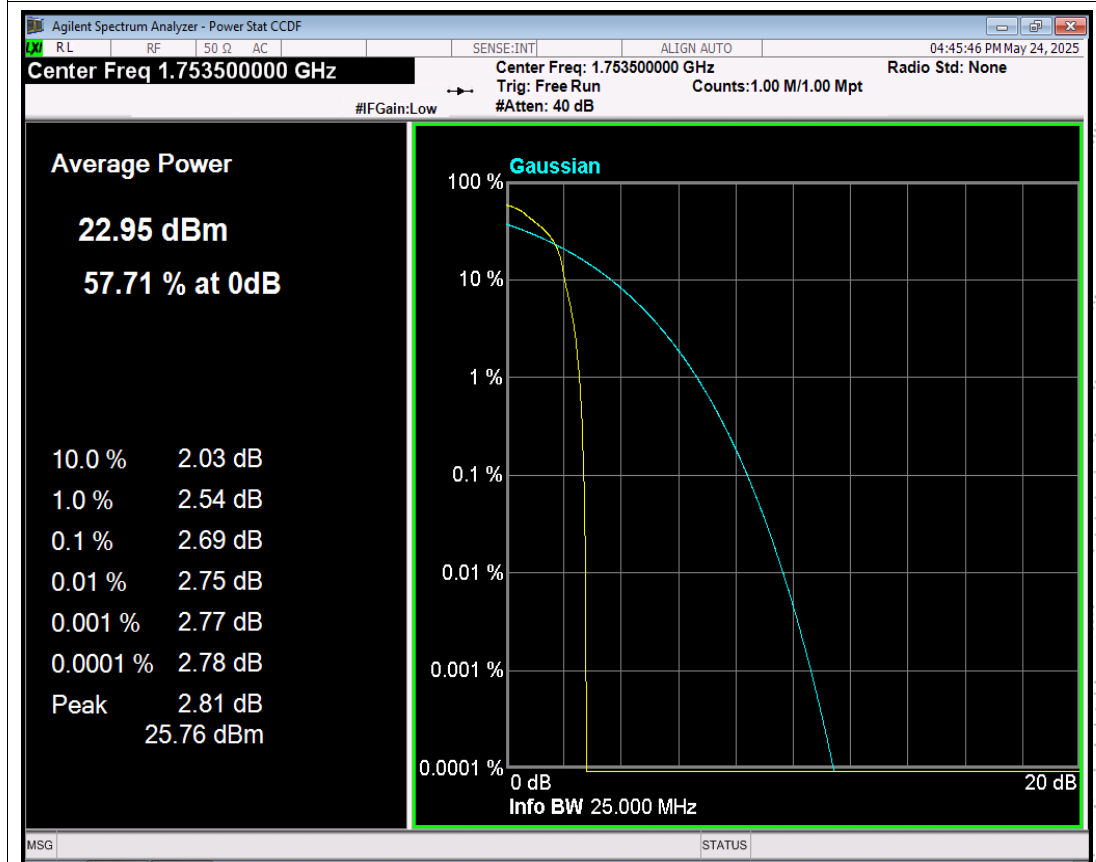
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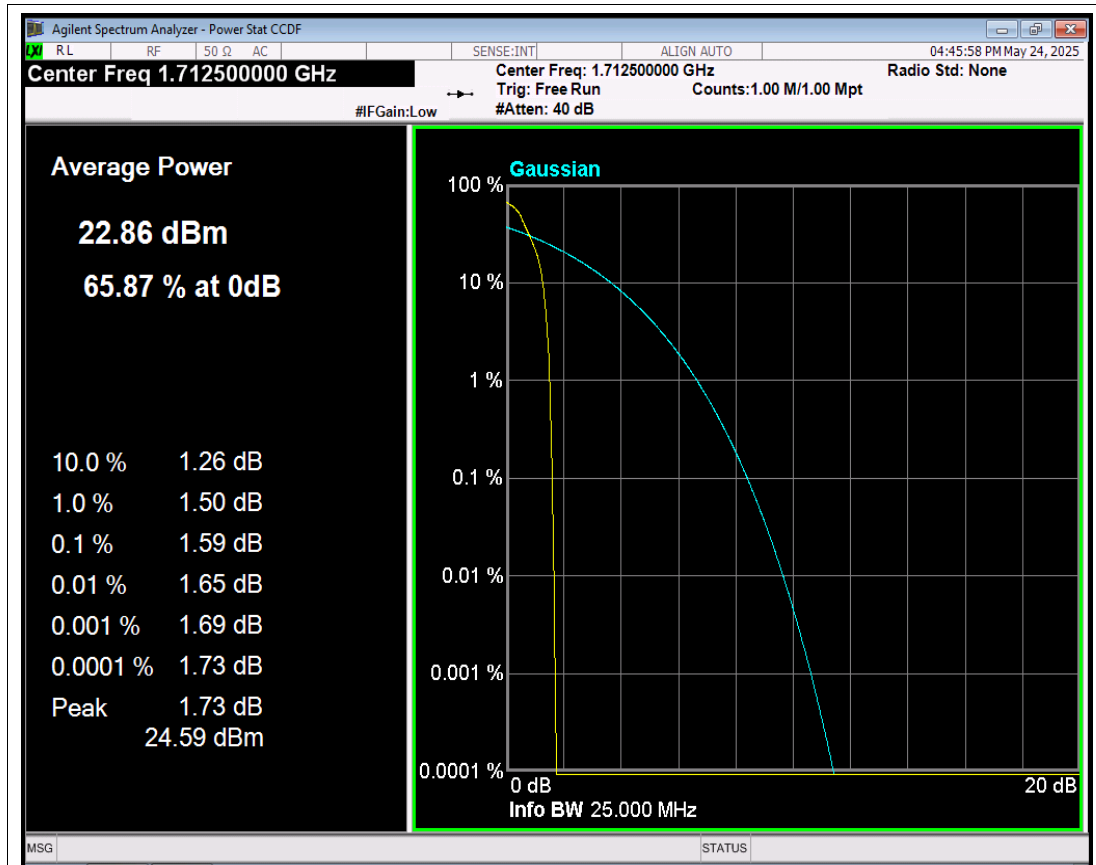
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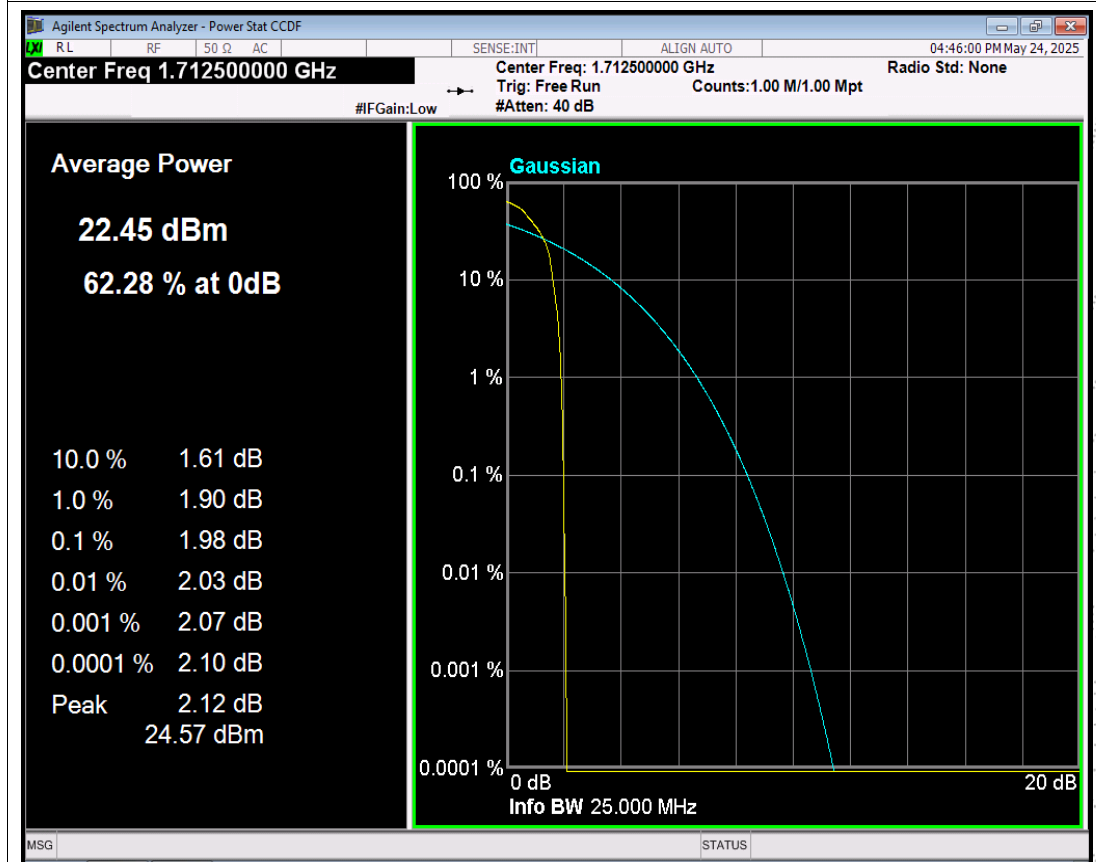
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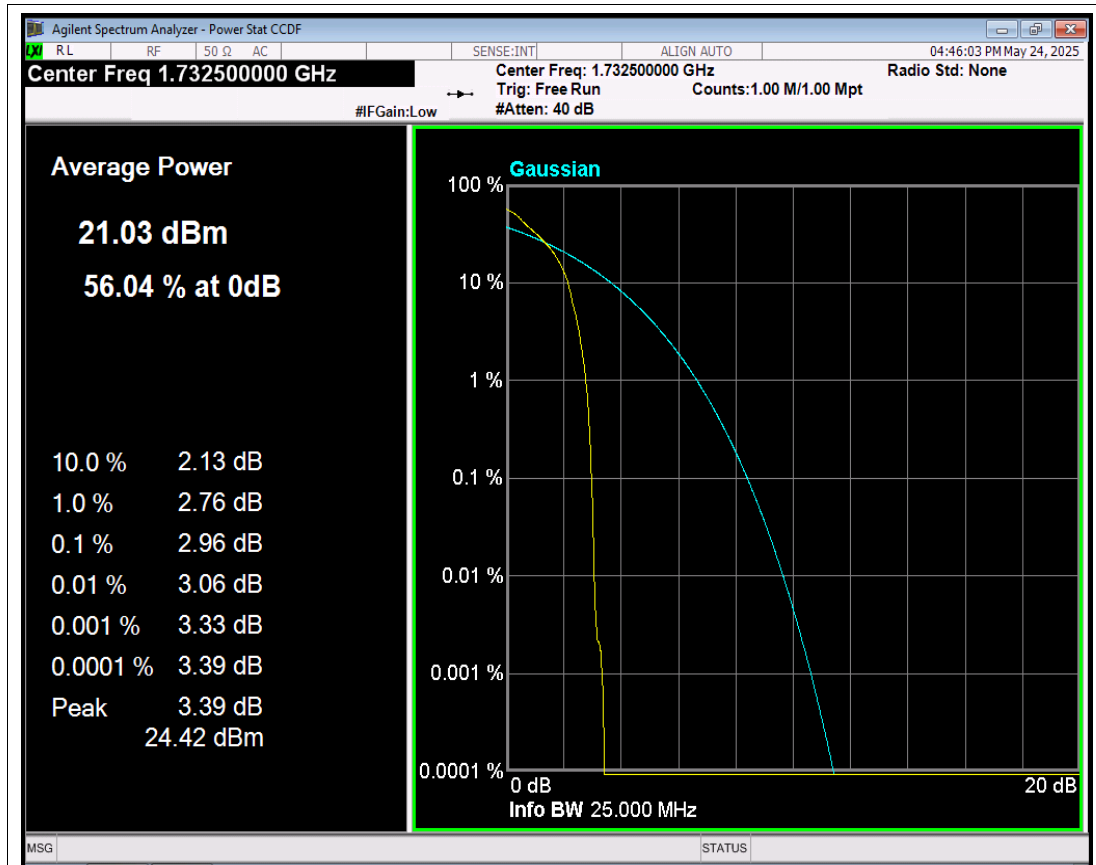
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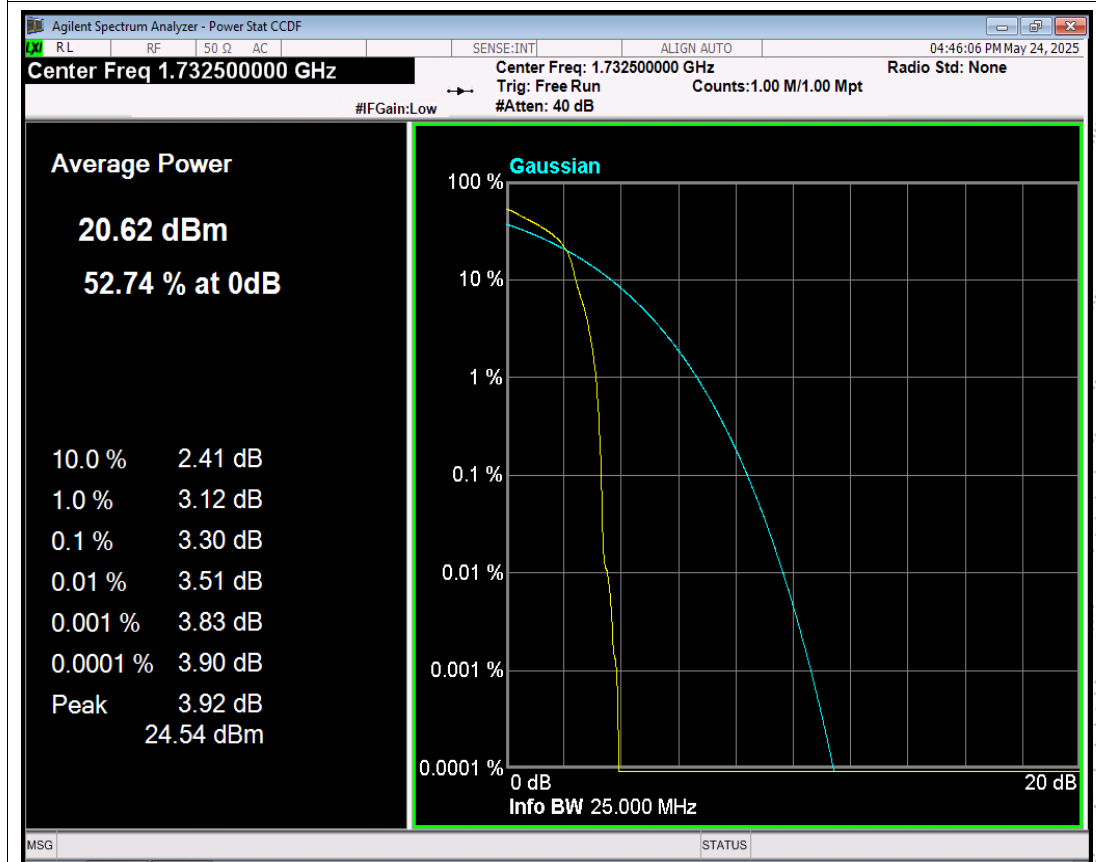
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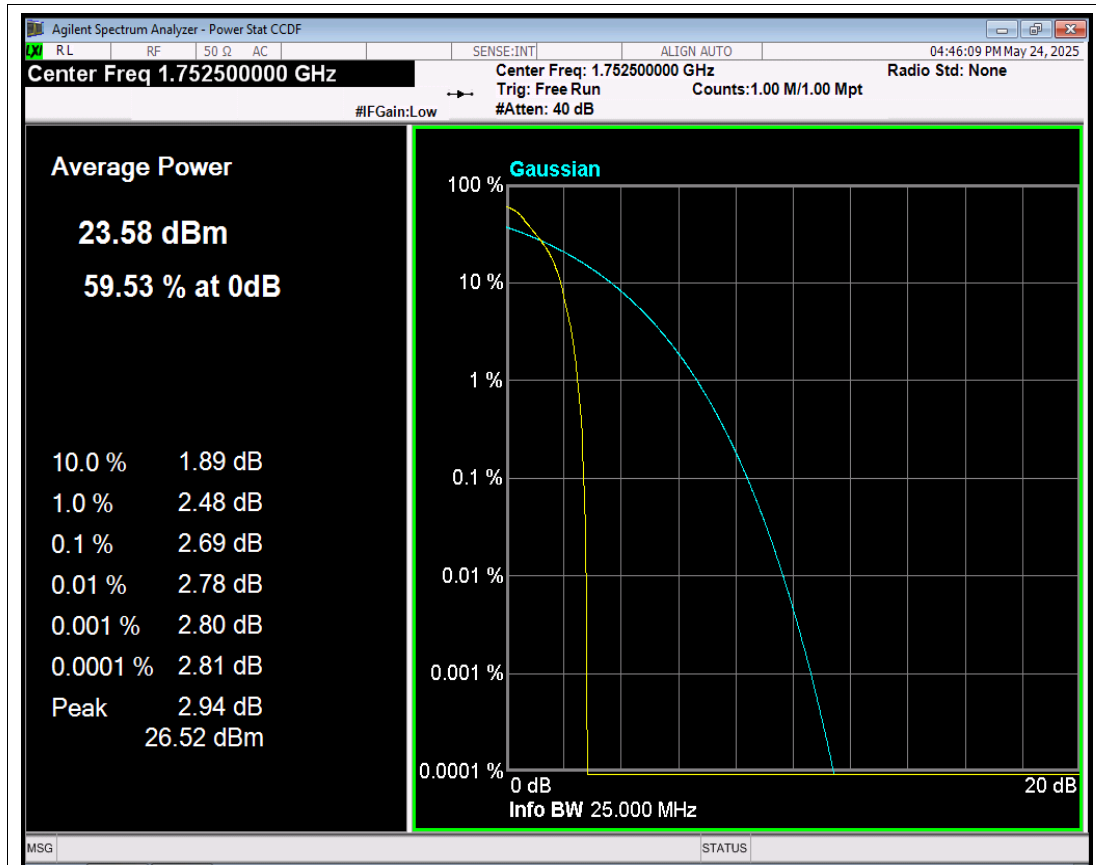
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT



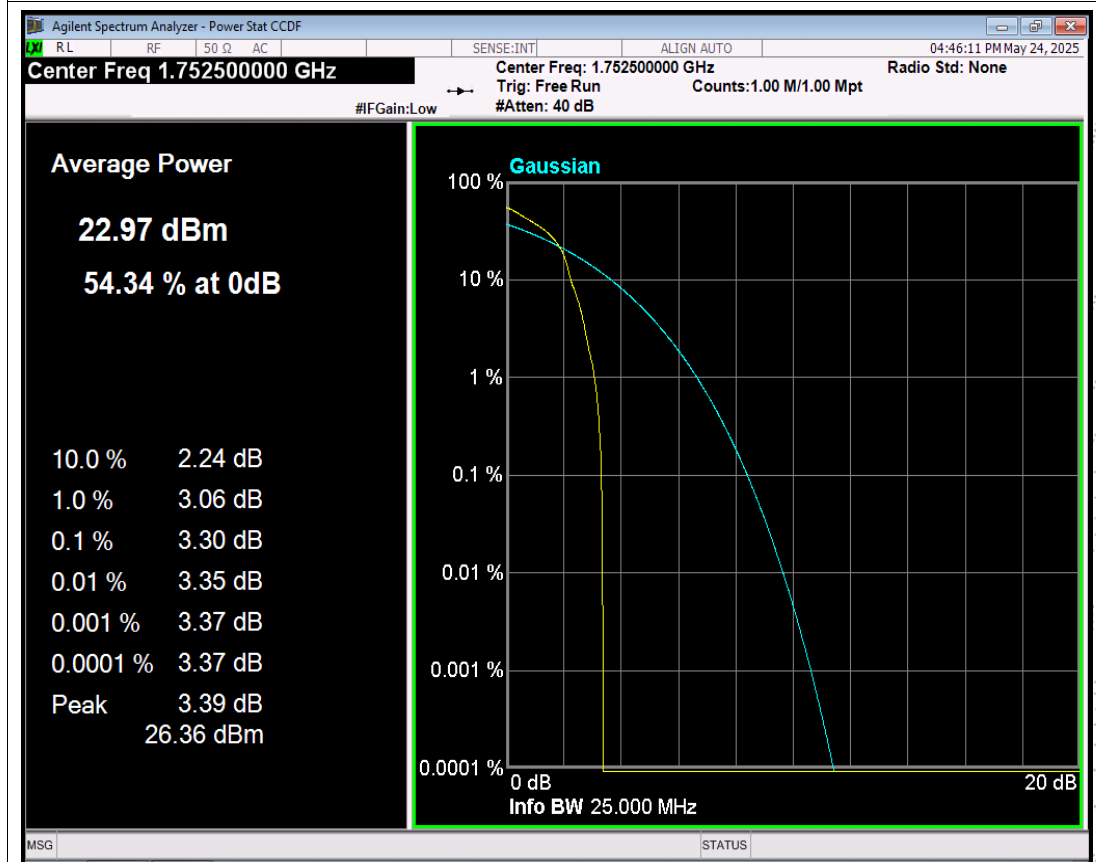
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT



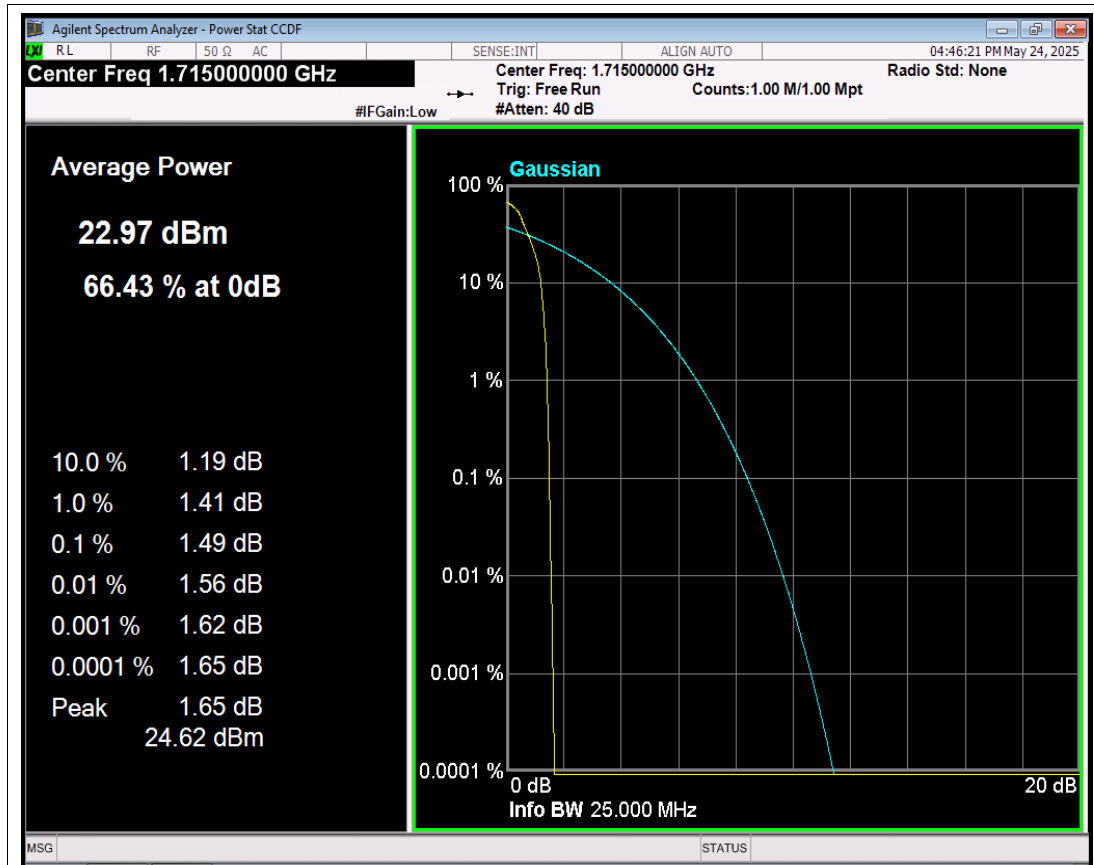
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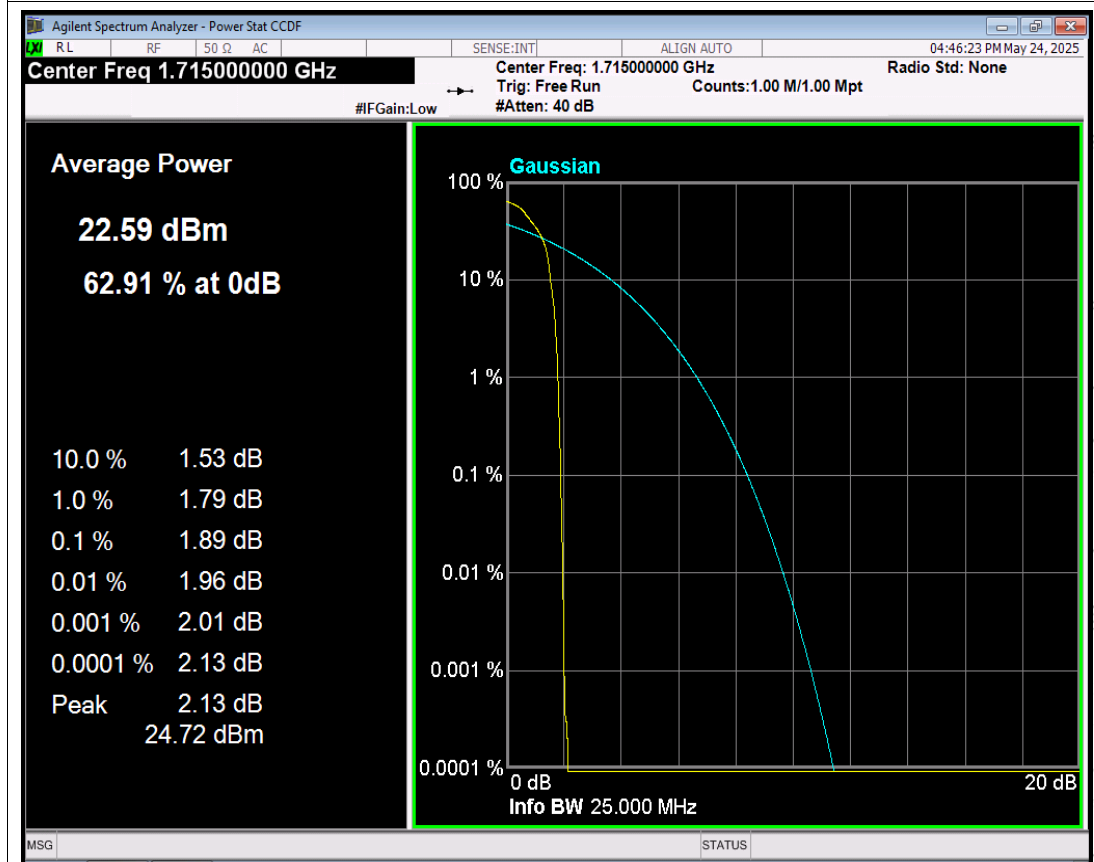
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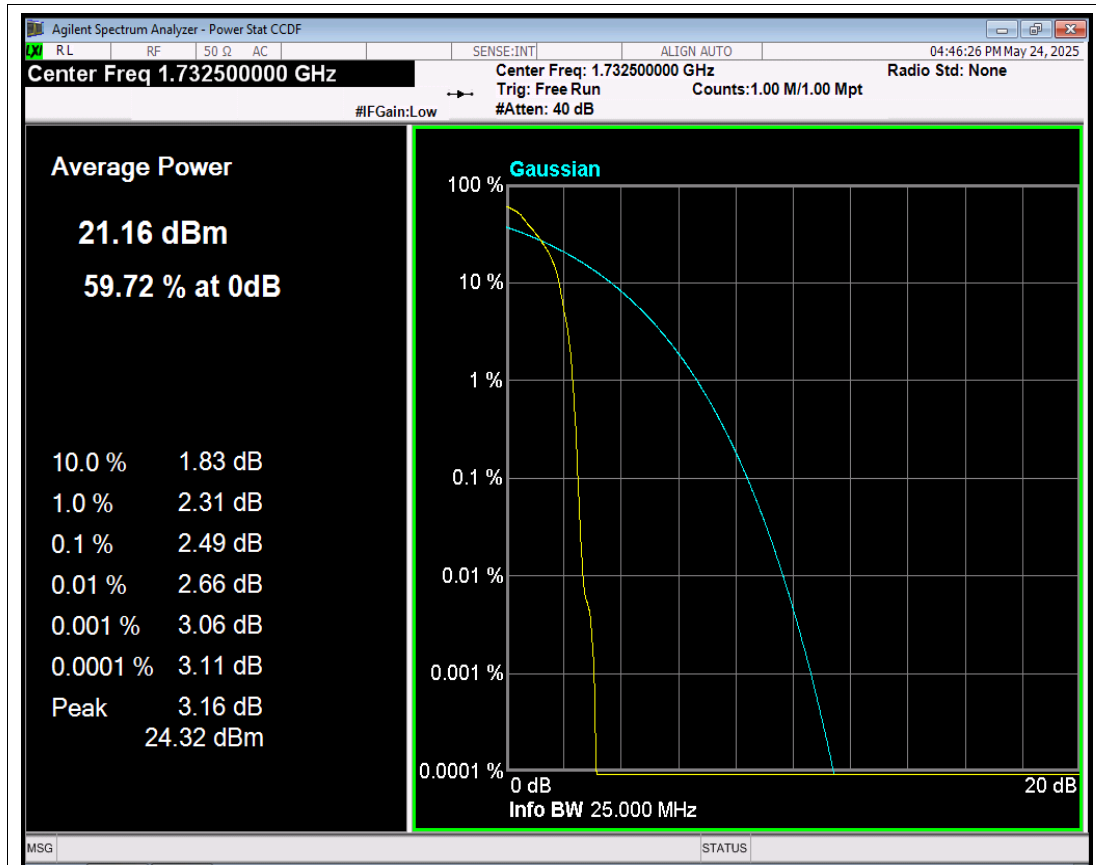
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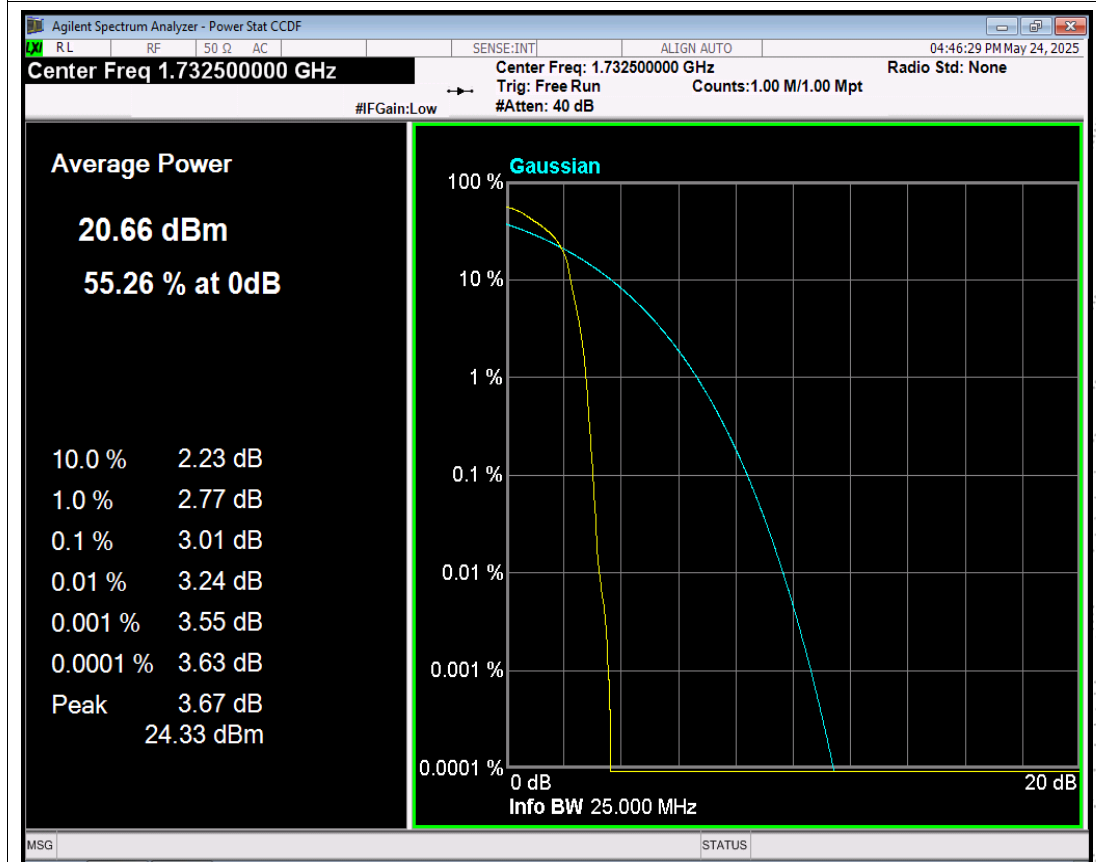
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT



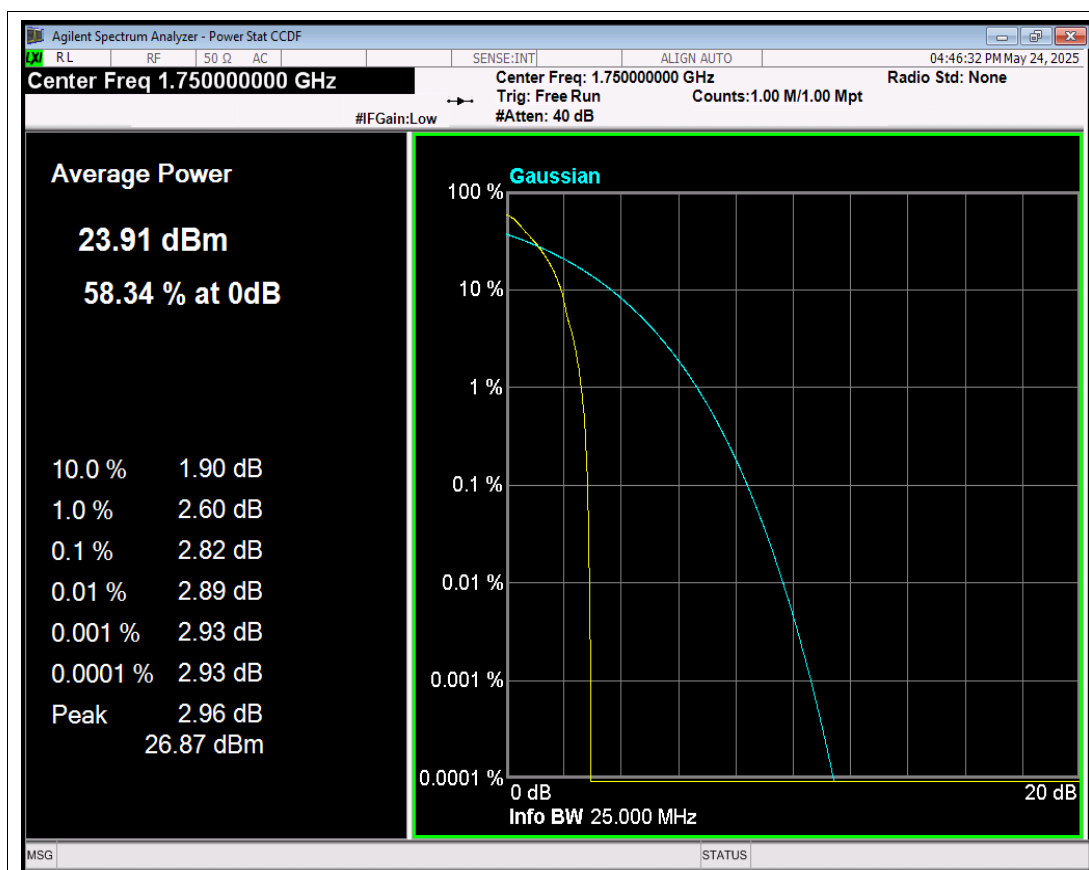
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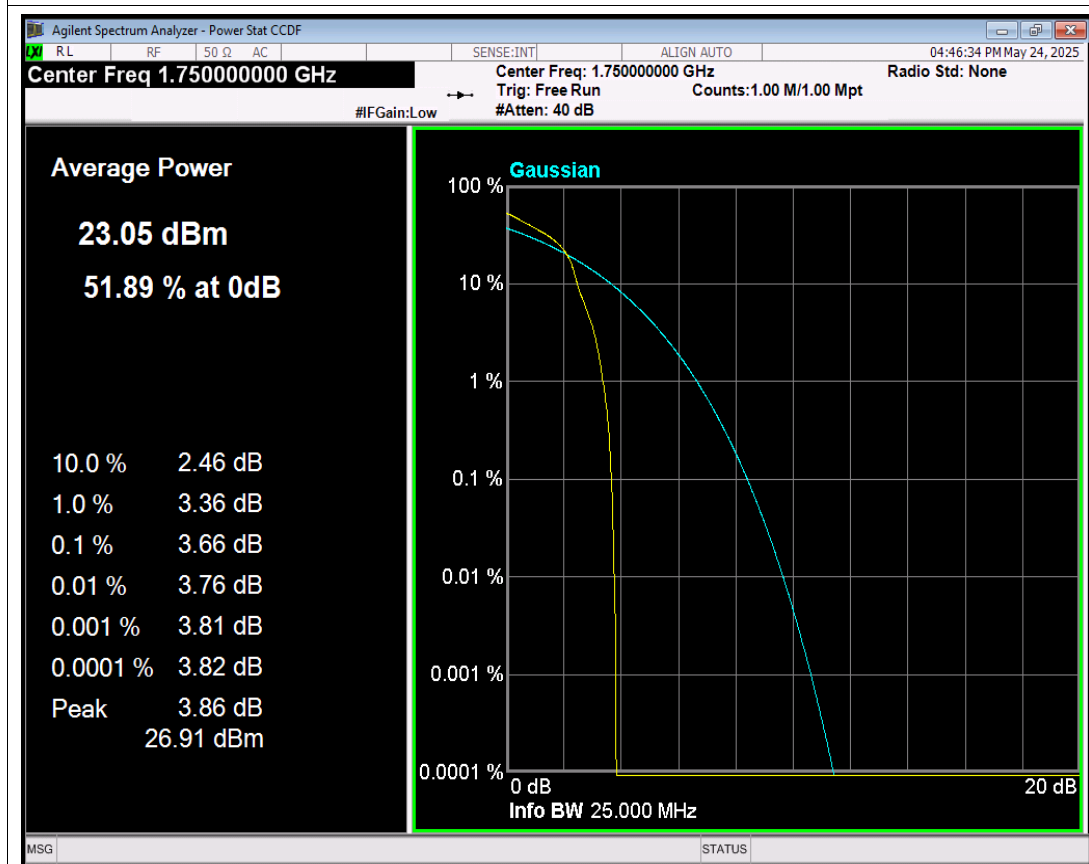
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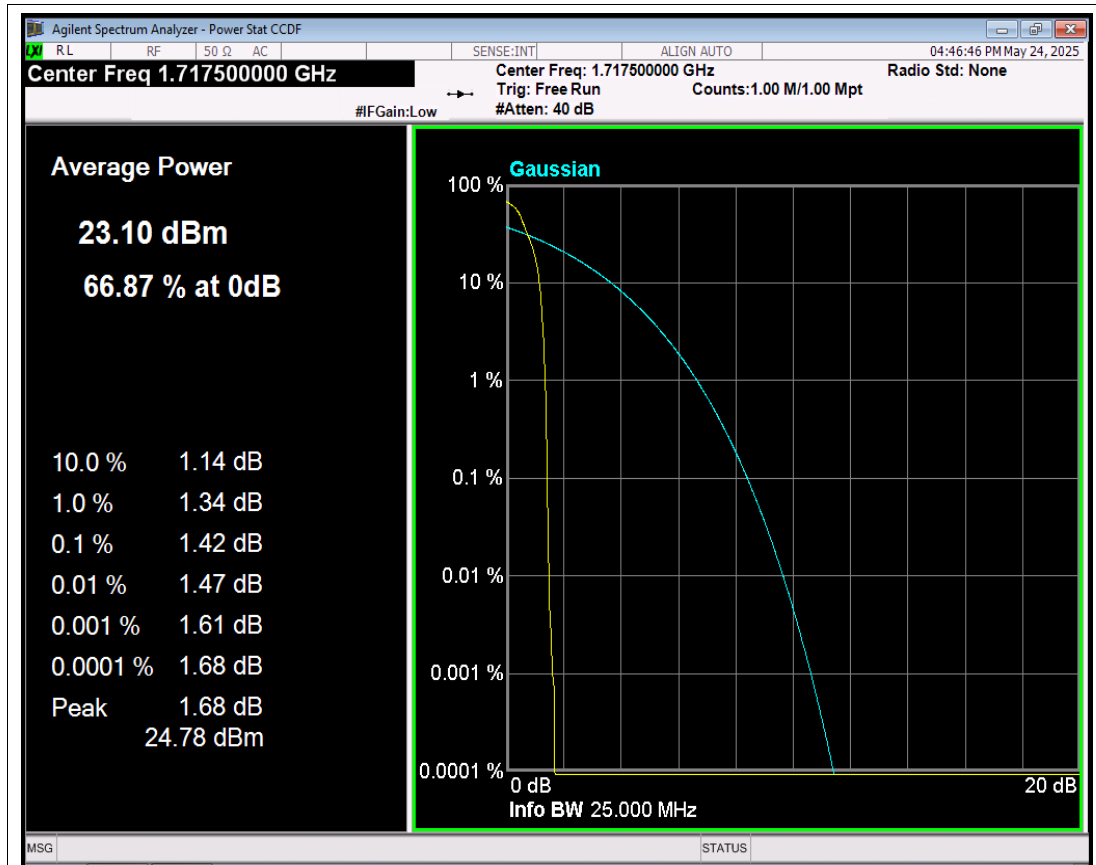
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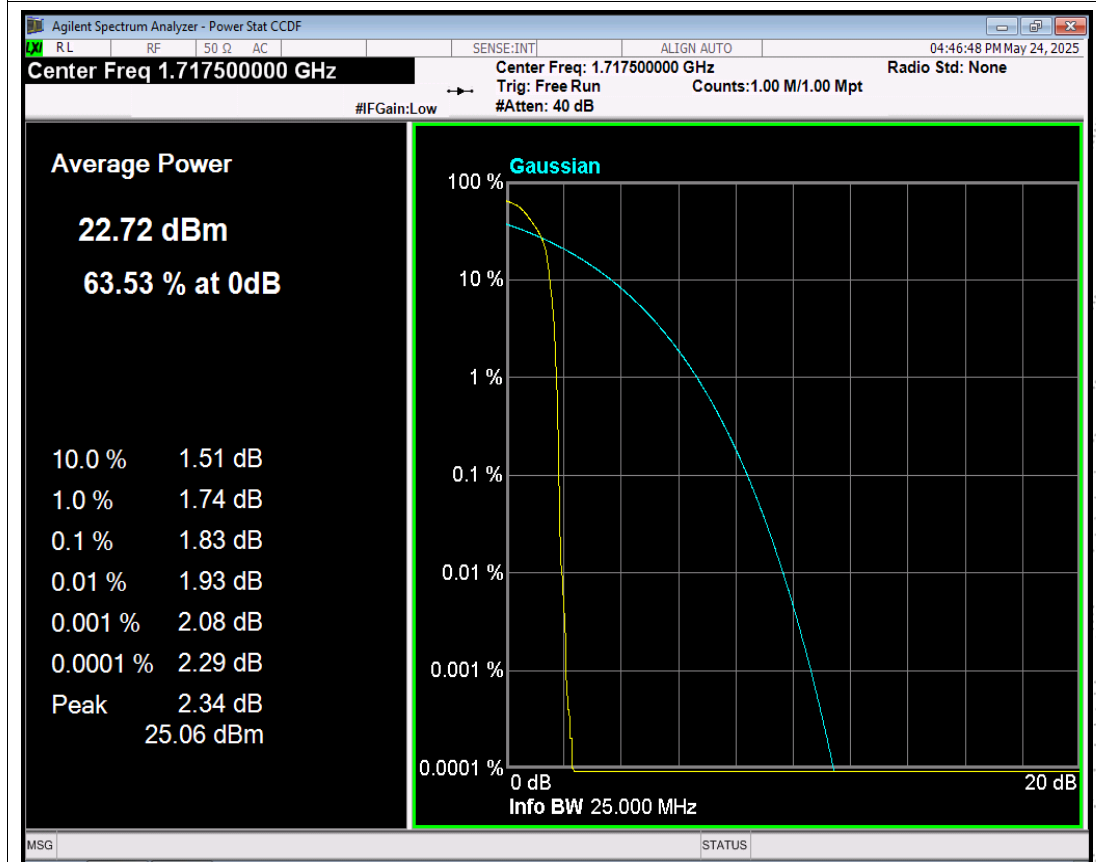
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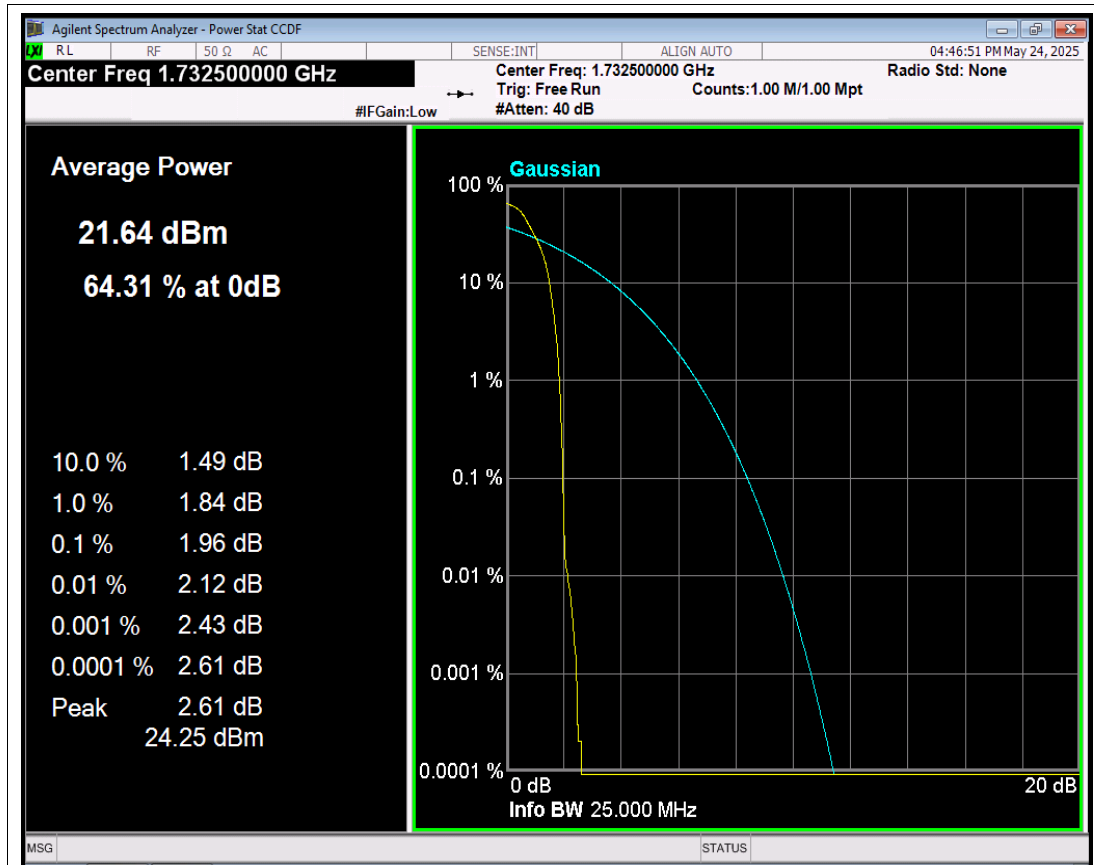
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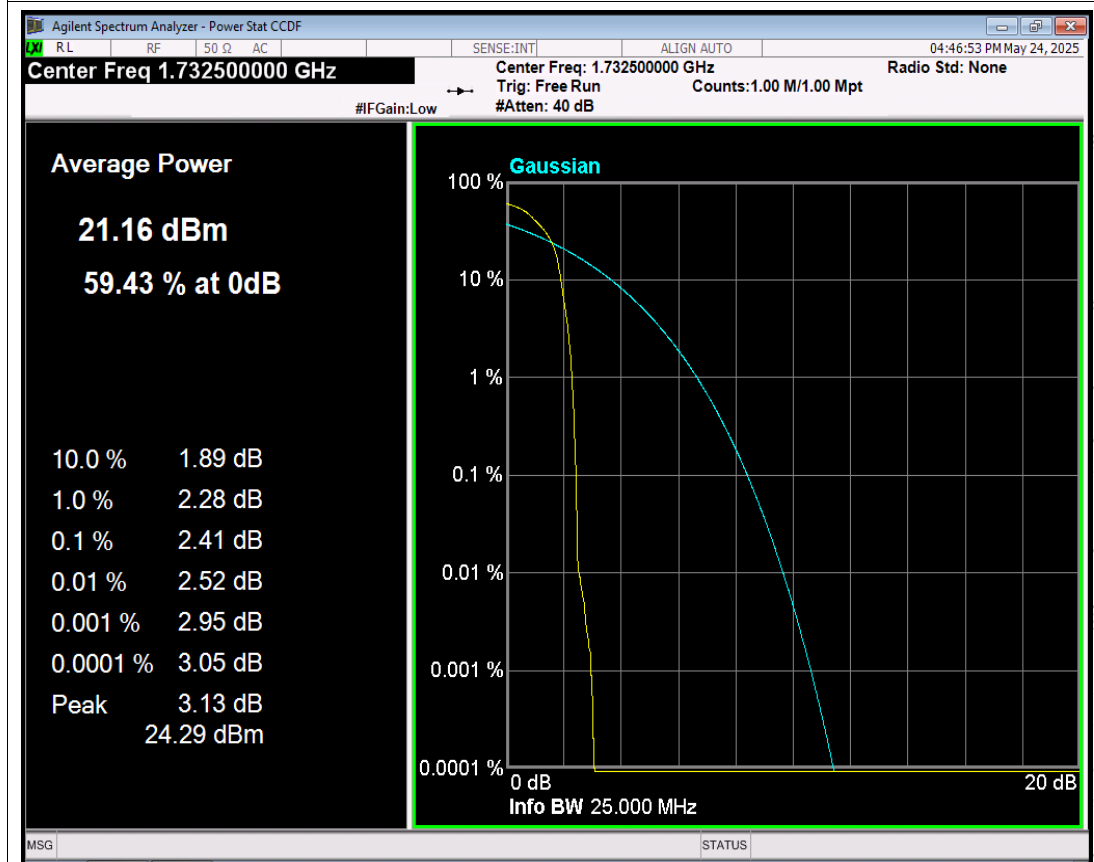
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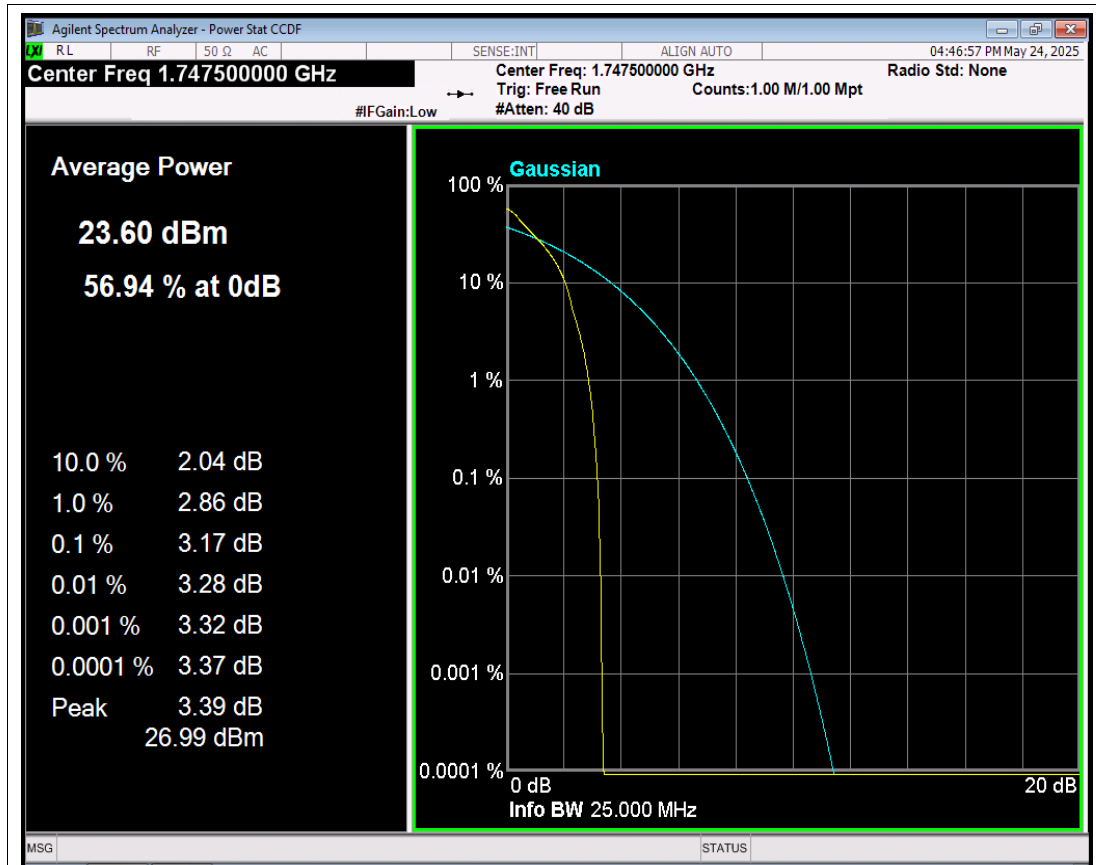
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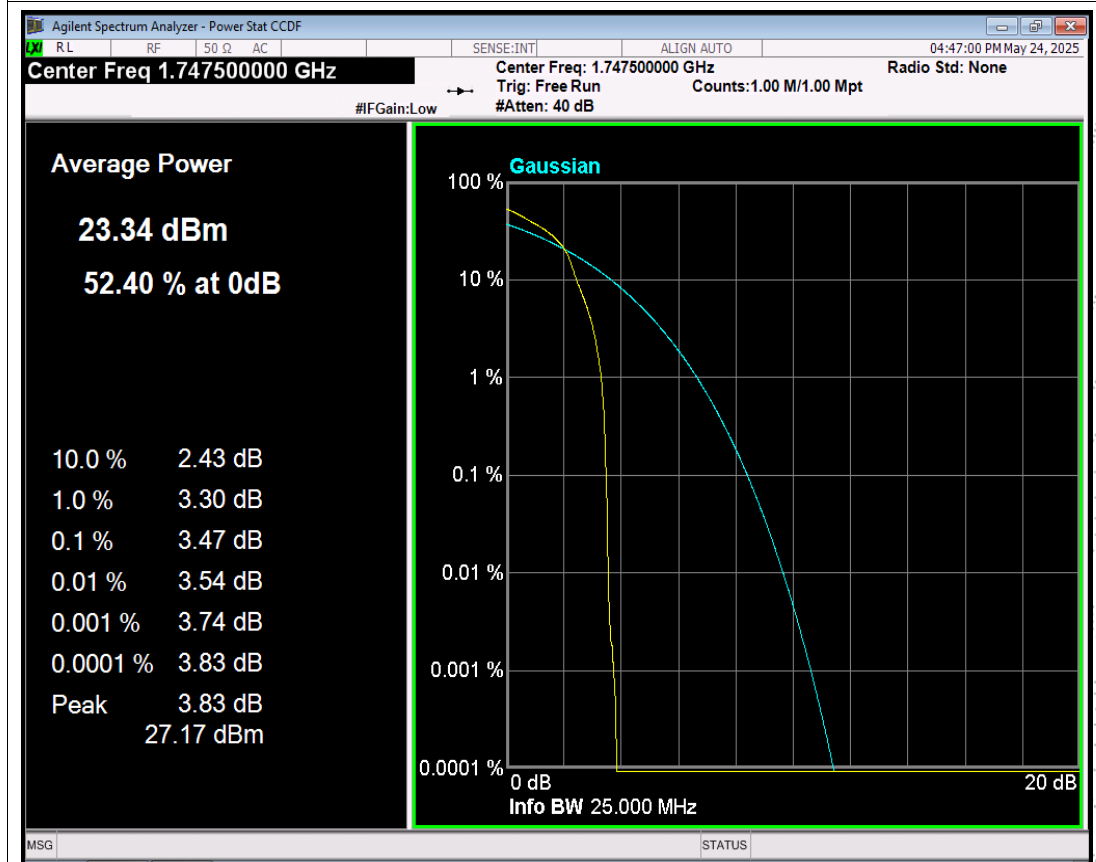
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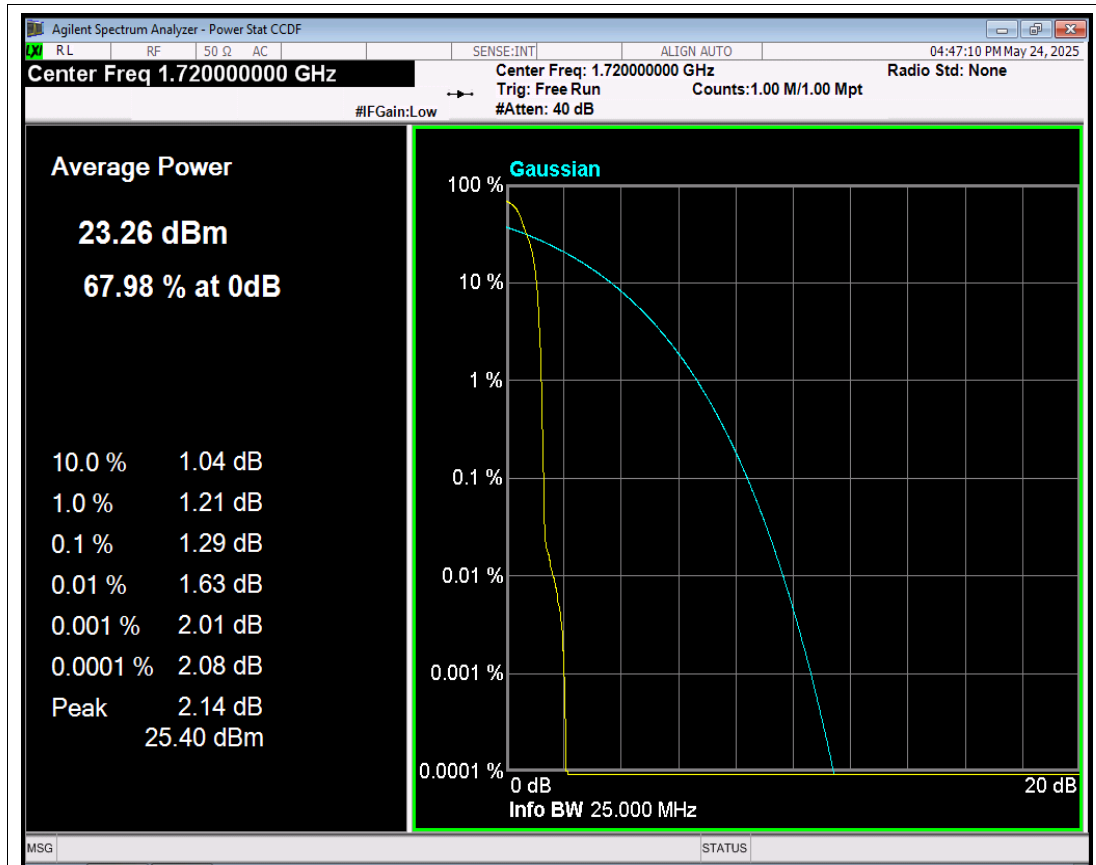
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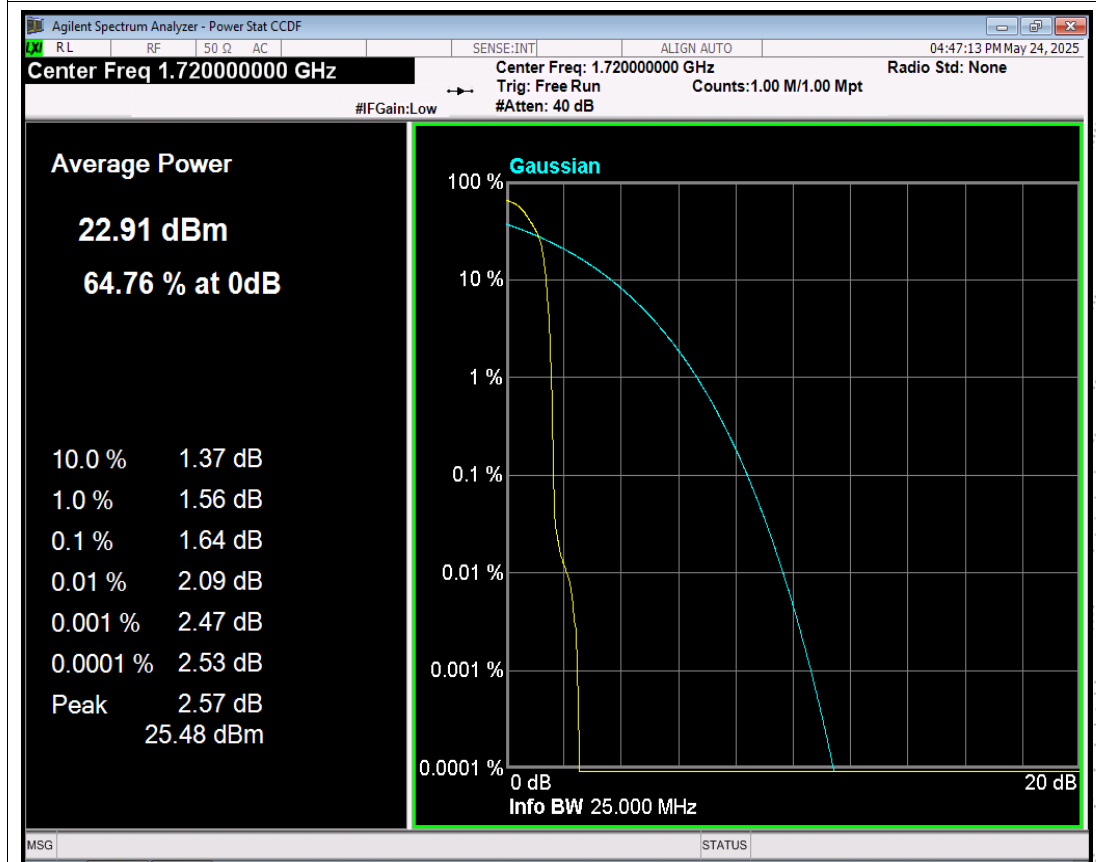
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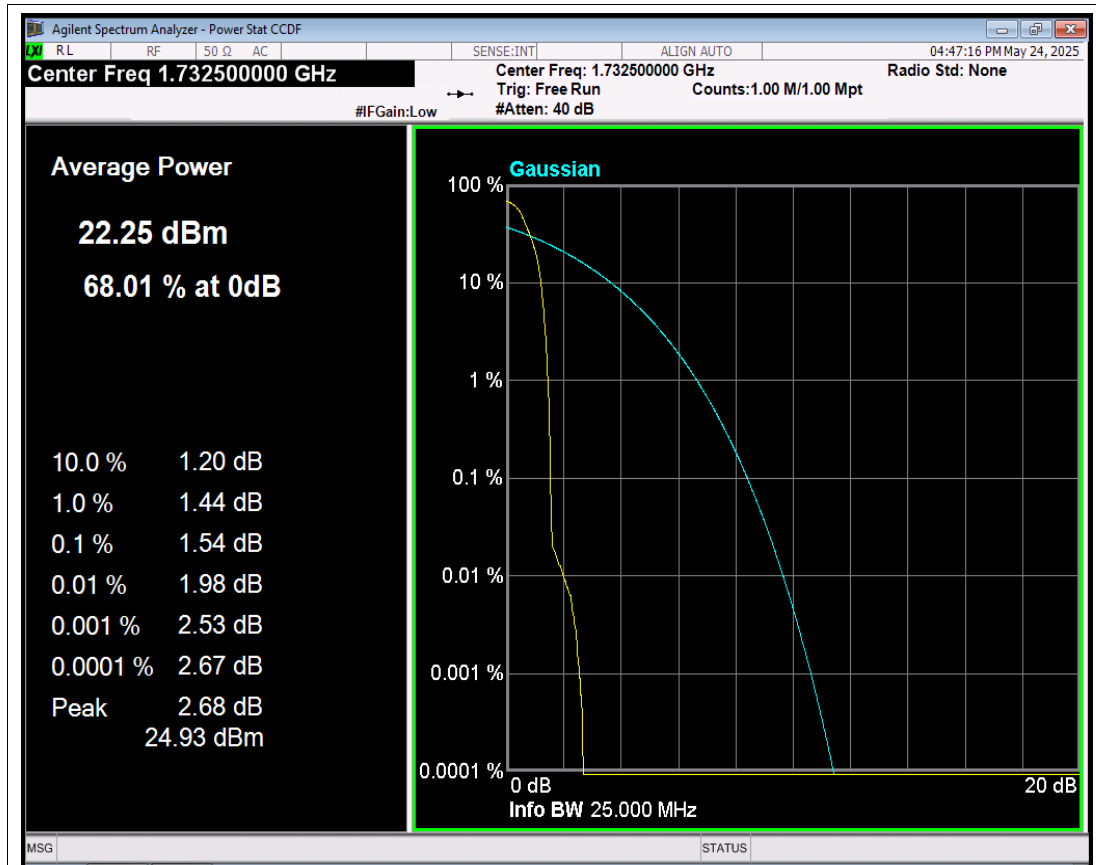
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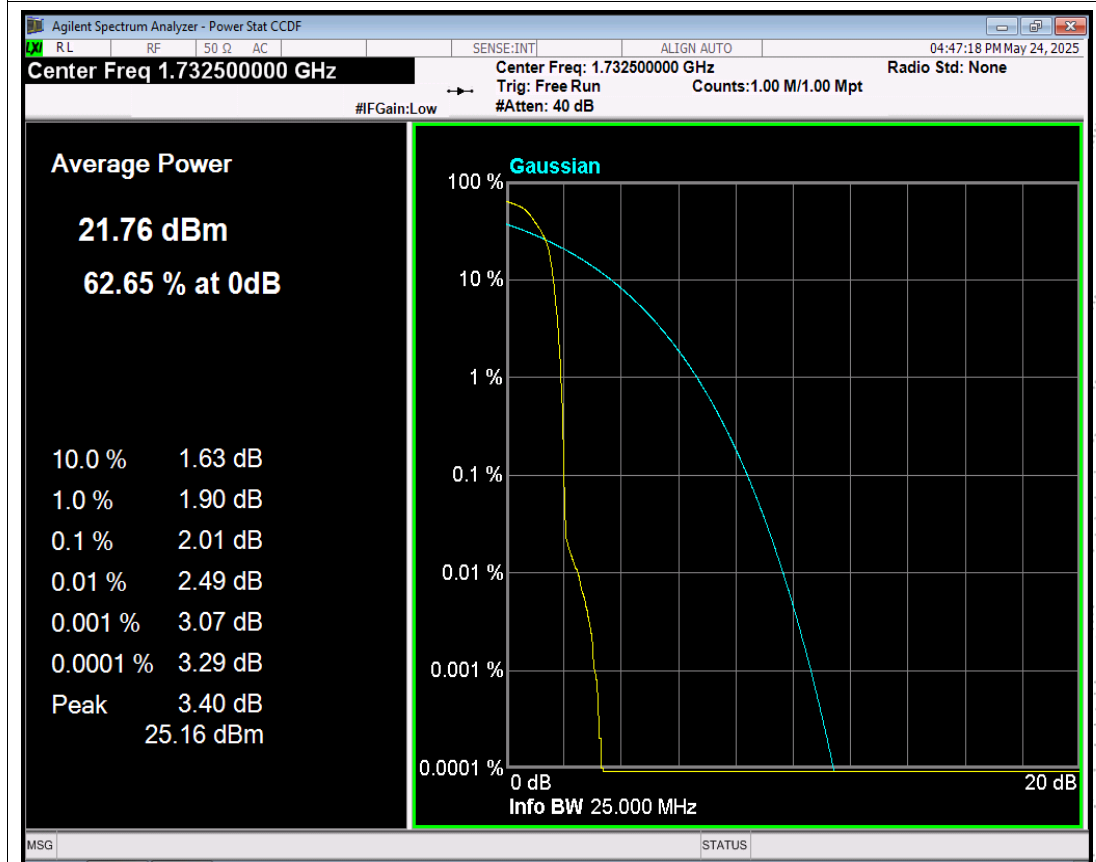
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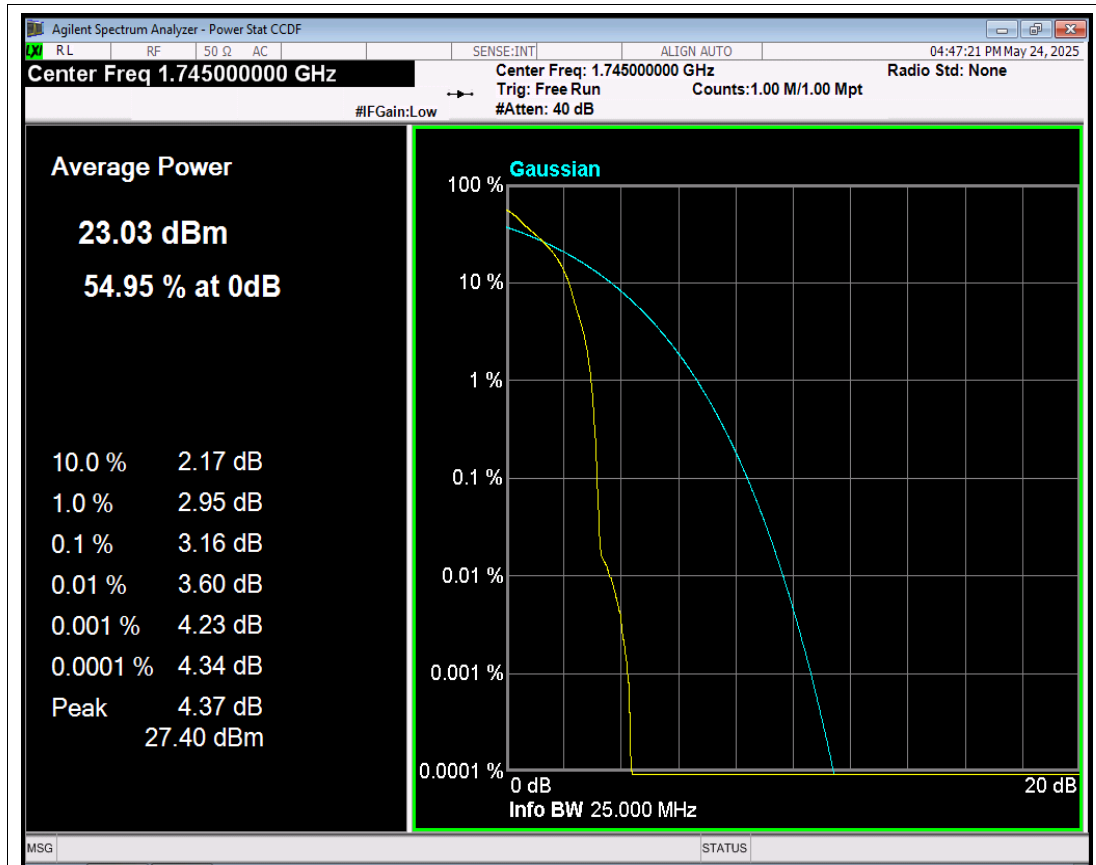
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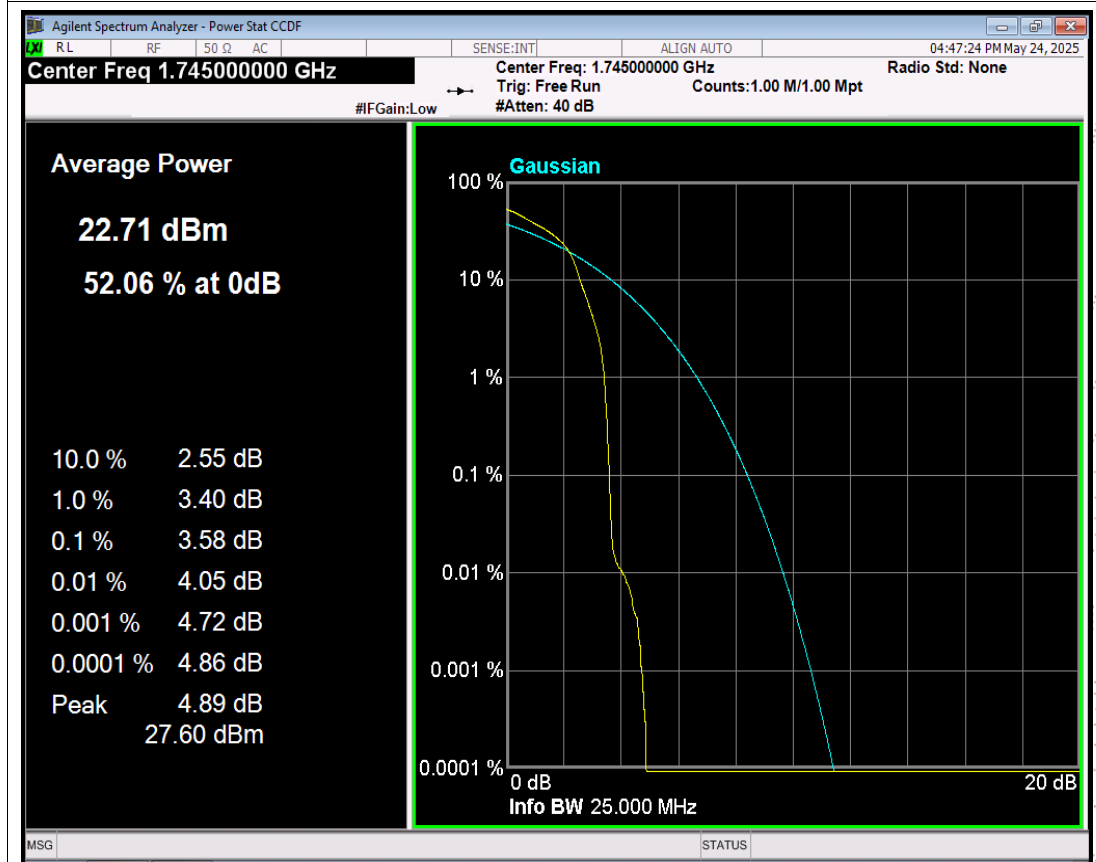
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Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



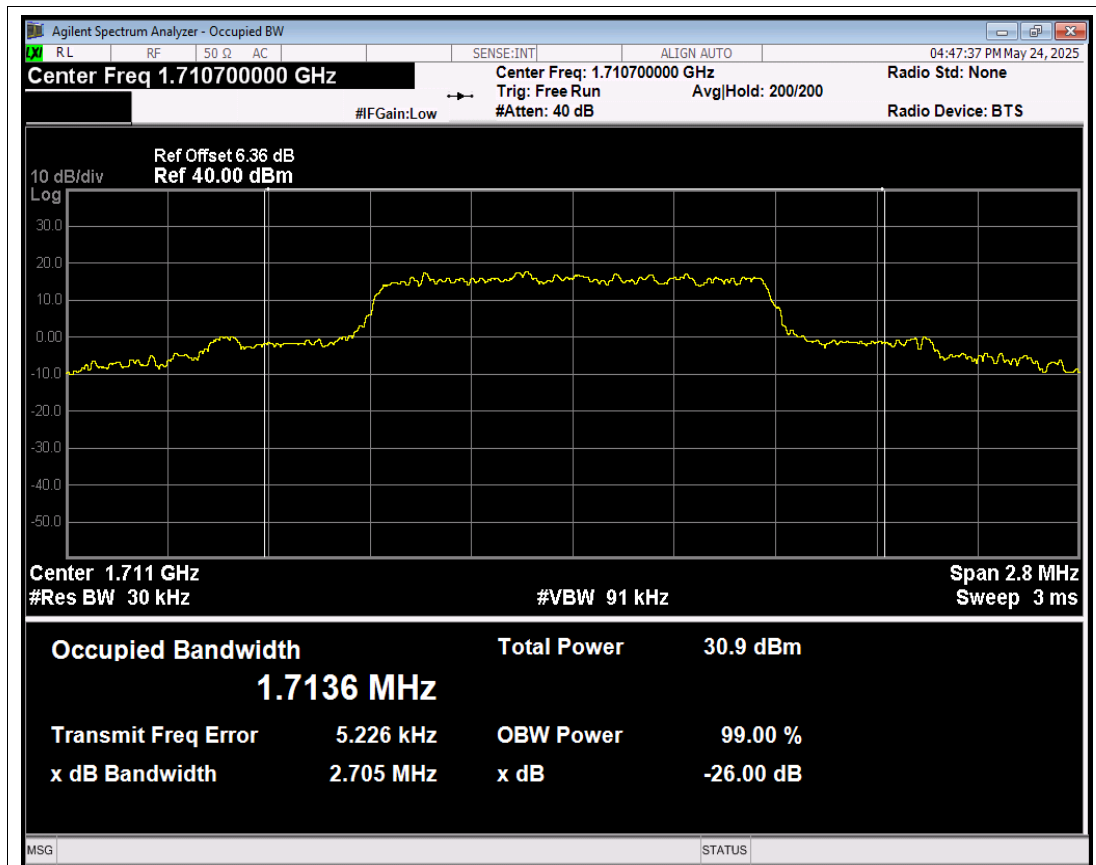
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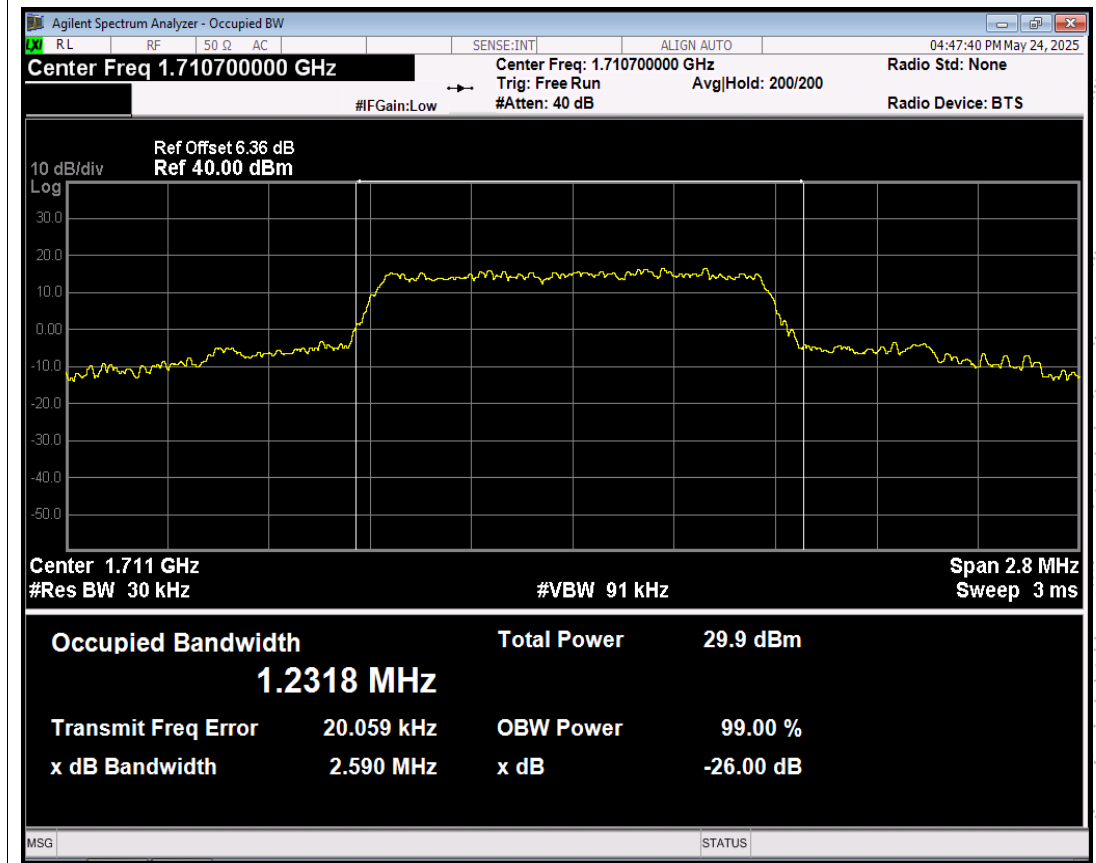
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0 NVNT

#### Appendix 4. Occupied bandwidth

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band4 | 1.4             | 19957      | 6       | #0          | QPSK       | 1.714         | 2.705           | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | 16QAM      | 1.232         | 2.590           | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QPSK       | 1.108         | 1.727           | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | 16QAM      | 1.106         | 1.641           | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QPSK       | 1.220         | 2.240           | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | 16QAM      | 1.123         | 1.927           | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | QPSK       | 3.272         | 6.000           | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | 16QAM      | 2.808         | 5.643           | PASS    |
| Band4 | 3               | 20175      | 15      | #0          | QPSK       | 2.734         | 3.600           | PASS    |
| Band4 | 3               | 20175      | 15      | #0          | 16QAM      | 2.716         | 3.158           | PASS    |
| Band4 | 3               | 20385      | 15      | #0          | QPSK       | 2.772         | 4.820           | PASS    |
| Band4 | 3               | 20385      | 15      | #0          | 16QAM      | 2.723         | 4.360           | PASS    |
| Band4 | 5               | 19975      | 25      | #0          | QPSK       | 5.465         | 9.779           | PASS    |
| Band4 | 5               | 19975      | 25      | #0          | 16QAM      | 4.626         | 9.325           | PASS    |
| Band4 | 5               | 20175      | 25      | #0          | QPSK       | 4.519         | 5.232           | PASS    |
| Band4 | 5               | 20175      | 25      | #0          | 16QAM      | 4.519         | 5.341           | PASS    |
| Band4 | 5               | 20375      | 25      | #0          | QPSK       | 4.557         | 7.378           | PASS    |
| Band4 | 5               | 20375      | 25      | #0          | 16QAM      | 4.543         | 6.627           | PASS    |
| Band4 | 10              | 20000      | 50      | #0          | QPSK       | 9.762         | 19.911          | PASS    |
| Band4 | 10              | 20000      | 50      | #0          | 16QAM      | 9.100         | 18.011          | PASS    |
| Band4 | 10              | 20175      | 50      | #0          | QPSK       | 9.063         | 13.866          | PASS    |
| Band4 | 10              | 20175      | 50      | #0          | 16QAM      | 9.063         | 14.222          | PASS    |
| Band4 | 10              | 20350      | 50      | #0          | QPSK       | 9.041         | 10.336          | PASS    |
| Band4 | 10              | 20350      | 50      | #0          | 16QAM      | 9.024         | 9.867           | PASS    |
| Band4 | 15              | 20025      | 75      | #0          | QPSK       | 14.763        | 29.771          | PASS    |
| Band4 | 15              | 20025      | 75      | #0          | 16QAM      | 13.654        | 27.842          | PASS    |
| Band4 | 15              | 20175      | 75      | #0          | QPSK       | 13.715        | 28.338          | PASS    |
| Band4 | 15              | 20175      | 75      | #0          | 16QAM      | 13.687        | 21.125          | PASS    |
| Band4 | 15              | 20325      | 75      | #0          | QPSK       | 13.468        | 15.693          | PASS    |
| Band4 | 15              | 20325      | 75      | #0          | 16QAM      | 13.470        | 14.698          | PASS    |
| Band4 | 20              | 20050      | 100     | #0          | QPSK       | 19.666        | 39.932          | PASS    |
| Band4 | 20              | 20050      | 100     | #0          | 16QAM      | 18.224        | 31.826          | PASS    |
| Band4 | 20              | 20175      | 100     | #0          | QPSK       | 18.572        | 35.614          | PASS    |
| Band4 | 20              | 20175      | 100     | #0          | 16QAM      | 18.378        | 32.801          | PASS    |
| Band4 | 20              | 20300      | 100     | #0          | QPSK       | 17.913        | 19.908          | PASS    |
| Band4 | 20              | 20300      | 100     | #0          | 16QAM      | 17.877        | 19.413          | PASS    |

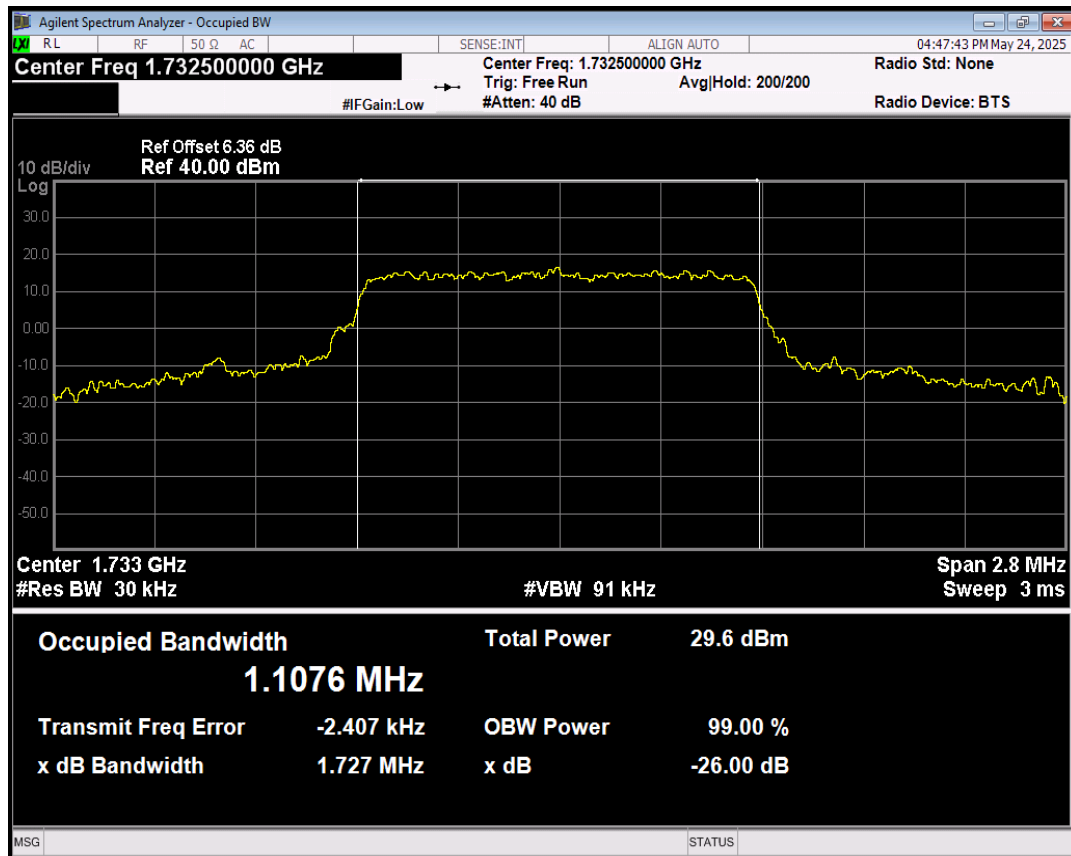


Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

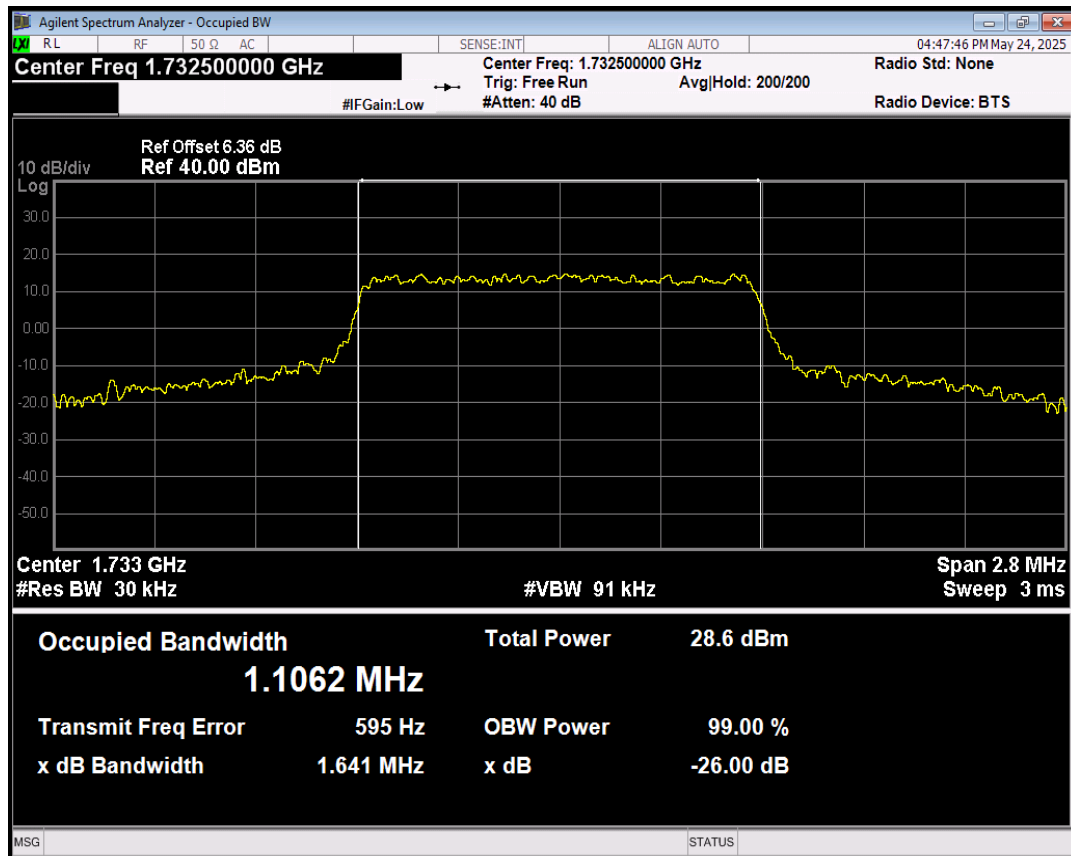




## Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

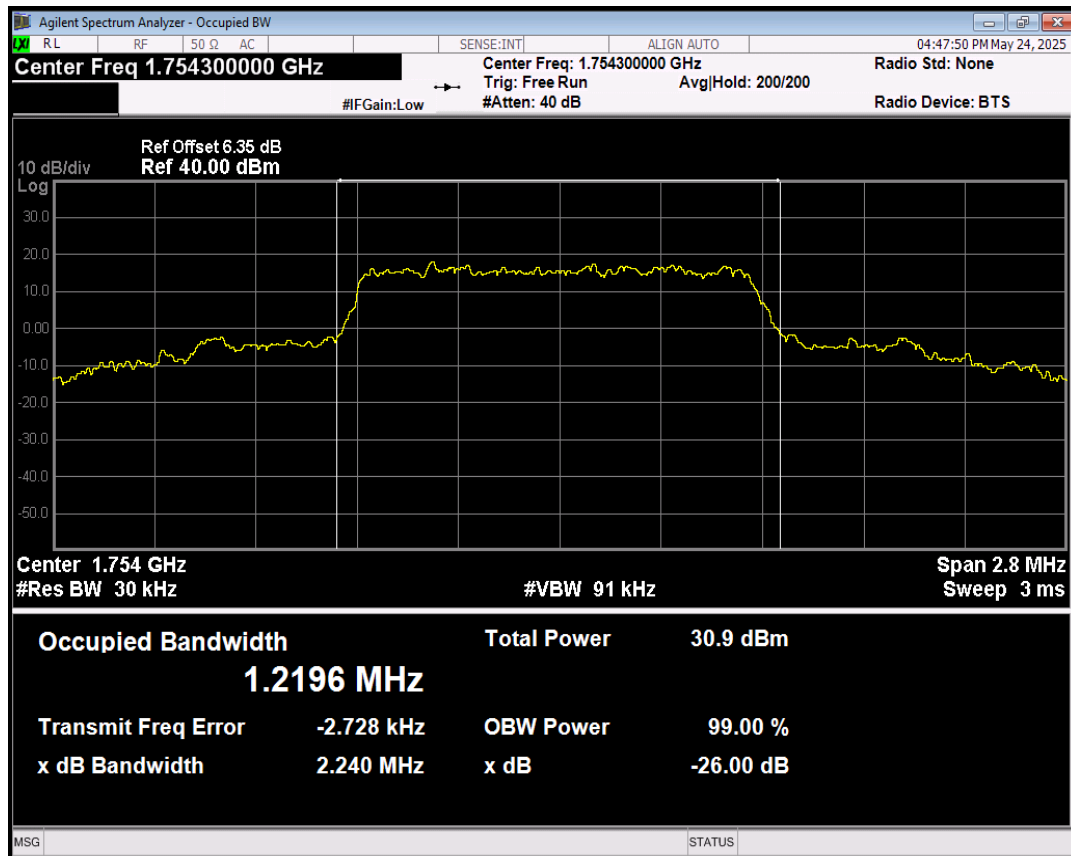


## Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

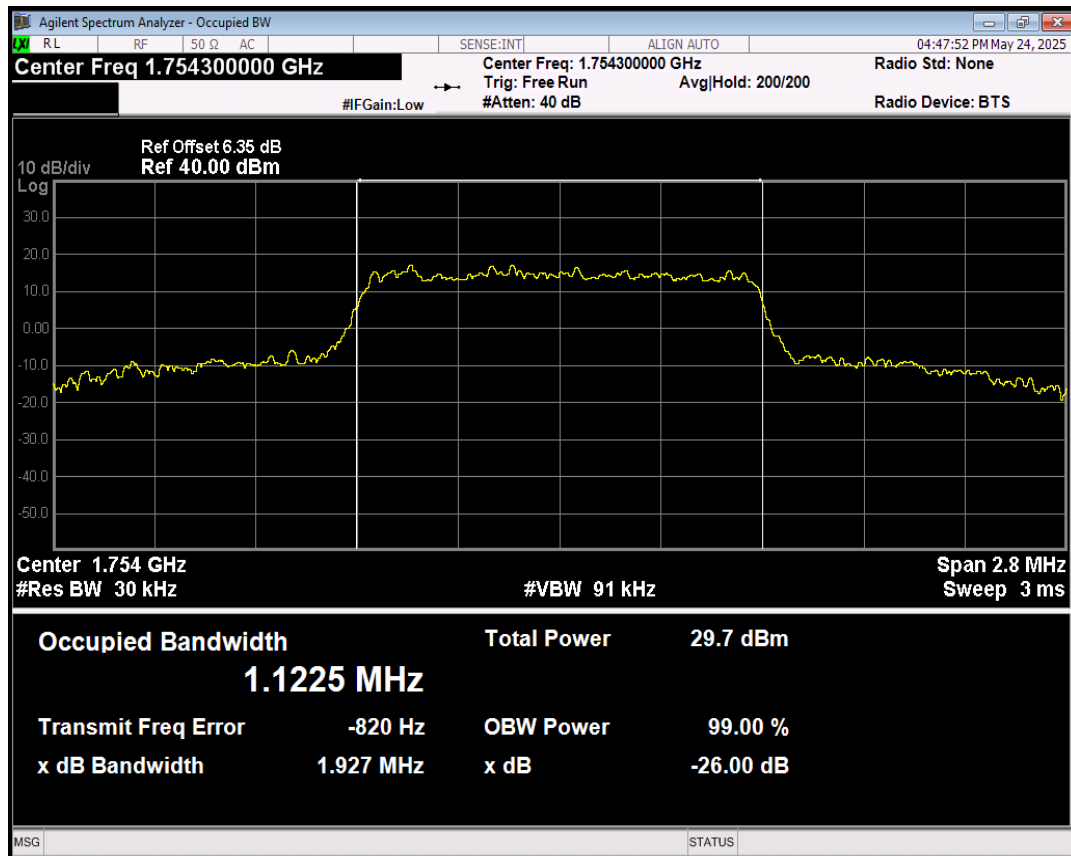




## Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

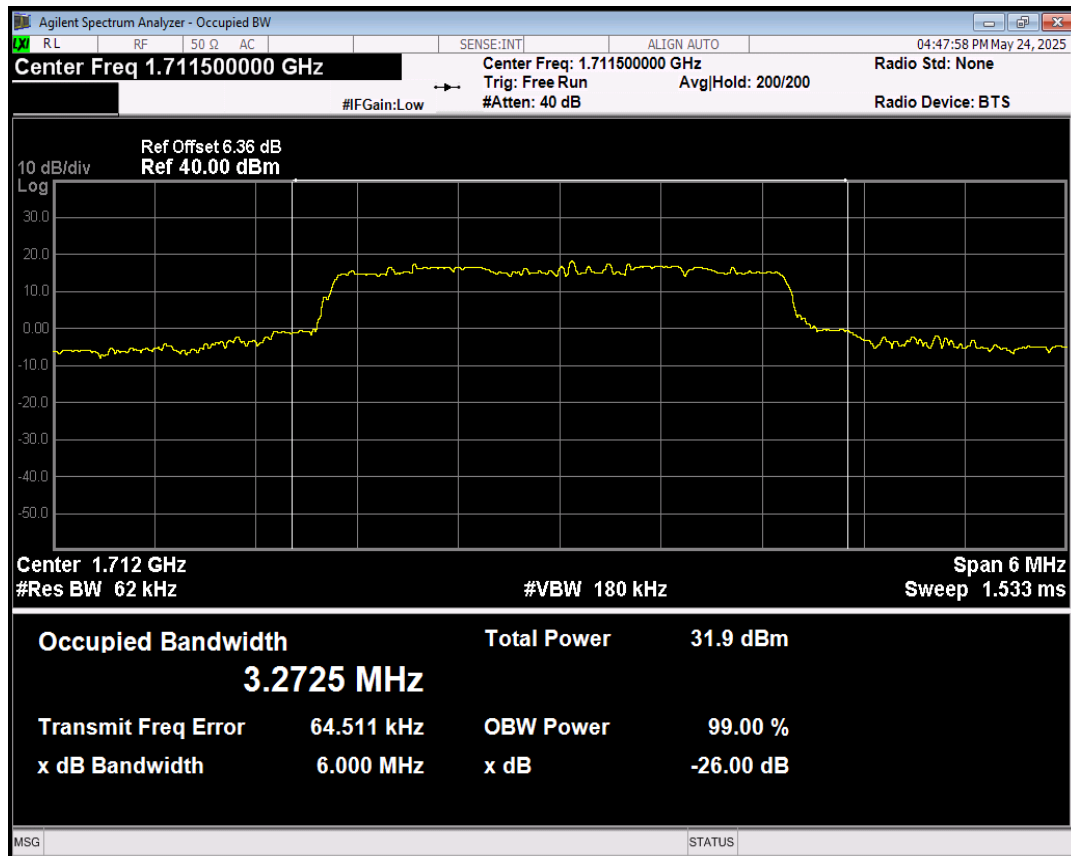


## Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

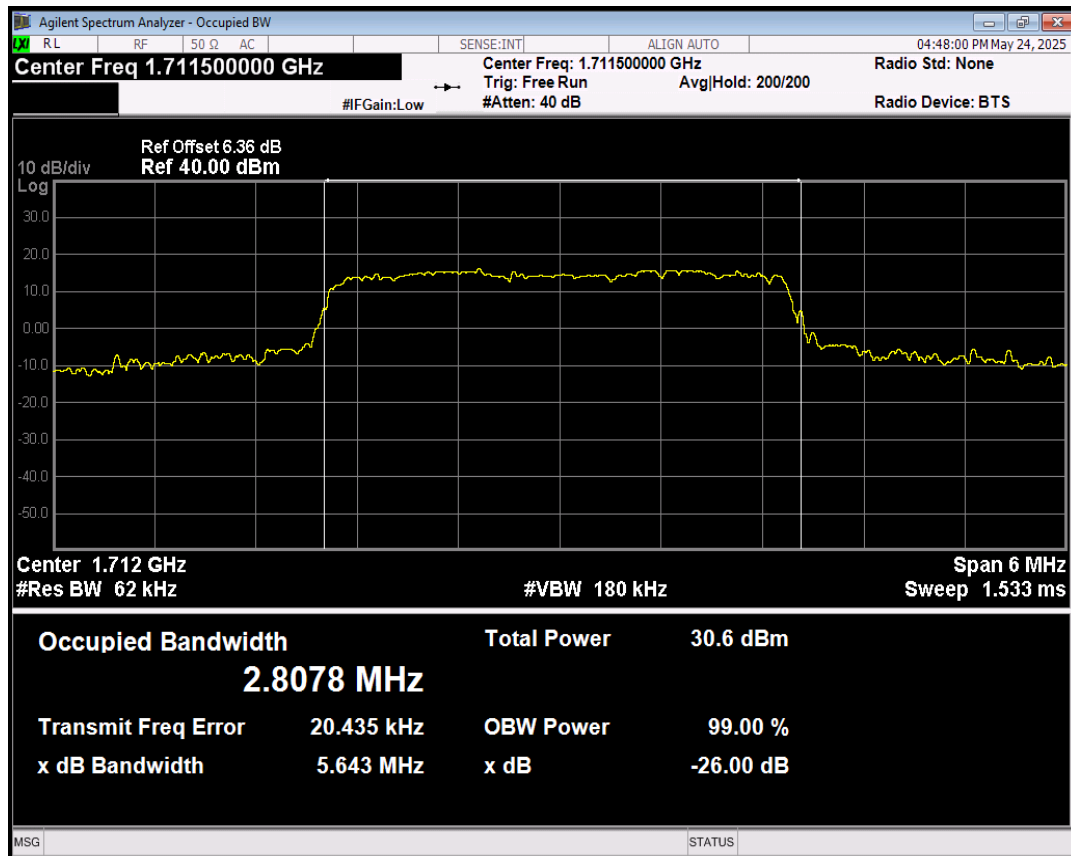




## Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

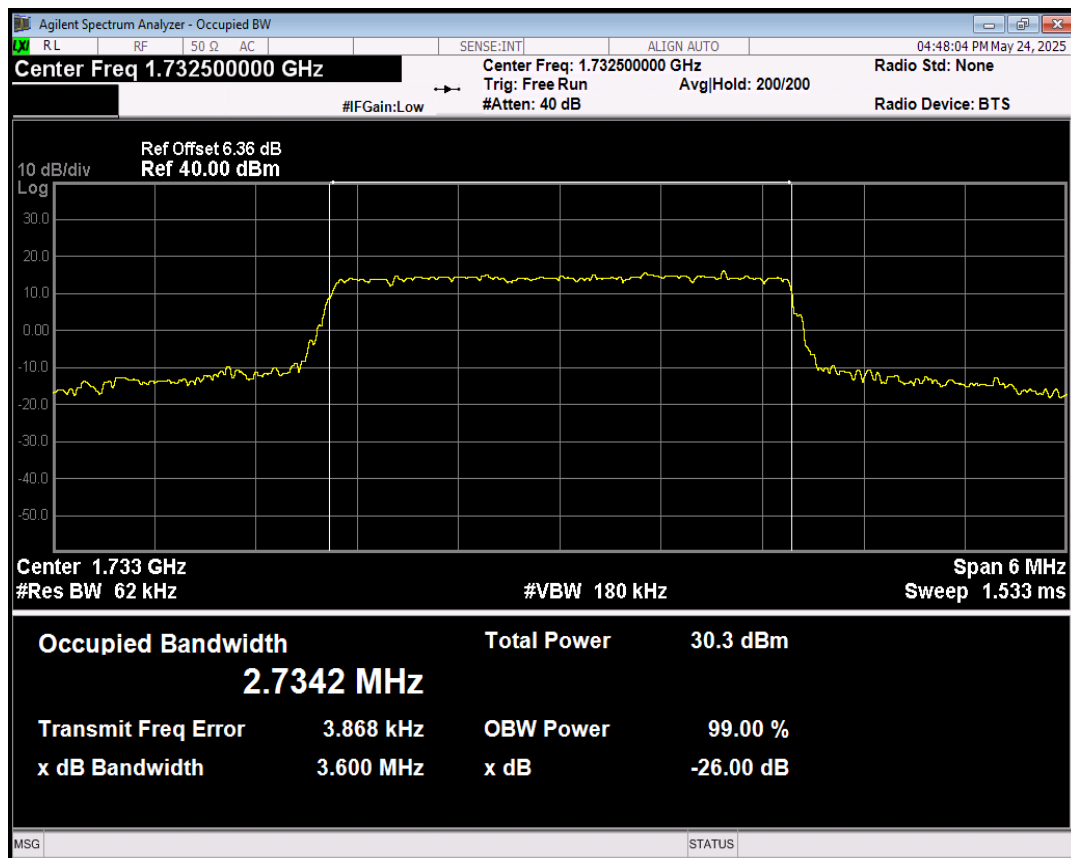


## Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

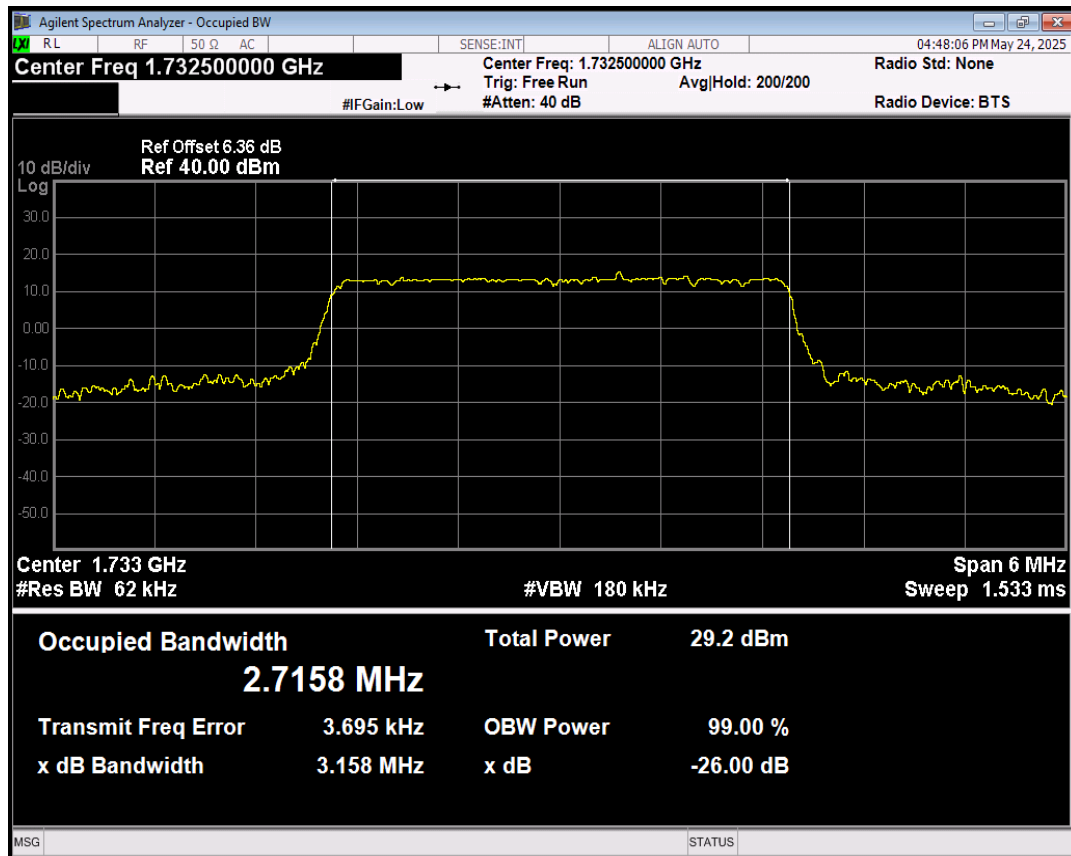




## Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

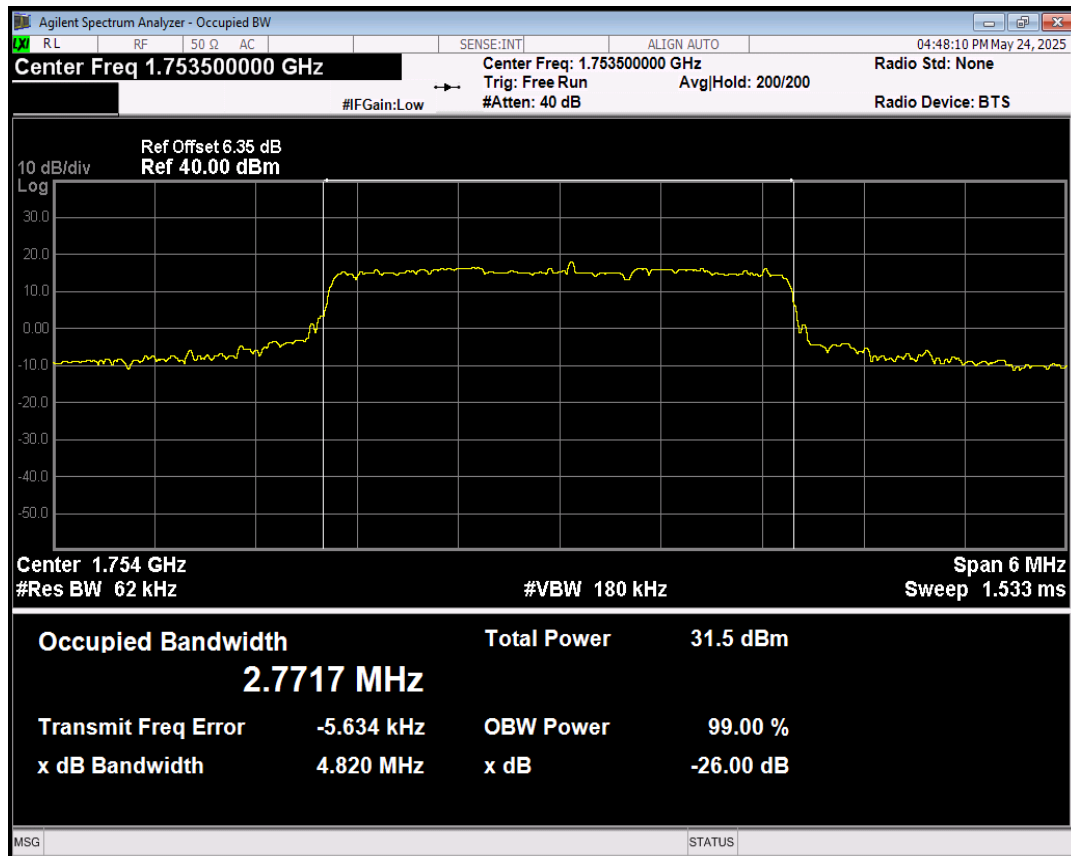


## Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT

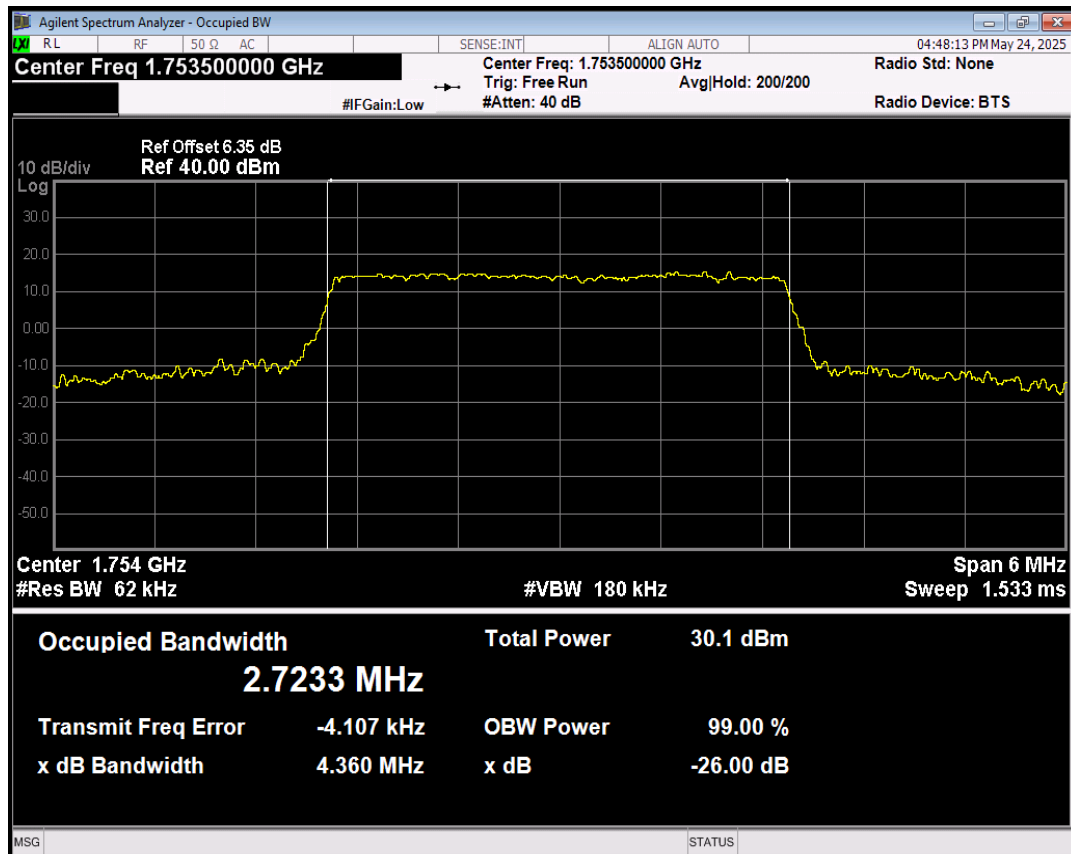




## Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT

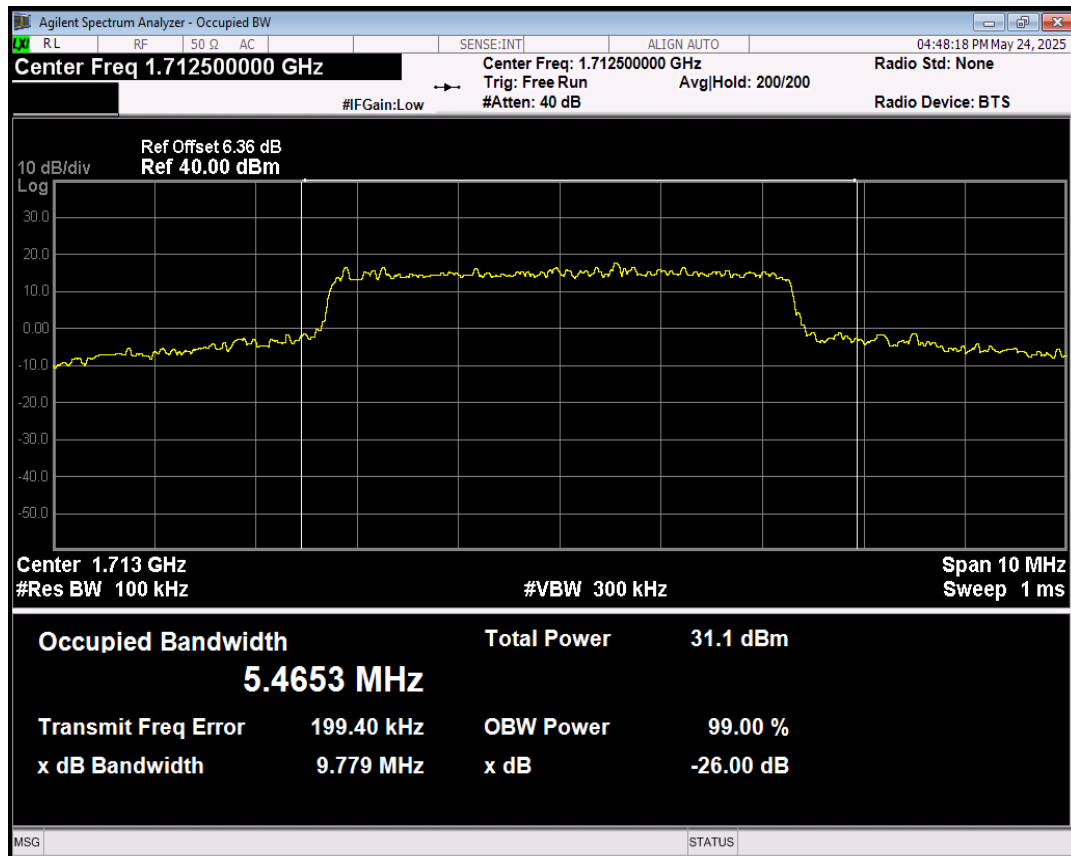


## Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

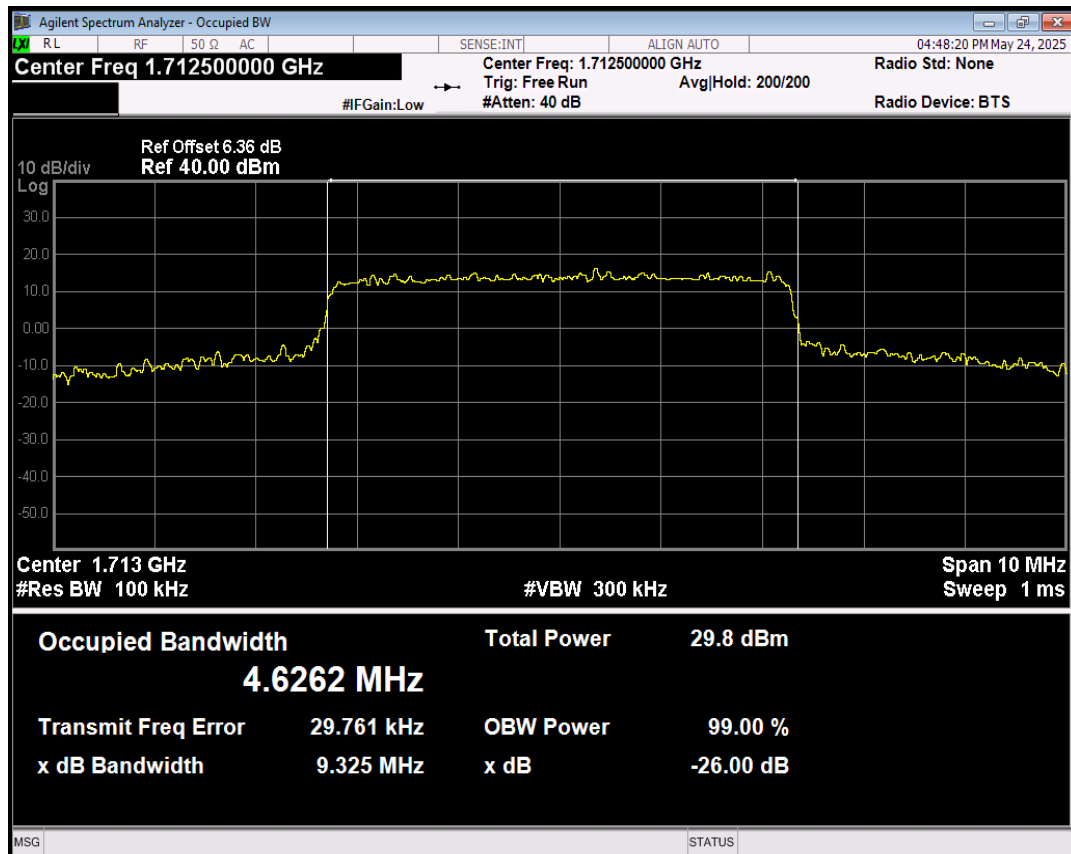




## Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

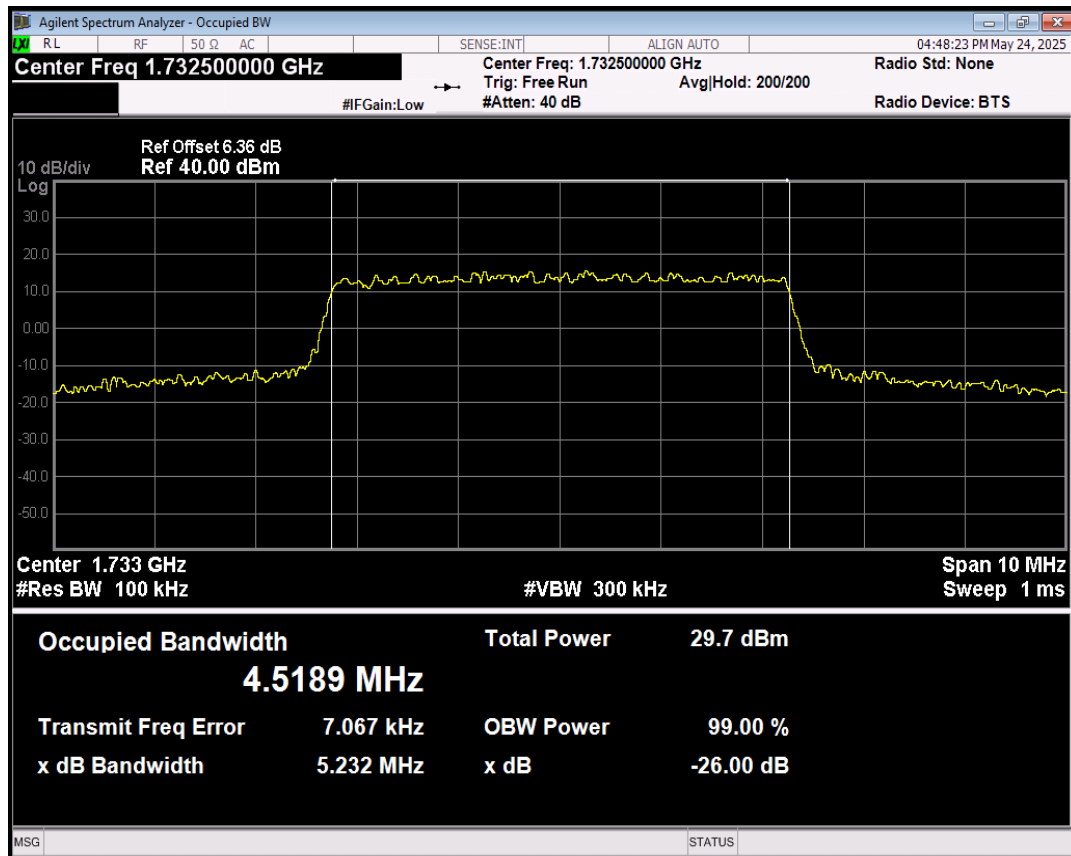


## Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

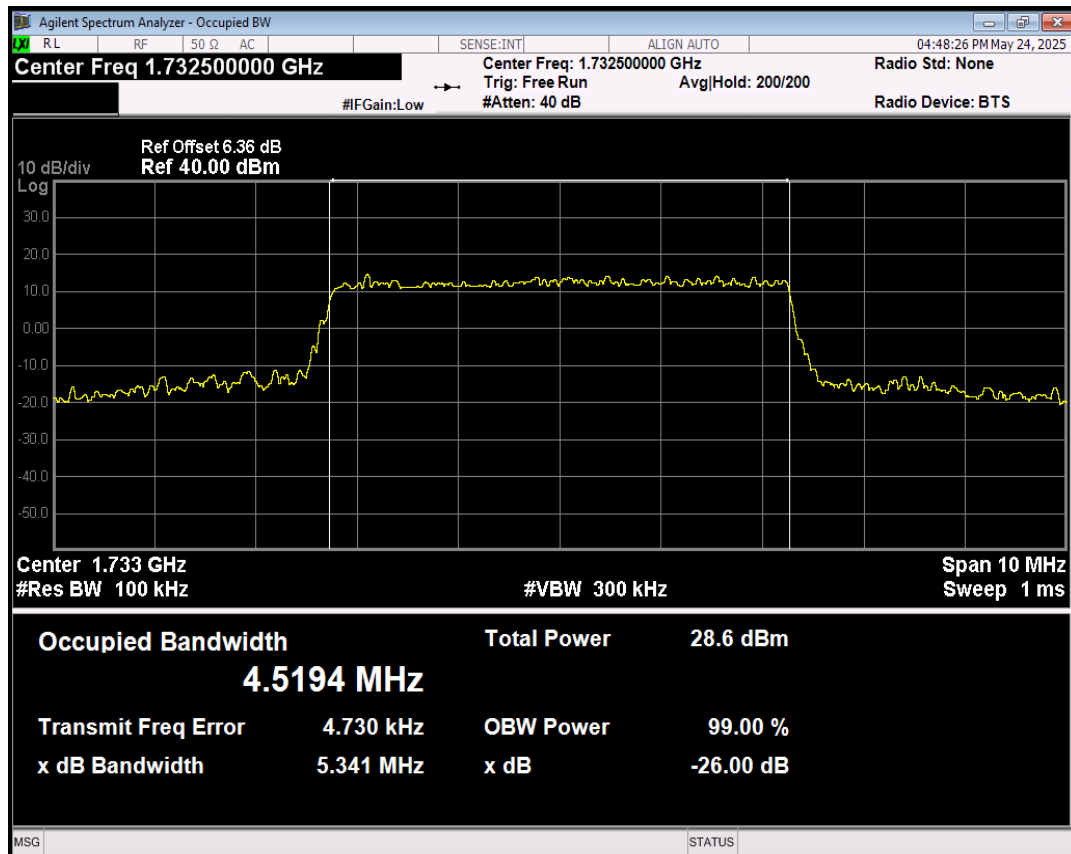




## Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

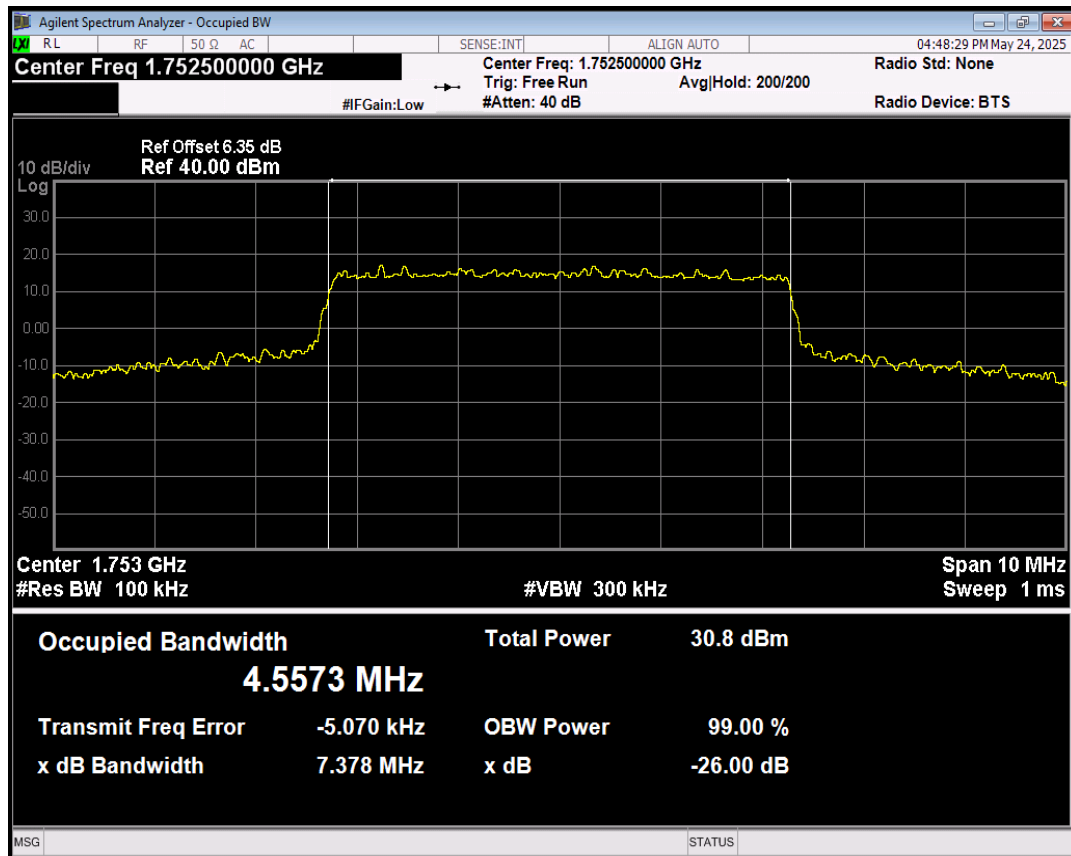


## Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

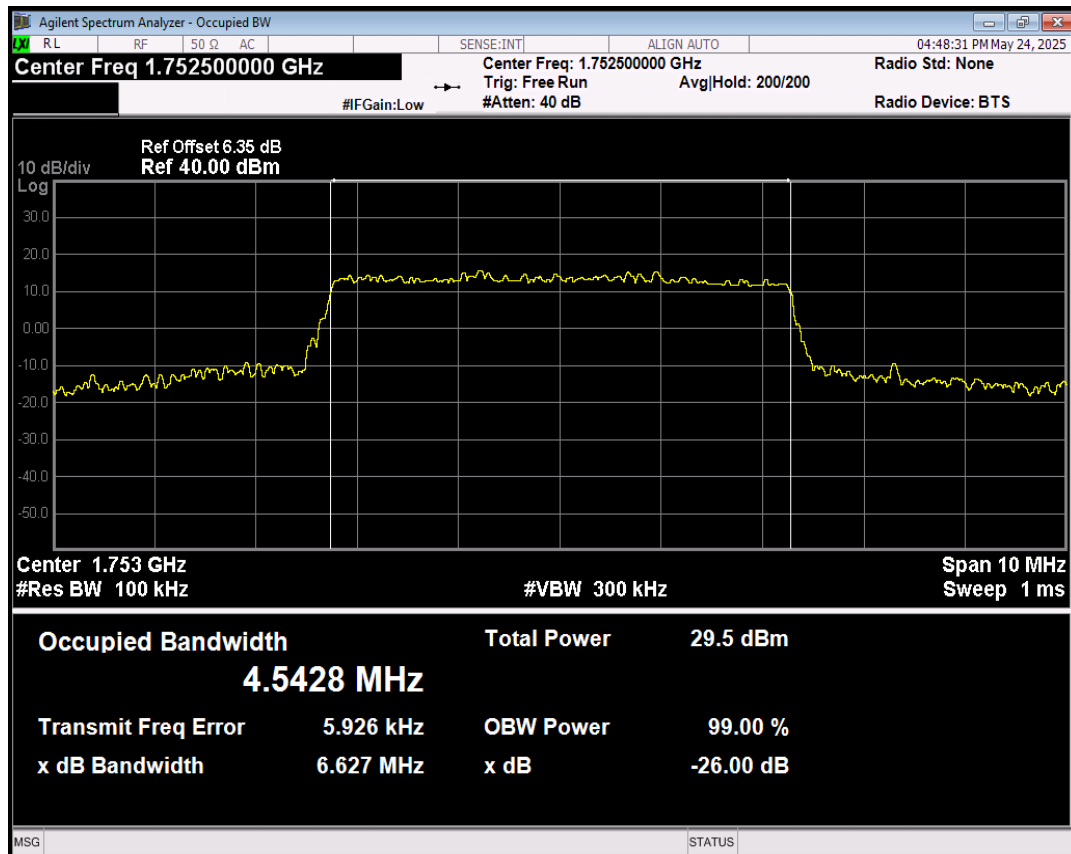




## Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

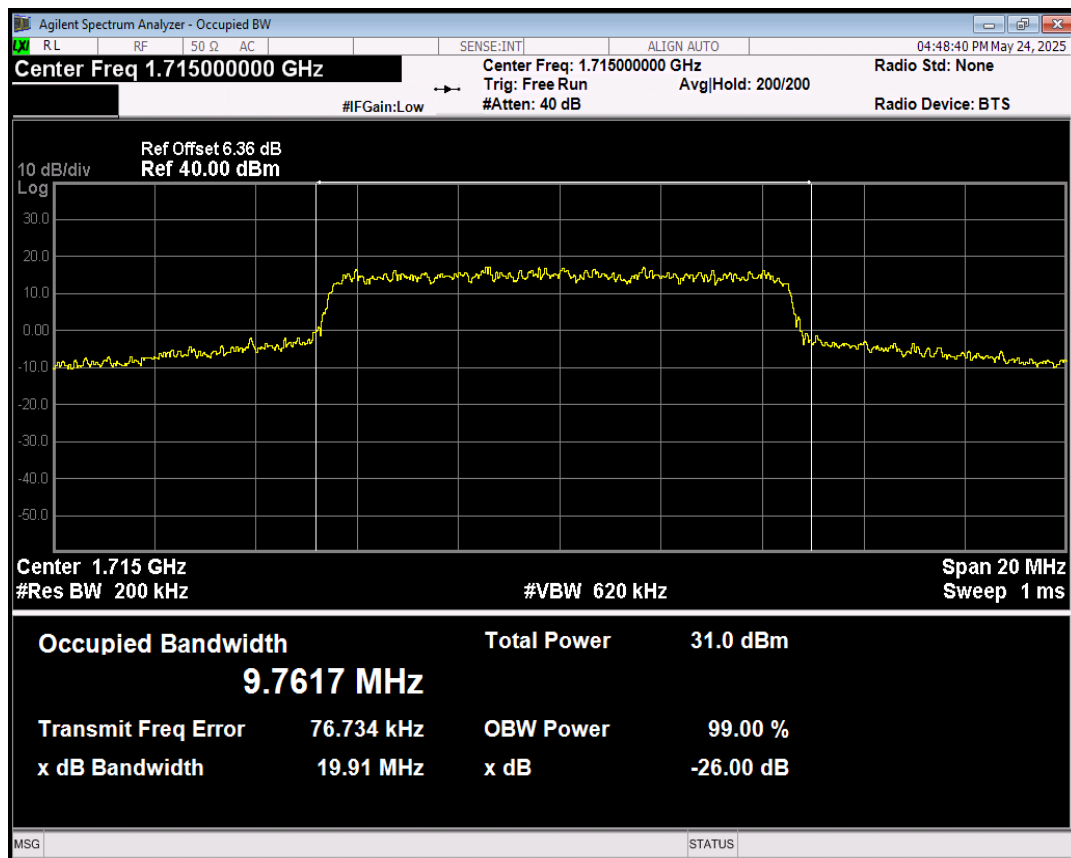


## Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT

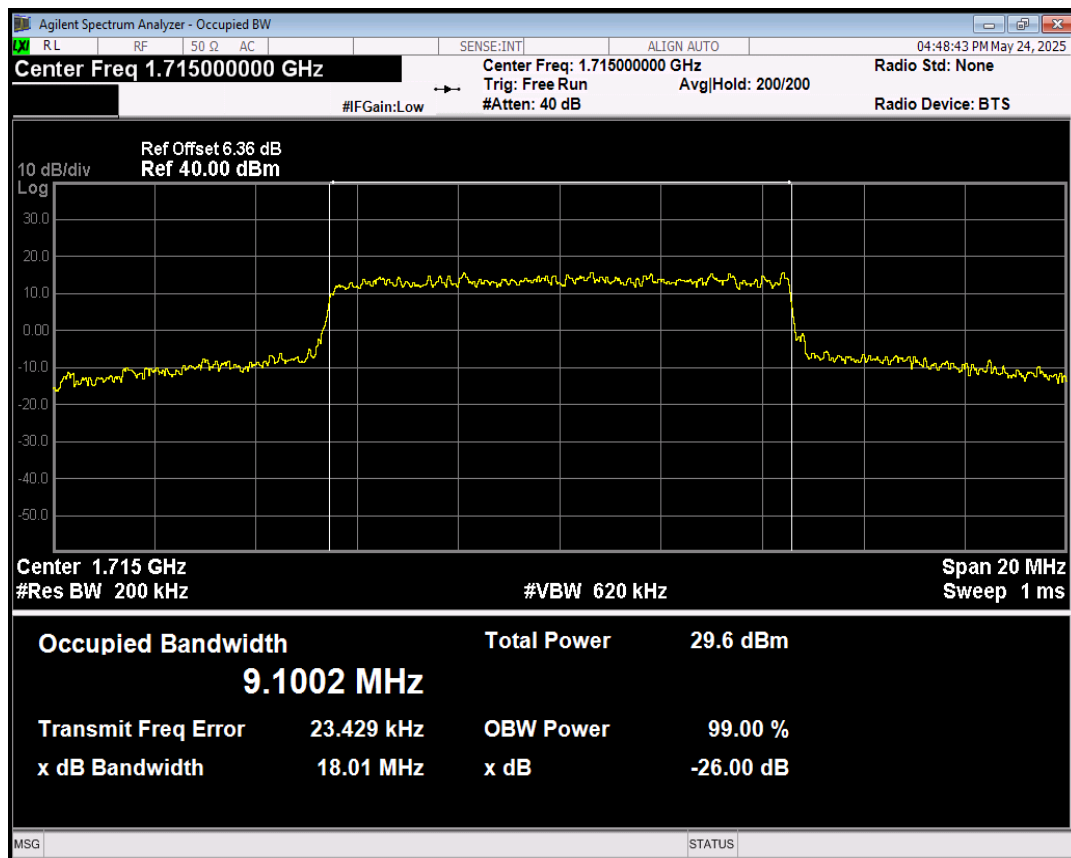




## Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT

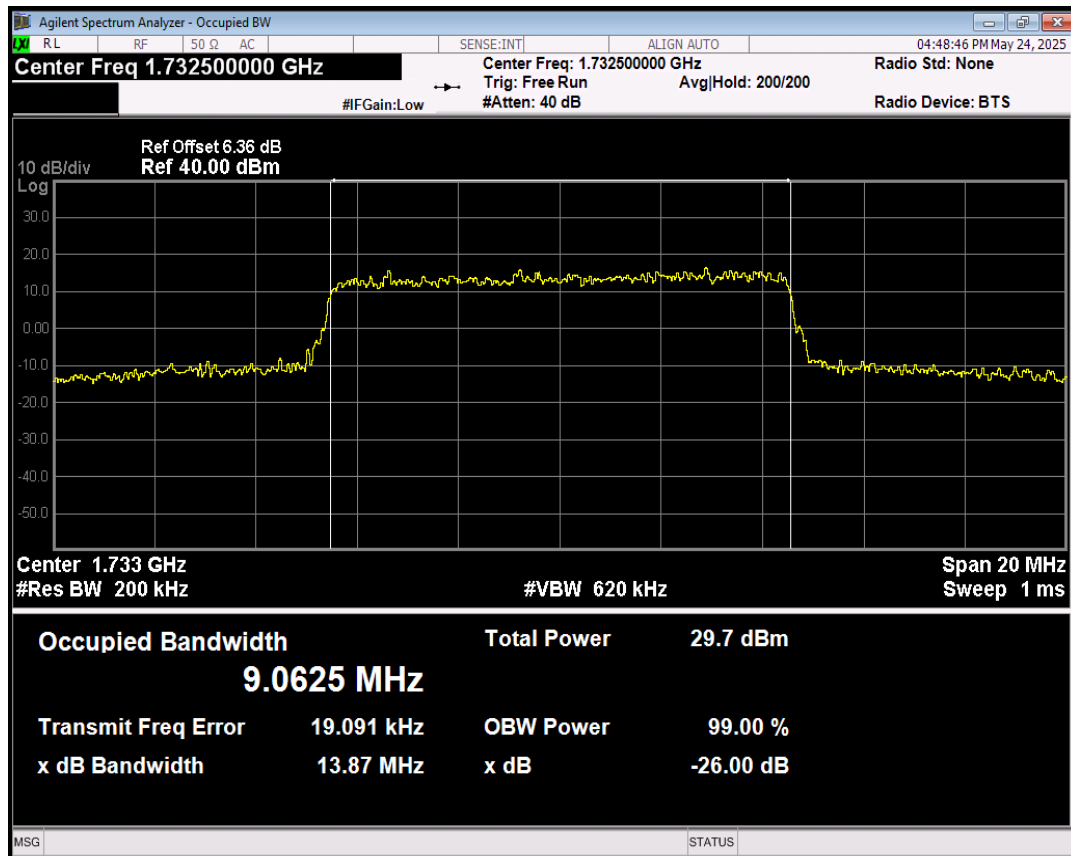


## Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

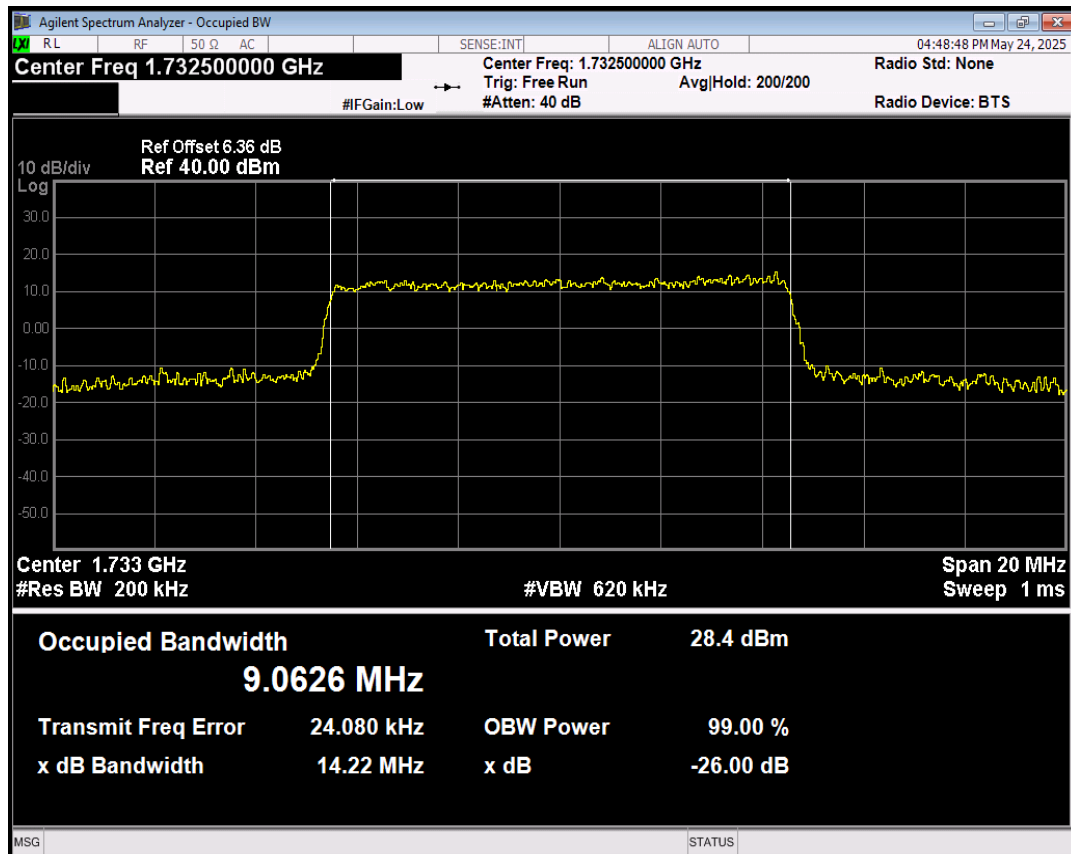




## Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

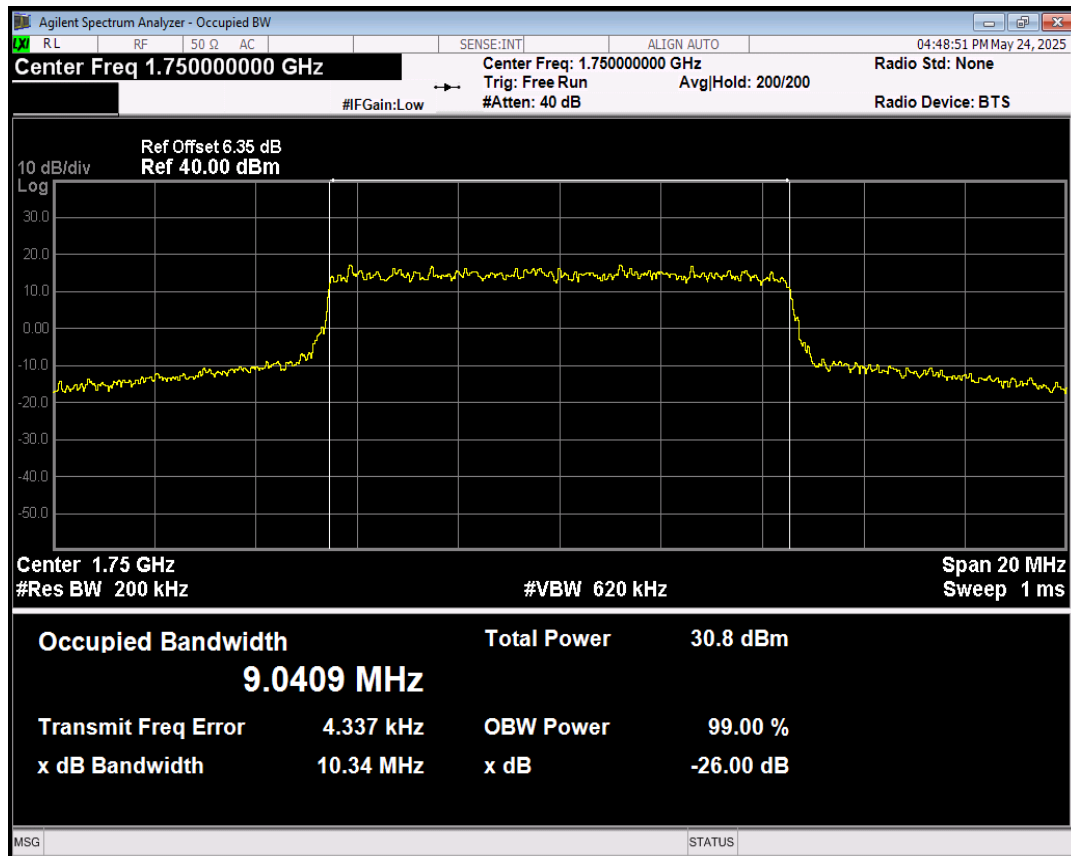


## Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

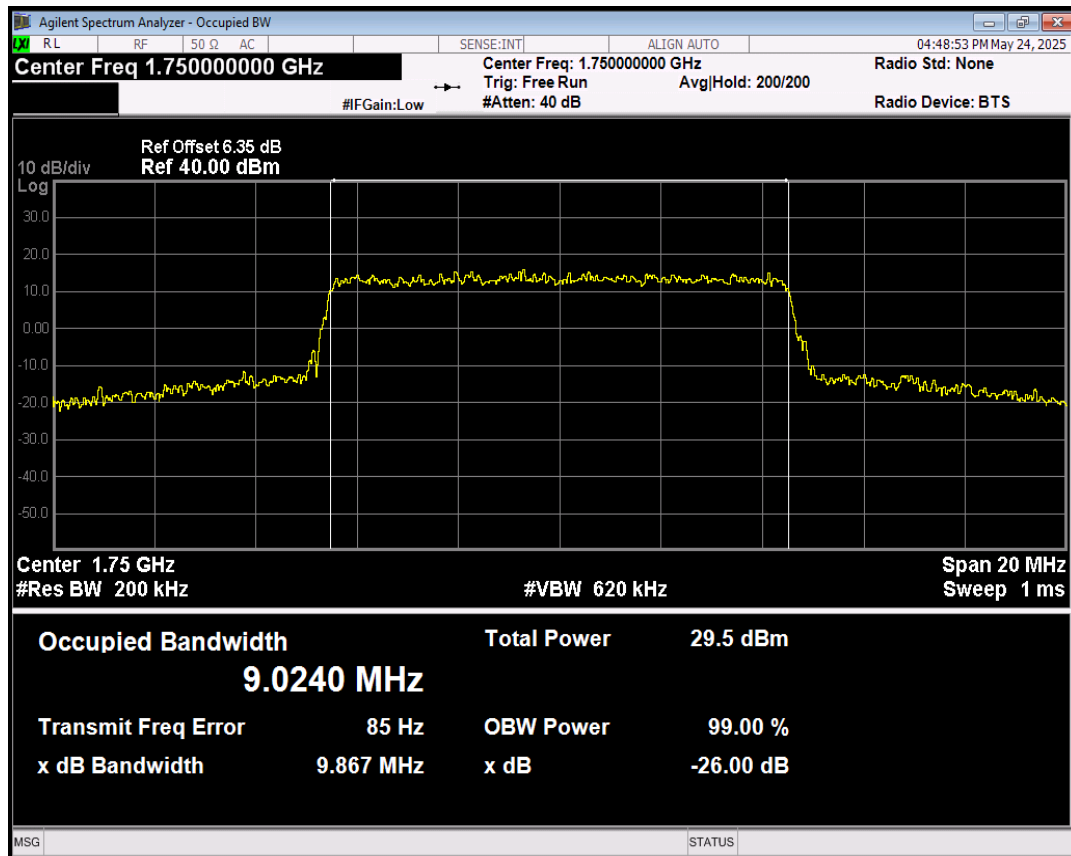




## Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

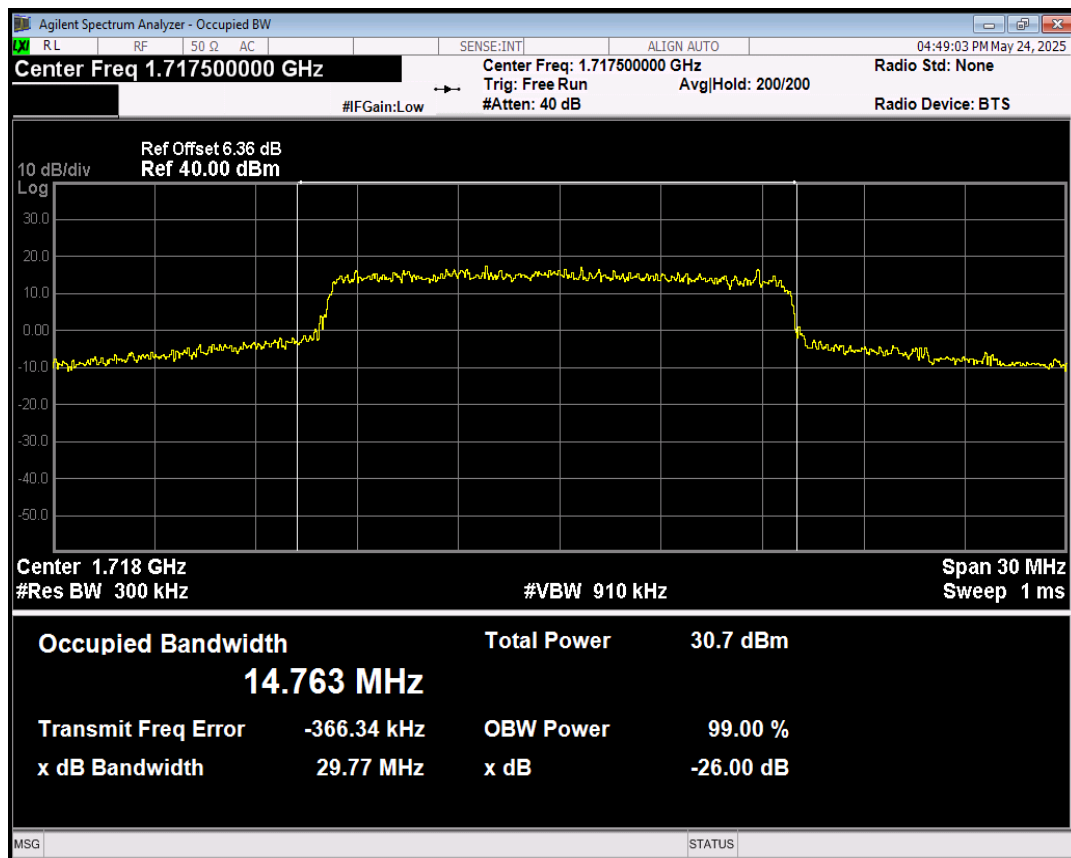


## Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

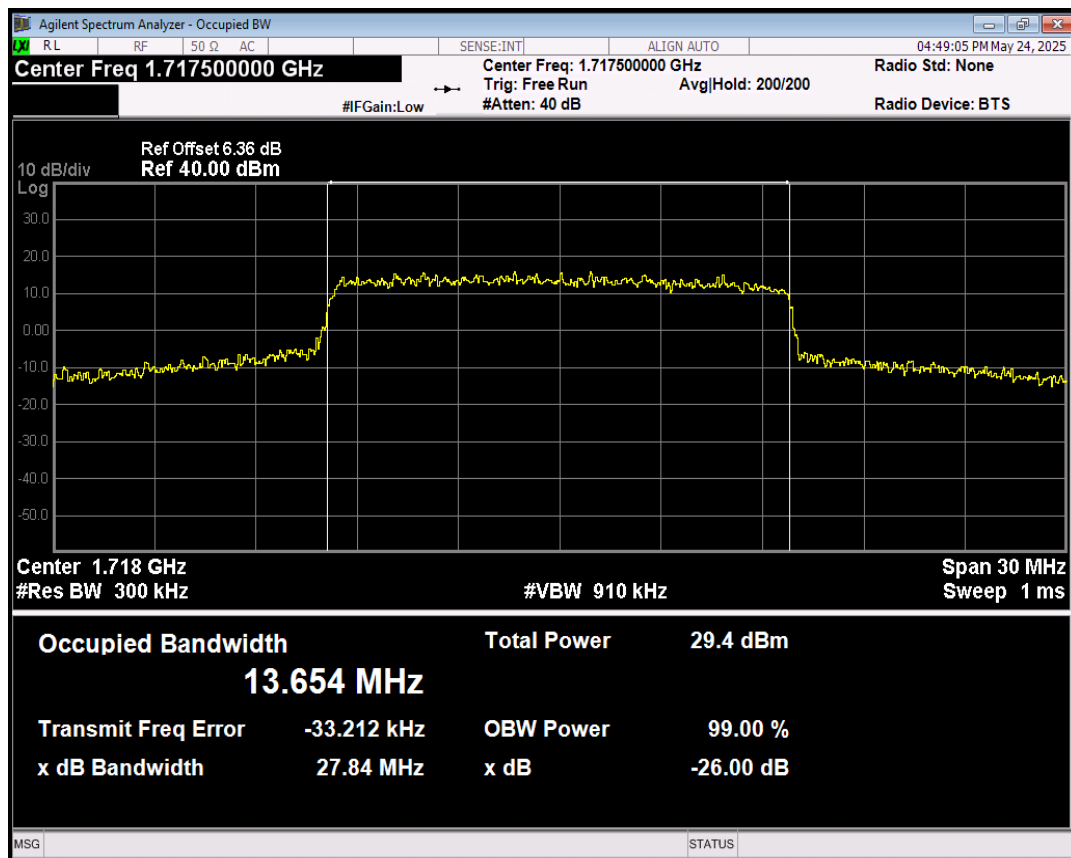




## Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

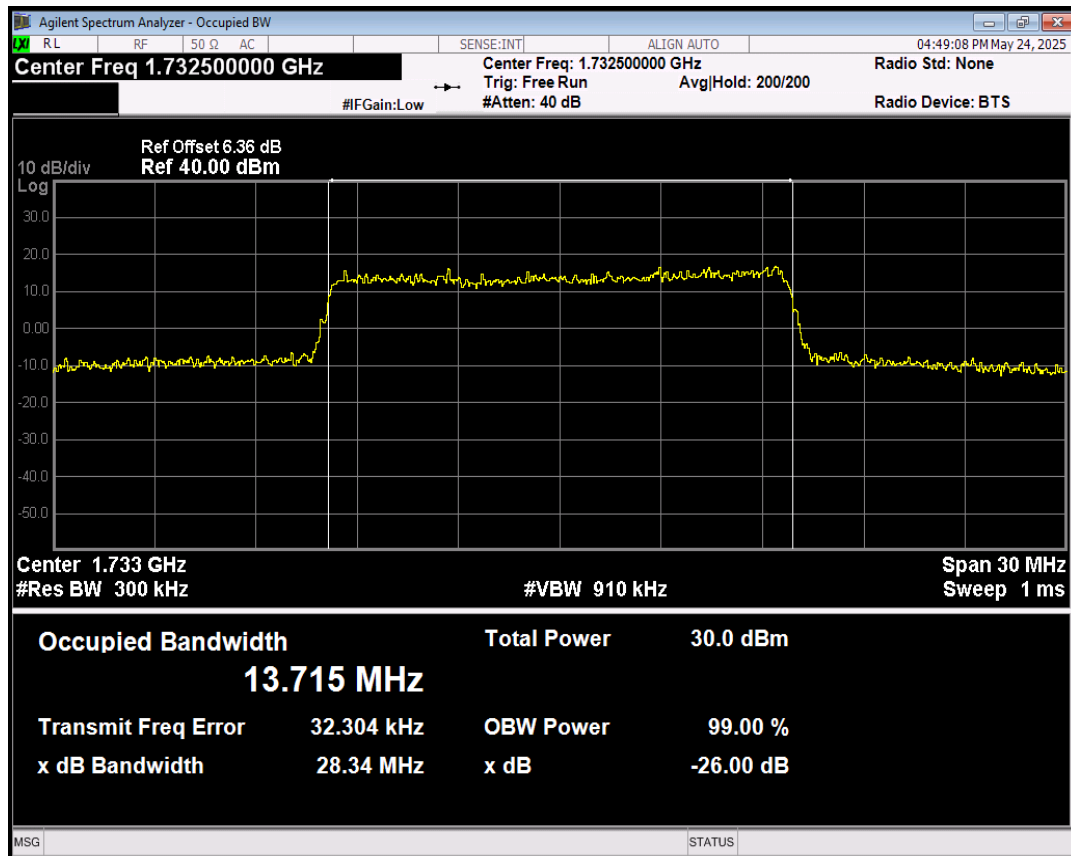


## Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

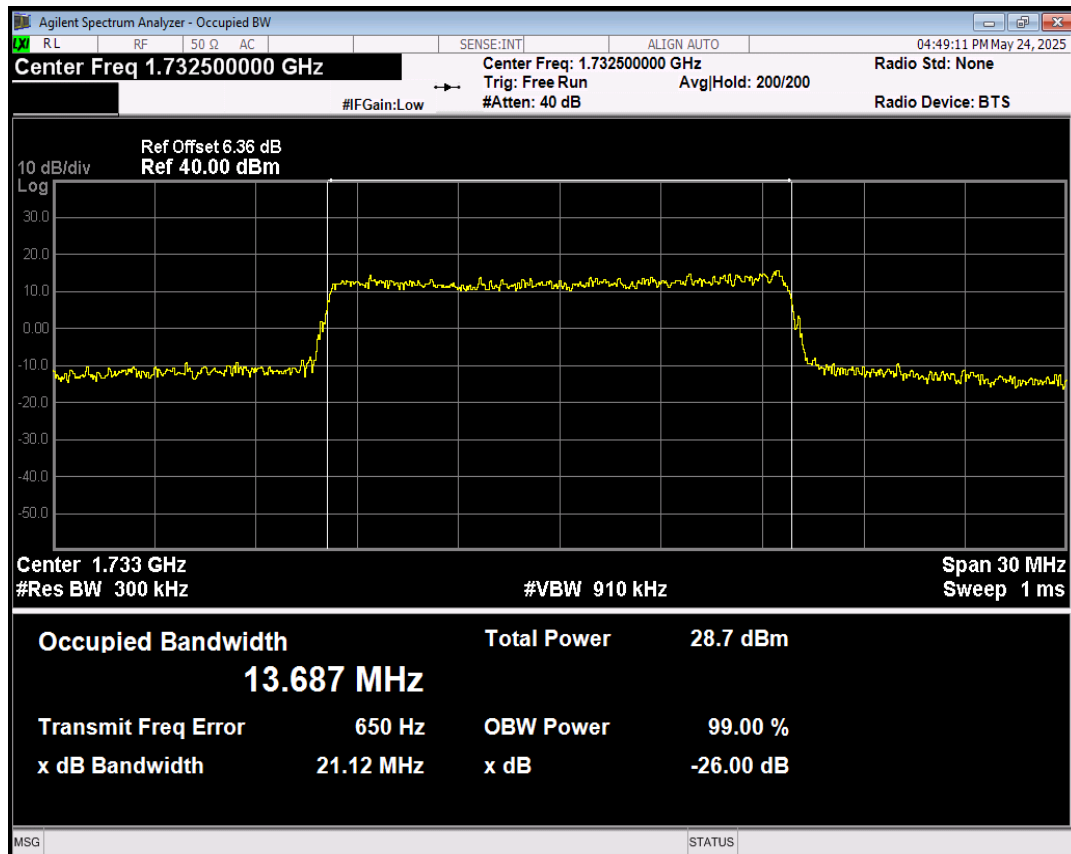




## Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

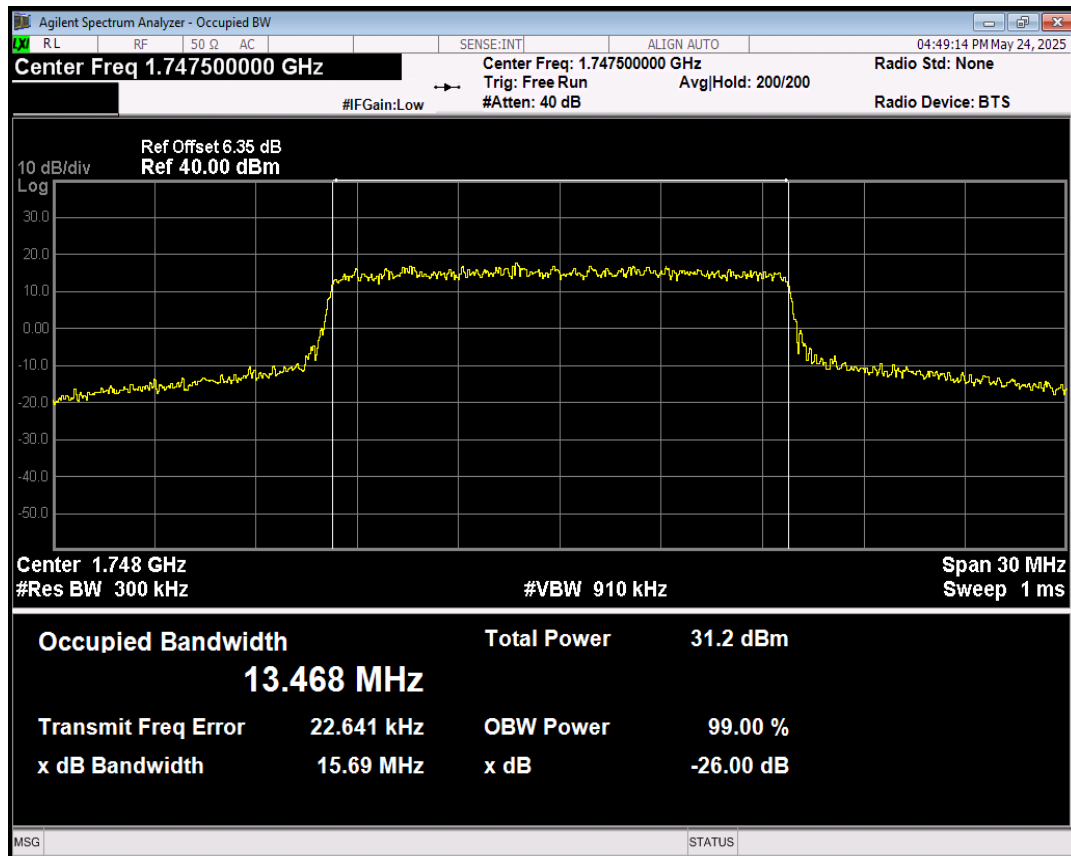


## Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

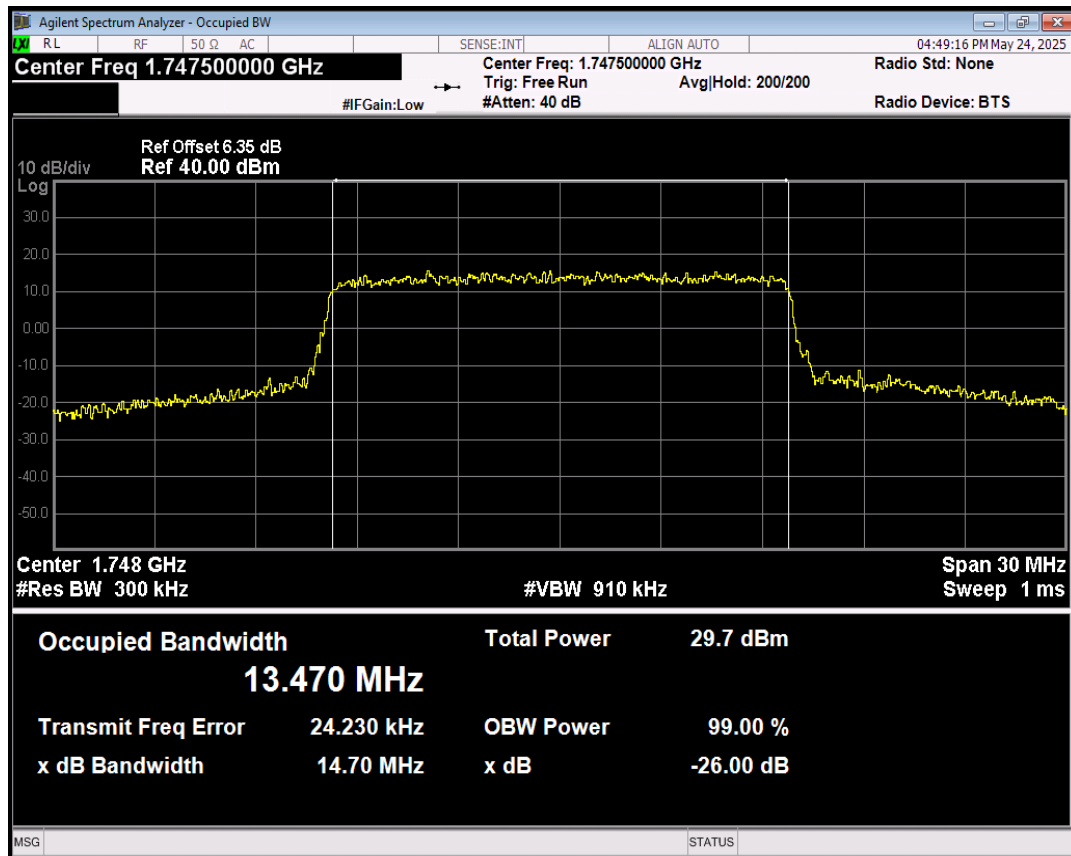




## Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

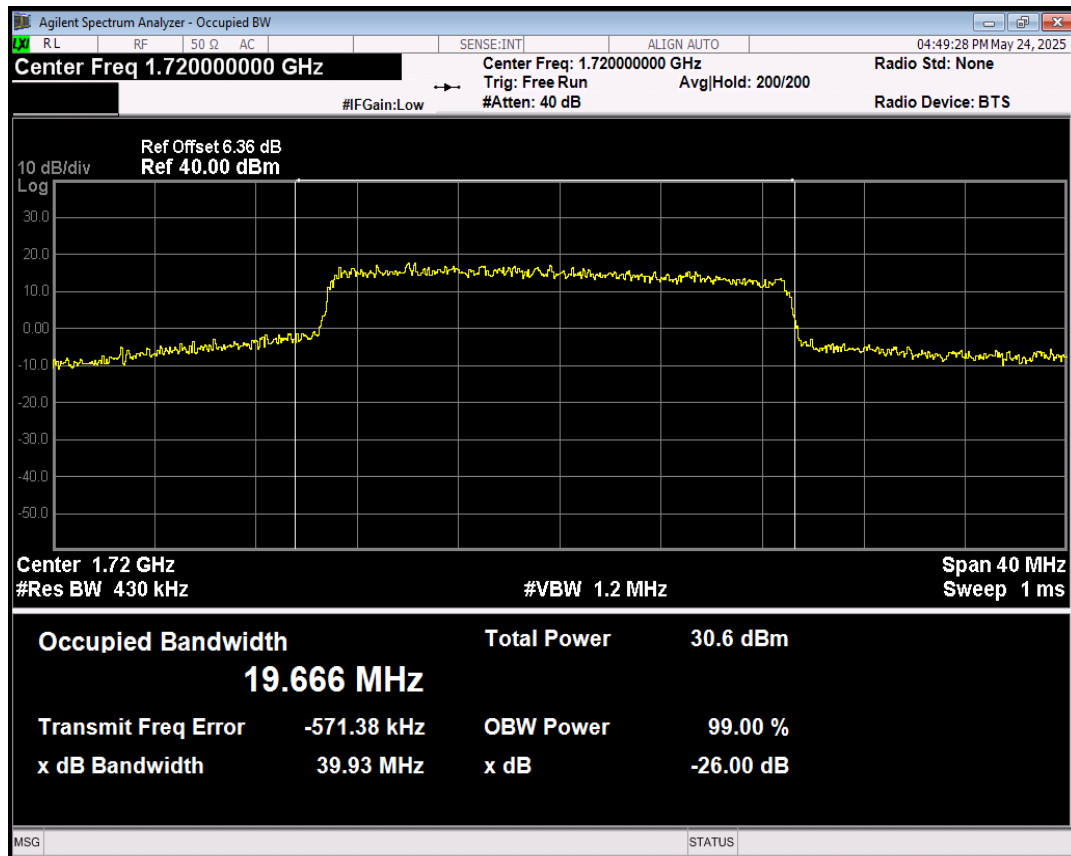


## Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

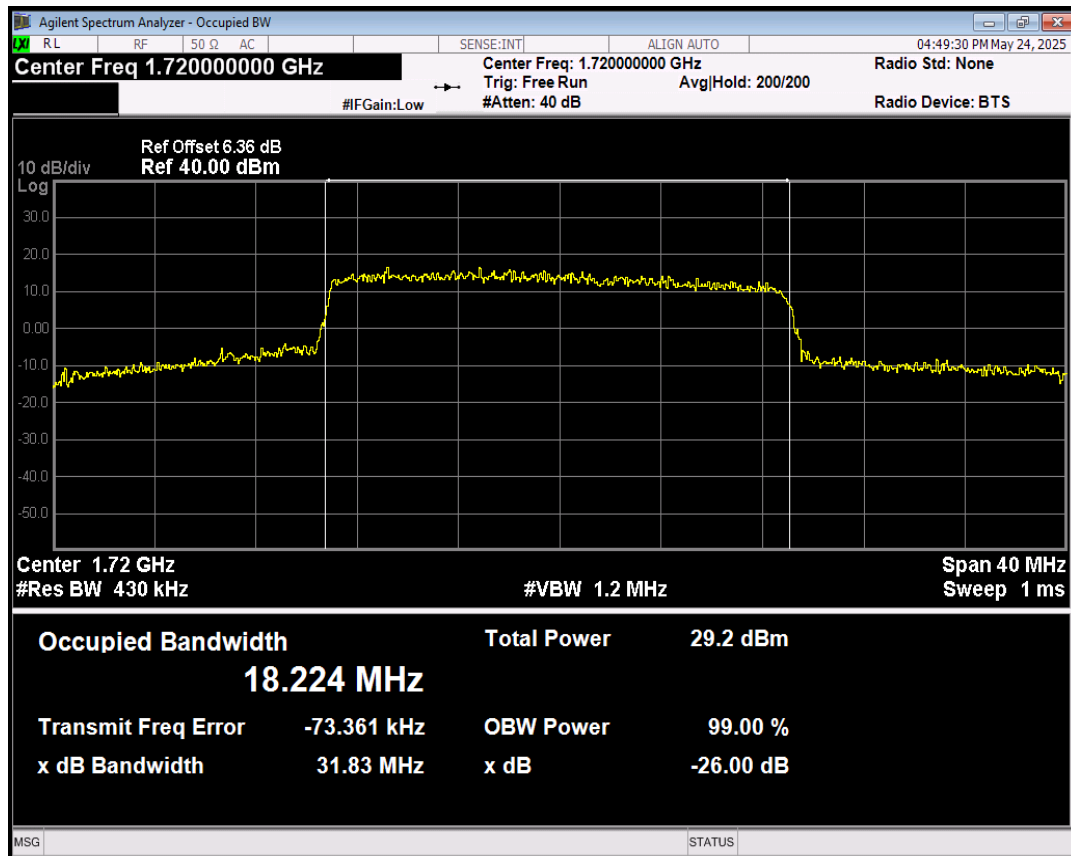




## Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

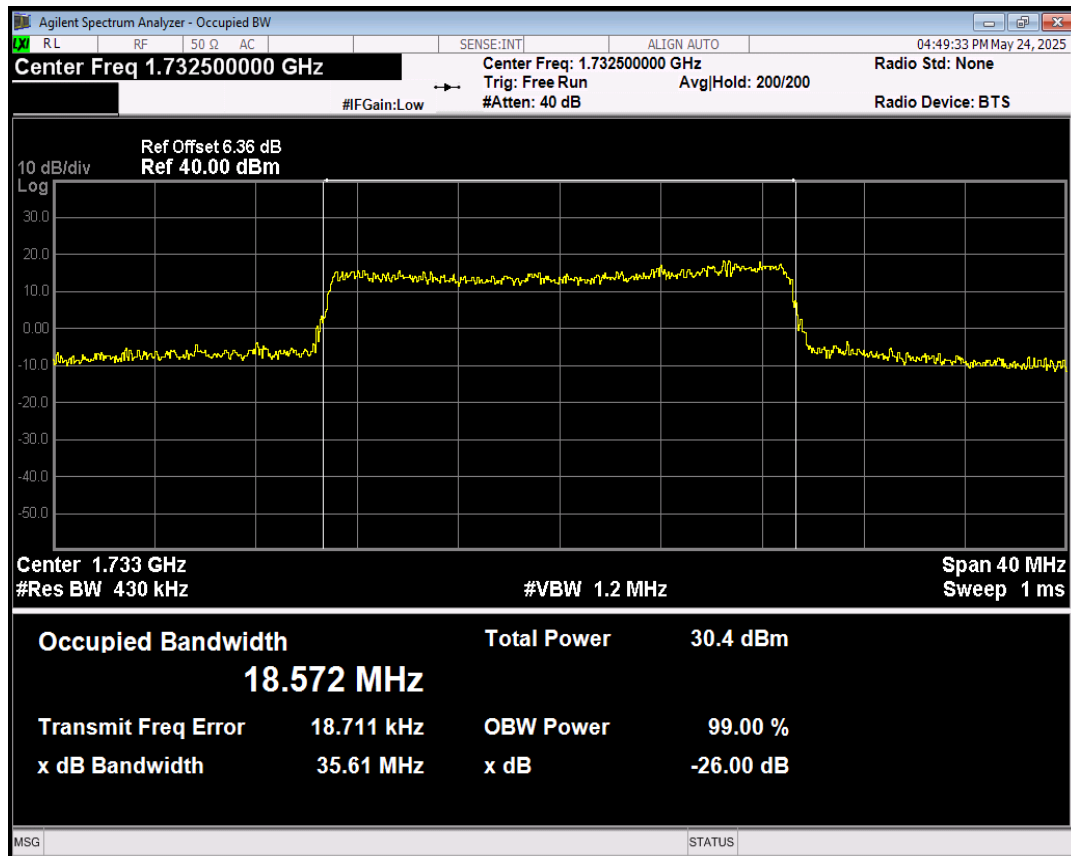


## Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

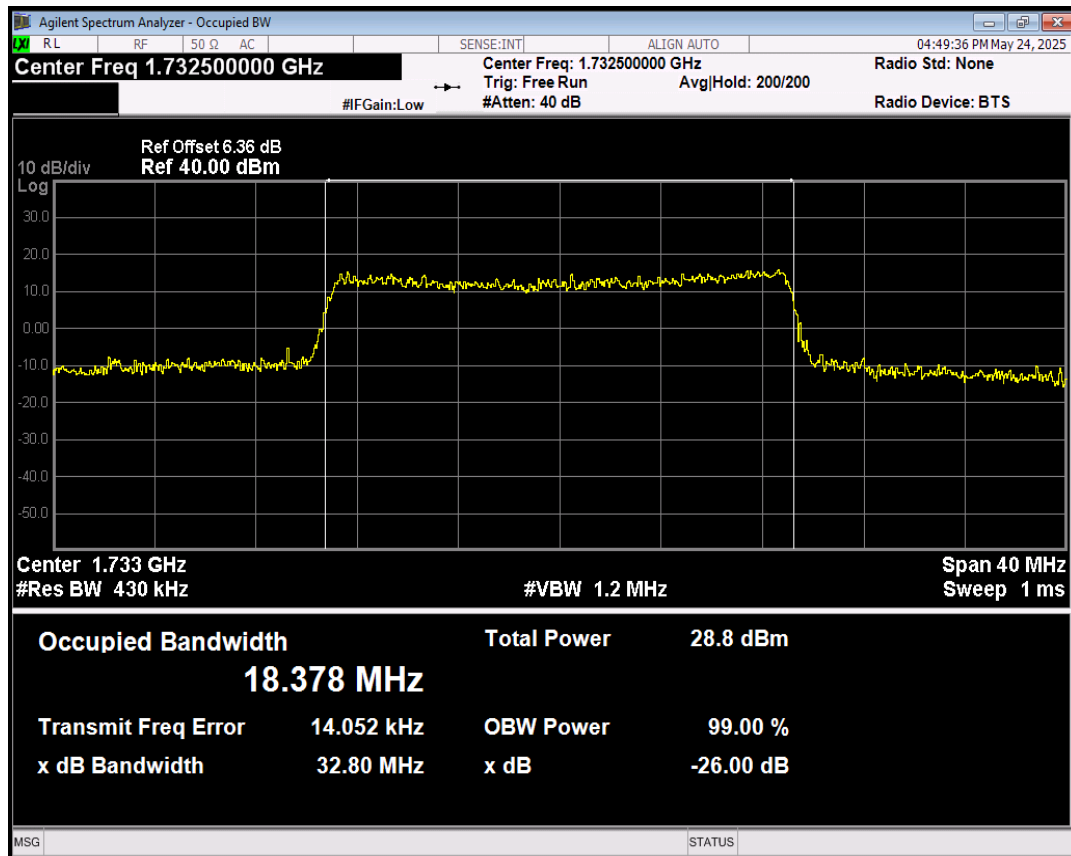




## Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

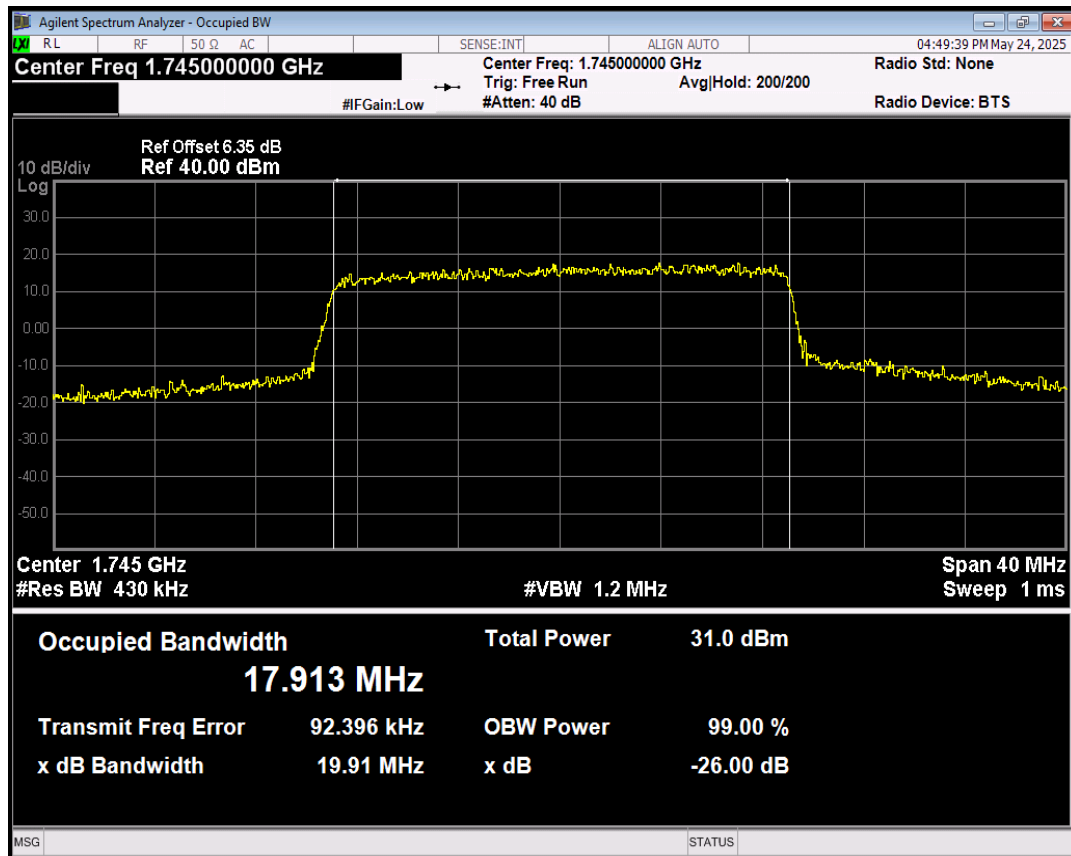


## Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT

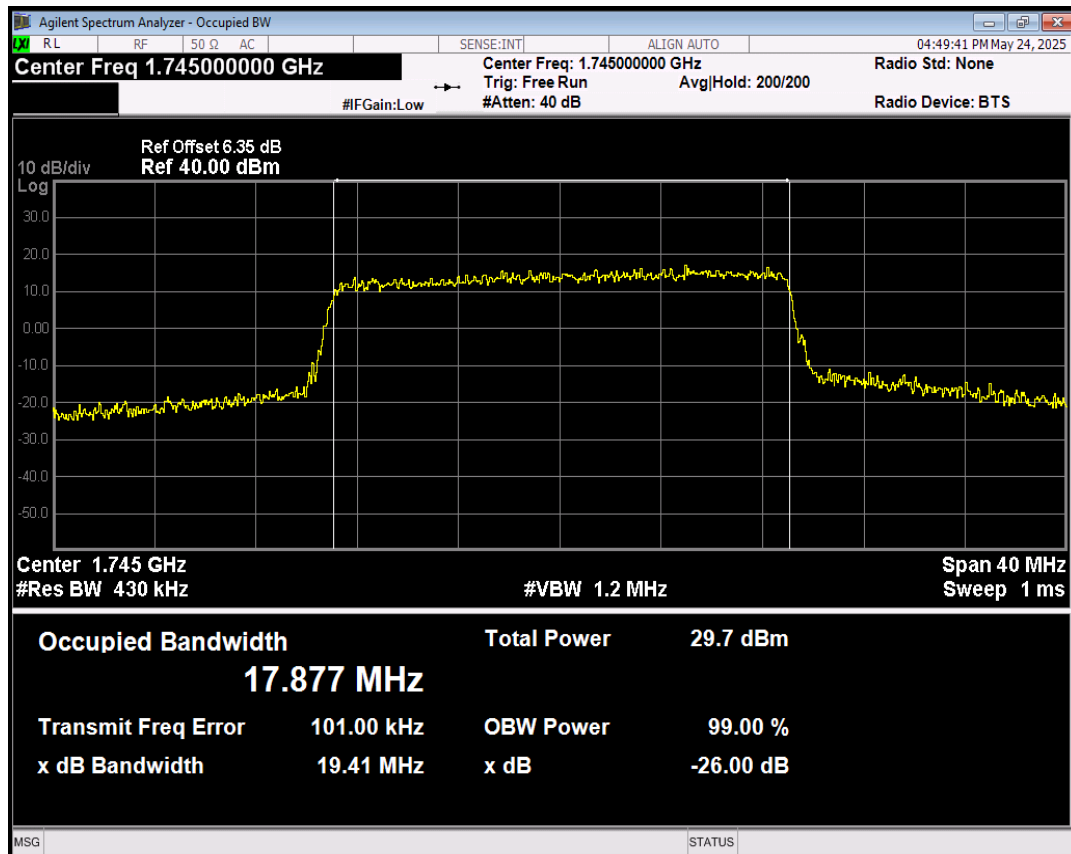


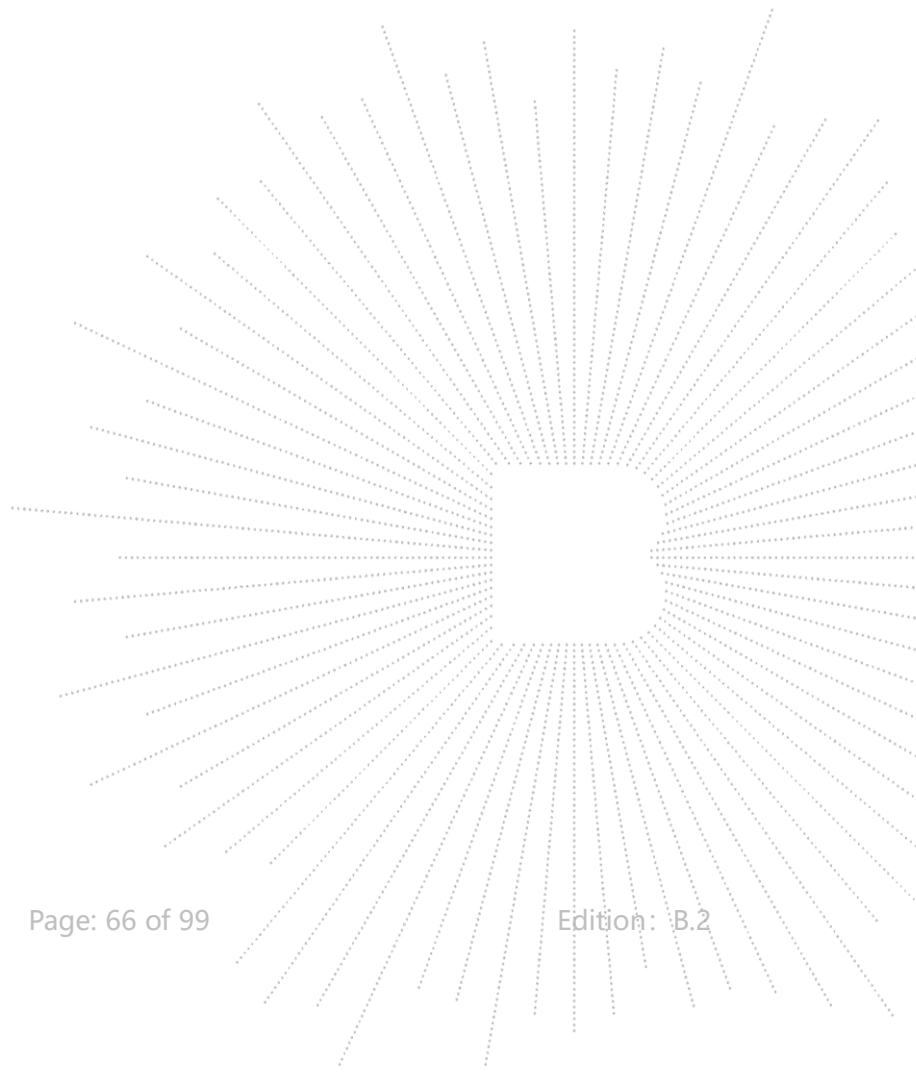


## Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



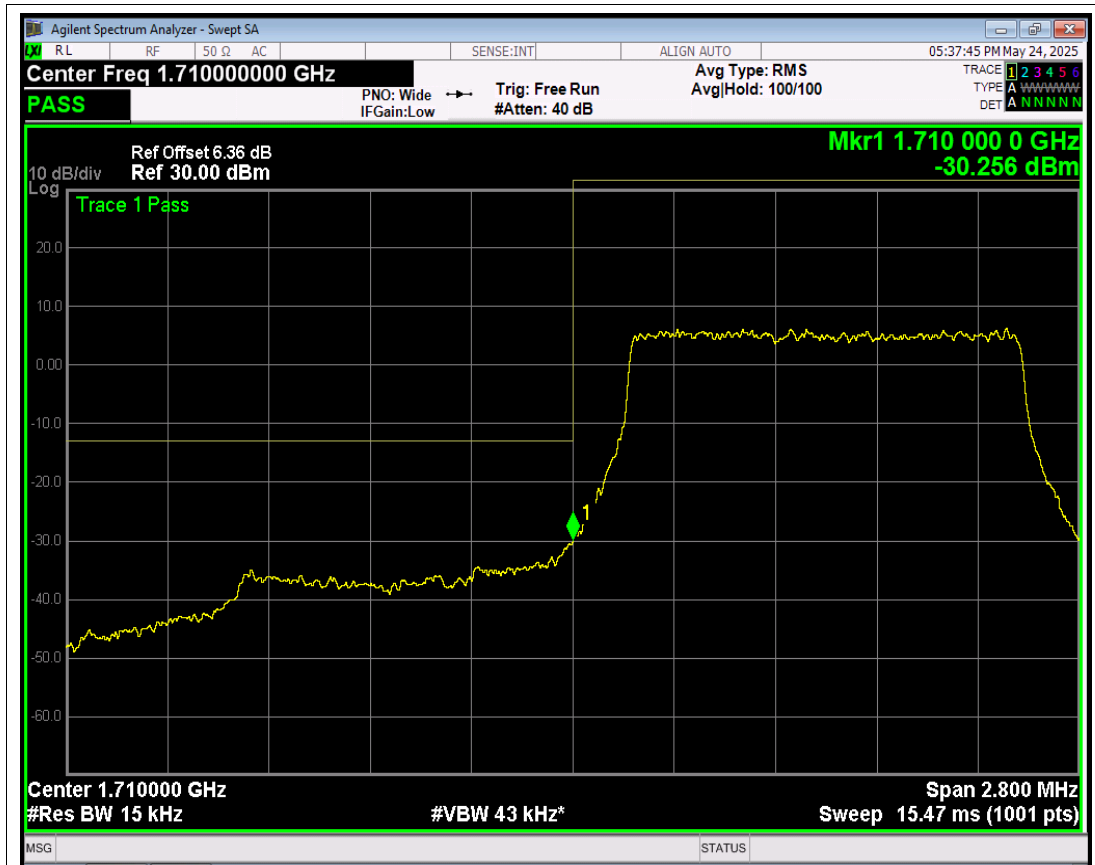
## Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



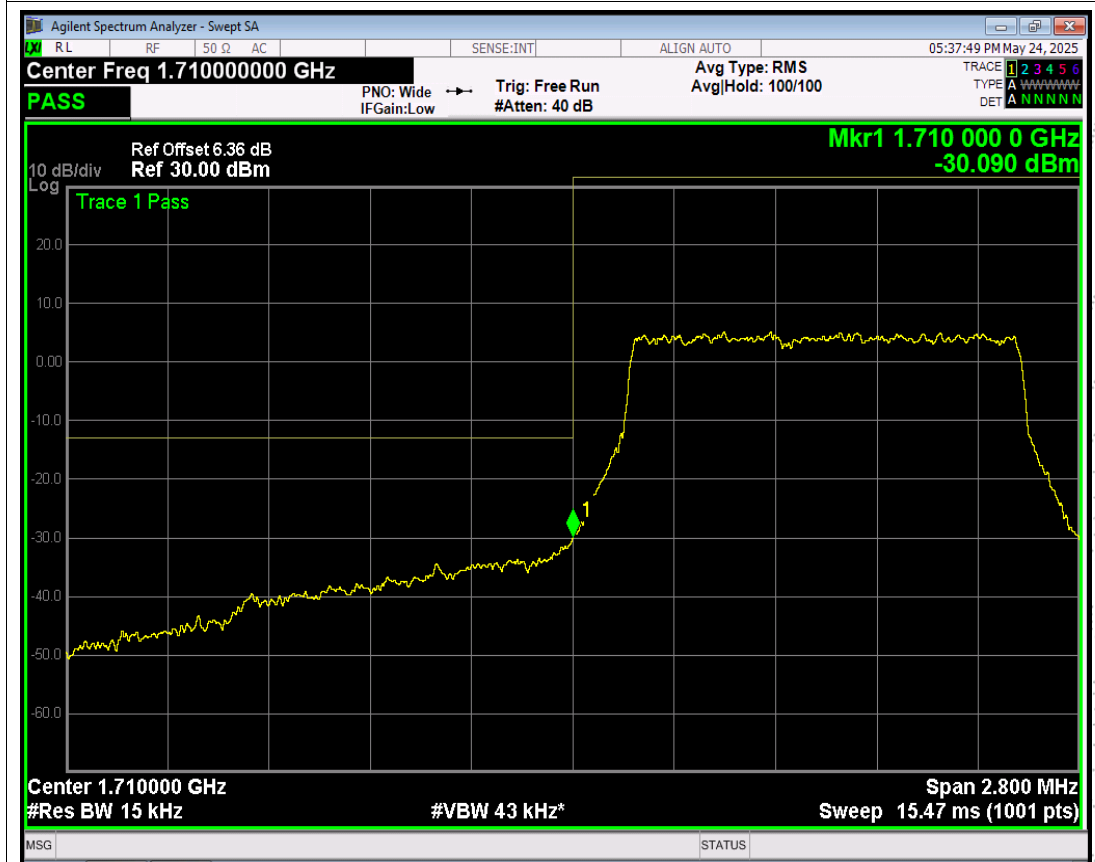


## Appendix 5. Band edge

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band4 | 1.4             | 19957      | 6       | #0          | QPSK       | 1710.00         | -30.25           | -13         | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | 16QAM      | 1710.00         | -30.08           | -13         | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QPSK       | 1755.00         | -24.58           | -13         | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | 16QAM      | 1755.00         | -27.79           | -13         | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | QPSK       | 1710.00         | -30.05           | -13         | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | 16QAM      | 1709.99         | -31.21           | -13         | PASS    |
| Band4 | 3               | 20385      | 15      | #0          | QPSK       | 1755.02         | -24.73           | -13         | PASS    |
| Band4 | 3               | 20385      | 15      | #0          | 16QAM      | 1755.00         | -26.34           | -13         | PASS    |
| Band4 | 5               | 19975      | 25      | #0          | QPSK       | 1709.97         | -30.73           | -13         | PASS    |
| Band4 | 5               | 19975      | 25      | #0          | 16QAM      | 1710.00         | -30.32           | -13         | PASS    |
| Band4 | 5               | 20375      | 25      | #0          | QPSK       | 1755.01         | -25.04           | -13         | PASS    |
| Band4 | 5               | 20375      | 25      | #0          | 16QAM      | 1755.03         | -26.97           | -13         | PASS    |
| Band4 | 10              | 20000      | 50      | #0          | QPSK       | 1710.00         | -29.41           | -13         | PASS    |
| Band4 | 10              | 20000      | 50      | #0          | 16QAM      | 1709.94         | -30.66           | -13         | PASS    |
| Band4 | 10              | 20350      | 50      | #0          | QPSK       | 1755.14         | -27.82           | -13         | PASS    |
| Band4 | 10              | 20350      | 50      | #0          | 16QAM      | 1755.00         | -29.58           | -13         | PASS    |
| Band4 | 15              | 20025      | 75      | #0          | QPSK       | 1710.00         | -25.94           | -13         | PASS    |
| Band4 | 15              | 20025      | 75      | #0          | 16QAM      | 1709.91         | -29.34           | -13         | PASS    |
| Band4 | 15              | 20325      | 75      | #0          | QPSK       | 1755.78         | -28.38           | -13         | PASS    |
| Band4 | 15              | 20325      | 75      | #0          | 16QAM      | 1756.92         | -31.37           | -13         | PASS    |
| Band4 | 20              | 20050      | 100     | #0          | QPSK       | 1709.88         | -29.35           | -13         | PASS    |
| Band4 | 20              | 20050      | 100     | #0          | 16QAM      | 1709.96         | -30.50           | -13         | PASS    |
| Band4 | 20              | 20300      | 100     | #0          | QPSK       | 1755.76         | -30.32           | -13         | PASS    |
| Band4 | 20              | 20300      | 100     | #0          | 16QAM      | 1755.32         | -31.49           | -13         | PASS    |



Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



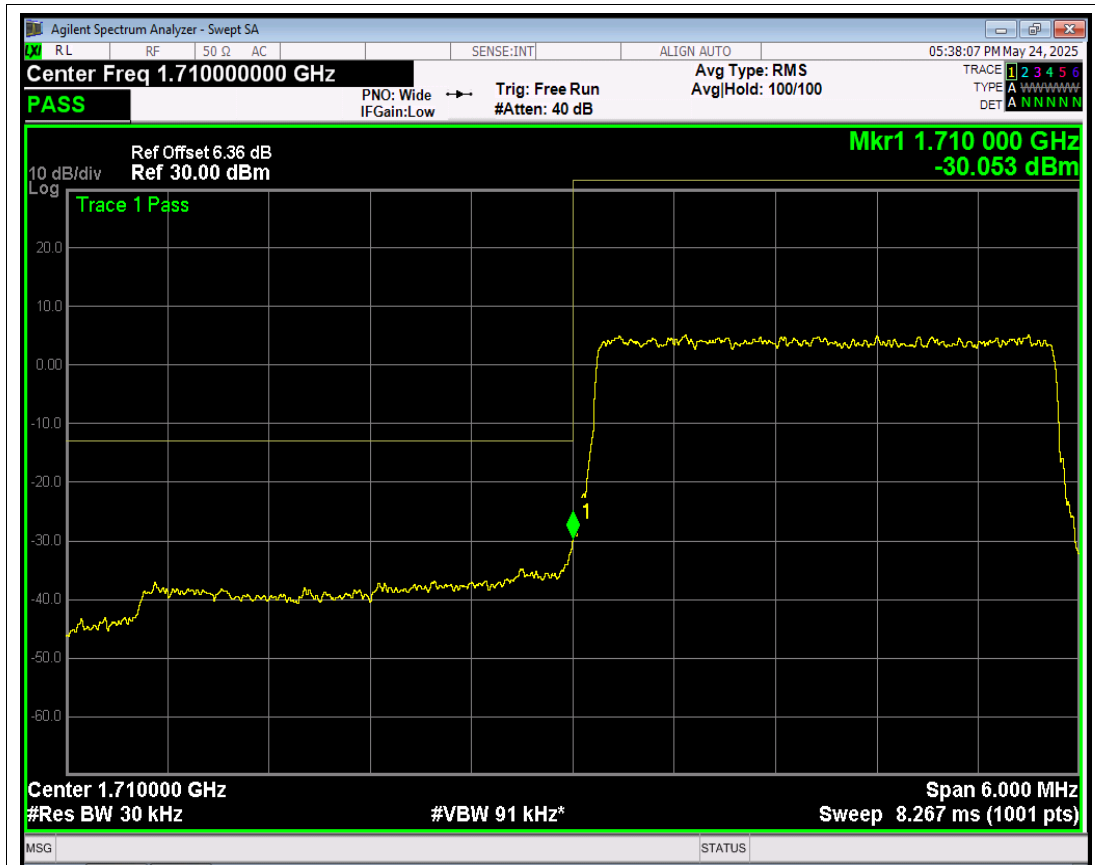
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



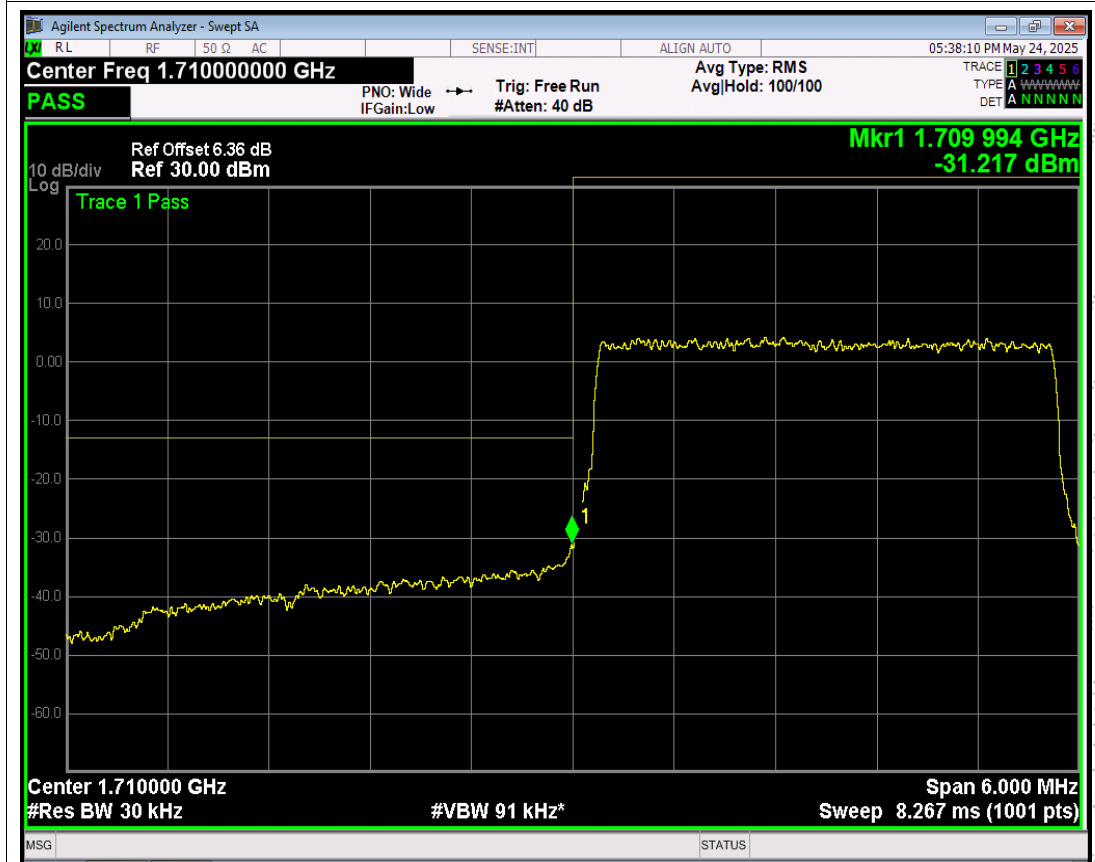
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



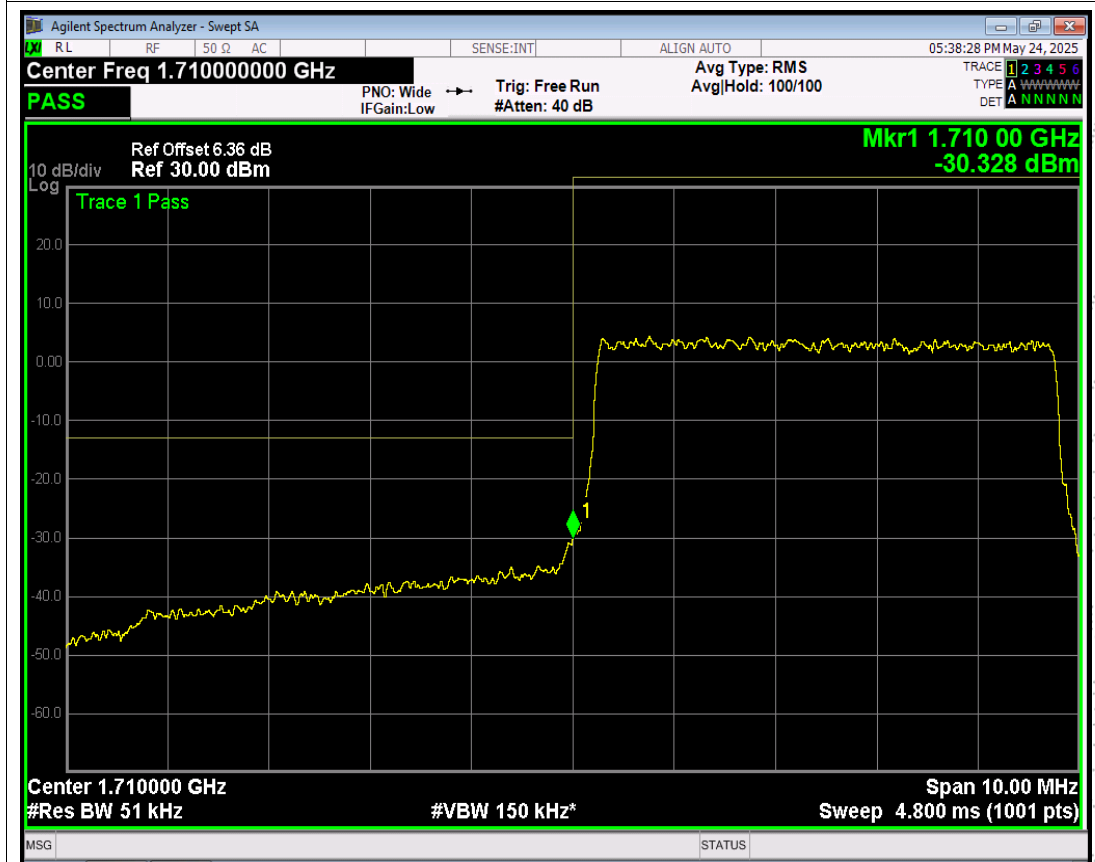
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



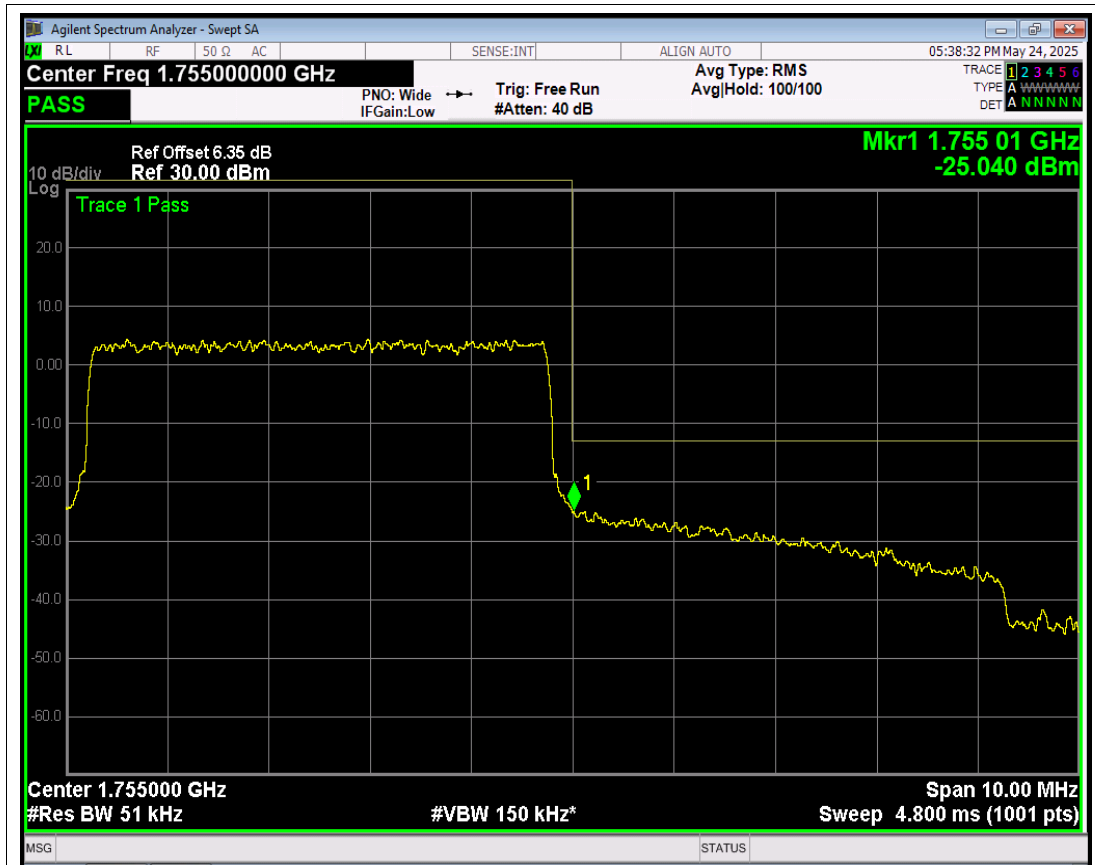
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



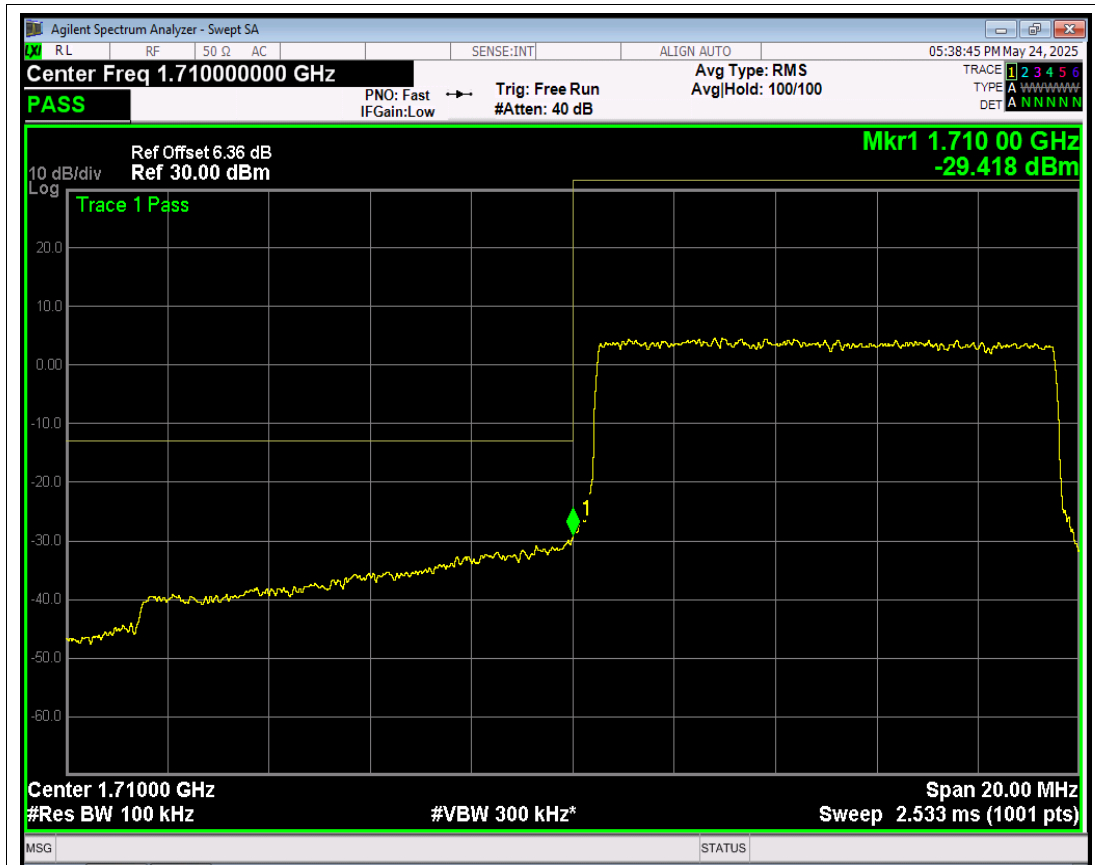
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



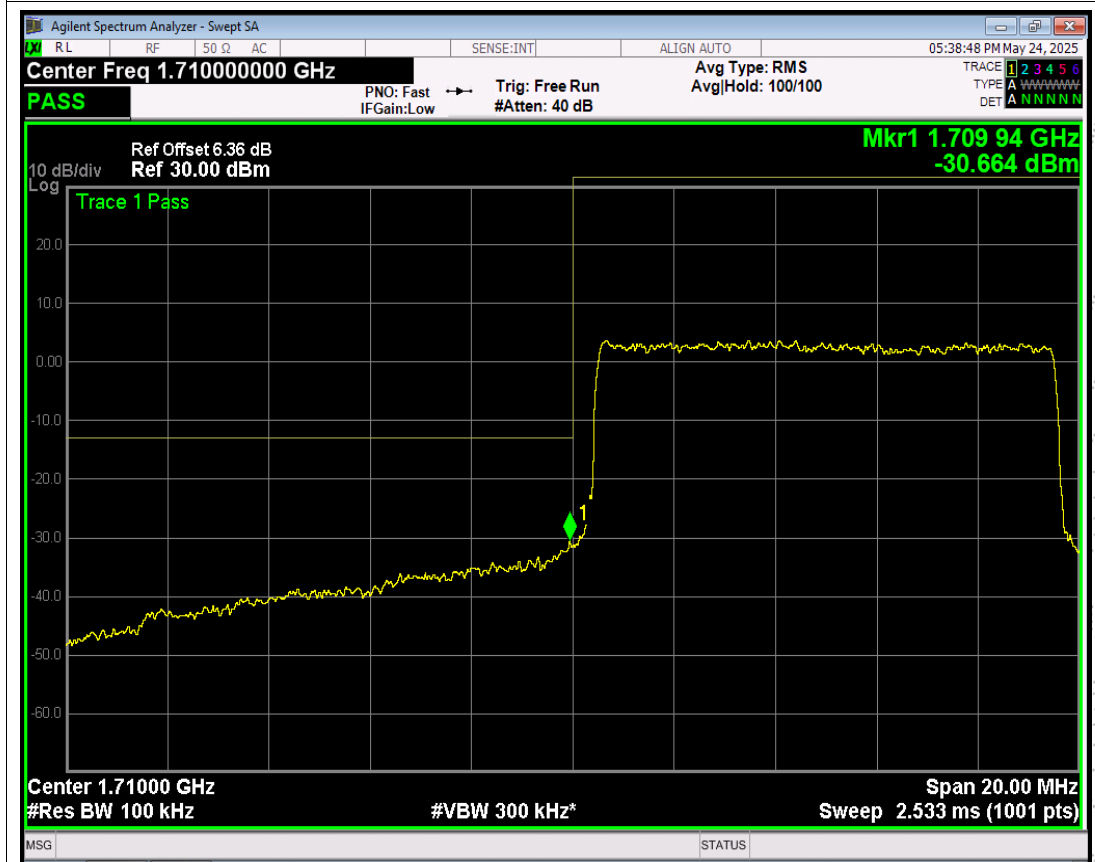
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



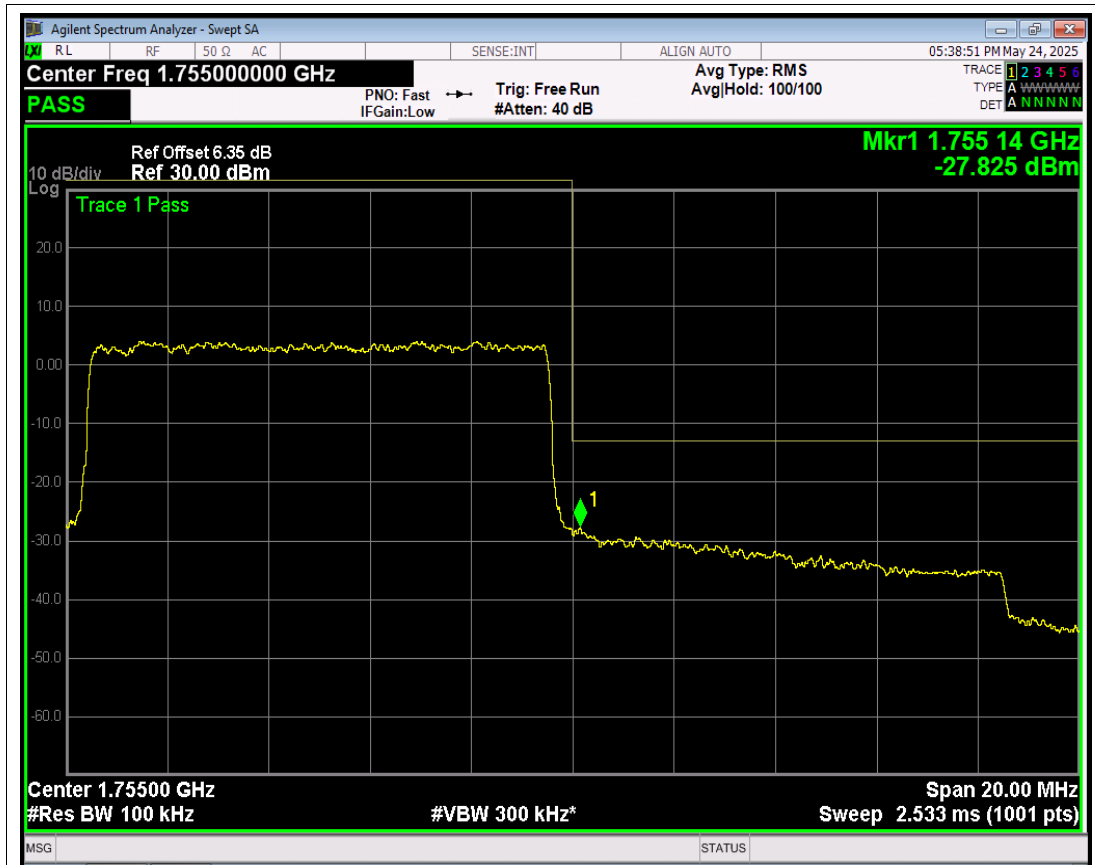
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



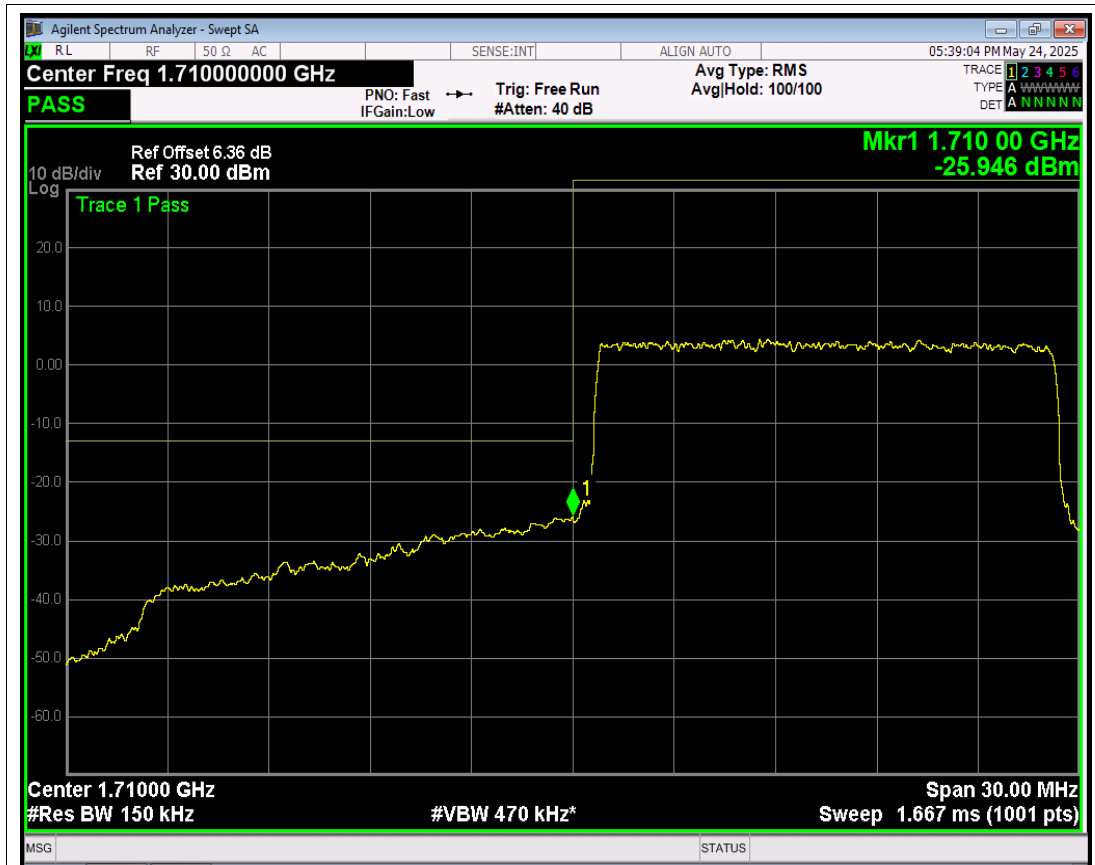
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



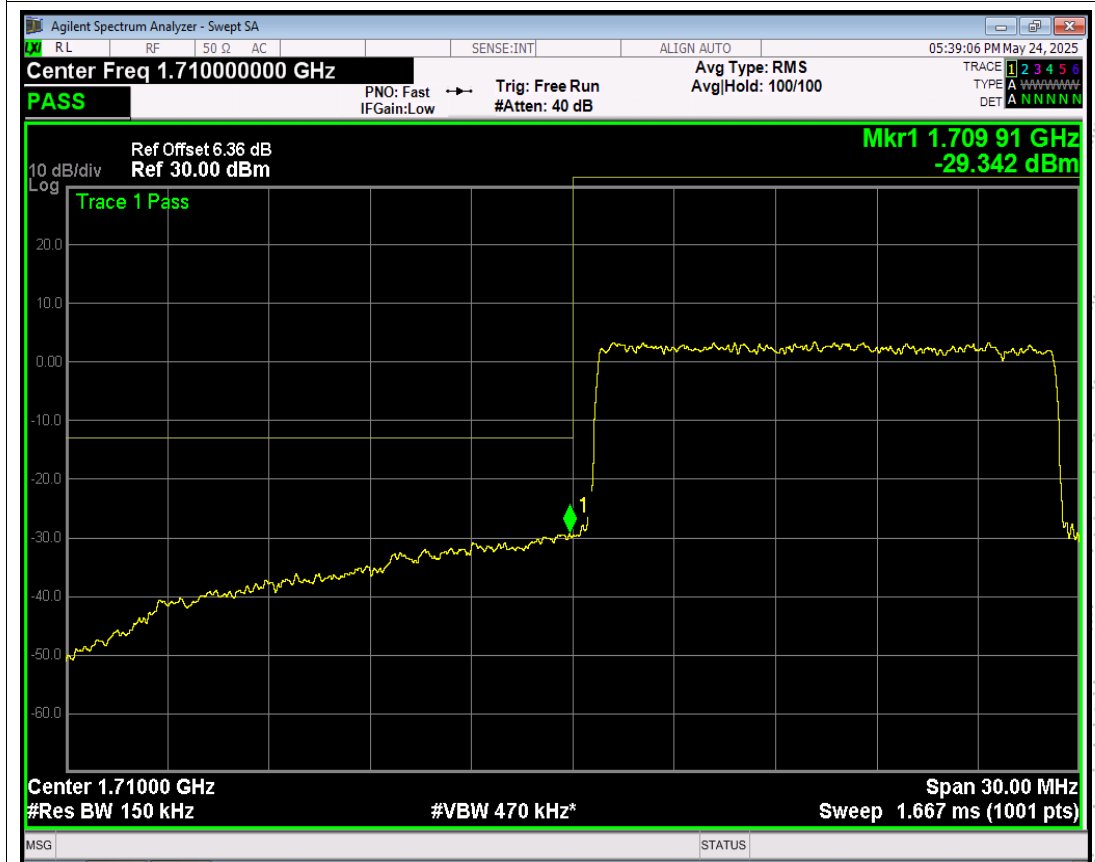
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



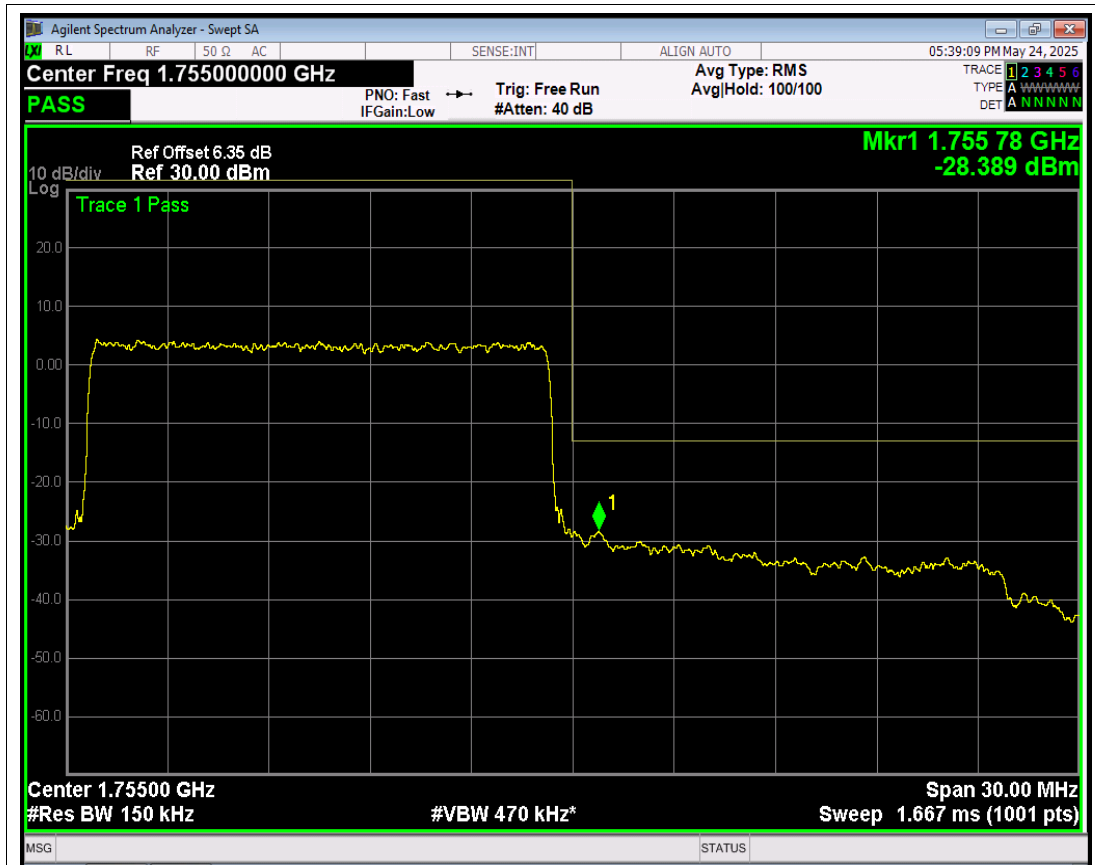
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



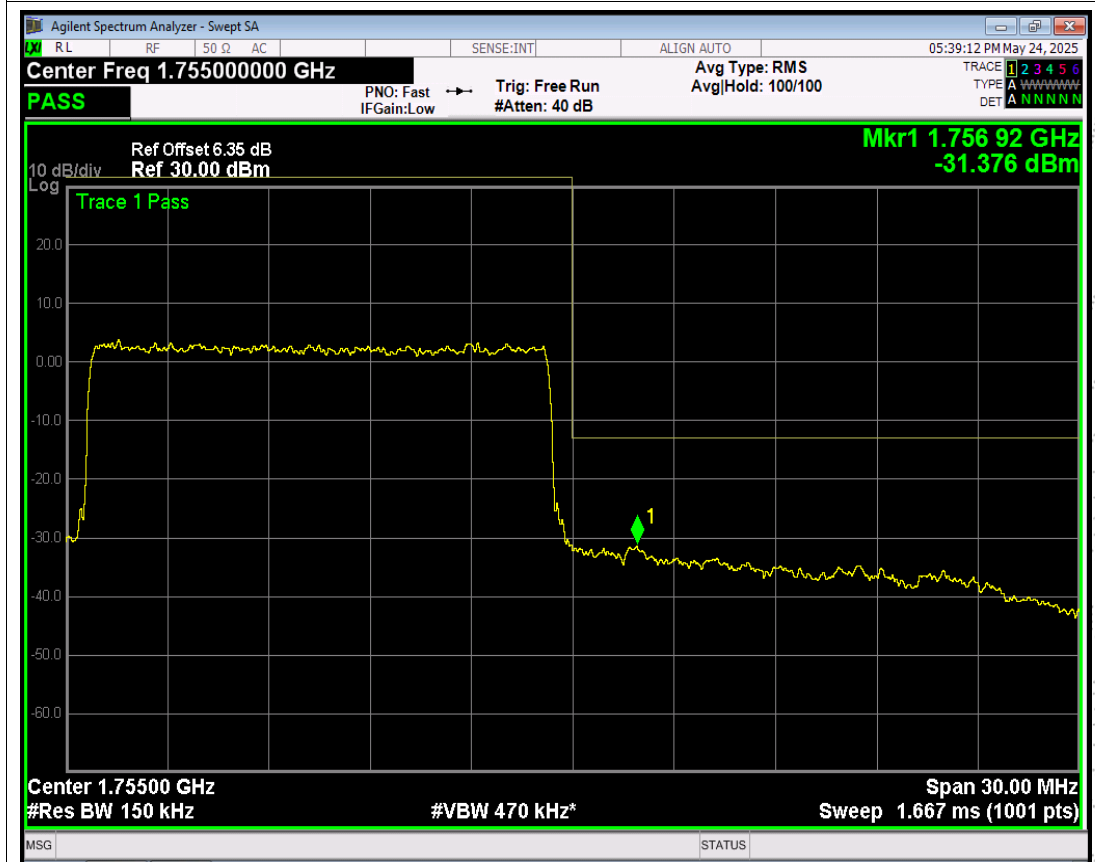
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



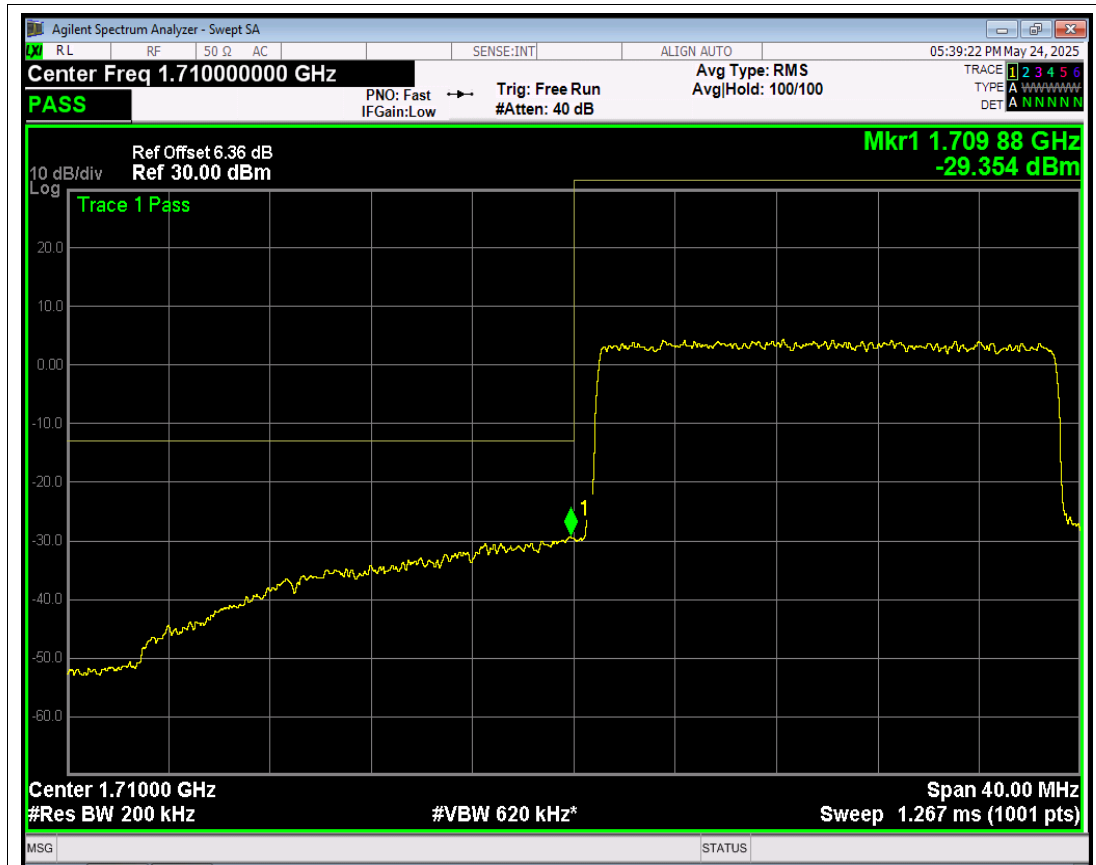
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



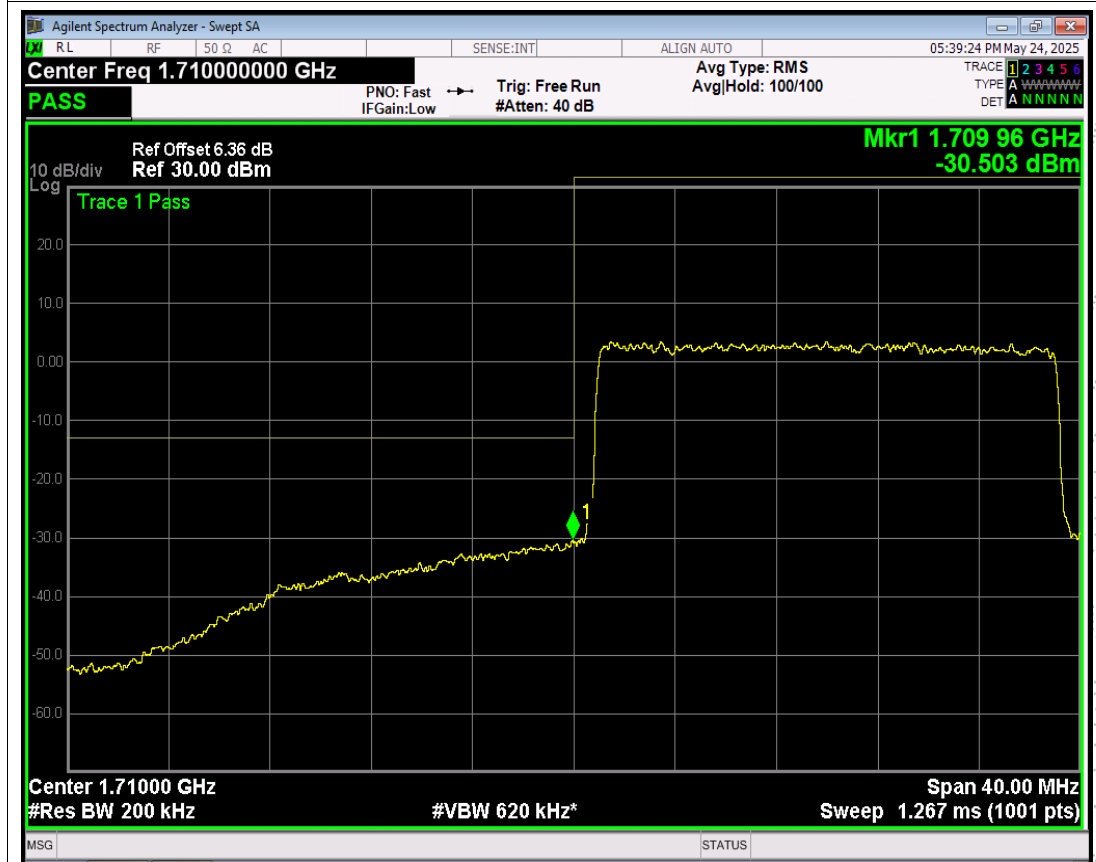
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



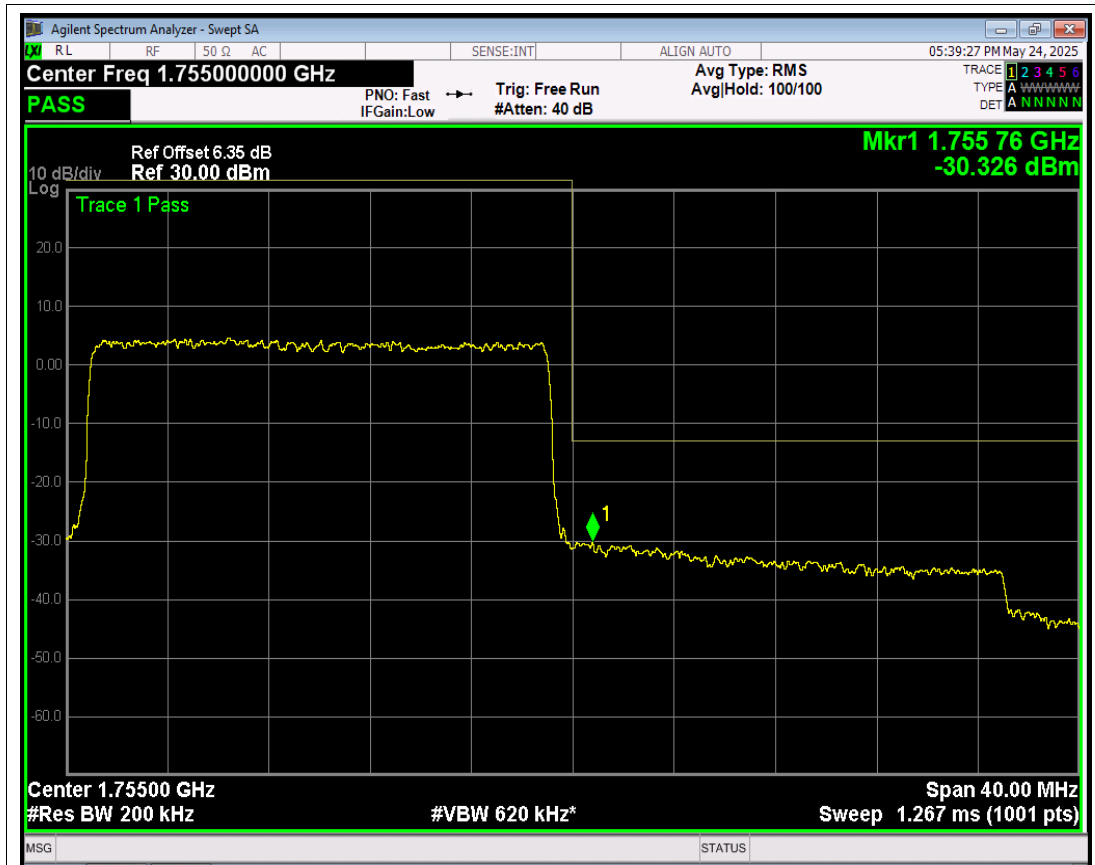
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



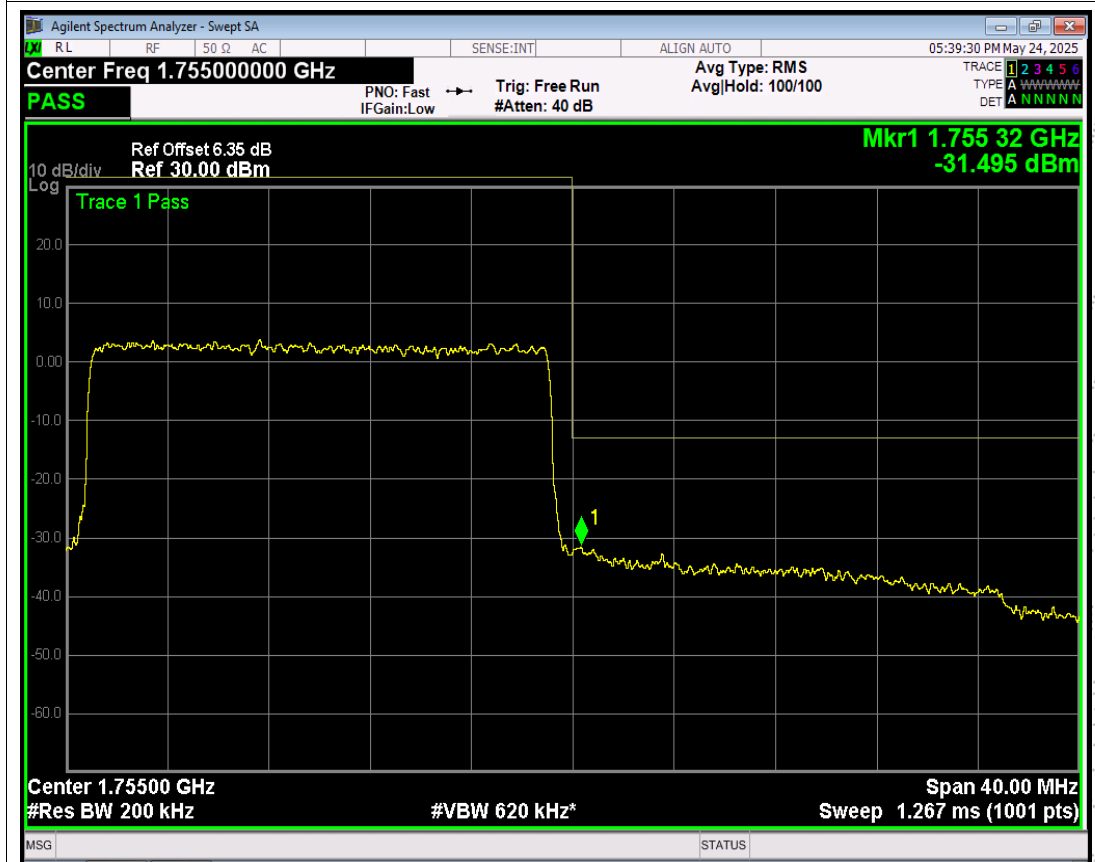
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



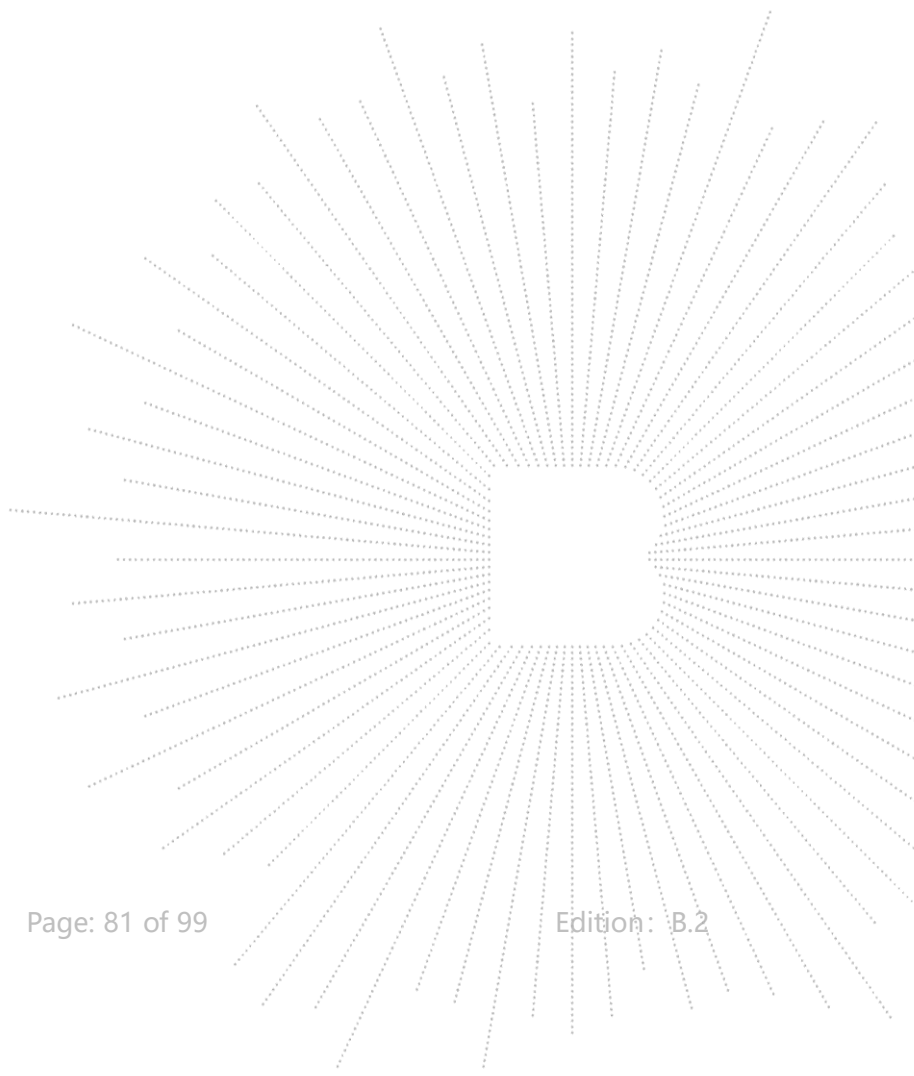
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT

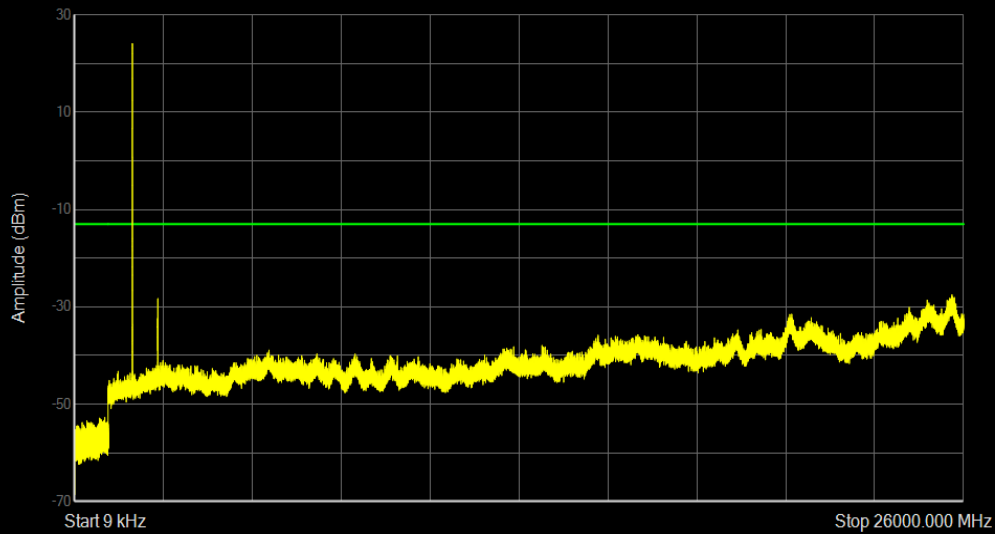


Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT

## Appendix 6. Out-of-band emissions

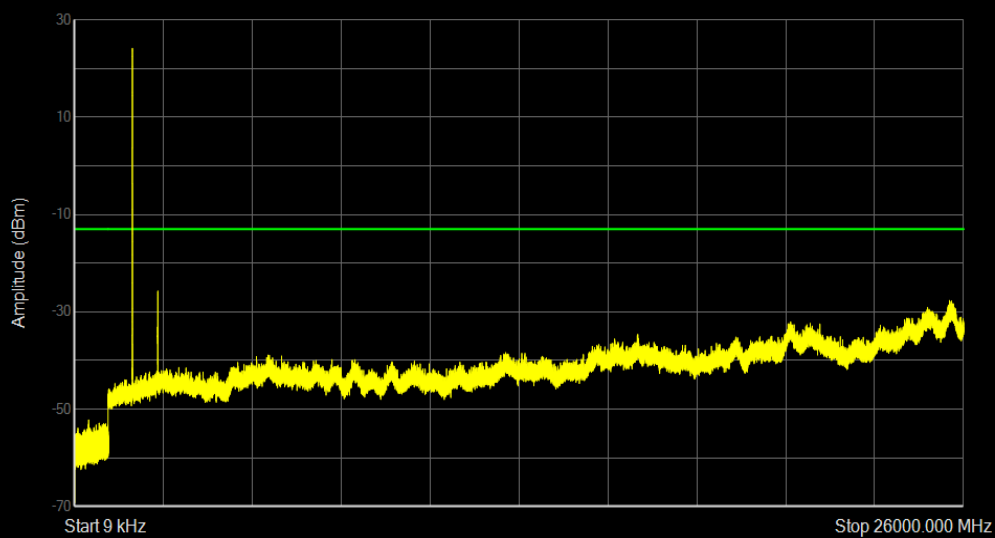
| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band4 | 1.4             | 19957      | 6       | #0          | QPSK       | 25661.25        | -27.52           | -13         | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | 16QAM      | 2454.38         | -25.74           | -13         | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QPSK       | 2453.75         | -25.59           | -13         | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | 16QAM      | 2455.00         | -27.41           | -13         | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QPSK       | 2453.75         | -24.84           | -13         | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | 16QAM      | 2453.75         | -23.79           | -13         | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | QPSK       | 2453.75         | -26.08           | -13         | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | 16QAM      | 25605.63        | -27.50           | -13         | PASS    |
| Band4 | 3               | 20175      | 15      | #0          | QPSK       | 2453.13         | -25.85           | -13         | PASS    |
| Band4 | 3               | 20175      | 15      | #0          | 16QAM      | 2453.75         | -25.18           | -13         | PASS    |
| Band4 | 3               | 20385      | 15      | #0          | QPSK       | 2453.75         | -27.06           | -13         | PASS    |
| Band4 | 3               | 20385      | 15      | #0          | 16QAM      | 2454.38         | -25.31           | -13         | PASS    |
| Band4 | 5               | 19975      | 25      | #0          | QPSK       | 2453.75         | -24.99           | -13         | PASS    |
| Band4 | 5               | 19975      | 25      | #0          | 16QAM      | 2454.38         | -25.17           | -13         | PASS    |
| Band4 | 5               | 20175      | 25      | #0          | QPSK       | 25680.63        | -27.71           | -13         | PASS    |
| Band4 | 5               | 20175      | 25      | #0          | 16QAM      | 2453.75         | -24.89           | -13         | PASS    |
| Band4 | 5               | 20375      | 25      | #0          | QPSK       | 2453.75         | -25.07           | -13         | PASS    |
| Band4 | 5               | 20375      | 25      | #0          | 16QAM      | 2453.75         | -25.35           | -13         | PASS    |
| Band4 | 10              | 20000      | 50      | #0          | QPSK       | 2454.38         | -24.50           | -13         | PASS    |
| Band4 | 10              | 20000      | 50      | #0          | 16QAM      | 2453.75         | -24.71           | -13         | PASS    |
| Band4 | 10              | 20175      | 50      | #0          | QPSK       | 2453.13         | -24.70           | -13         | PASS    |
| Band4 | 10              | 20175      | 50      | #0          | 16QAM      | 2453.75         | -25.75           | -13         | PASS    |
| Band4 | 10              | 20350      | 50      | #0          | QPSK       | 2454.38         | -24.27           | -13         | PASS    |
| Band4 | 10              | 20350      | 50      | #0          | 16QAM      | 2454.38         | -25.06           | -13         | PASS    |
| Band4 | 15              | 20025      | 75      | #0          | QPSK       | 2453.75         | -24.03           | -13         | PASS    |
| Band4 | 15              | 20025      | 75      | #0          | 16QAM      | 2454.38         | -24.97           | -13         | PASS    |
| Band4 | 15              | 20175      | 75      | #0          | QPSK       | 2453.75         | -25.39           | -13         | PASS    |
| Band4 | 15              | 20175      | 75      | #0          | 16QAM      | 2454.38         | -26.59           | -13         | PASS    |
| Band4 | 15              | 20325      | 75      | #0          | QPSK       | 2454.38         | -26.06           | -13         | PASS    |
| Band4 | 15              | 20325      | 75      | #0          | 16QAM      | 25635.63        | -26.78           | -13         | PASS    |
| Band4 | 20              | 20050      | 100     | #0          | QPSK       | 2453.75         | -26.26           | -13         | PASS    |
| Band4 | 20              | 20050      | 100     | #0          | 16QAM      | 25645.63        | -27.27           | -13         | PASS    |
| Band4 | 20              | 20175      | 100     | #0          | QPSK       | 2453.75         | -24.55           | -13         | PASS    |
| Band4 | 20              | 20175      | 100     | #0          | 16QAM      | 25640.63        | -27.68           | -13         | PASS    |
| Band4 | 20              | 20300      | 100     | #0          | QPSK       | 25650.63        | -26.33           | -13         | PASS    |
| Band4 | 20              | 20300      | 100     | #0          | 16QAM      | 2453.75         | -25.33           | -13         | PASS    |





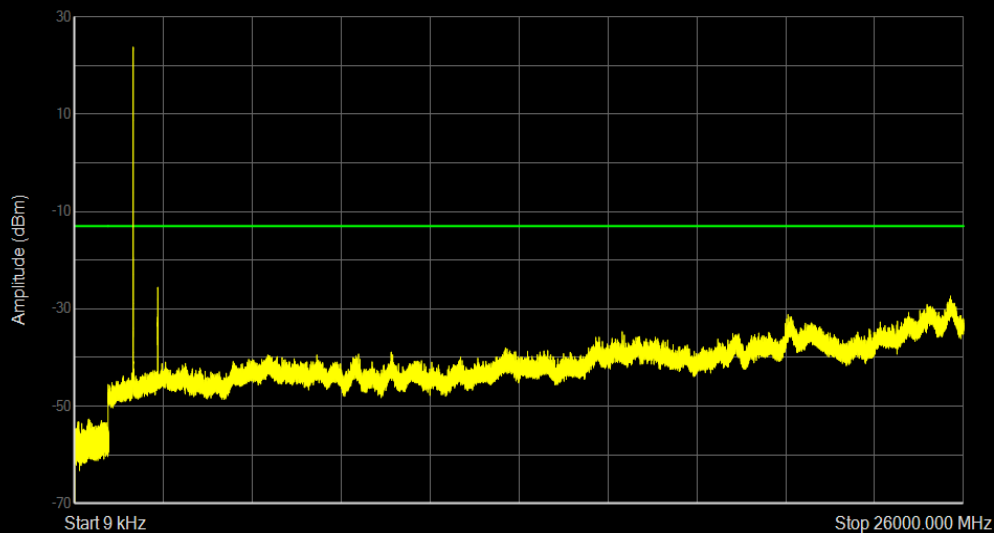
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01062855      | -48.43           | -13         |
| 2     | 0.15        | 30         | 10        | 0.158955        | -50.87           | -13         |
| 3     | 30          | 1000       | 100       | 904.91575       | -52.76           | -13         |
| 4     | 1000        | 26000      | 1000      | 25661.25        | -27.52           | -13         |

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



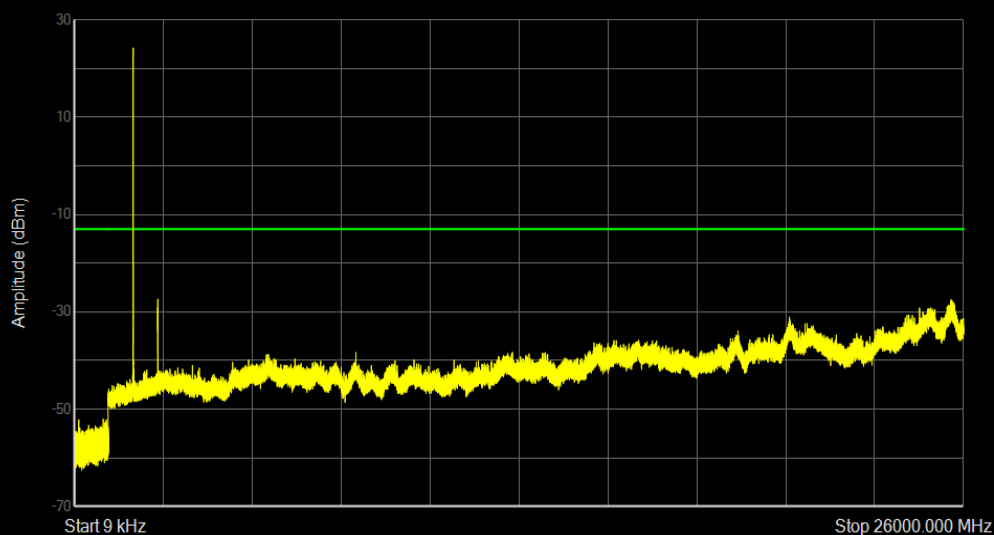
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009024675     | -48.03           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15074625      | -49.1            | -13         |
| 3     | 30          | 1000       | 100       | 433.10775       | -52.23           | -13         |
| 4     | 1000        | 26000      | 1000      | 2454.375        | -25.74           | -13         |

Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



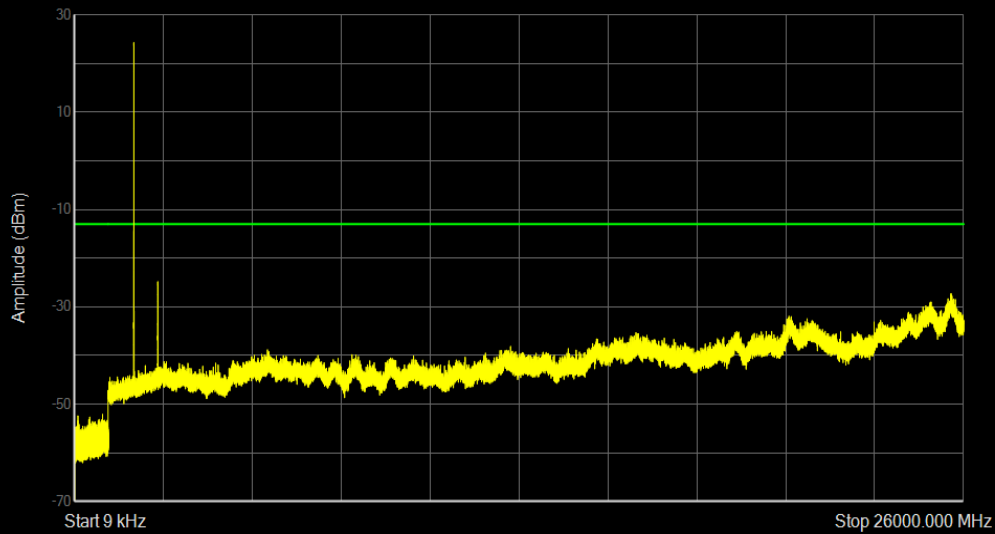
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0090282       | -49.71           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15597         | -49.69           | -13         |
| 3     | 30          | 1000       | 100       | 433.0835        | -52.67           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -25.59           | -13         |

Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



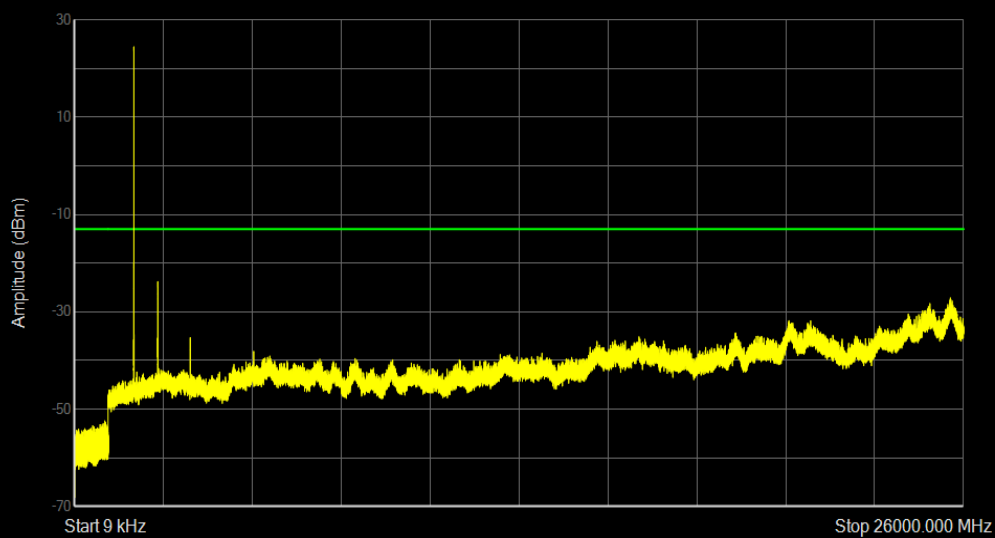
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0101421       | -49.95           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15373125      | -51.18           | -13         |
| 3     | 30          | 1000       | 100       | 857.507         | -52.08           | -13         |
| 4     | 1000        | 26000      | 1000      | 2455            | -27.41           | -13         |

Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



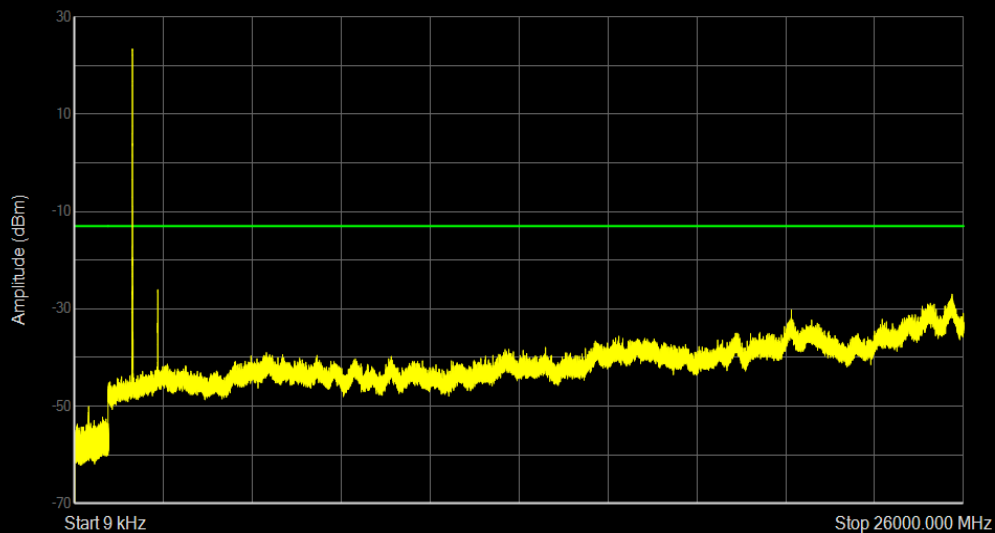
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -47.83           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16417875      | -50.69           | -13         |
| 3     | 30          | 1000       | 100       | 839.63475       | -52.12           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -24.84           | -13         |

Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



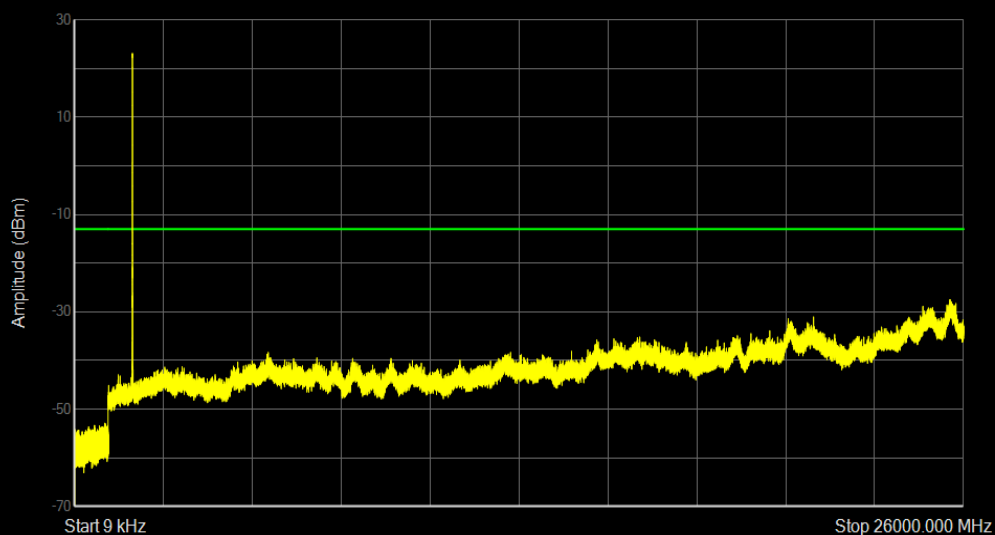
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.011675475     | -48.46           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1604475       | -49.69           | -13         |
| 3     | 30          | 1000       | 100       | 904.96425       | -52.41           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -23.79           | -13         |

Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



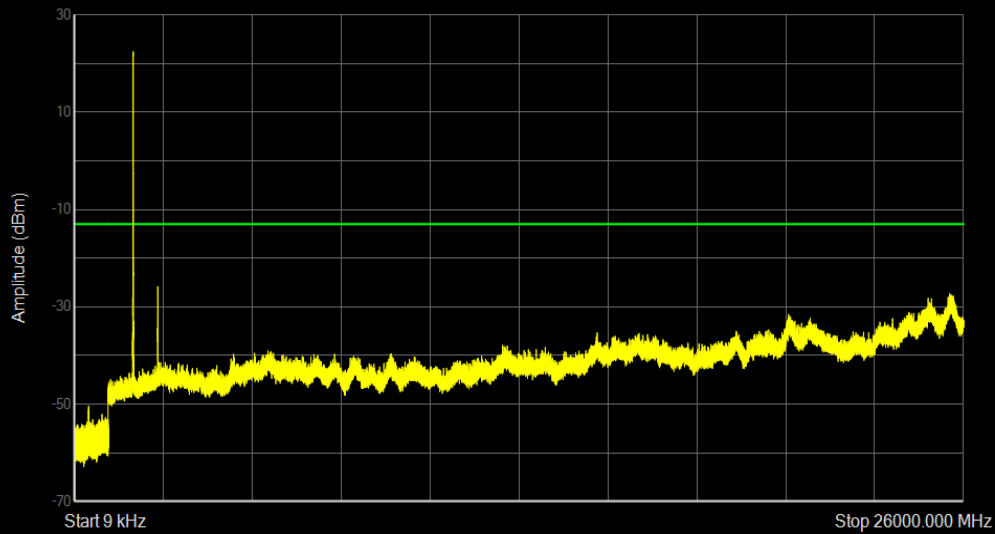
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -49.45           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16268625      | -50.44           | -13         |
| 3     | 30          | 1000       | 100       | 432.6955        | -50.08           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -26.08           | -13         |

Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



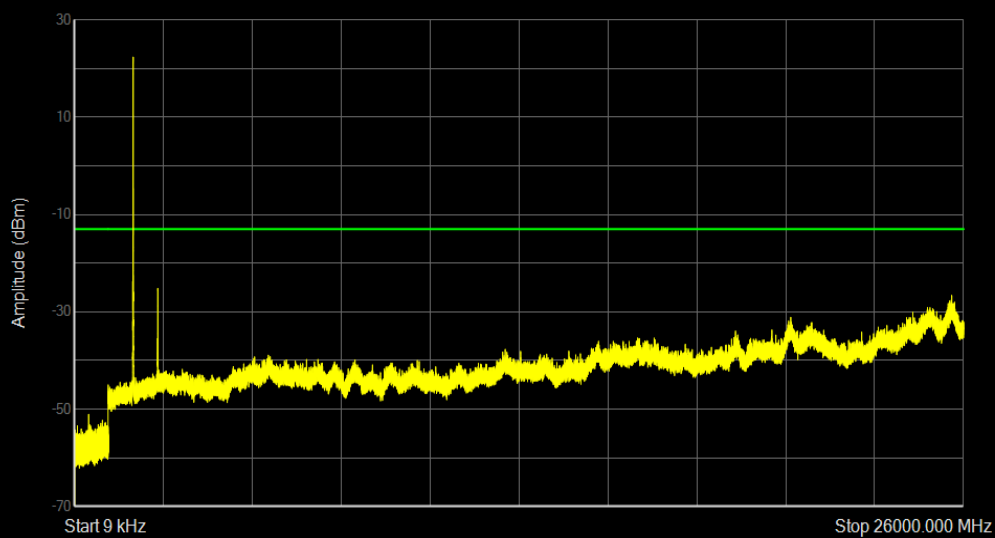
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009200925     | -47.79           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16268625      | -51.48           | -13         |
| 3     | 30          | 1000       | 100       | 901.13275       | -52.89           | -13         |
| 4     | 1000        | 26000      | 1000      | 25605.625       | -27.5            | -13         |

Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



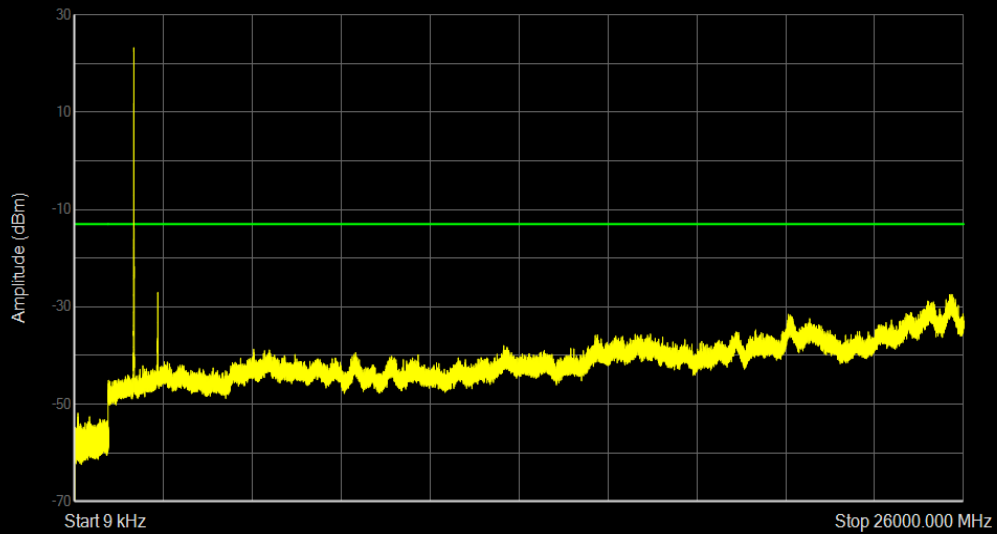
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01172835      | -49.43           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15373125      | -51.27           | -13         |
| 3     | 30          | 1000       | 100       | 432.91375       | -50.44           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.125        | -25.85           | -13         |

Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



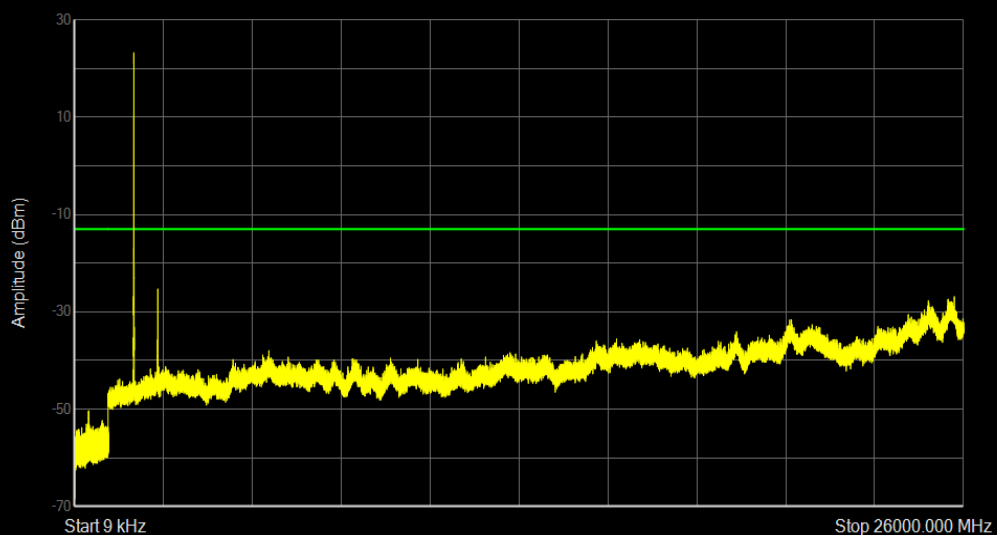
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009475875     | -47.26           | -13         |
| 2     | 0.15        | 30         | 10        | 0.158955        | -50.72           | -13         |
| 3     | 30          | 1000       | 100       | 432.7925        | -51.07           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -25.18           | -13         |

Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



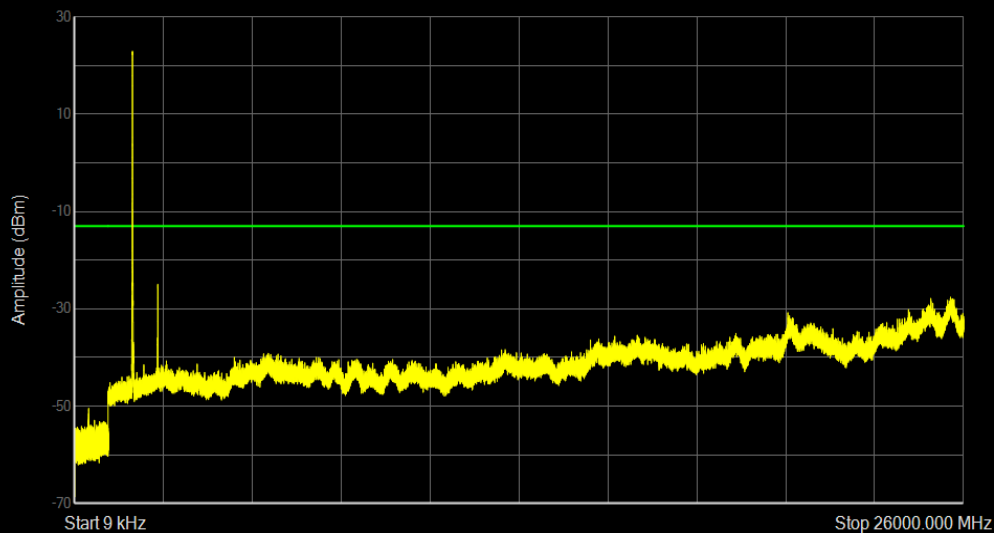
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0118623       | -50              | -13         |
| 2     | 0.15        | 30         | 10        | 0.164925        | -51.12           | -13         |
| 3     | 30          | 1000       | 100       | 121.762         | -51.91           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -27.06           | -13         |

Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



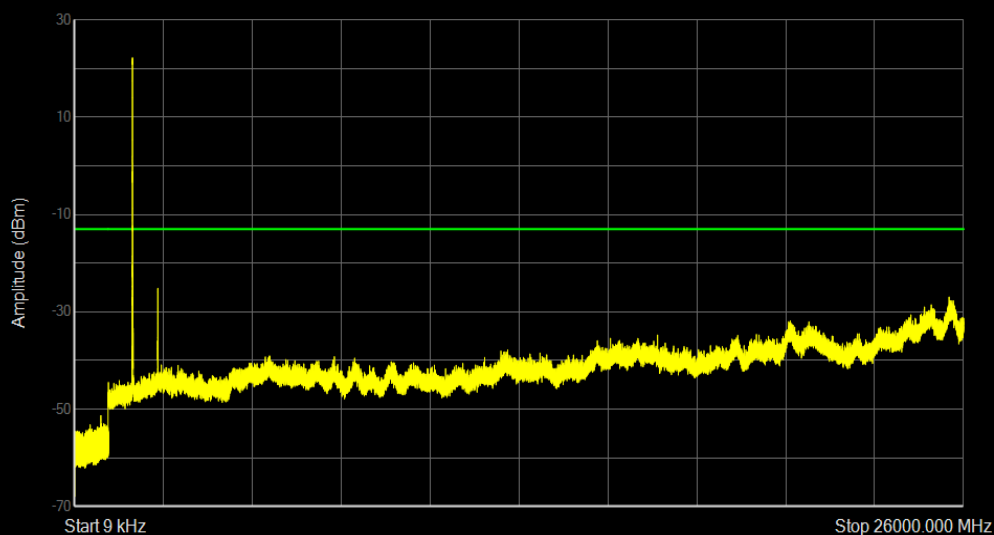
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.00955695      | -49.37           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -49.44           | -13         |
| 3     | 30          | 1000       | 100       | 432.8895        | -50.36           | -13         |
| 4     | 1000        | 26000      | 1000      | 2454.375        | -25.31           | -13         |

Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



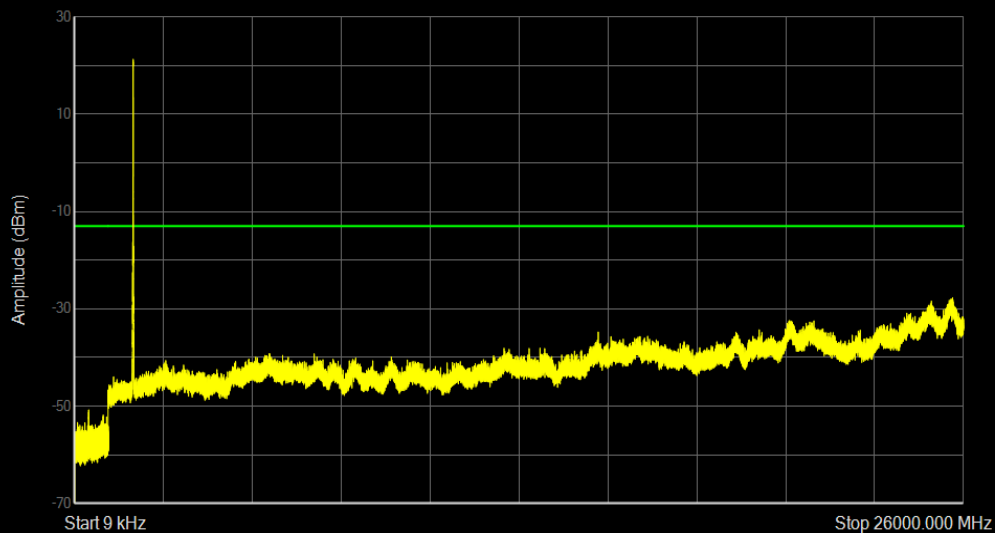
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009588675     | -48.61           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15223875      | -49.03           | -13         |
| 3     | 30          | 1000       | 100       | 433.035         | -50.5            | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -24.99           | -13         |

Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



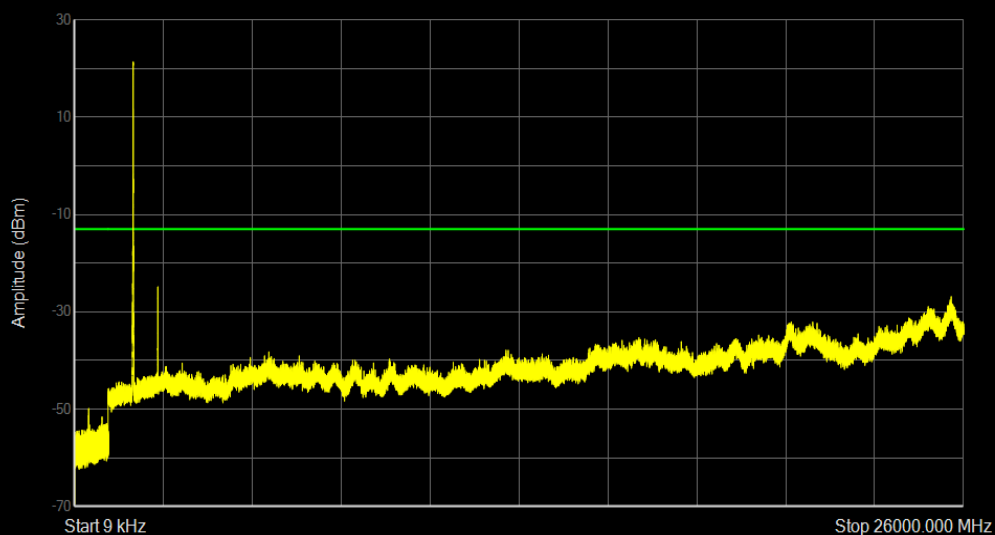
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -48.29           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15074625      | -50.5            | -13         |
| 3     | 30          | 1000       | 100       | 791.1105        | -51.35           | -13         |
| 4     | 1000        | 26000      | 1000      | 2454.375        | -25.17           | -13         |

Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



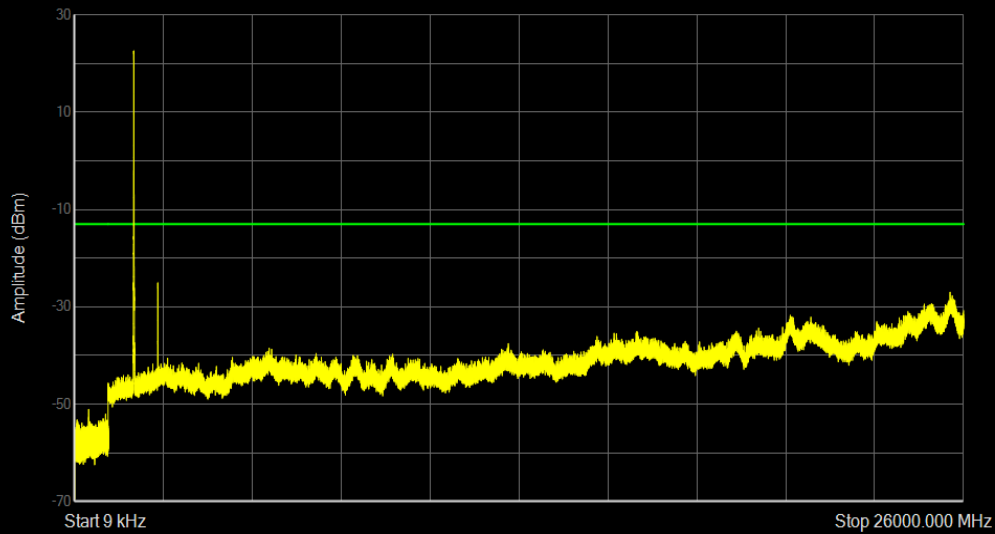
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.010660275     | -48.67           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15970125      | -49.88           | -13         |
| 3     | 30          | 1000       | 100       | 432.81675       | -50.79           | -13         |
| 4     | 1000        | 26000      | 1000      | 25680.625       | -27.71           | -13         |

Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



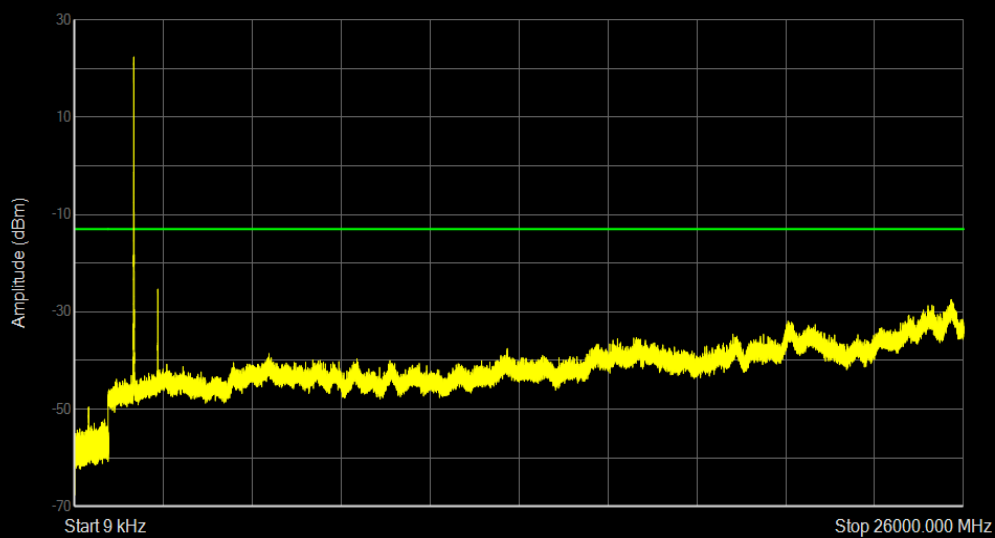
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -49.54           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16865625      | -49.91           | -13         |
| 3     | 30          | 1000       | 100       | 433.035         | -49.87           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -24.89           | -13         |

Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



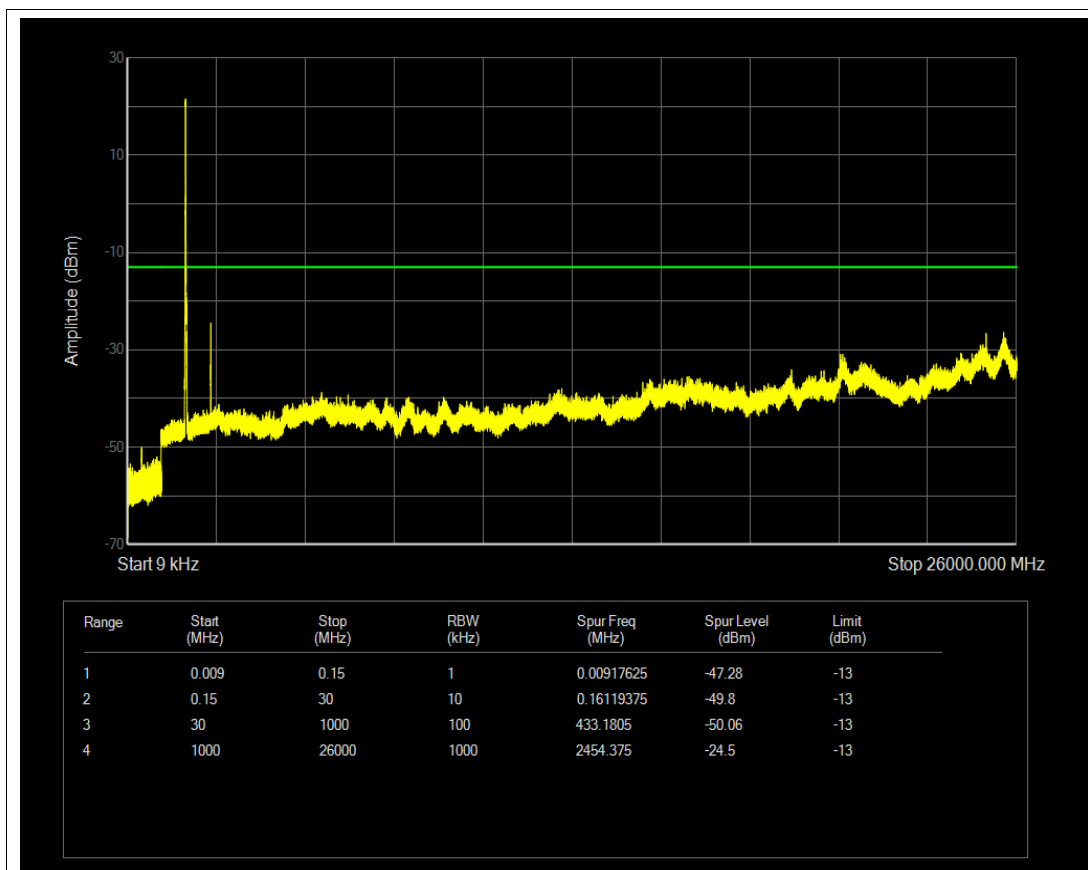
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.010385325     | -47.92           | -13         |
| 2     | 0.15        | 30         | 10        | 0.170895        | -50.85           | -13         |
| 3     | 30          | 1000       | 100       | 433.15625       | -51.09           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -25.07           | -13         |

Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT

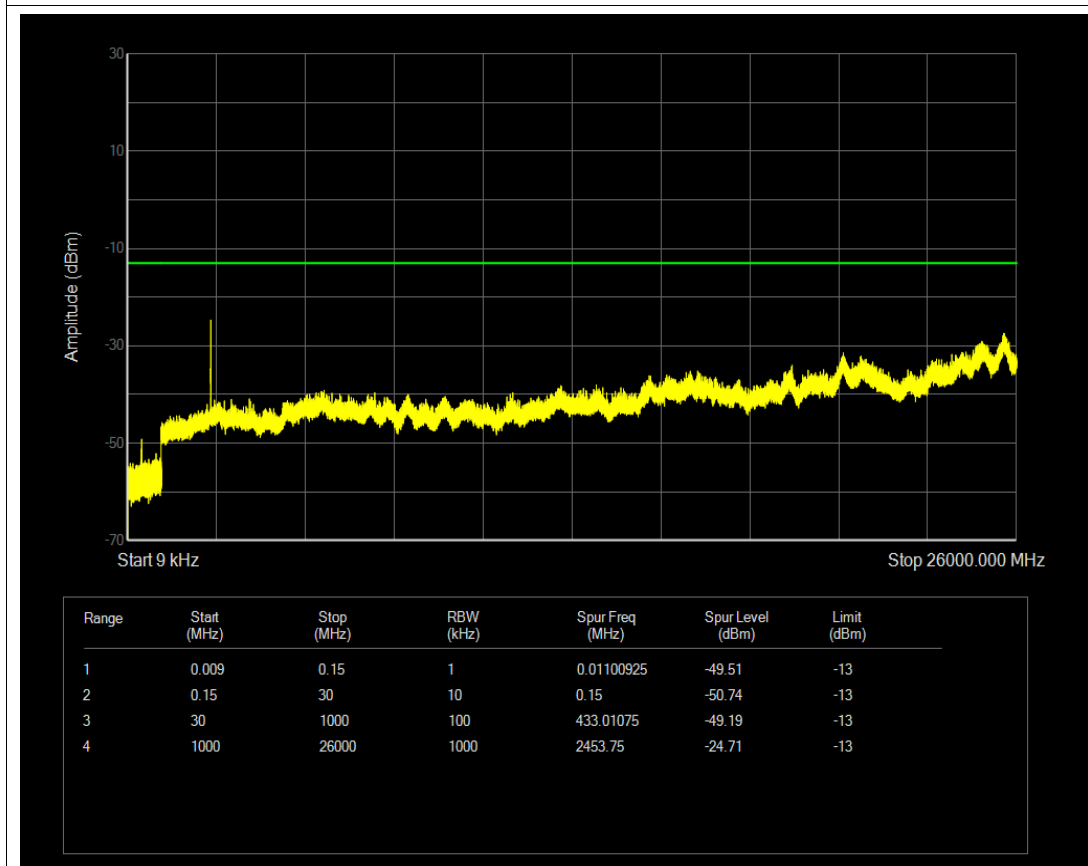


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01123485      | -48.5            | -13         |
| 2     | 0.15        | 30         | 10        | 0.15223875      | -51.33           | -13         |
| 3     | 30          | 1000       | 100       | 433.0835        | -49.57           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -25.35           | -13         |

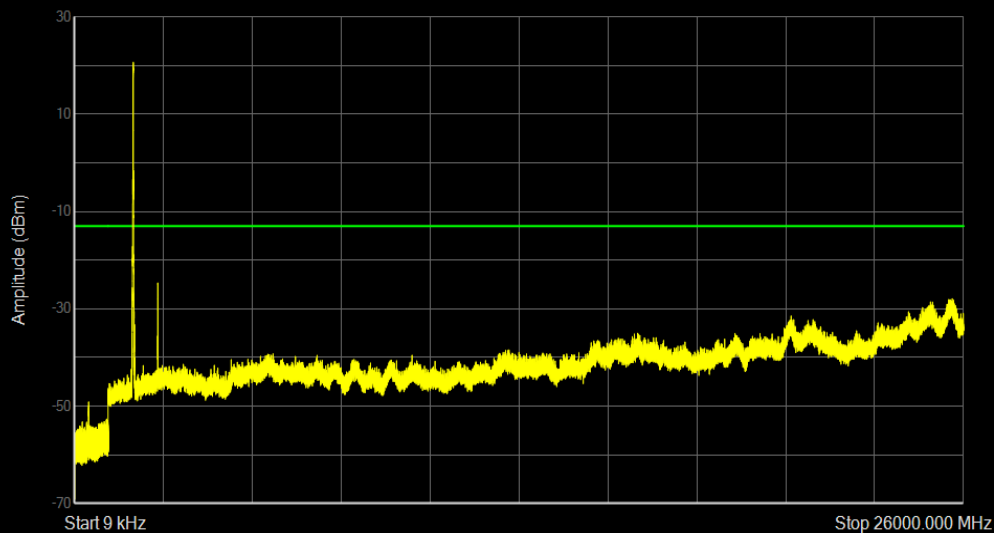
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

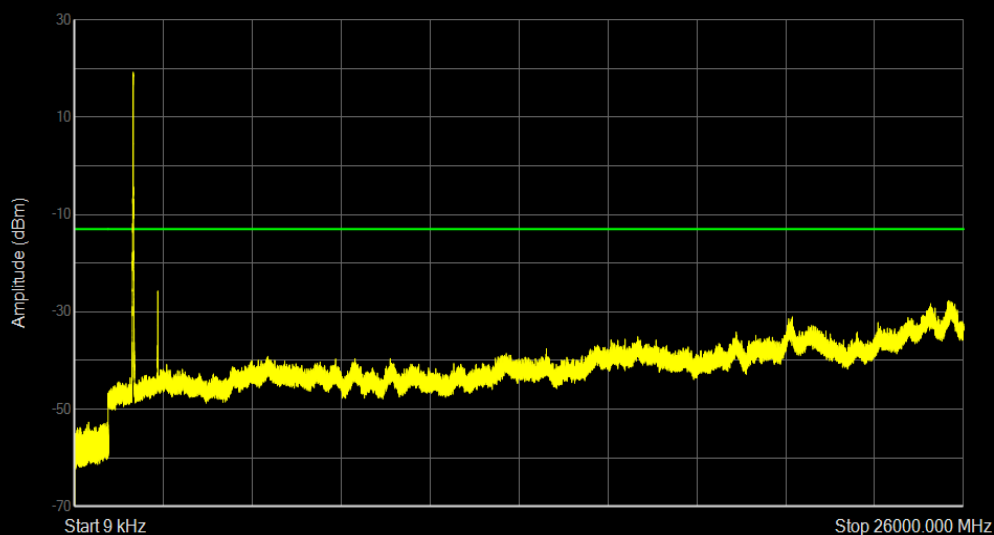


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



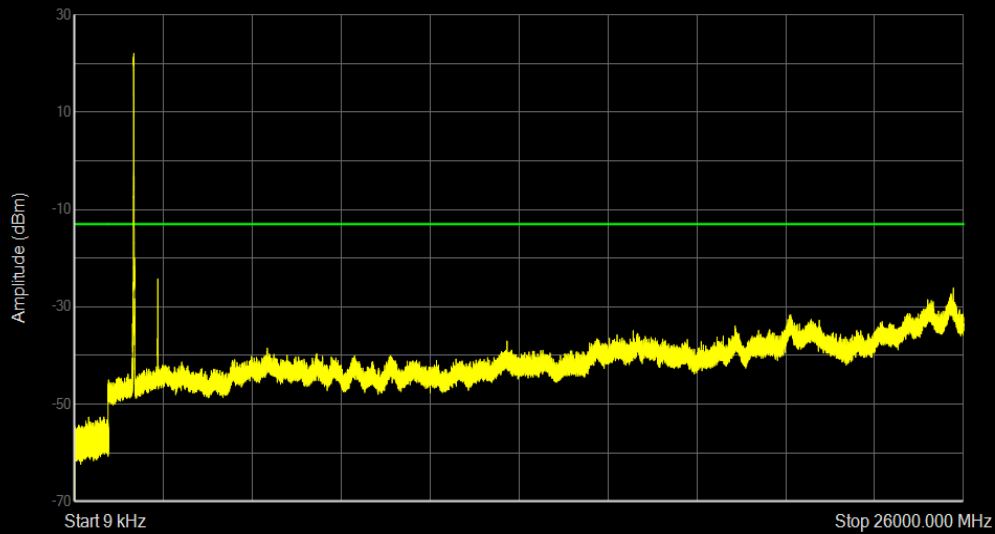
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009           | -48.22           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16119375      | -50.52           | -13         |
| 3     | 30          | 1000       | 100       | 433.05925       | -49.14           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.125        | -24.7            | -13         |

Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



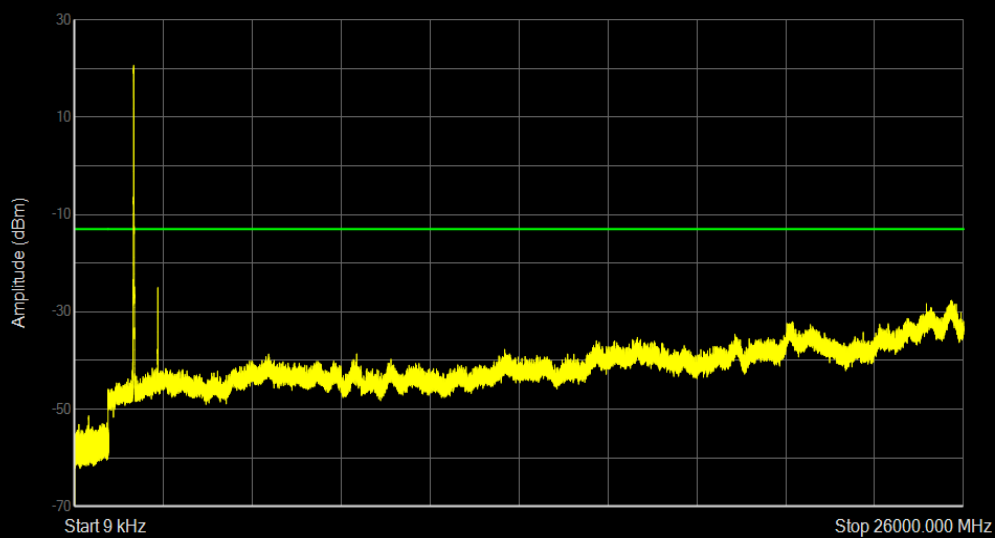
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009313725     | -49.27           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1544775       | -49.27           | -13         |
| 3     | 30          | 1000       | 100       | 433.132         | -52.69           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -25.75           | -13         |

Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



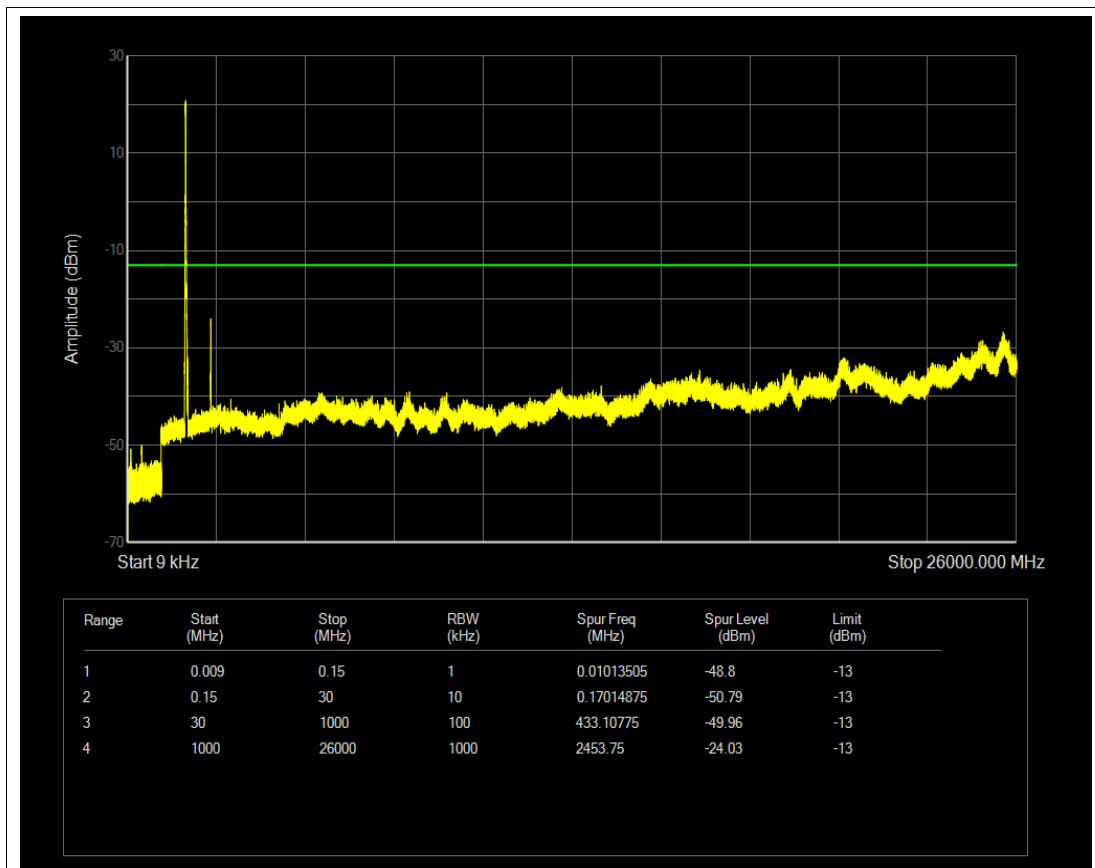
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009948225     | -48.08           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15074625      | -50.38           | -13         |
| 3     | 30          | 1000       | 100       | 877.2465        | -52.65           | -13         |
| 4     | 1000        | 26000      | 1000      | 2454.375        | -24.27           | -13         |

Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

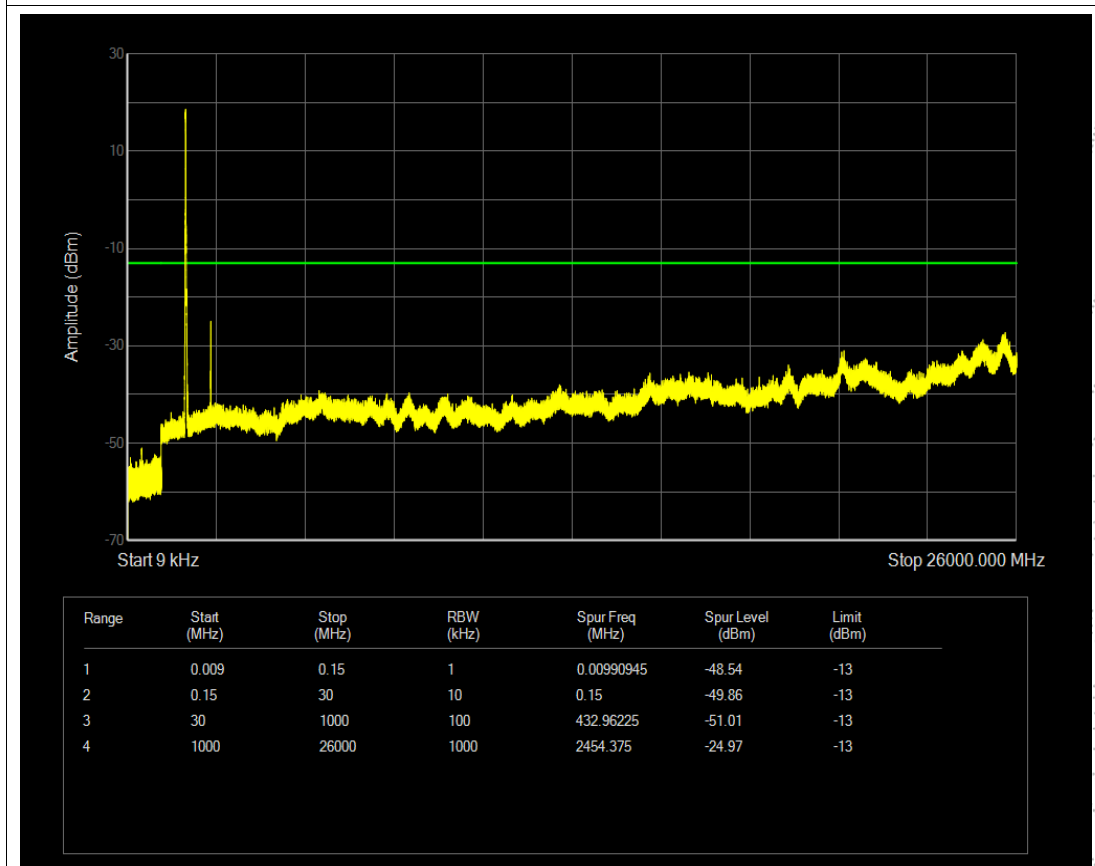


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009186825     | -48.66           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1664175       | -51.15           | -13         |
| 3     | 30          | 1000       | 100       | 432.841         | -51.4            | -13         |
| 4     | 1000        | 26000      | 1000      | 2454.375        | -25.06           | -13         |

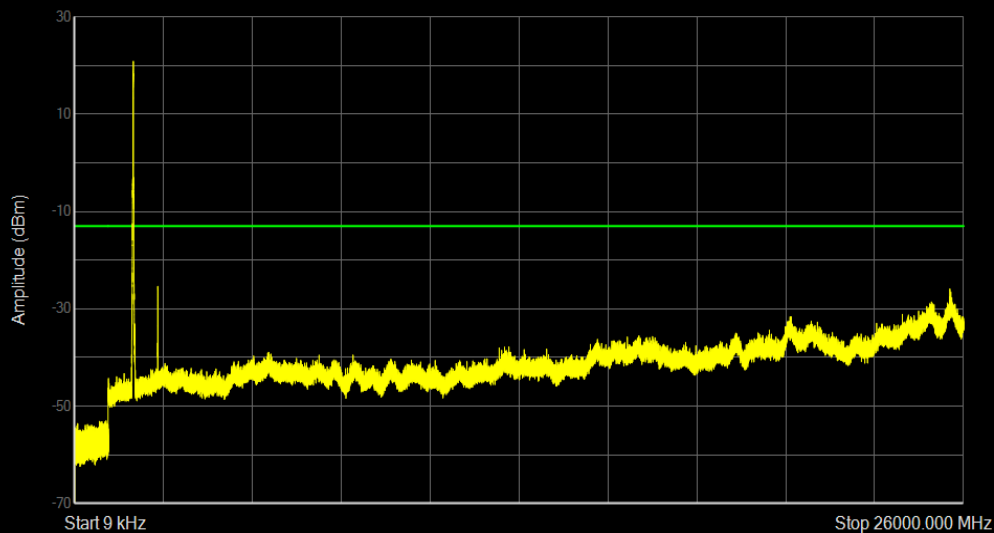
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

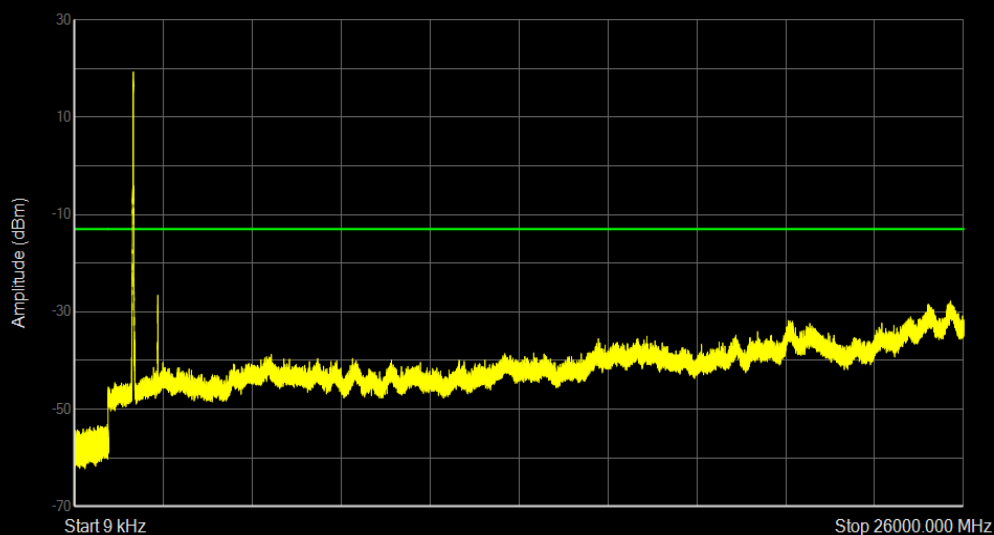


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



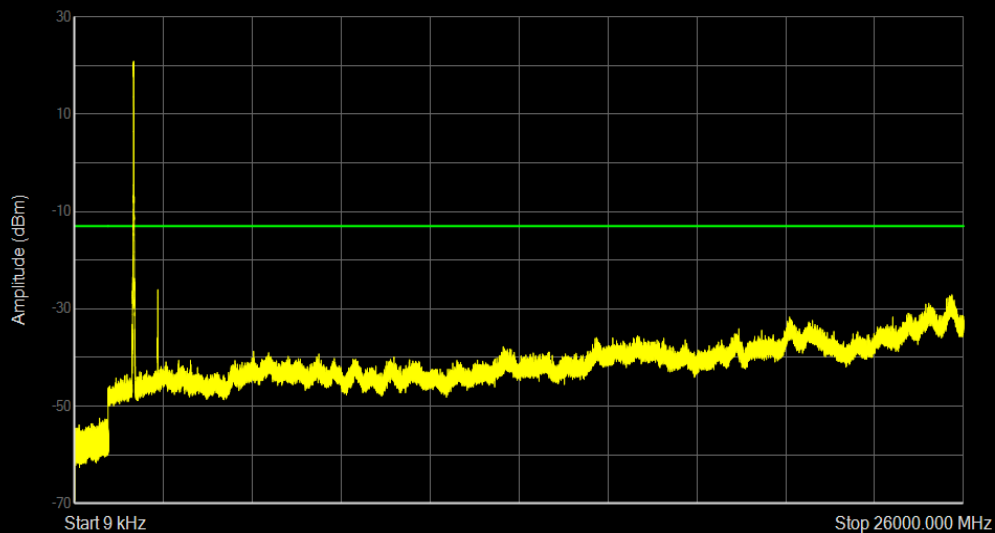
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009003525     | -48.91           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15820875      | -48.15           | -13         |
| 3     | 30          | 1000       | 100       | 941.9455        | -53              | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -25.39           | -13         |

Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



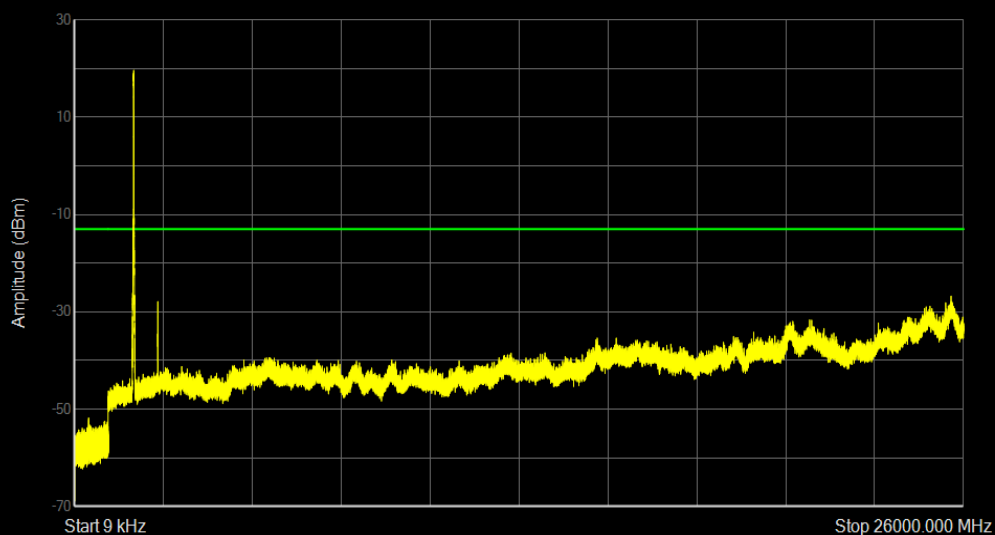
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.01162965      | -49.23           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1514925       | -51.24           | -13         |
| 3     | 30          | 1000       | 100       | 981.473         | -53.13           | -13         |
| 4     | 1000        | 26000      | 1000      | 2454.375        | -26.59           | -13         |

Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



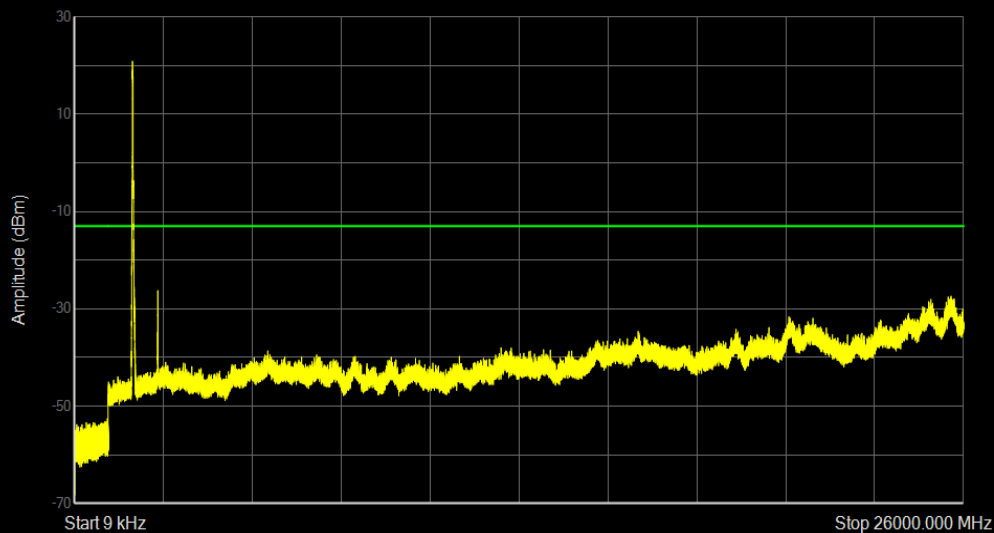
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.009764925     | -50.02           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -50.94           | -13         |
| 3     | 30          | 1000       | 100       | 751.971         | -52.47           | -13         |
| 4     | 1000        | 26000      | 1000      | 2454.375        | -26.06           | -13         |

Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



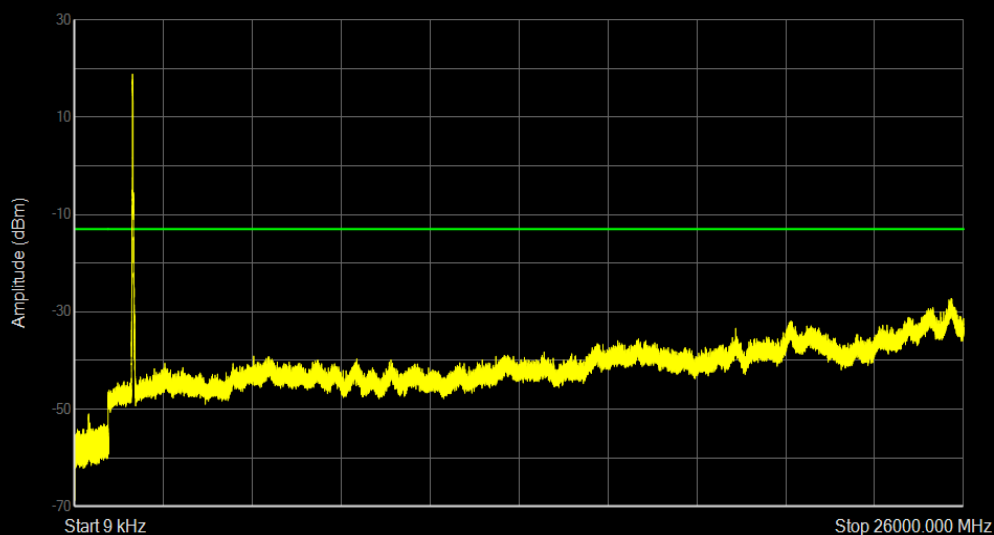
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.00937365      | -49.28           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -50.29           | -13         |
| 3     | 30          | 1000       | 100       | 432.841         | -51.8            | -13         |
| 4     | 1000        | 26000      | 1000      | 25635.625       | -26.78           | -13         |

Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



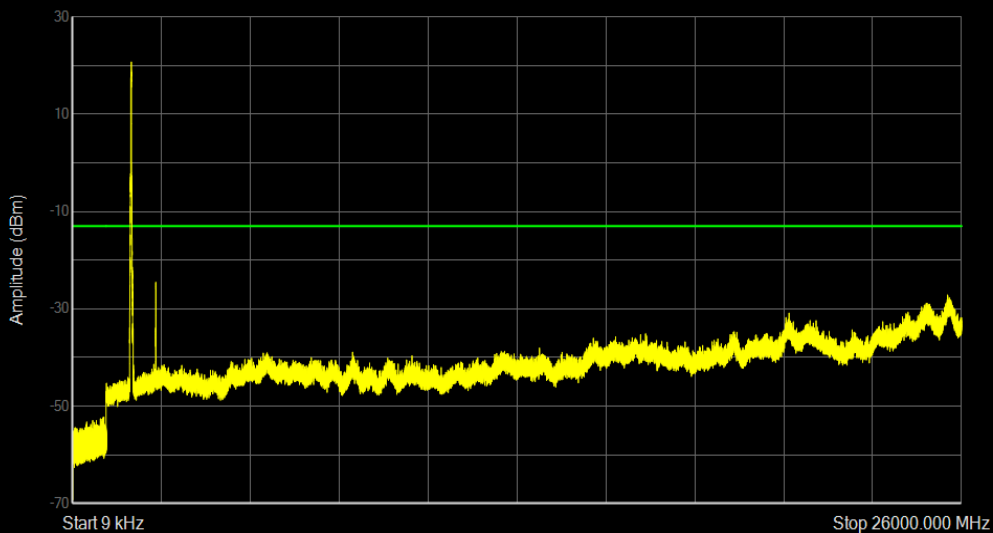
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.012154875     | -49.1            | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -50.52           | -13         |
| 3     | 30          | 1000       | 100       | 981.59425       | -52.57           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -26.26           | -13         |

Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



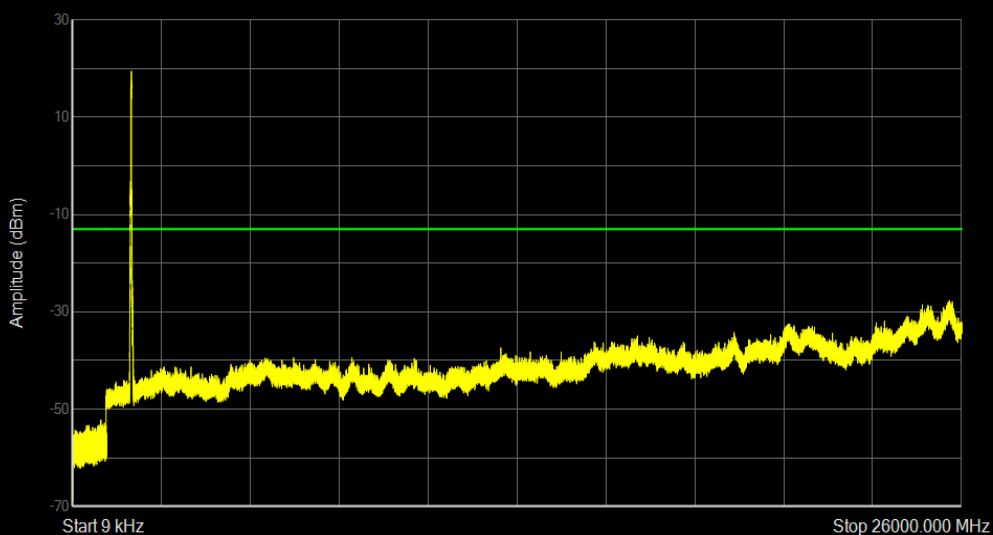
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0144144       | -48.58           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15            | -49.63           | -13         |
| 3     | 30          | 1000       | 100       | 433.132         | -51              | -13         |
| 4     | 1000        | 26000      | 1000      | 25645.625       | -27.27           | -13         |

Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



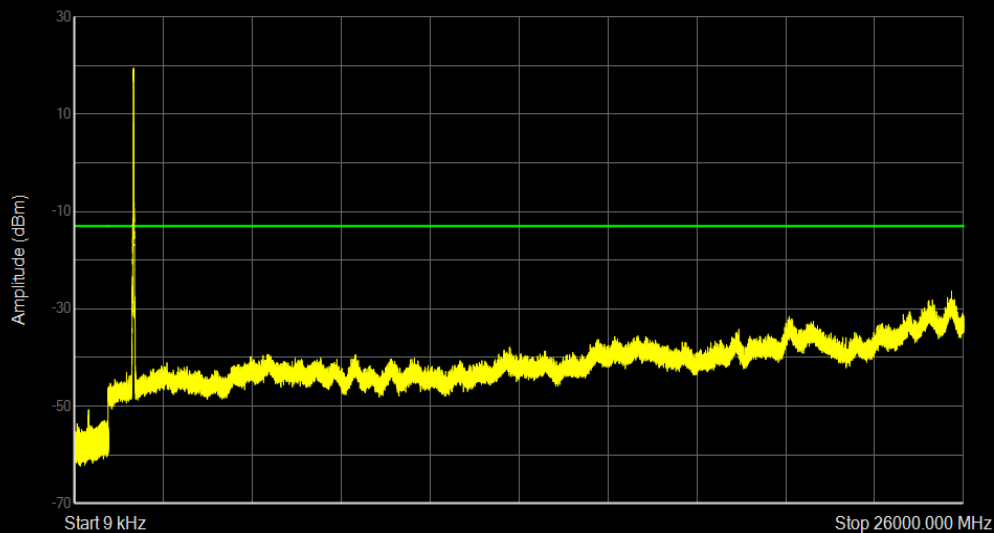
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0103677       | -49.84           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15373125      | -49.68           | -13         |
| 3     | 30          | 1000       | 100       | 933.2155        | -52.23           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -24.55           | -13         |

Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



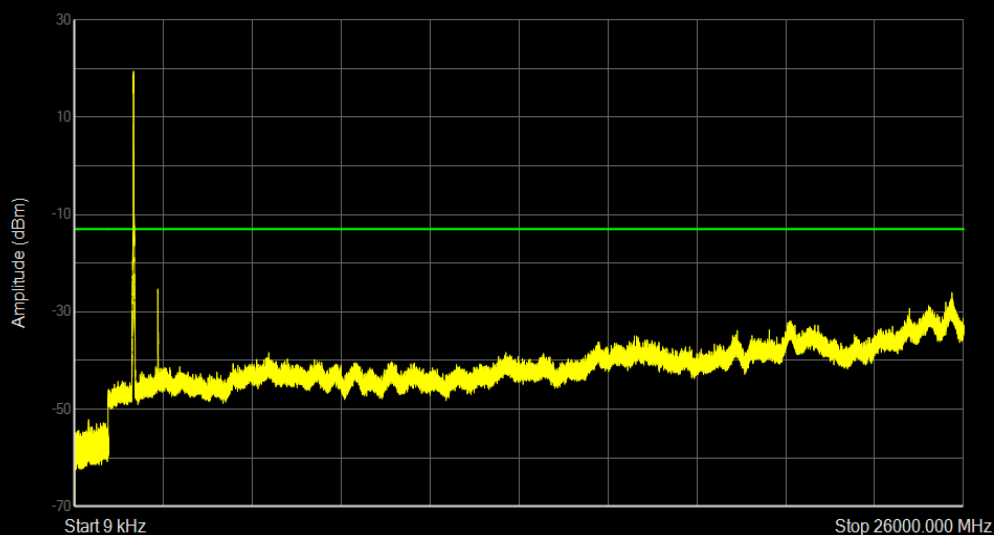
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0090282       | -48.73           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16119375      | -50.39           | -13         |
| 3     | 30          | 1000       | 100       | 845.30925       | -52.2            | -13         |
| 4     | 1000        | 26000      | 1000      | 25640.625       | -27.68           | -13         |

Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.011358225     | -49.4            | -13         |
| 2     | 0.15        | 30         | 10        | 0.152985        | -48.58           | -13         |
| 3     | 30          | 1000       | 100       | 432.71975       | -50.77           | -13         |
| 4     | 1000        | 26000      | 1000      | 25650.625       | -26.33           | -13         |

Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0098742       | -49.31           | -13         |
| 2     | 0.15        | 30         | 10        | 0.1574625       | -50.54           | -13         |
| 3     | 30          | 1000       | 100       | 432.91375       | -52.18           | -13         |
| 4     | 1000        | 26000      | 1000      | 2453.75         | -25.33           | -13         |

Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT