

# Appendix for Band 4

**FCC ID: 2BPV3-SW100**

Report No.: BCTC2505938821-5E

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Applicant: BEDIGITAL S.A.S.

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Product Name: Smart Watch

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Test Model: SW100

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Tested Date: 2025-05-26 to 2025-06-03

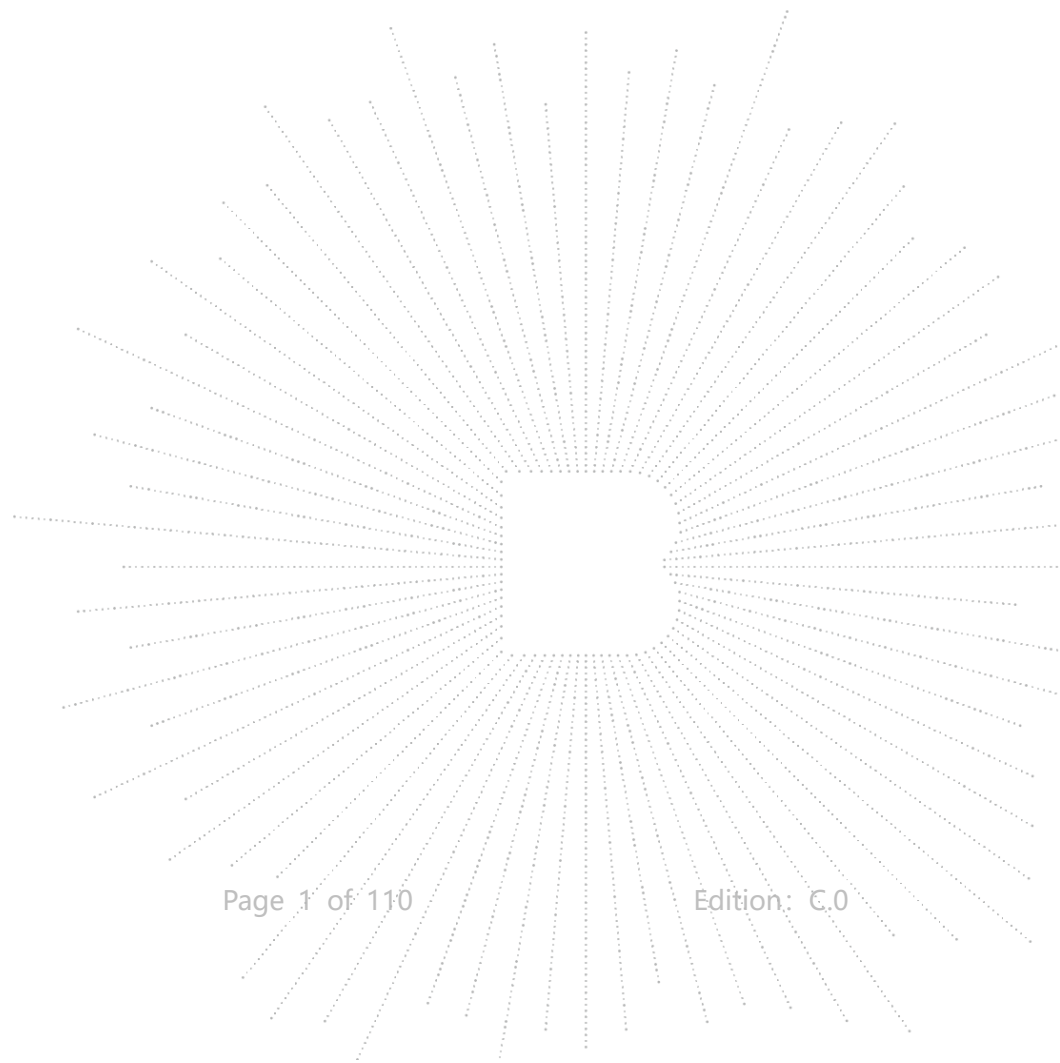
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**Shenzhen BCTC Testing Co., Ltd.**



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## Appendix 1. Conducted output power

| Condition | Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Power<br>(dBm) | Gain<br>(dBm) | EIRP<br>(dBm) | Verdict |
|-----------|-------|--------------------|---------------|------------|----------------|------------|----------------|---------------|---------------|---------|
| NVNT      | Band4 | 1.4                | 19957         | 1          | #0             | QPSK       | 23.42          | -6.84         | 16.58         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 1          | #Mid           | QPSK       | 23.45          | -6.84         | 16.61         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 1          | #Max           | QPSK       | 23.40          | -6.84         | 16.56         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 3          | #0             | QPSK       | 23.18          | -6.84         | 16.34         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 3          | #Mid           | QPSK       | 23.25          | -6.84         | 16.41         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 3          | #Max           | QPSK       | 23.20          | -6.84         | 16.36         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | 22.23          | -6.84         | 15.39         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 1          | #0             | 16QAM      | 23.23          | -6.84         | 16.39         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 1          | #Mid           | 16QAM      | 23.23          | -6.84         | 16.39         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 1          | #Max           | 16QAM      | 23.21          | -6.84         | 16.37         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 3          | #0             | 16QAM      | 22.42          | -6.84         | 15.58         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 3          | #Mid           | 16QAM      | 22.40          | -6.84         | 15.56         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 3          | #Max           | 16QAM      | 22.37          | -6.84         | 15.53         | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 6          | #0             | 16QAM      | 21.29          | -6.84         | 14.45         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 1          | #0             | QPSK       | 23.44          | -6.84         | 16.60         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 1          | #Mid           | QPSK       | 23.46          | -6.84         | 16.62         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 1          | #Max           | QPSK       | 23.45          | -6.84         | 16.61         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 3          | #0             | QPSK       | 23.49          | -6.84         | 16.65         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 3          | #Mid           | QPSK       | 23.48          | -6.84         | 16.64         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 3          | #Max           | QPSK       | 23.47          | -6.84         | 16.63         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 6          | #0             | QPSK       | 22.47          | -6.84         | 15.63         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 1          | #0             | 16QAM      | 22.93          | -6.84         | 16.09         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 1          | #Mid           | 16QAM      | 22.87          | -6.84         | 16.03         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 1          | #Max           | 16QAM      | 22.91          | -6.84         | 16.07         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 3          | #0             | 16QAM      | 22.62          | -6.84         | 15.78         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 3          | #Mid           | 16QAM      | 22.68          | -6.84         | 15.84         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 3          | #Max           | 16QAM      | 22.64          | -6.84         | 15.80         | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 6          | #0             | 16QAM      | 21.45          | -6.84         | 14.61         | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 1          | #0             | QPSK       | 23.23          | -6.84         | 16.39         | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 1          | #Mid           | QPSK       | 23.25          | -6.84         | 16.41         | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 1          | #Max           | QPSK       | 23.28          | -6.84         | 16.44         | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 3          | #0             | QPSK       | 23.08          | -6.84         | 16.24         | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 3          | #Mid           | QPSK       | 23.14          | -6.84         | 16.30         | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 3          | #Max           | QPSK       | 23.20          | -6.84         | 16.36         | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 6          | #0             | QPSK       | 22.29          | -6.84         | 15.45         | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 1          | #0             | 16QAM      | 22.64          | -6.84         | 15.80         | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 1          | #Mid           | 16QAM      | 22.65          | -6.84         | 15.81         | PASS    |

|      |       |     |       |    |      |       |       |       |       |      |
|------|-------|-----|-------|----|------|-------|-------|-------|-------|------|
| NVNT | Band4 | 1.4 | 20393 | 1  | #Max | 16QAM | 22.72 | -6.84 | 15.88 | PASS |
| NVNT | Band4 | 1.4 | 20393 | 3  | #0   | 16QAM | 22.49 | -6.84 | 15.65 | PASS |
| NVNT | Band4 | 1.4 | 20393 | 3  | #Mid | 16QAM | 22.44 | -6.84 | 15.60 | PASS |
| NVNT | Band4 | 1.4 | 20393 | 3  | #Max | 16QAM | 22.49 | -6.84 | 15.65 | PASS |
| NVNT | Band4 | 1.4 | 20393 | 6  | #0   | 16QAM | 21.35 | -6.84 | 14.51 | PASS |
| NVNT | Band4 | 3   | 19965 | 1  | #0   | QPSK  | 23.22 | -6.84 | 16.38 | PASS |
| NVNT | Band4 | 3   | 19965 | 1  | #Mid | QPSK  | 23.19 | -6.84 | 16.35 | PASS |
| NVNT | Band4 | 3   | 19965 | 1  | #Max | QPSK  | 23.20 | -6.84 | 16.36 | PASS |
| NVNT | Band4 | 3   | 19965 | 8  | #0   | QPSK  | 22.33 | -6.84 | 15.49 | PASS |
| NVNT | Band4 | 3   | 19965 | 8  | #Mid | QPSK  | 22.22 | -6.84 | 15.38 | PASS |
| NVNT | Band4 | 3   | 19965 | 8  | #Max | QPSK  | 22.23 | -6.84 | 15.39 | PASS |
| NVNT | Band4 | 3   | 19965 | 15 | #0   | QPSK  | 22.18 | -6.84 | 15.34 | PASS |
| NVNT | Band4 | 3   | 19965 | 1  | #0   | 16QAM | 23.29 | -6.84 | 16.45 | PASS |
| NVNT | Band4 | 3   | 19965 | 1  | #Mid | 16QAM | 23.27 | -6.84 | 16.43 | PASS |
| NVNT | Band4 | 3   | 19965 | 1  | #Max | 16QAM | 23.25 | -6.84 | 16.41 | PASS |
| NVNT | Band4 | 3   | 19965 | 8  | #0   | 16QAM | 21.15 | -6.84 | 14.31 | PASS |
| NVNT | Band4 | 3   | 19965 | 8  | #Mid | 16QAM | 21.10 | -6.84 | 14.26 | PASS |
| NVNT | Band4 | 3   | 19965 | 8  | #Max | 16QAM | 20.96 | -6.84 | 14.12 | PASS |
| NVNT | Band4 | 3   | 19965 | 15 | #0   | 16QAM | 21.34 | -6.84 | 14.50 | PASS |
| NVNT | Band4 | 3   | 20175 | 1  | #0   | QPSK  | 23.46 | -6.84 | 16.62 | PASS |
| NVNT | Band4 | 3   | 20175 | 1  | #Mid | QPSK  | 23.45 | -6.84 | 16.61 | PASS |
| NVNT | Band4 | 3   | 20175 | 1  | #Max | QPSK  | 23.46 | -6.84 | 16.62 | PASS |
| NVNT | Band4 | 3   | 20175 | 8  | #0   | QPSK  | 22.58 | -6.84 | 15.74 | PASS |
| NVNT | Band4 | 3   | 20175 | 8  | #Mid | QPSK  | 22.38 | -6.84 | 15.54 | PASS |
| NVNT | Band4 | 3   | 20175 | 8  | #Max | QPSK  | 22.53 | -6.84 | 15.69 | PASS |
| NVNT | Band4 | 3   | 20175 | 15 | #0   | QPSK  | 22.46 | -6.84 | 15.62 | PASS |
| NVNT | Band4 | 3   | 20175 | 1  | #0   | 16QAM | 22.89 | -6.84 | 16.05 | PASS |
| NVNT | Band4 | 3   | 20175 | 1  | #Mid | 16QAM | 22.88 | -6.84 | 16.04 | PASS |
| NVNT | Band4 | 3   | 20175 | 1  | #Max | 16QAM | 22.88 | -6.84 | 16.04 | PASS |
| NVNT | Band4 | 3   | 20175 | 8  | #0   | 16QAM | 21.71 | -6.84 | 14.87 | PASS |
| NVNT | Band4 | 3   | 20175 | 8  | #Mid | 16QAM | 21.75 | -6.84 | 14.91 | PASS |
| NVNT | Band4 | 3   | 20175 | 8  | #Max | 16QAM | 21.78 | -6.84 | 14.94 | PASS |
| NVNT | Band4 | 3   | 20175 | 15 | #0   | 16QAM | 21.63 | -6.84 | 14.79 | PASS |
| NVNT | Band4 | 3   | 20385 | 1  | #0   | QPSK  | 23.25 | -6.84 | 16.41 | PASS |
| NVNT | Band4 | 3   | 20385 | 1  | #Mid | QPSK  | 23.29 | -6.84 | 16.45 | PASS |
| NVNT | Band4 | 3   | 20385 | 1  | #Max | QPSK  | 23.33 | -6.84 | 16.49 | PASS |
| NVNT | Band4 | 3   | 20385 | 8  | #0   | QPSK  | 22.07 | -6.84 | 15.23 | PASS |
| NVNT | Band4 | 3   | 20385 | 8  | #Mid | QPSK  | 22.13 | -6.84 | 15.29 | PASS |
| NVNT | Band4 | 3   | 20385 | 8  | #Max | QPSK  | 22.25 | -6.84 | 15.41 | PASS |
| NVNT | Band4 | 3   | 20385 | 15 | #0   | QPSK  | 22.12 | -6.84 | 15.28 | PASS |
| NVNT | Band4 | 3   | 20385 | 1  | #0   | 16QAM | 22.64 | -6.84 | 15.80 | PASS |
| NVNT | Band4 | 3   | 20385 | 1  | #Mid | 16QAM | 22.64 | -6.84 | 15.80 | PASS |

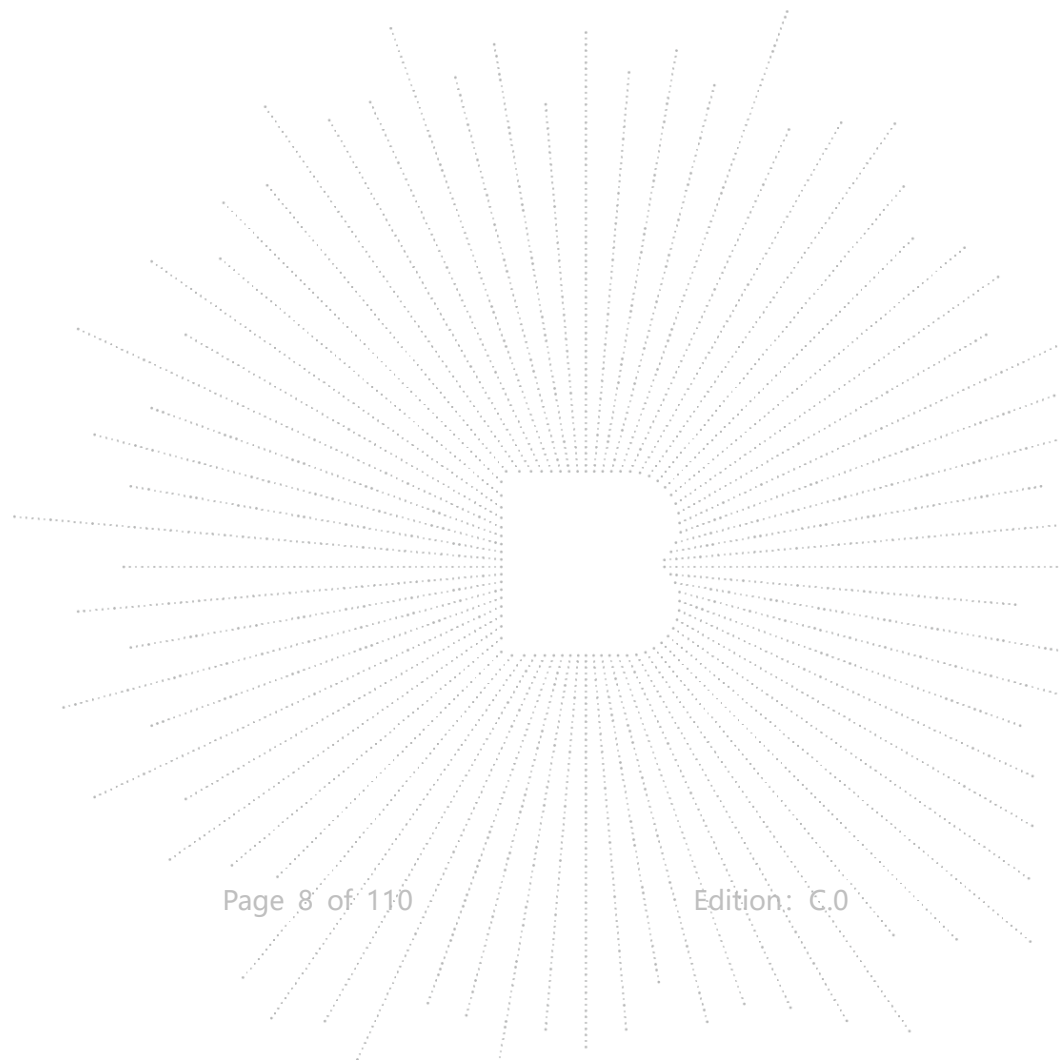
|      |       |   |       |    |      |       |       |       |       |      |
|------|-------|---|-------|----|------|-------|-------|-------|-------|------|
| NVNT | Band4 | 3 | 20385 | 1  | #Max | 16QAM | 22.67 | -6.84 | 15.83 | PASS |
| NVNT | Band4 | 3 | 20385 | 8  | #0   | 16QAM | 21.03 | -6.84 | 14.19 | PASS |
| NVNT | Band4 | 3 | 20385 | 8  | #Mid | 16QAM | 21.10 | -6.84 | 14.26 | PASS |
| NVNT | Band4 | 3 | 20385 | 8  | #Max | 16QAM | 21.19 | -6.84 | 14.35 | PASS |
| NVNT | Band4 | 3 | 20385 | 15 | #0   | 16QAM | 21.02 | -6.84 | 14.18 | PASS |
| NVNT | Band4 | 5 | 19975 | 1  | #0   | QPSK  | 23.17 | -6.84 | 16.33 | PASS |
| NVNT | Band4 | 5 | 19975 | 1  | #Mid | QPSK  | 23.07 | -6.84 | 16.23 | PASS |
| NVNT | Band4 | 5 | 19975 | 1  | #Max | QPSK  | 23.15 | -6.84 | 16.31 | PASS |
| NVNT | Band4 | 5 | 19975 | 12 | #0   | QPSK  | 22.27 | -6.84 | 15.43 | PASS |
| NVNT | Band4 | 5 | 19975 | 12 | #Mid | QPSK  | 22.27 | -6.84 | 15.43 | PASS |
| NVNT | Band4 | 5 | 19975 | 12 | #Max | QPSK  | 22.25 | -6.84 | 15.41 | PASS |
| NVNT | Band4 | 5 | 19975 | 25 | #0   | QPSK  | 22.19 | -6.84 | 15.35 | PASS |
| NVNT | Band4 | 5 | 19975 | 1  | #0   | 16QAM | 22.45 | -6.84 | 15.61 | PASS |
| NVNT | Band4 | 5 | 19975 | 1  | #Mid | 16QAM | 22.44 | -6.84 | 15.60 | PASS |
| NVNT | Band4 | 5 | 19975 | 1  | #Max | 16QAM | 22.43 | -6.84 | 15.59 | PASS |
| NVNT | Band4 | 5 | 19975 | 12 | #0   | 16QAM | 21.19 | -6.84 | 14.35 | PASS |
| NVNT | Band4 | 5 | 19975 | 12 | #Mid | 16QAM | 21.02 | -6.84 | 14.18 | PASS |
| NVNT | Band4 | 5 | 19975 | 12 | #Max | 16QAM | 20.97 | -6.84 | 14.13 | PASS |
| NVNT | Band4 | 5 | 19975 | 25 | #0   | 16QAM | 21.10 | -6.84 | 14.26 | PASS |
| NVNT | Band4 | 5 | 20175 | 1  | #0   | QPSK  | 23.56 | -6.84 | 16.72 | PASS |
| NVNT | Band4 | 5 | 20175 | 1  | #Mid | QPSK  | 23.55 | -6.84 | 16.71 | PASS |
| NVNT | Band4 | 5 | 20175 | 1  | #Max | QPSK  | 23.55 | -6.84 | 16.71 | PASS |
| NVNT | Band4 | 5 | 20175 | 12 | #0   | QPSK  | 22.51 | -6.84 | 15.67 | PASS |
| NVNT | Band4 | 5 | 20175 | 12 | #Mid | QPSK  | 22.40 | -6.84 | 15.56 | PASS |
| NVNT | Band4 | 5 | 20175 | 12 | #Max | QPSK  | 22.42 | -6.84 | 15.58 | PASS |
| NVNT | Band4 | 5 | 20175 | 25 | #0   | QPSK  | 22.50 | -6.84 | 15.66 | PASS |
| NVNT | Band4 | 5 | 20175 | 1  | #0   | 16QAM | 22.13 | -6.84 | 15.29 | PASS |
| NVNT | Band4 | 5 | 20175 | 1  | #Mid | 16QAM | 22.11 | -6.84 | 15.27 | PASS |
| NVNT | Band4 | 5 | 20175 | 1  | #Max | 16QAM | 22.19 | -6.84 | 15.35 | PASS |
| NVNT | Band4 | 5 | 20175 | 12 | #0   | 16QAM | 21.29 | -6.84 | 14.45 | PASS |
| NVNT | Band4 | 5 | 20175 | 12 | #Mid | 16QAM | 21.32 | -6.84 | 14.48 | PASS |
| NVNT | Band4 | 5 | 20175 | 12 | #Max | 16QAM | 21.32 | -6.84 | 14.48 | PASS |
| NVNT | Band4 | 5 | 20175 | 25 | #0   | 16QAM | 21.53 | -6.84 | 14.69 | PASS |
| NVNT | Band4 | 5 | 20375 | 1  | #0   | QPSK  | 23.01 | -6.84 | 16.17 | PASS |
| NVNT | Band4 | 5 | 20375 | 1  | #Mid | QPSK  | 22.96 | -6.84 | 16.12 | PASS |
| NVNT | Band4 | 5 | 20375 | 1  | #Max | QPSK  | 22.96 | -6.84 | 16.12 | PASS |
| NVNT | Band4 | 5 | 20375 | 12 | #0   | QPSK  | 22.25 | -6.84 | 15.41 | PASS |
| NVNT | Band4 | 5 | 20375 | 12 | #Mid | QPSK  | 22.13 | -6.84 | 15.29 | PASS |
| NVNT | Band4 | 5 | 20375 | 12 | #Max | QPSK  | 22.15 | -6.84 | 15.31 | PASS |
| NVNT | Band4 | 5 | 20375 | 25 | #0   | QPSK  | 22.16 | -6.84 | 15.32 | PASS |
| NVNT | Band4 | 5 | 20375 | 1  | #0   | 16QAM | 22.53 | -6.84 | 15.69 | PASS |
| NVNT | Band4 | 5 | 20375 | 1  | #Mid | 16QAM | 22.48 | -6.84 | 15.64 | PASS |

|      |       |    |       |    |      |       |       |       |       |      |
|------|-------|----|-------|----|------|-------|-------|-------|-------|------|
| NVNT | Band4 | 5  | 20375 | 1  | #Max | 16QAM | 22.54 | -6.84 | 15.70 | PASS |
| NVNT | Band4 | 5  | 20375 | 12 | #0   | 16QAM | 21.22 | -6.84 | 14.38 | PASS |
| NVNT | Band4 | 5  | 20375 | 12 | #Mid | 16QAM | 21.01 | -6.84 | 14.17 | PASS |
| NVNT | Band4 | 5  | 20375 | 12 | #Max | 16QAM | 20.99 | -6.84 | 14.15 | PASS |
| NVNT | Band4 | 5  | 20375 | 25 | #0   | 16QAM | 21.00 | -6.84 | 14.16 | PASS |
| NVNT | Band4 | 10 | 20000 | 1  | #0   | QPSK  | 23.26 | -6.84 | 16.42 | PASS |
| NVNT | Band4 | 10 | 20000 | 1  | #Mid | QPSK  | 23.23 | -6.84 | 16.39 | PASS |
| NVNT | Band4 | 10 | 20000 | 1  | #Max | QPSK  | 23.24 | -6.84 | 16.40 | PASS |
| NVNT | Band4 | 10 | 20000 | 25 | #0   | QPSK  | 22.20 | -6.84 | 15.36 | PASS |
| NVNT | Band4 | 10 | 20000 | 25 | #Mid | QPSK  | 22.20 | -6.84 | 15.36 | PASS |
| NVNT | Band4 | 10 | 20000 | 25 | #Max | QPSK  | 22.31 | -6.84 | 15.47 | PASS |
| NVNT | Band4 | 10 | 20000 | 50 | #0   | QPSK  | 22.34 | -6.84 | 15.50 | PASS |
| NVNT | Band4 | 10 | 20000 | 1  | #0   | 16QAM | 23.40 | -6.84 | 16.56 | PASS |
| NVNT | Band4 | 10 | 20000 | 1  | #Mid | 16QAM | 23.42 | -6.84 | 16.58 | PASS |
| NVNT | Band4 | 10 | 20000 | 1  | #Max | 16QAM | 23.39 | -6.84 | 16.55 | PASS |
| NVNT | Band4 | 10 | 20000 | 25 | #0   | 16QAM | 21.05 | -6.84 | 14.21 | PASS |
| NVNT | Band4 | 10 | 20000 | 25 | #Mid | 16QAM | 21.16 | -6.84 | 14.32 | PASS |
| NVNT | Band4 | 10 | 20000 | 25 | #Max | 16QAM | 21.06 | -6.84 | 14.22 | PASS |
| NVNT | Band4 | 10 | 20000 | 50 | #0   | 16QAM | 21.16 | -6.84 | 14.32 | PASS |
| NVNT | Band4 | 10 | 20175 | 1  | #0   | QPSK  | 23.52 | -6.84 | 16.68 | PASS |
| NVNT | Band4 | 10 | 20175 | 1  | #Mid | QPSK  | 23.55 | -6.84 | 16.71 | PASS |
| NVNT | Band4 | 10 | 20175 | 1  | #Max | QPSK  | 23.54 | -6.84 | 16.70 | PASS |
| NVNT | Band4 | 10 | 20175 | 25 | #0   | QPSK  | 22.48 | -6.84 | 15.64 | PASS |
| NVNT | Band4 | 10 | 20175 | 25 | #Mid | QPSK  | 22.55 | -6.84 | 15.71 | PASS |
| NVNT | Band4 | 10 | 20175 | 25 | #Max | QPSK  | 22.51 | -6.84 | 15.67 | PASS |
| NVNT | Band4 | 10 | 20175 | 50 | #0   | QPSK  | 22.44 | -6.84 | 15.60 | PASS |
| NVNT | Band4 | 10 | 20175 | 1  | #0   | 16QAM | 22.57 | -6.84 | 15.73 | PASS |
| NVNT | Band4 | 10 | 20175 | 1  | #Mid | 16QAM | 22.54 | -6.84 | 15.70 | PASS |
| NVNT | Band4 | 10 | 20175 | 1  | #Max | 16QAM | 22.53 | -6.84 | 15.69 | PASS |
| NVNT | Band4 | 10 | 20175 | 25 | #0   | 16QAM | 21.50 | -6.84 | 14.66 | PASS |
| NVNT | Band4 | 10 | 20175 | 25 | #Mid | 16QAM | 21.55 | -6.84 | 14.71 | PASS |
| NVNT | Band4 | 10 | 20175 | 25 | #Max | 16QAM | 21.52 | -6.84 | 14.68 | PASS |
| NVNT | Band4 | 10 | 20175 | 50 | #0   | 16QAM | 21.57 | -6.84 | 14.73 | PASS |
| NVNT | Band4 | 10 | 20350 | 1  | #0   | QPSK  | 23.28 | -6.84 | 16.44 | PASS |
| NVNT | Band4 | 10 | 20350 | 1  | #Mid | QPSK  | 23.29 | -6.84 | 16.45 | PASS |
| NVNT | Band4 | 10 | 20350 | 1  | #Max | QPSK  | 23.24 | -6.84 | 16.40 | PASS |
| NVNT | Band4 | 10 | 20350 | 25 | #0   | QPSK  | 22.18 | -6.84 | 15.34 | PASS |
| NVNT | Band4 | 10 | 20350 | 25 | #Mid | QPSK  | 22.19 | -6.84 | 15.35 | PASS |
| NVNT | Band4 | 10 | 20350 | 25 | #Max | QPSK  | 22.12 | -6.84 | 15.28 | PASS |
| NVNT | Band4 | 10 | 20350 | 50 | #0   | QPSK  | 22.25 | -6.84 | 15.41 | PASS |
| NVNT | Band4 | 10 | 20350 | 1  | #0   | 16QAM | 22.12 | -6.84 | 15.28 | PASS |
| NVNT | Band4 | 10 | 20350 | 1  | #Mid | 16QAM | 22.05 | -6.84 | 15.21 | PASS |

|      |       |    |       |    |      |       |       |       |       |      |
|------|-------|----|-------|----|------|-------|-------|-------|-------|------|
| NVNT | Band4 | 10 | 20350 | 1  | #Max | 16QAM | 21.95 | -6.84 | 15.11 | PASS |
| NVNT | Band4 | 10 | 20350 | 25 | #0   | 16QAM | 21.14 | -6.84 | 14.30 | PASS |
| NVNT | Band4 | 10 | 20350 | 25 | #Mid | 16QAM | 21.15 | -6.84 | 14.31 | PASS |
| NVNT | Band4 | 10 | 20350 | 25 | #Max | 16QAM | 21.05 | -6.84 | 14.21 | PASS |
| NVNT | Band4 | 10 | 20350 | 50 | #0   | 16QAM | 21.10 | -6.84 | 14.26 | PASS |
| NVNT | Band4 | 15 | 20025 | 1  | #0   | QPSK  | 23.18 | -6.84 | 16.34 | PASS |
| NVNT | Band4 | 15 | 20025 | 1  | #Mid | QPSK  | 23.25 | -6.84 | 16.41 | PASS |
| NVNT | Band4 | 15 | 20025 | 1  | #Max | QPSK  | 23.34 | -6.84 | 16.50 | PASS |
| NVNT | Band4 | 15 | 20025 | 36 | #0   | QPSK  | 22.22 | -6.84 | 15.38 | PASS |
| NVNT | Band4 | 15 | 20025 | 36 | #Mid | QPSK  | 22.31 | -6.84 | 15.47 | PASS |
| NVNT | Band4 | 15 | 20025 | 36 | #Max | QPSK  | 22.33 | -6.84 | 15.49 | PASS |
| NVNT | Band4 | 15 | 20025 | 75 | #0   | QPSK  | 22.34 | -6.84 | 15.50 | PASS |
| NVNT | Band4 | 15 | 20025 | 1  | #0   | 16QAM | 23.37 | -6.84 | 16.53 | PASS |
| NVNT | Band4 | 15 | 20025 | 1  | #Mid | 16QAM | 23.38 | -6.84 | 16.54 | PASS |
| NVNT | Band4 | 15 | 20025 | 1  | #Max | 16QAM | 23.49 | -6.84 | 16.65 | PASS |
| NVNT | Band4 | 15 | 20025 | 36 | #0   | 16QAM | 21.22 | -6.84 | 14.38 | PASS |
| NVNT | Band4 | 15 | 20025 | 36 | #Mid | 16QAM | 21.10 | -6.84 | 14.26 | PASS |
| NVNT | Band4 | 15 | 20025 | 36 | #Max | 16QAM | 21.12 | -6.84 | 14.28 | PASS |
| NVNT | Band4 | 15 | 20025 | 75 | #0   | 16QAM | 21.20 | -6.84 | 14.36 | PASS |
| NVNT | Band4 | 15 | 20175 | 1  | #0   | QPSK  | 23.48 | -6.84 | 16.64 | PASS |
| NVNT | Band4 | 15 | 20175 | 1  | #Mid | QPSK  | 23.55 | -6.84 | 16.71 | PASS |
| NVNT | Band4 | 15 | 20175 | 1  | #Max | QPSK  | 23.50 | -6.84 | 16.66 | PASS |
| NVNT | Band4 | 15 | 20175 | 36 | #0   | QPSK  | 22.57 | -6.84 | 15.73 | PASS |
| NVNT | Band4 | 15 | 20175 | 36 | #Mid | QPSK  | 22.46 | -6.84 | 15.62 | PASS |
| NVNT | Band4 | 15 | 20175 | 36 | #Max | QPSK  | 22.41 | -6.84 | 15.57 | PASS |
| NVNT | Band4 | 15 | 20175 | 75 | #0   | QPSK  | 22.46 | -6.84 | 15.62 | PASS |
| NVNT | Band4 | 15 | 20175 | 1  | #0   | 16QAM | 22.53 | -6.84 | 15.69 | PASS |
| NVNT | Band4 | 15 | 20175 | 1  | #Mid | 16QAM | 22.56 | -6.84 | 15.72 | PASS |
| NVNT | Band4 | 15 | 20175 | 1  | #Max | 16QAM | 22.47 | -6.84 | 15.63 | PASS |
| NVNT | Band4 | 15 | 20175 | 36 | #0   | 16QAM | 21.49 | -6.84 | 14.65 | PASS |
| NVNT | Band4 | 15 | 20175 | 36 | #Mid | 16QAM | 21.66 | -6.84 | 14.82 | PASS |
| NVNT | Band4 | 15 | 20175 | 36 | #Max | 16QAM | 21.62 | -6.84 | 14.78 | PASS |
| NVNT | Band4 | 15 | 20175 | 75 | #0   | 16QAM | 21.48 | -6.84 | 14.64 | PASS |
| NVNT | Band4 | 15 | 20325 | 1  | #0   | QPSK  | 23.58 | -6.84 | 16.74 | PASS |
| NVNT | Band4 | 15 | 20325 | 1  | #Mid | QPSK  | 23.45 | -6.84 | 16.61 | PASS |
| NVNT | Band4 | 15 | 20325 | 1  | #Max | QPSK  | 23.32 | -6.84 | 16.48 | PASS |
| NVNT | Band4 | 15 | 20325 | 36 | #0   | QPSK  | 22.34 | -6.84 | 15.50 | PASS |
| NVNT | Band4 | 15 | 20325 | 36 | #Mid | QPSK  | 22.25 | -6.84 | 15.41 | PASS |
| NVNT | Band4 | 15 | 20325 | 36 | #Max | QPSK  | 22.26 | -6.84 | 15.42 | PASS |
| NVNT | Band4 | 15 | 20325 | 75 | #0   | QPSK  | 22.27 | -6.84 | 15.43 | PASS |
| NVNT | Band4 | 15 | 20325 | 1  | #0   | 16QAM | 22.42 | -6.84 | 15.58 | PASS |
| NVNT | Band4 | 15 | 20325 | 1  | #Mid | 16QAM | 22.30 | -6.84 | 15.46 | PASS |

|      |       |    |       |     |      |       |       |       |       |      |
|------|-------|----|-------|-----|------|-------|-------|-------|-------|------|
| NVNT | Band4 | 15 | 20325 | 1   | #Max | 16QAM | 22.19 | -6.84 | 15.35 | PASS |
| NVNT | Band4 | 15 | 20325 | 36  | #0   | 16QAM | 21.26 | -6.84 | 14.42 | PASS |
| NVNT | Band4 | 15 | 20325 | 36  | #Mid | 16QAM | 21.19 | -6.84 | 14.35 | PASS |
| NVNT | Band4 | 15 | 20325 | 36  | #Max | 16QAM | 21.33 | -6.84 | 14.49 | PASS |
| NVNT | Band4 | 15 | 20325 | 75  | #0   | 16QAM | 21.17 | -6.84 | 14.33 | PASS |
| NVNT | Band4 | 20 | 20050 | 1   | #0   | QPSK  | 23.18 | -6.84 | 16.34 | PASS |
| NVNT | Band4 | 20 | 20050 | 1   | #Mid | QPSK  | 23.32 | -6.84 | 16.48 | PASS |
| NVNT | Band4 | 20 | 20050 | 1   | #Max | QPSK  | 23.54 | -6.84 | 16.70 | PASS |
| NVNT | Band4 | 20 | 20050 | 50  | #0   | QPSK  | 22.23 | -6.84 | 15.39 | PASS |
| NVNT | Band4 | 20 | 20050 | 50  | #Mid | QPSK  | 22.33 | -6.84 | 15.49 | PASS |
| NVNT | Band4 | 20 | 20050 | 50  | #Max | QPSK  | 22.40 | -6.84 | 15.56 | PASS |
| NVNT | Band4 | 20 | 20050 | 100 | #0   | QPSK  | 22.39 | -6.84 | 15.55 | PASS |
| NVNT | Band4 | 20 | 20050 | 1   | #0   | 16QAM | 21.84 | -6.84 | 15.00 | PASS |
| NVNT | Band4 | 20 | 20050 | 1   | #Mid | 16QAM | 21.95 | -6.84 | 15.11 | PASS |
| NVNT | Band4 | 20 | 20050 | 1   | #Max | 16QAM | 22.18 | -6.84 | 15.34 | PASS |
| NVNT | Band4 | 20 | 20050 | 50  | #0   | 16QAM | 21.31 | -6.84 | 14.47 | PASS |
| NVNT | Band4 | 20 | 20050 | 50  | #Mid | 16QAM | 21.25 | -6.84 | 14.41 | PASS |
| NVNT | Band4 | 20 | 20050 | 50  | #Max | 16QAM | 21.48 | -6.84 | 14.64 | PASS |
| NVNT | Band4 | 20 | 20050 | 100 | #0   | 16QAM | 21.15 | -6.84 | 14.31 | PASS |
| NVNT | Band4 | 20 | 20175 | 1   | #0   | QPSK  | 23.52 | -6.84 | 16.68 | PASS |
| NVNT | Band4 | 20 | 20175 | 1   | #Mid | QPSK  | 23.68 | -6.84 | 16.84 | PASS |
| NVNT | Band4 | 20 | 20175 | 1   | #Max | QPSK  | 23.61 | -6.84 | 16.77 | PASS |
| NVNT | Band4 | 20 | 20175 | 50  | #0   | QPSK  | 22.49 | -6.84 | 15.65 | PASS |
| NVNT | Band4 | 20 | 20175 | 50  | #Mid | QPSK  | 22.52 | -6.84 | 15.68 | PASS |
| NVNT | Band4 | 20 | 20175 | 50  | #Max | QPSK  | 22.39 | -6.84 | 15.55 | PASS |
| NVNT | Band4 | 20 | 20175 | 100 | #0   | QPSK  | 22.48 | -6.84 | 15.64 | PASS |
| NVNT | Band4 | 20 | 20175 | 1   | #0   | 16QAM | 22.70 | -6.84 | 15.86 | PASS |
| NVNT | Band4 | 20 | 20175 | 1   | #Mid | 16QAM | 22.80 | -6.84 | 15.96 | PASS |
| NVNT | Band4 | 20 | 20175 | 1   | #Max | 16QAM | 22.61 | -6.84 | 15.77 | PASS |
| NVNT | Band4 | 20 | 20175 | 50  | #0   | 16QAM | 21.49 | -6.84 | 14.65 | PASS |
| NVNT | Band4 | 20 | 20175 | 50  | #Mid | 16QAM | 21.51 | -6.84 | 14.67 | PASS |
| NVNT | Band4 | 20 | 20175 | 50  | #Max | 16QAM | 21.43 | -6.84 | 14.59 | PASS |
| NVNT | Band4 | 20 | 20175 | 100 | #0   | 16QAM | 21.46 | -6.84 | 14.62 | PASS |
| NVNT | Band4 | 20 | 20300 | 1   | #0   | QPSK  | 23.67 | -6.84 | 16.83 | PASS |
| NVNT | Band4 | 20 | 20300 | 1   | #Mid | QPSK  | 23.48 | -6.84 | 16.64 | PASS |
| NVNT | Band4 | 20 | 20300 | 1   | #Max | QPSK  | 23.31 | -6.84 | 16.47 | PASS |
| NVNT | Band4 | 20 | 20300 | 50  | #0   | QPSK  | 22.38 | -6.84 | 15.54 | PASS |
| NVNT | Band4 | 20 | 20300 | 50  | #Mid | QPSK  | 22.37 | -6.84 | 15.53 | PASS |
| NVNT | Band4 | 20 | 20300 | 50  | #Max | QPSK  | 22.11 | -6.84 | 15.27 | PASS |
| NVNT | Band4 | 20 | 20300 | 100 | #0   | QPSK  | 22.28 | -6.84 | 15.44 | PASS |
| NVNT | Band4 | 20 | 20300 | 1   | #0   | 16QAM | 22.56 | -6.84 | 15.72 | PASS |
| NVNT | Band4 | 20 | 20300 | 1   | #Mid | 16QAM | 22.44 | -6.84 | 15.60 | PASS |

|      |       |    |       |     |      |       |       |       |       |      |
|------|-------|----|-------|-----|------|-------|-------|-------|-------|------|
| NVNT | Band4 | 20 | 20300 | 1   | #Max | 16QAM | 22.23 | -6.84 | 15.39 | PASS |
| NVNT | Band4 | 20 | 20300 | 50  | #0   | 16QAM | 21.30 | -6.84 | 14.46 | PASS |
| NVNT | Band4 | 20 | 20300 | 50  | #Mid | 16QAM | 21.13 | -6.84 | 14.29 | PASS |
| NVNT | Band4 | 20 | 20300 | 50  | #Max | 16QAM | 21.15 | -6.84 | 14.31 | PASS |
| NVNT | Band4 | 20 | 20300 | 100 | #0   | 16QAM | 21.19 | -6.84 | 14.35 | PASS |



## Appendix 2.Frequency stability

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage<br>(Vdc) | Temperatue<br>(C) | Result<br>(Hz) | Result<br>(ppm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|------------------|-------------------|----------------|-----------------|---------|
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | LV               | NT                | -31.84         | -0.019          | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | NV               | NT                | -39.02         | -0.023          | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | HV               | NT                | -35.93         | -0.021          | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | 16QAM      | LV               | NT                | -8.43          | -0.005          | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | 16QAM      | NV               | NT                | -12.96         | -0.008          | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | 16QAM      | HV               | NT                | -12.95         | -0.008          | PASS    |
| Band4 | 1.4                | 20175         | 6          | #0             | QPSK       | LV               | NT                | 43.44          | 0.025           | PASS    |
| Band4 | 1.4                | 20175         | 6          | #0             | QPSK       | NV               | NT                | -0.54          | 0.000           | PASS    |
| Band4 | 1.4                | 20175         | 6          | #0             | QPSK       | HV               | NT                | 2.89           | 0.002           | PASS    |
| Band4 | 1.4                | 20175         | 6          | #0             | 16QAM      | LV               | NT                | 12.26          | 0.007           | PASS    |
| Band4 | 1.4                | 20175         | 6          | #0             | 16QAM      | NV               | NT                | 17.21          | 0.010           | PASS    |
| Band4 | 1.4                | 20175         | 6          | #0             | 16QAM      | HV               | NT                | 23.62          | 0.014           | PASS    |
| Band4 | 1.4                | 20393         | 6          | #0             | QPSK       | LV               | NT                | 4.84           | 0.003           | PASS    |
| Band4 | 1.4                | 20393         | 6          | #0             | QPSK       | NV               | NT                | 2.59           | 0.001           | PASS    |
| Band4 | 1.4                | 20393         | 6          | #0             | QPSK       | HV               | NT                | -9.30          | -0.005          | PASS    |
| Band4 | 1.4                | 20393         | 6          | #0             | 16QAM      | LV               | NT                | -7.22          | -0.004          | PASS    |
| Band4 | 1.4                | 20393         | 6          | #0             | 16QAM      | NV               | NT                | -3.29          | -0.002          | PASS    |
| Band4 | 1.4                | 20393         | 6          | #0             | 16QAM      | HV               | NT                | 7.08           | 0.004           | PASS    |
| Band4 | 3                  | 19965         | 15         | #0             | QPSK       | LV               | NT                | -36.92         | -0.022          | PASS    |
| Band4 | 3                  | 19965         | 15         | #0             | QPSK       | NV               | NT                | -32.59         | -0.019          | PASS    |
| Band4 | 3                  | 19965         | 15         | #0             | QPSK       | HV               | NT                | -24.96         | -0.015          | PASS    |
| Band4 | 3                  | 19965         | 15         | #0             | 16QAM      | LV               | NT                | -38.25         | -0.022          | PASS    |
| Band4 | 3                  | 19965         | 15         | #0             | 16QAM      | NV               | NT                | -36.16         | -0.021          | PASS    |
| Band4 | 3                  | 19965         | 15         | #0             | 16QAM      | HV               | NT                | -30.38         | -0.018          | PASS    |
| Band4 | 3                  | 20175         | 15         | #0             | QPSK       | LV               | NT                | 0.21           | 0.000           | PASS    |
| Band4 | 3                  | 20175         | 15         | #0             | QPSK       | NV               | NT                | 2.13           | 0.001           | PASS    |
| Band4 | 3                  | 20175         | 15         | #0             | QPSK       | HV               | NT                | -0.40          | 0.000           | PASS    |
| Band4 | 3                  | 20175         | 15         | #0             | 16QAM      | LV               | NT                | -1.44          | -0.001          | PASS    |
| Band4 | 3                  | 20175         | 15         | #0             | 16QAM      | NV               | NT                | 2.45           | 0.001           | PASS    |
| Band4 | 3                  | 20175         | 15         | #0             | 16QAM      | HV               | NT                | 11.53          | 0.007           | PASS    |
| Band4 | 3                  | 20385         | 15         | #0             | QPSK       | LV               | NT                | 20.81          | 0.012           | PASS    |
| Band4 | 3                  | 20385         | 15         | #0             | QPSK       | NV               | NT                | 8.07           | 0.005           | PASS    |
| Band4 | 3                  | 20385         | 15         | #0             | QPSK       | HV               | NT                | -0.62          | 0.000           | PASS    |
| Band4 | 3                  | 20385         | 15         | #0             | 16QAM      | LV               | NT                | 3.26           | 0.002           | PASS    |
| Band4 | 3                  | 20385         | 15         | #0             | 16QAM      | NV               | NT                | 2.47           | 0.001           | PASS    |
| Band4 | 3                  | 20385         | 15         | #0             | 16QAM      | HV               | NT                | 10.79          | 0.006           | PASS    |
| Band4 | 5                  | 19975         | 25         | #0             | QPSK       | LV               | NT                | -33.62         | -0.020          | PASS    |
| Band4 | 5                  | 19975         | 25         | #0             | QPSK       | NV               | NT                | -7.28          | -0.004          | PASS    |

|       |    |       |    |    |       |    |    |        |        |      |
|-------|----|-------|----|----|-------|----|----|--------|--------|------|
| Band4 | 5  | 19975 | 25 | #0 | QPSK  | HV | NT | -23.52 | -0.014 | PASS |
| Band4 | 5  | 19975 | 25 | #0 | 16QAM | LV | NT | -6.02  | -0.004 | PASS |
| Band4 | 5  | 19975 | 25 | #0 | 16QAM | NV | NT | 0.14   | 0.000  | PASS |
| Band4 | 5  | 19975 | 25 | #0 | 16QAM | HV | NT | 8.88   | 0.005  | PASS |
| Band4 | 5  | 20175 | 25 | #0 | QPSK  | LV | NT | 5.72   | 0.003  | PASS |
| Band4 | 5  | 20175 | 25 | #0 | QPSK  | NV | NT | 4.28   | 0.002  | PASS |
| Band4 | 5  | 20175 | 25 | #0 | QPSK  | HV | NT | 7.04   | 0.004  | PASS |
| Band4 | 5  | 20175 | 25 | #0 | 16QAM | LV | NT | 7.62   | 0.004  | PASS |
| Band4 | 5  | 20175 | 25 | #0 | 16QAM | NV | NT | 11.94  | 0.007  | PASS |
| Band4 | 5  | 20175 | 25 | #0 | 16QAM | HV | NT | 19.67  | 0.011  | PASS |
| Band4 | 5  | 20375 | 25 | #0 | QPSK  | LV | NT | 5.25   | 0.003  | PASS |
| Band4 | 5  | 20375 | 25 | #0 | QPSK  | NV | NT | -2.32  | -0.001 | PASS |
| Band4 | 5  | 20375 | 25 | #0 | QPSK  | HV | NT | -7.07  | -0.004 | PASS |
| Band4 | 5  | 20375 | 25 | #0 | 16QAM | LV | NT | -5.34  | -0.003 | PASS |
| Band4 | 5  | 20375 | 25 | #0 | 16QAM | NV | NT | 4.81   | 0.003  | PASS |
| Band4 | 5  | 20375 | 25 | #0 | 16QAM | HV | NT | 16.88  | 0.010  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | LV | NT | 0.70   | 0.000  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | NV | NT | -4.39  | -0.003 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | HV | NT | -29.64 | -0.017 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | LV | NT | -30.71 | -0.018 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | NV | NT | -21.34 | -0.012 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | HV | NT | -13.32 | -0.008 | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | LV | NT | 6.09   | 0.004  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | NV | NT | 2.60   | 0.002  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | HV | NT | 2.68   | 0.002  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | LV | NT | -1.92  | -0.001 | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | NV | NT | 7.93   | 0.005  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | HV | NT | 10.17  | 0.006  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | LV | NT | 16.97  | 0.010  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | NV | NT | 5.69   | 0.003  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | HV | NT | -0.31  | 0.000  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | LV | NT | 5.29   | 0.003  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | NV | NT | 19.23  | 0.011  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | HV | NT | 24.69  | 0.014  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | LV | NT | -21.27 | -0.012 | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | NV | NT | -31.17 | -0.018 | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | HV | NT | -8.88  | -0.005 | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | LV | NT | 0.79   | 0.000  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | NV | NT | 10.87  | 0.006  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | HV | NT | 14.19  | 0.008  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK  | LV | NT | 5.74   | 0.003  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK  | NV | NT | -4.66  | -0.003 | PASS |

|       |    |       |     |    |       |    |    |        |        |      |
|-------|----|-------|-----|----|-------|----|----|--------|--------|------|
| Band4 | 15 | 20175 | 75  | #0 | QPSK  | HV | NT | -8.05  | -0.005 | PASS |
| Band4 | 15 | 20175 | 75  | #0 | 16QAM | LV | NT | -4.21  | -0.002 | PASS |
| Band4 | 15 | 20175 | 75  | #0 | 16QAM | NV | NT | 2.42   | 0.001  | PASS |
| Band4 | 15 | 20175 | 75  | #0 | 16QAM | HV | NT | 10.06  | 0.006  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | LV | NT | -12.12 | -0.007 | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | NV | NT | -29.41 | -0.017 | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | HV | NT | -21.19 | -0.012 | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | LV | NT | -1.09  | -0.001 | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | NV | NT | 23.49  | 0.013  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | HV | NT | 0.79   | 0.000  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | LV | NT | -21.26 | -0.012 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | NT | -30.03 | -0.017 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | HV | NT | -9.30  | -0.005 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | LV | NT | 1.03   | 0.001  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | NV | NT | 21.21  | 0.012  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | HV | NT | 28.20  | 0.016  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | LV | NT | 9.37   | 0.005  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | NT | 3.36   | 0.002  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | HV | NT | 9.37   | 0.005  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | LV | NT | 19.96  | 0.012  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | NV | NT | 29.11  | 0.017  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | HV | NT | 32.22  | 0.019  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | LV | NT | 10.94  | 0.006  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | NT | 2.50   | 0.001  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | HV | NT | 5.78   | 0.003  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | LV | NT | 26.26  | 0.015  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | NV | NT | -0.19  | 0.000  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | HV | NT | 13.29  | 0.008  | PASS |

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Voltage<br>(Vdc) | Temperatue<br>(C) | Result<br>(Hz) | Result<br>(ppm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|------------------|-------------------|----------------|-----------------|---------|
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | NV               | -30               | -36.81         | -0.022          | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | NV               | -20               | -31.41         | -0.018          | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | NV               | 0                 | -24.43         | -0.014          | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | NV               | 10                | -31.64         | -0.018          | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | NV               | 20                | -8.51          | -0.005          | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | NV               | 30                | 30.10          | 0.018           | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | NV               | 40                | 21.70          | 0.013           | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | QPSK       | NV               | 50                | 26.66          | 0.016           | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | 16QAM      | NV               | -30               | 28.87          | 0.017           | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | 16QAM      | NV               | -20               | 32.43          | 0.019           | PASS    |
| Band4 | 1.4                | 19957         | 6          | #0             | 16QAM      | NV               | 0                 | 35.02          | 0.020           | PASS    |

|       |     |       |    |    |       |    |     |        |        |      |
|-------|-----|-------|----|----|-------|----|-----|--------|--------|------|
| Band4 | 1.4 | 19957 | 6  | #0 | 16QAM | NV | 10  | 26.78  | 0.016  | PASS |
| Band4 | 1.4 | 19957 | 6  | #0 | 16QAM | NV | 20  | 33.19  | 0.019  | PASS |
| Band4 | 1.4 | 19957 | 6  | #0 | 16QAM | NV | 30  | 27.95  | 0.016  | PASS |
| Band4 | 1.4 | 19957 | 6  | #0 | 16QAM | NV | 40  | 28.77  | 0.017  | PASS |
| Band4 | 1.4 | 19957 | 6  | #0 | 16QAM | NV | 50  | 14.15  | 0.008  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | QPSK  | NV | -30 | 15.28  | 0.009  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | QPSK  | NV | -20 | 32.73  | 0.019  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | QPSK  | NV | 0   | 46.82  | 0.027  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | QPSK  | NV | 10  | 20.63  | 0.012  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | QPSK  | NV | 20  | 45.25  | 0.026  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | QPSK  | NV | 30  | 6.12   | 0.004  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | QPSK  | NV | 40  | 16.39  | 0.009  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | QPSK  | NV | 50  | 31.97  | 0.018  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | 16QAM | NV | -30 | 34.12  | 0.020  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | 16QAM | NV | -20 | 33.13  | 0.019  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | 16QAM | NV | 0   | 9.14   | 0.005  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | 16QAM | NV | 10  | 23.42  | 0.014  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | 16QAM | NV | 20  | 36.94  | 0.021  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | 16QAM | NV | 30  | 22.20  | 0.013  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | 16QAM | NV | 40  | 14.39  | 0.008  | PASS |
| Band4 | 1.4 | 20175 | 6  | #0 | 16QAM | NV | 50  | 20.44  | 0.012  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | QPSK  | NV | -30 | -1.06  | -0.001 | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | QPSK  | NV | -20 | -7.84  | -0.004 | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | QPSK  | NV | 0   | 8.25   | 0.005  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | QPSK  | NV | 10  | 34.15  | 0.019  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | QPSK  | NV | 20  | 31.01  | 0.018  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | QPSK  | NV | 30  | 21.60  | 0.012  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | QPSK  | NV | 40  | 30.16  | 0.017  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | QPSK  | NV | 50  | 32.56  | 0.019  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | -30 | 18.12  | 0.010  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | -20 | 21.96  | 0.013  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 0   | 29.05  | 0.017  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 10  | 36.95  | 0.021  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 20  | 24.63  | 0.014  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 30  | 28.54  | 0.016  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 40  | 19.08  | 0.011  | PASS |
| Band4 | 1.4 | 20393 | 6  | #0 | 16QAM | NV | 50  | 18.15  | 0.010  | PASS |
| Band4 | 3   | 19965 | 15 | #0 | QPSK  | NV | -30 | -40.18 | -0.023 | PASS |
| Band4 | 3   | 19965 | 15 | #0 | QPSK  | NV | -20 | -33.93 | -0.020 | PASS |
| Band4 | 3   | 19965 | 15 | #0 | QPSK  | NV | 0   | -34.35 | -0.020 | PASS |
| Band4 | 3   | 19965 | 15 | #0 | QPSK  | NV | 10  | -22.47 | -0.013 | PASS |
| Band4 | 3   | 19965 | 15 | #0 | QPSK  | NV | 20  | -11.22 | -0.007 | PASS |

|       |   |       |    |    |       |    |     |       |        |      |
|-------|---|-------|----|----|-------|----|-----|-------|--------|------|
| Band4 | 3 | 19965 | 15 | #0 | QPSK  | NV | 30  | 20.67 | 0.012  | PASS |
| Band4 | 3 | 19965 | 15 | #0 | QPSK  | NV | 40  | 30.54 | 0.018  | PASS |
| Band4 | 3 | 19965 | 15 | #0 | QPSK  | NV | 50  | 8.60  | 0.005  | PASS |
| Band4 | 3 | 19965 | 15 | #0 | 16QAM | NV | -30 | 35.31 | 0.021  | PASS |
| Band4 | 3 | 19965 | 15 | #0 | 16QAM | NV | -20 | 26.09 | 0.015  | PASS |
| Band4 | 3 | 19965 | 15 | #0 | 16QAM | NV | 0   | 34.07 | 0.020  | PASS |
| Band4 | 3 | 19965 | 15 | #0 | 16QAM | NV | 10  | 26.22 | 0.015  | PASS |
| Band4 | 3 | 19965 | 15 | #0 | 16QAM | NV | 20  | 33.55 | 0.020  | PASS |
| Band4 | 3 | 19965 | 15 | #0 | 16QAM | NV | 30  | 6.49  | 0.004  | PASS |
| Band4 | 3 | 19965 | 15 | #0 | 16QAM | NV | 40  | 23.03 | 0.013  | PASS |
| Band4 | 3 | 19965 | 15 | #0 | 16QAM | NV | 50  | 1.10  | 0.001  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QPSK  | NV | -30 | 3.25  | 0.002  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QPSK  | NV | -20 | -1.10 | -0.001 | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 0   | 0.64  | 0.000  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 10  | 10.99 | 0.006  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 20  | 30.84 | 0.018  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 30  | 14.10 | 0.008  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 40  | 43.24 | 0.025  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QPSK  | NV | 50  | 35.86 | 0.021  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | 16QAM | NV | -30 | 3.30  | 0.002  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | 16QAM | NV | -20 | 30.53 | 0.018  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 0   | 10.99 | 0.006  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 10  | 23.12 | 0.013  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 20  | 28.71 | 0.017  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 30  | 30.88 | 0.018  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 40  | 28.00 | 0.016  | PASS |
| Band4 | 3 | 20175 | 15 | #0 | 16QAM | NV | 50  | 28.28 | 0.016  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QPSK  | NV | -30 | 7.24  | 0.004  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QPSK  | NV | -20 | -6.88 | -0.004 | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 0   | 2.23  | 0.001  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 10  | 39.47 | 0.023  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 20  | 11.24 | 0.006  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 30  | 33.29 | 0.019  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 40  | 25.03 | 0.014  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QPSK  | NV | 50  | 17.75 | 0.010  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | 16QAM | NV | -30 | 35.22 | 0.020  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | 16QAM | NV | -20 | 22.04 | 0.013  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 0   | 31.56 | 0.018  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 10  | 23.00 | 0.013  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 20  | 41.50 | 0.024  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 30  | 11.86 | 0.007  | PASS |
| Band4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 40  | 22.53 | 0.013  | PASS |

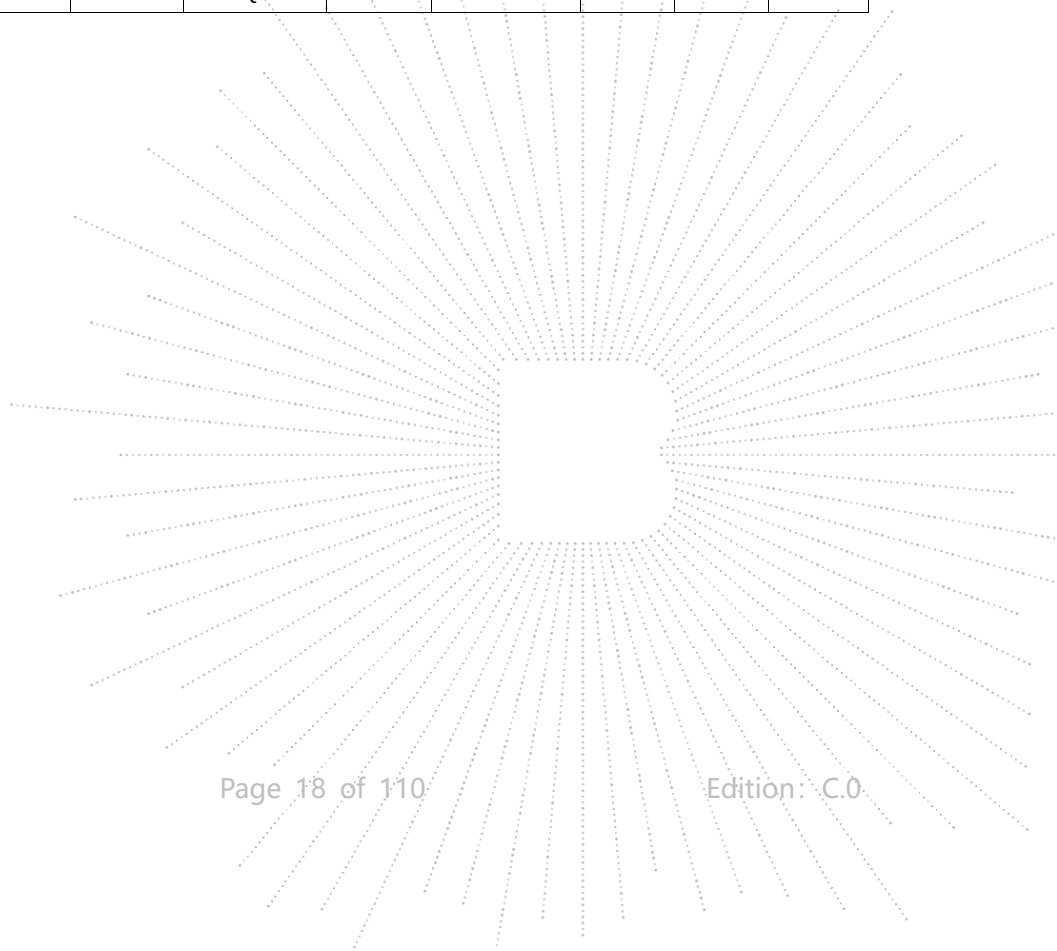
|       |   |       |    |    |       |    |     |        |        |      |
|-------|---|-------|----|----|-------|----|-----|--------|--------|------|
| Band4 | 3 | 20385 | 15 | #0 | 16QAM | NV | 50  | 27.05  | 0.015  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK  | NV | -30 | -32.52 | -0.019 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK  | NV | -20 | -23.30 | -0.014 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 0   | -28.04 | -0.016 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 10  | -31.06 | -0.018 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 20  | -10.80 | -0.006 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 30  | 28.67  | 0.017  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 40  | 31.73  | 0.019  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK  | NV | 50  | 9.56   | 0.006  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | 16QAM | NV | -30 | 32.10  | 0.019  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | 16QAM | NV | -20 | 26.05  | 0.015  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 0   | 23.90  | 0.014  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 10  | 36.62  | 0.021  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 20  | 2.88   | 0.002  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 30  | 10.94  | 0.006  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 40  | 21.24  | 0.012  | PASS |
| Band4 | 5 | 19975 | 25 | #0 | 16QAM | NV | 50  | 28.01  | 0.016  | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QPSK  | NV | -30 | -2.73  | -0.002 | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QPSK  | NV | -20 | -16.29 | -0.009 | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 0   | -15.92 | -0.009 | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 10  | -2.62  | -0.002 | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 20  | 16.24  | 0.009  | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 30  | 10.47  | 0.006  | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 40  | 27.67  | 0.016  | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QPSK  | NV | 50  | 21.21  | 0.012  | PASS |
| Band4 | 5 | 20175 | 25 | #0 | 16QAM | NV | -30 | 30.21  | 0.017  | PASS |
| Band4 | 5 | 20175 | 25 | #0 | 16QAM | NV | -20 | 23.82  | 0.014  | PASS |
| Band4 | 5 | 20175 | 25 | #0 | 16QAM | NV | 0   | 11.76  | 0.007  | PASS |
| Band4 | 5 | 20175 | 25 | #0 | 16QAM | NV | 10  | 5.16   | 0.003  | PASS |
| Band4 | 5 | 20175 | 25 | #0 | 16QAM | NV | 20  | -1.75  | -0.001 | PASS |
| Band4 | 5 | 20175 | 25 | #0 | 16QAM | NV | 30  | -12.45 | -0.007 | PASS |
| Band4 | 5 | 20175 | 25 | #0 | 16QAM | NV | 40  | -23.17 | -0.013 | PASS |
| Band4 | 5 | 20175 | 25 | #0 | 16QAM | NV | 50  | -28.37 | -0.016 | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QPSK  | NV | -30 | -0.31  | 0.000  | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QPSK  | NV | -20 | -7.68  | -0.004 | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QPSK  | NV | 0   | 10.54  | 0.006  | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QPSK  | NV | 10  | 14.09  | 0.008  | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QPSK  | NV | 20  | 11.86  | 0.007  | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QPSK  | NV | 30  | 28.95  | 0.017  | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QPSK  | NV | 40  | 20.01  | 0.011  | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QPSK  | NV | 50  | 29.27  | 0.017  | PASS |
| Band4 | 5 | 20375 | 25 | #0 | 16QAM | NV | -30 | 26.42  | 0.015  | PASS |

|       |    |       |    |    |       |    |     |        |        |      |
|-------|----|-------|----|----|-------|----|-----|--------|--------|------|
| Band4 | 5  | 20375 | 25 | #0 | 16QAM | NV | -20 | 22.03  | 0.013  | PASS |
| Band4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 0   | 21.03  | 0.012  | PASS |
| Band4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 10  | 33.89  | 0.019  | PASS |
| Band4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 20  | 10.57  | 0.006  | PASS |
| Band4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 30  | 24.98  | 0.014  | PASS |
| Band4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 40  | 16.75  | 0.010  | PASS |
| Band4 | 5  | 20375 | 25 | #0 | 16QAM | NV | 50  | 27.84  | 0.016  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | NV | -30 | -46.19 | -0.027 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | NV | -20 | -35.43 | -0.021 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 0   | -43.36 | -0.025 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 10  | 0.62   | 0.000  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 20  | 21.99  | 0.013  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 30  | 18.68  | 0.011  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 40  | 27.17  | 0.016  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK  | NV | 50  | 28.10  | 0.016  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | NV | -30 | 13.50  | 0.008  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | NV | -20 | 21.54  | 0.013  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 0   | 19.64  | 0.011  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 10  | 15.86  | 0.009  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 20  | 14.68  | 0.009  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 30  | 39.73  | 0.023  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 40  | 14.52  | 0.008  | PASS |
| Band4 | 10 | 20000 | 50 | #0 | 16QAM | NV | 50  | 18.41  | 0.011  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | NV | -30 | -19.38 | -0.011 | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | NV | -20 | -43.59 | -0.025 | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 0   | 12.20  | 0.007  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 10  | 3.03   | 0.002  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 20  | 20.24  | 0.012  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 30  | 24.72  | 0.014  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 40  | 25.63  | 0.015  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK  | NV | 50  | 36.32  | 0.021  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | NV | -30 | 24.72  | 0.014  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | NV | -20 | 14.96  | 0.009  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 0   | 7.87   | 0.005  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 10  | -11.84 | -0.007 | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 20  | -33.32 | -0.019 | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 30  | -34.52 | -0.020 | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 40  | 7.04   | 0.004  | PASS |
| Band4 | 10 | 20175 | 50 | #0 | 16QAM | NV | 50  | 0.41   | 0.000  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | NV | -30 | -21.07 | -0.012 | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | NV | -20 | -16.42 | -0.009 | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 0   | 16.62  | 0.009  | PASS |

|       |    |       |    |    |       |    |     |        |        |      |
|-------|----|-------|----|----|-------|----|-----|--------|--------|------|
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 10  | 29.35  | 0.017  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 20  | 29.14  | 0.017  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 30  | 23.93  | 0.014  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 40  | 32.62  | 0.019  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK  | NV | 50  | 27.64  | 0.016  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | NV | -30 | 28.58  | 0.016  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | NV | -20 | 24.26  | 0.014  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 0   | 21.89  | 0.013  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 10  | 21.47  | 0.012  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 20  | 24.10  | 0.014  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 30  | 9.56   | 0.005  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 40  | 27.77  | 0.016  | PASS |
| Band4 | 10 | 20350 | 50 | #0 | 16QAM | NV | 50  | 17.42  | 0.010  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | NV | -30 | -41.16 | -0.024 | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | NV | -20 | -40.98 | -0.024 | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 0   | -23.10 | -0.013 | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 10  | 14.78  | 0.009  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 20  | 17.61  | 0.010  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 30  | 34.93  | 0.020  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 40  | 11.09  | 0.006  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK  | NV | 50  | 15.25  | 0.009  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | NV | -30 | 25.55  | 0.015  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | NV | -20 | 23.66  | 0.014  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 0   | 31.37  | 0.018  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 10  | 32.52  | 0.019  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 20  | 29.41  | 0.017  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 30  | 23.40  | 0.014  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 40  | 15.25  | 0.009  | PASS |
| Band4 | 15 | 20025 | 75 | #0 | 16QAM | NV | 50  | 18.25  | 0.011  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK  | NV | -30 | -22.72 | -0.013 | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK  | NV | -20 | -27.49 | -0.016 | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 0   | 21.14  | 0.012  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 10  | 26.06  | 0.015  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 20  | 19.40  | 0.011  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 30  | 22.96  | 0.013  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 40  | 17.22  | 0.010  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK  | NV | 50  | 18.32  | 0.011  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | 16QAM | NV | -30 | 22.16  | 0.013  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | 16QAM | NV | -20 | 11.89  | 0.007  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | 16QAM | NV | 0   | 3.85   | 0.002  | PASS |
| Band4 | 15 | 20175 | 75 | #0 | 16QAM | NV | 10  | -12.40 | -0.007 | PASS |
| Band4 | 15 | 20175 | 75 | #0 | 16QAM | NV | 20  | -3.12  | -0.002 | PASS |

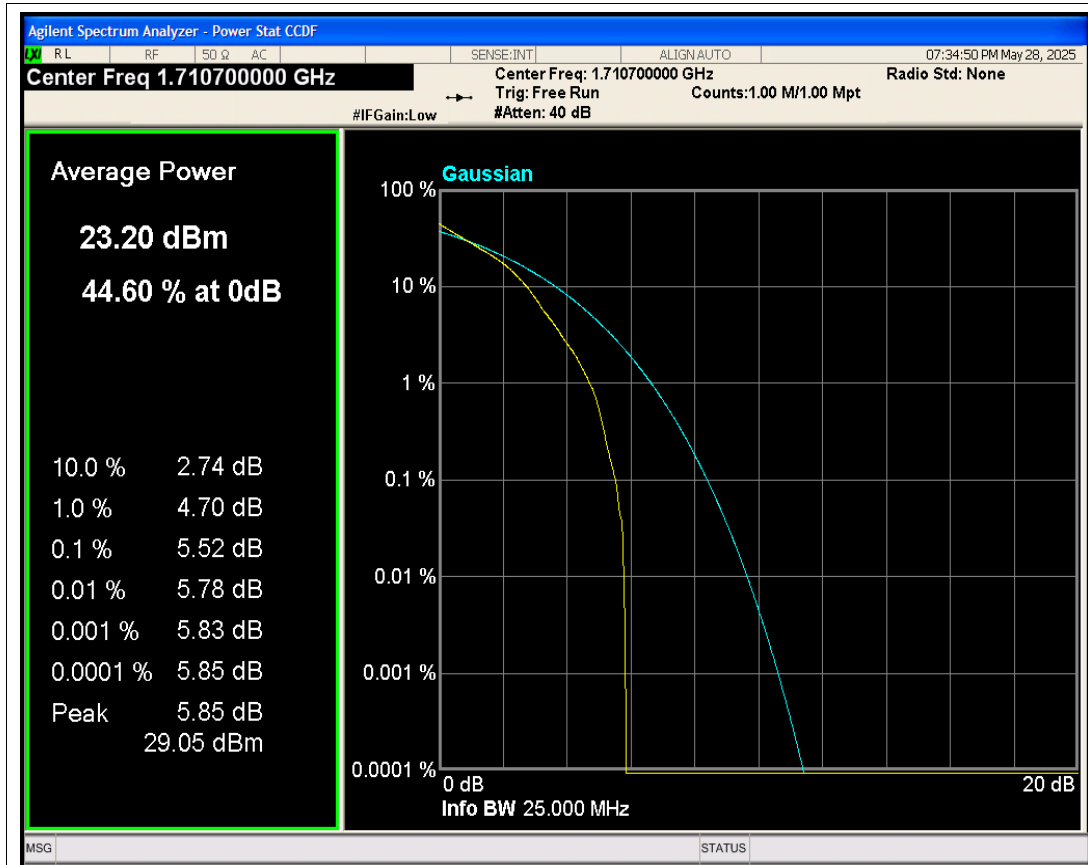
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|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|
| Band4 | 15 | 20175 | 75  | #0 | 16QAM | NV | 30  | -19.27 | -0.011 | PASS |
| Band4 | 15 | 20175 | 75  | #0 | 16QAM | NV | 40  | -10.13 | -0.006 | PASS |
| Band4 | 15 | 20175 | 75  | #0 | 16QAM | NV | 50  | 7.14   | 0.004  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | NV | -30 | 2.98   | 0.002  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | NV | -20 | 27.44  | 0.016  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | NV | 0   | 19.44  | 0.011  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | NV | 10  | 30.54  | 0.017  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | NV | 20  | 31.96  | 0.018  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | NV | 30  | 25.32  | 0.014  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | NV | 40  | 23.99  | 0.014  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | QPSK  | NV | 50  | 32.97  | 0.019  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | NV | -30 | 26.72  | 0.015  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | NV | -20 | 24.98  | 0.014  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | NV | 0   | 20.08  | 0.011  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | NV | 10  | 26.12  | 0.015  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | NV | 20  | 24.60  | 0.014  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | NV | 30  | 31.71  | 0.018  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | NV | 40  | 25.69  | 0.015  | PASS |
| Band4 | 15 | 20325 | 75  | #0 | 16QAM | NV | 50  | 18.07  | 0.010  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | -30 | -43.02 | -0.025 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | -20 | -26.26 | -0.015 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 0   | 26.46  | 0.015  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 10  | 21.72  | 0.013  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 20  | 34.02  | 0.020  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 30  | 27.69  | 0.016  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 40  | 29.54  | 0.017  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK  | NV | 50  | 16.65  | 0.010  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | NV | -30 | 22.73  | 0.013  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | NV | -20 | 22.82  | 0.013  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | NV | 0   | 32.73  | 0.019  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | NV | 10  | 15.35  | 0.009  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | NV | 20  | 20.94  | 0.012  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | NV | 30  | 37.24  | 0.022  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | NV | 40  | 30.07  | 0.017  | PASS |
| Band4 | 20 | 20050 | 100 | #0 | 16QAM | NV | 50  | 11.13  | 0.006  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | -30 | -9.77  | -0.006 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | -20 | 8.98   | 0.005  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 0   | 23.53  | 0.014  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 10  | 30.13  | 0.017  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 20  | 22.57  | 0.013  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 30  | 23.90  | 0.014  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 40  | 24.85  | 0.014  | PASS |

|       |    |       |     |    |       |    |     |        |        |      |
|-------|----|-------|-----|----|-------|----|-----|--------|--------|------|
| Band4 | 20 | 20175 | 100 | #0 | QPSK  | NV | 50  | 18.38  | 0.011  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | NV | -30 | 28.38  | 0.016  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | NV | -20 | 30.43  | 0.018  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | NV | 0   | -2.82  | -0.002 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | NV | 10  | 27.05  | 0.016  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | NV | 20  | 26.56  | 0.015  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | NV | 30  | 5.19   | 0.003  | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | NV | 40  | -16.64 | -0.010 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | 16QAM | NV | 50  | -11.14 | -0.006 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | -30 | 27.85  | 0.016  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | -20 | 16.49  | 0.009  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 0   | 26.35  | 0.015  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 10  | 20.50  | 0.012  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 20  | 29.25  | 0.017  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 30  | 33.00  | 0.019  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 40  | 29.13  | 0.017  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK  | NV | 50  | 25.08  | 0.014  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | NV | -30 | 24.39  | 0.014  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | NV | -20 | 19.50  | 0.011  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | NV | 0   | 23.29  | 0.013  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | NV | 10  | 32.62  | 0.019  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | NV | 20  | 9.76   | 0.006  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | NV | 30  | 18.17  | 0.010  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | NV | 40  | 24.15  | 0.014  | PASS |
| Band4 | 20 | 20300 | 100 | #0 | 16QAM | NV | 50  | 7.75   | 0.004  | PASS |

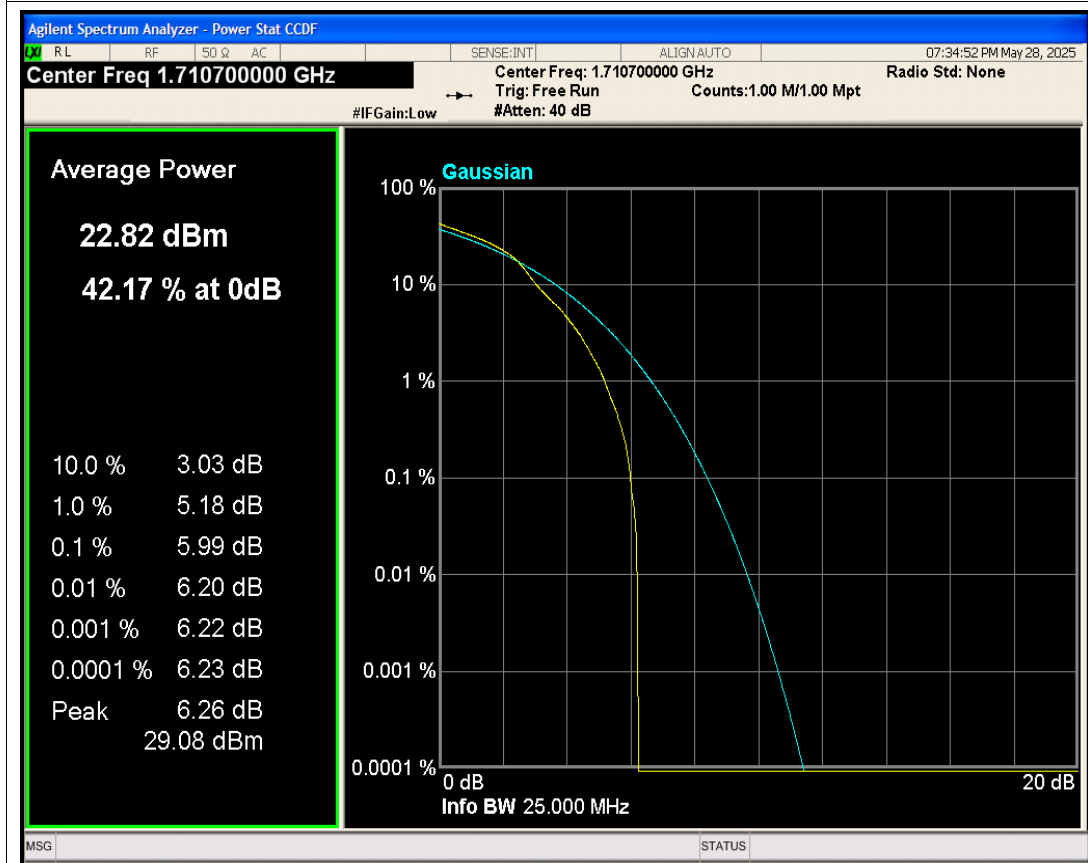


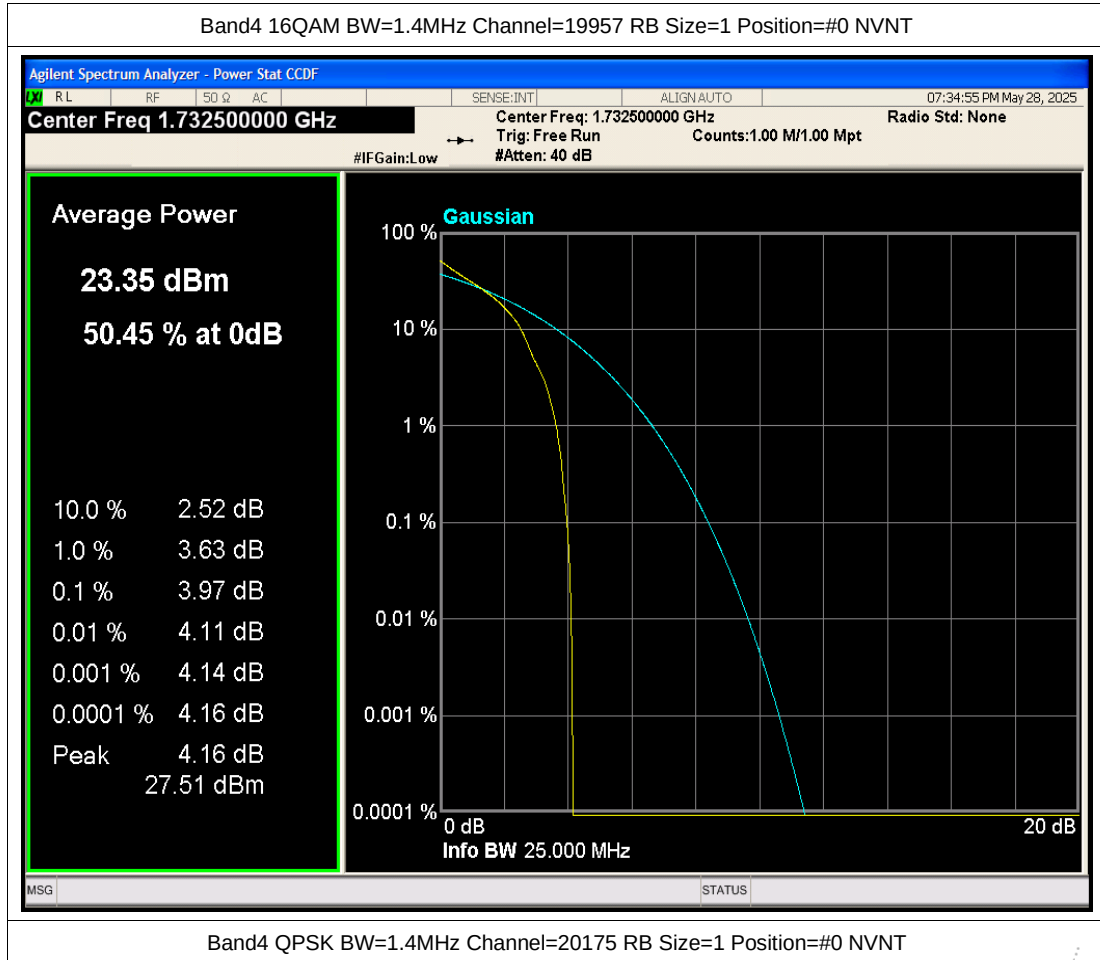
### Appendix 3. Peak-to-Average Ratio

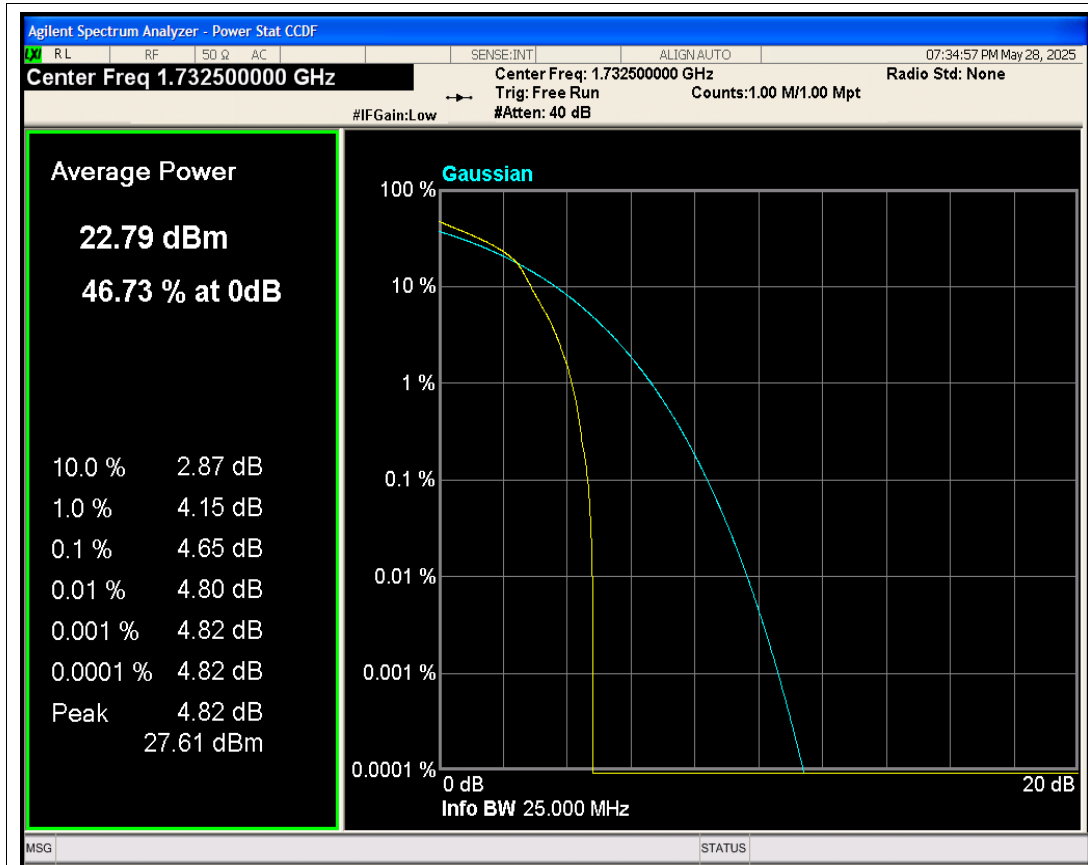
| Condition | Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Result<br>(dB) | high Limit<br>(dB) | Verdict |
|-----------|-------|--------------------|---------------|------------|----------------|------------|----------------|--------------------|---------|
| NVNT      | Band4 | 1.4                | 19957         | 1          | #0             | QPSK       | 5.52           | 13                 | PASS    |
| NVNT      | Band4 | 1.4                | 19957         | 1          | #0             | 16QAM      | 5.99           | 13                 | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 1          | #0             | QPSK       | 3.97           | 13                 | PASS    |
| NVNT      | Band4 | 1.4                | 20175         | 1          | #0             | 16QAM      | 4.65           | 13                 | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 1          | #0             | QPSK       | 4.98           | 13                 | PASS    |
| NVNT      | Band4 | 1.4                | 20393         | 1          | #0             | 16QAM      | 6.01           | 13                 | PASS    |
| NVNT      | Band4 | 3                  | 19965         | 1          | #0             | QPSK       | 5.44           | 13                 | PASS    |
| NVNT      | Band4 | 3                  | 19965         | 1          | #0             | 16QAM      | 6.45           | 13                 | PASS    |
| NVNT      | Band4 | 3                  | 20175         | 1          | #0             | QPSK       | 4.08           | 13                 | PASS    |
| NVNT      | Band4 | 3                  | 20175         | 1          | #0             | 16QAM      | 4.43           | 13                 | PASS    |
| NVNT      | Band4 | 3                  | 20385         | 1          | #0             | QPSK       | 5.13           | 13                 | PASS    |
| NVNT      | Band4 | 3                  | 20385         | 1          | #0             | 16QAM      | 5.92           | 13                 | PASS    |
| NVNT      | Band4 | 5                  | 19975         | 1          | #0             | QPSK       | 5.59           | 13                 | PASS    |
| NVNT      | Band4 | 5                  | 19975         | 1          | #0             | 16QAM      | 6.38           | 13                 | PASS    |
| NVNT      | Band4 | 5                  | 20175         | 1          | #0             | QPSK       | 3.99           | 13                 | PASS    |
| NVNT      | Band4 | 5                  | 20175         | 1          | #0             | 16QAM      | 4.85           | 13                 | PASS    |
| NVNT      | Band4 | 5                  | 20375         | 1          | #0             | QPSK       | 5.63           | 13                 | PASS    |
| NVNT      | Band4 | 5                  | 20375         | 1          | #0             | 16QAM      | 6.49           | 13                 | PASS    |
| NVNT      | Band4 | 10                 | 20000         | 1          | #0             | QPSK       | 5.44           | 13                 | PASS    |
| NVNT      | Band4 | 10                 | 20000         | 1          | #0             | 16QAM      | 6.50           | 13                 | PASS    |
| NVNT      | Band4 | 10                 | 20175         | 1          | #0             | QPSK       | 4.23           | 13                 | PASS    |
| NVNT      | Band4 | 10                 | 20175         | 1          | #0             | 16QAM      | 5.29           | 13                 | PASS    |
| NVNT      | Band4 | 10                 | 20350         | 1          | #0             | QPSK       | 5.35           | 13                 | PASS    |
| NVNT      | Band4 | 10                 | 20350         | 1          | #0             | 16QAM      | 6.17           | 13                 | PASS    |
| NVNT      | Band4 | 15                 | 20025         | 1          | #0             | QPSK       | 5.42           | 13                 | PASS    |
| NVNT      | Band4 | 15                 | 20025         | 1          | #0             | 16QAM      | 6.50           | 13                 | PASS    |
| NVNT      | Band4 | 15                 | 20175         | 1          | #0             | QPSK       | 4.15           | 13                 | PASS    |
| NVNT      | Band4 | 15                 | 20175         | 1          | #0             | 16QAM      | 5.14           | 13                 | PASS    |
| NVNT      | Band4 | 15                 | 20325         | 1          | #0             | QPSK       | 4.71           | 13                 | PASS    |
| NVNT      | Band4 | 15                 | 20325         | 1          | #0             | 16QAM      | 5.61           | 13                 | PASS    |
| NVNT      | Band4 | 20                 | 20050         | 1          | #0             | QPSK       | 5.20           | 13                 | PASS    |
| NVNT      | Band4 | 20                 | 20050         | 1          | #0             | 16QAM      | 6.08           | 13                 | PASS    |
| NVNT      | Band4 | 20                 | 20175         | 1          | #0             | QPSK       | 3.95           | 13                 | PASS    |
| NVNT      | Band4 | 20                 | 20175         | 1          | #0             | 16QAM      | 5.13           | 13                 | PASS    |
| NVNT      | Band4 | 20                 | 20300         | 1          | #0             | QPSK       | 3.84           | 13                 | PASS    |
| NVNT      | Band4 | 20                 | 20300         | 1          | #0             | 16QAM      | 4.74           | 13                 | PASS    |



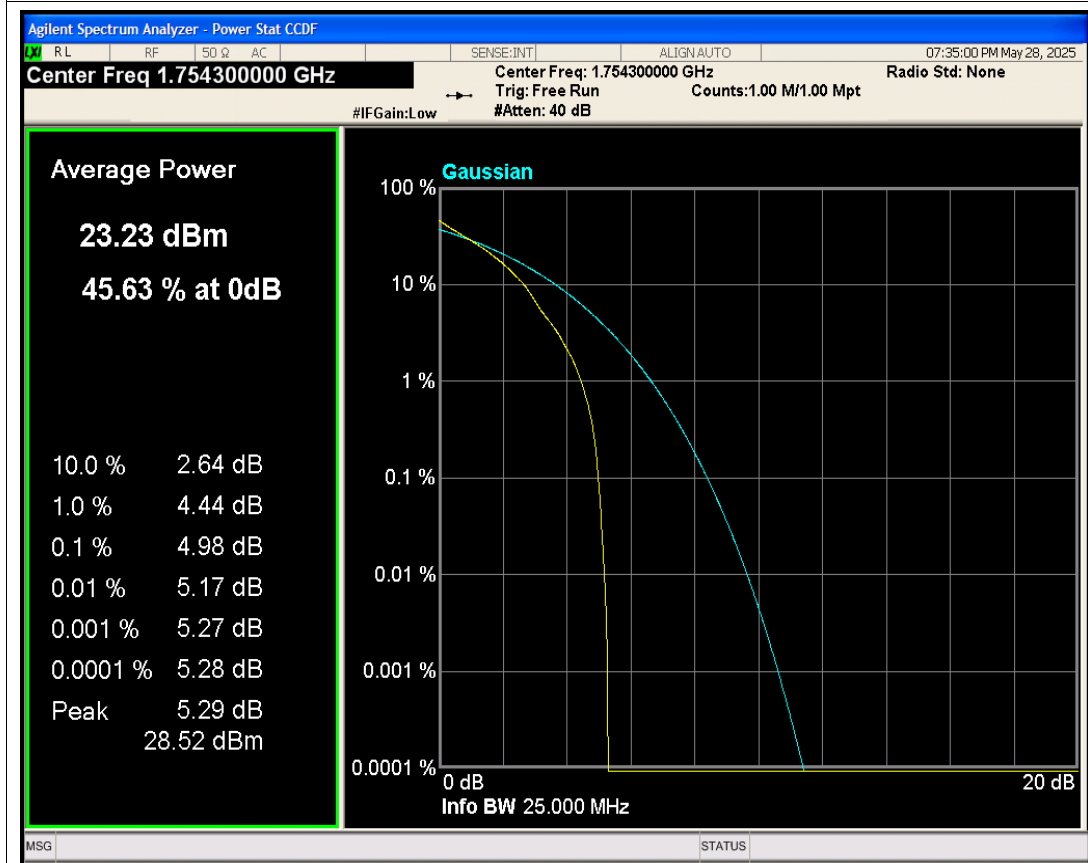
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT

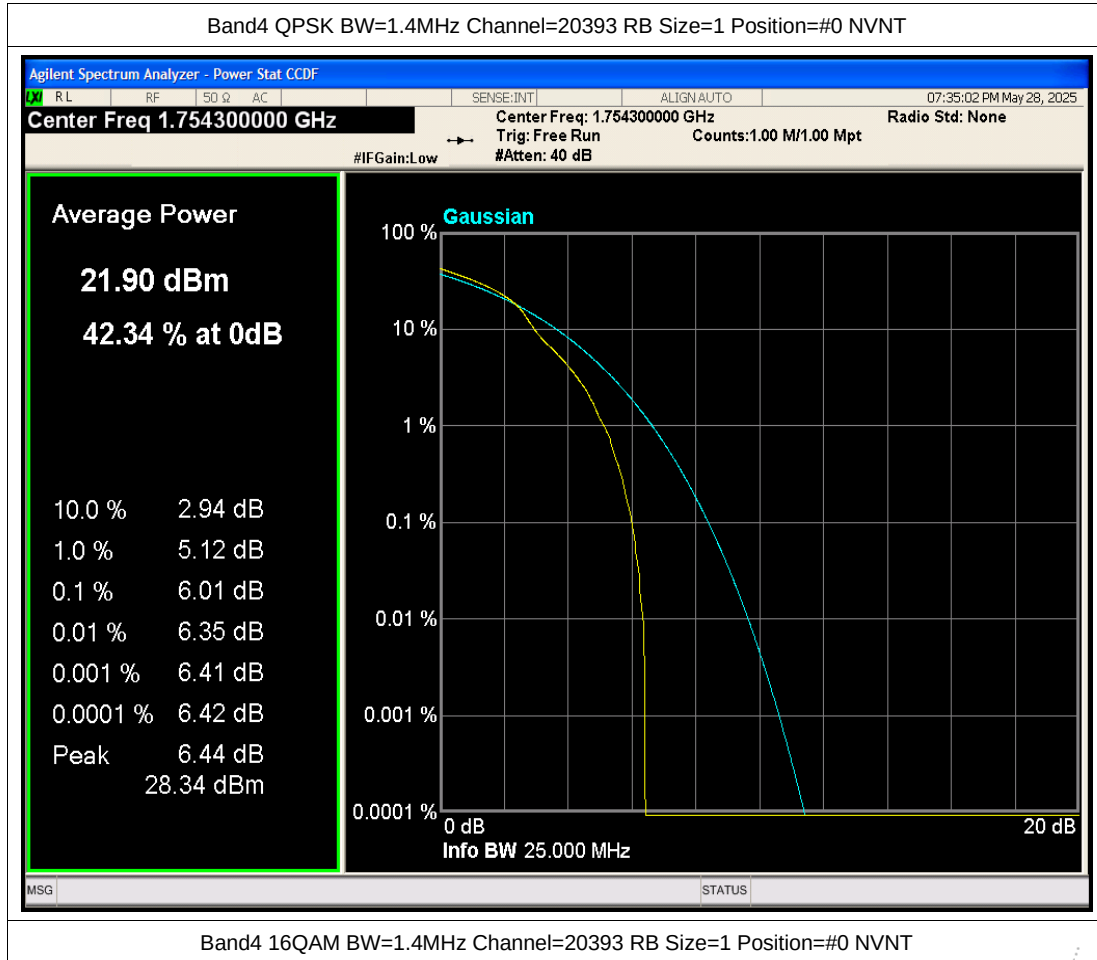


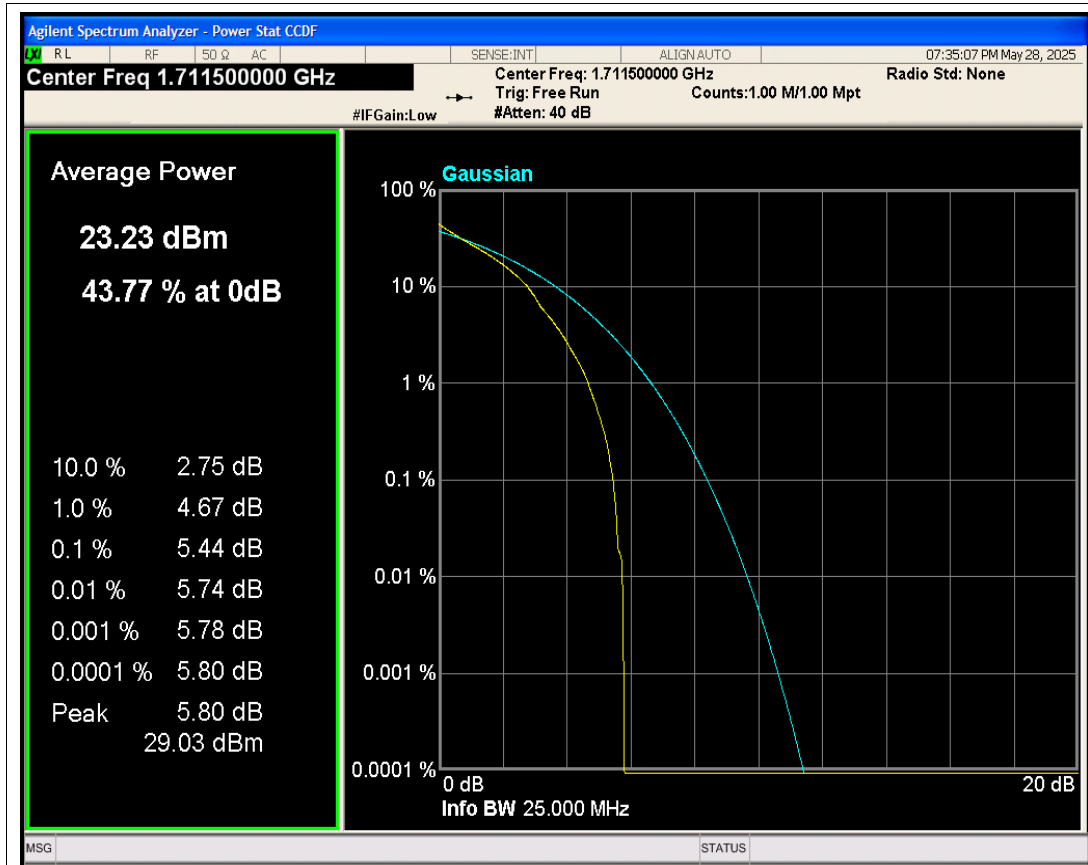




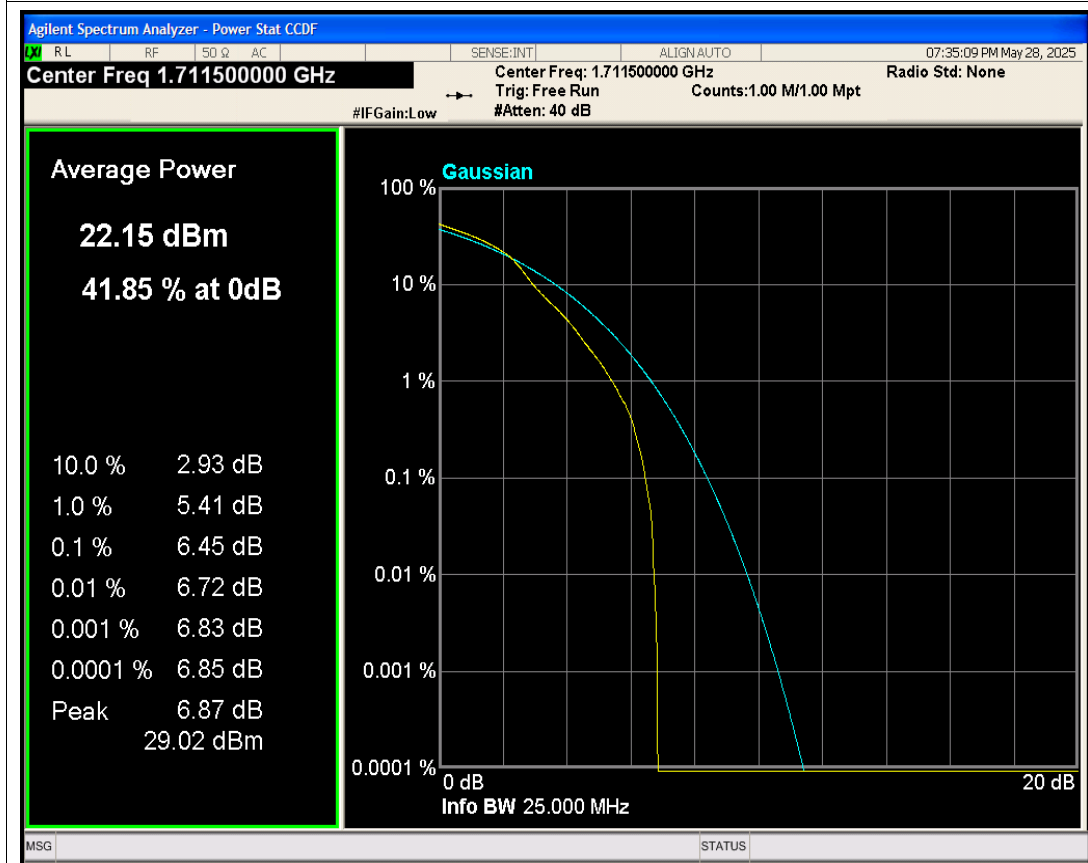
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT

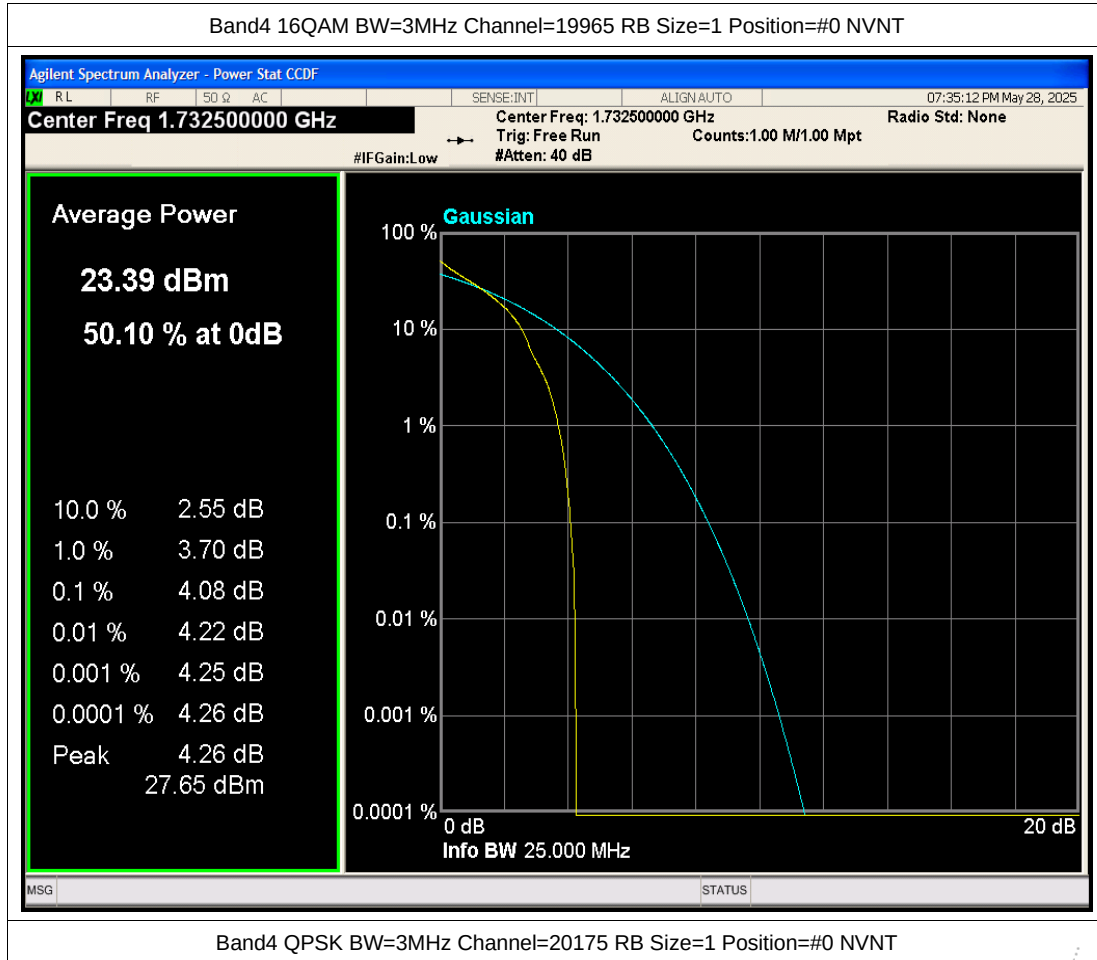


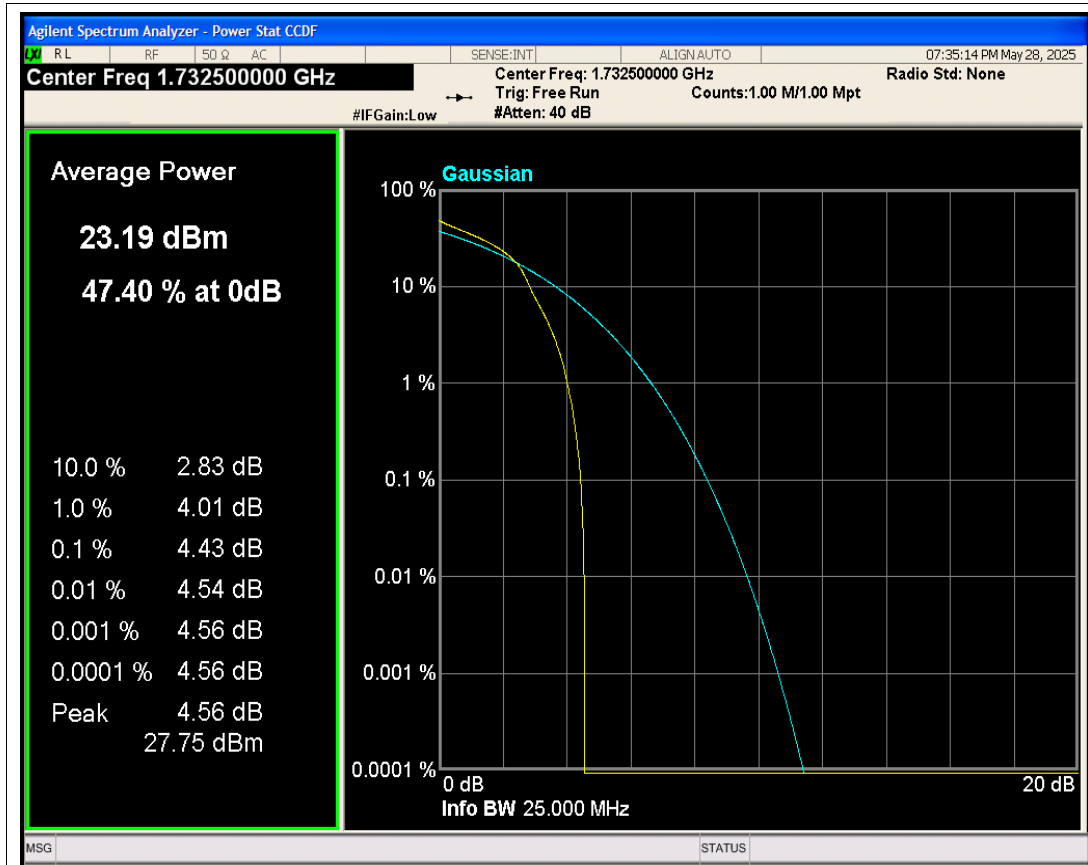




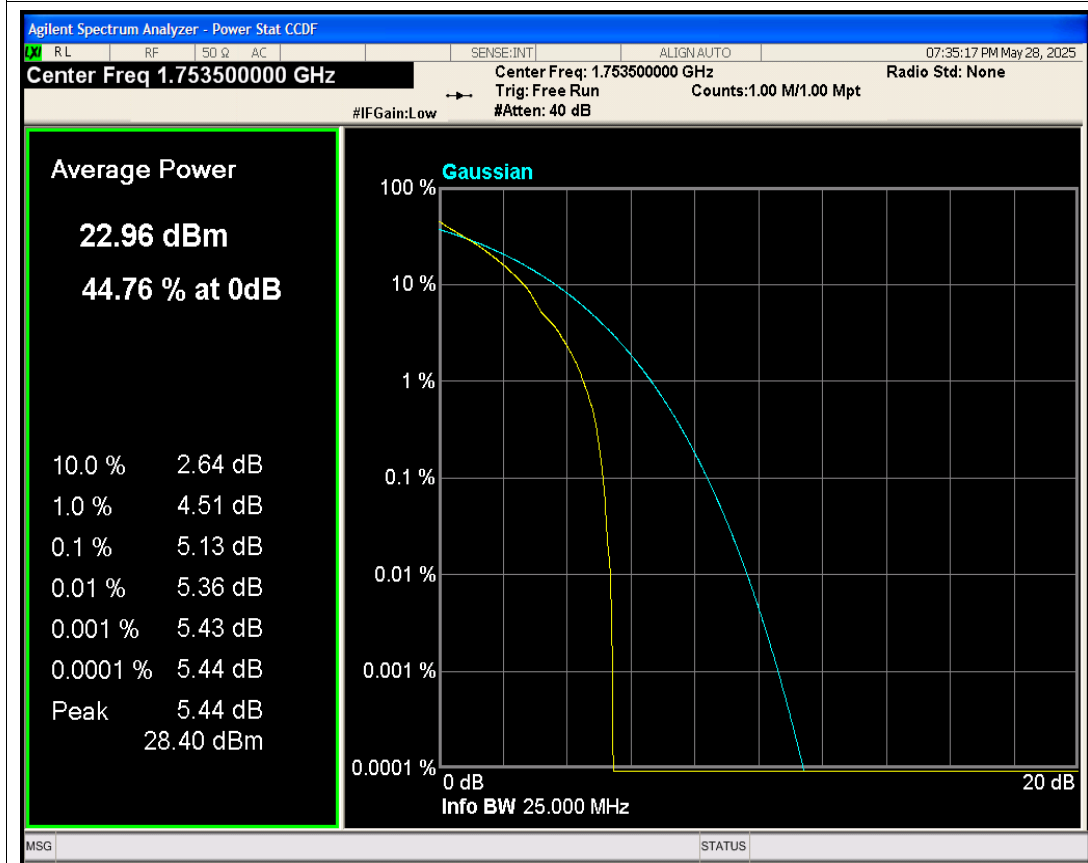
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT

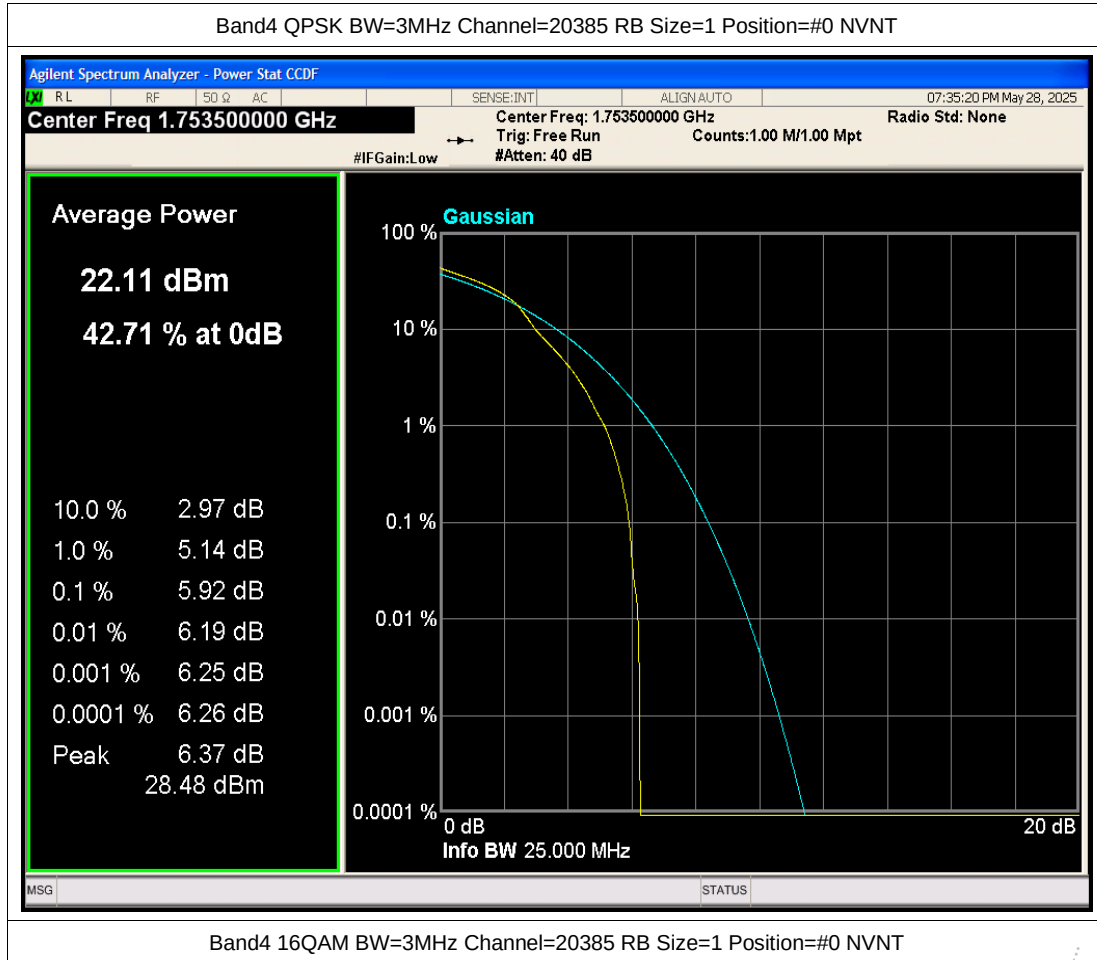


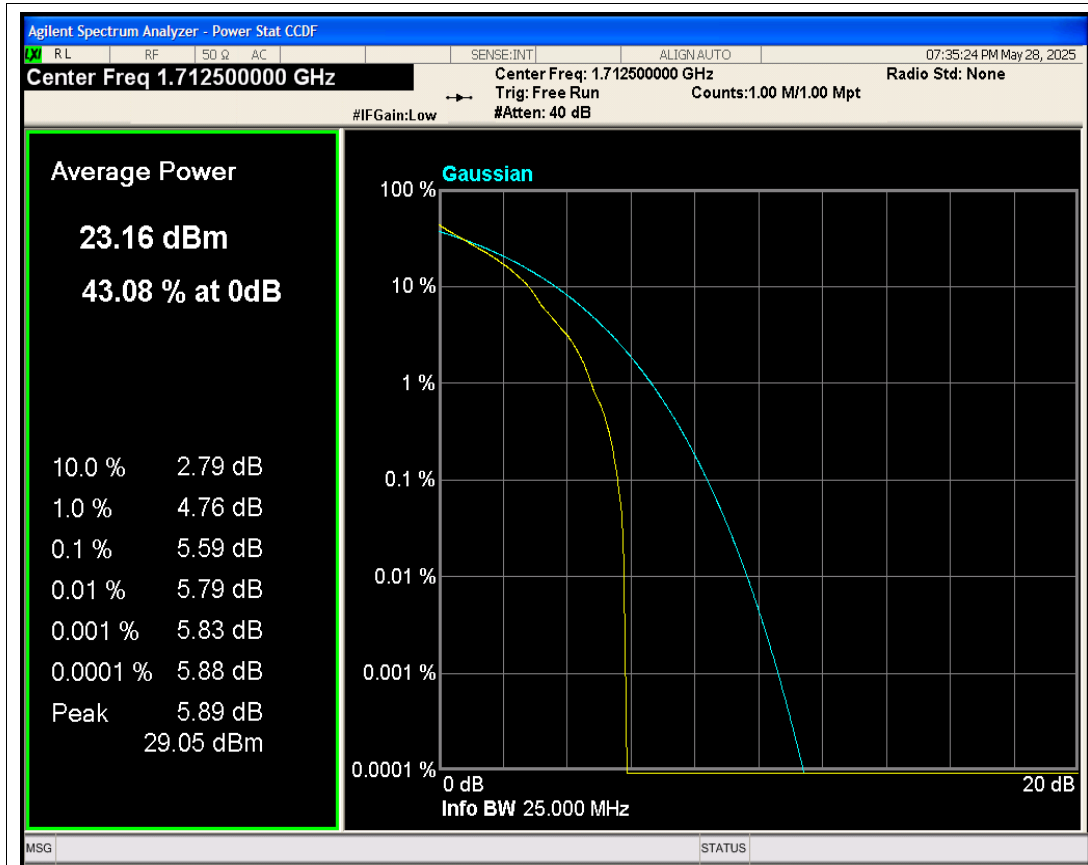




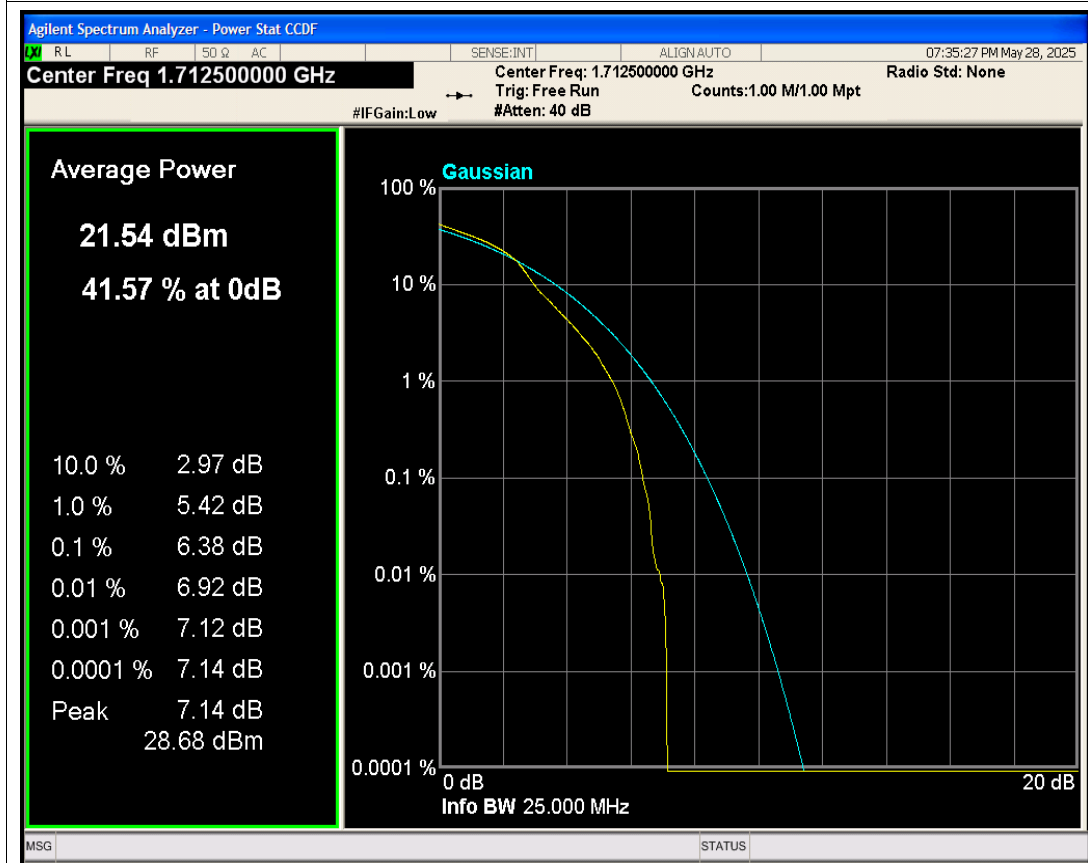
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT

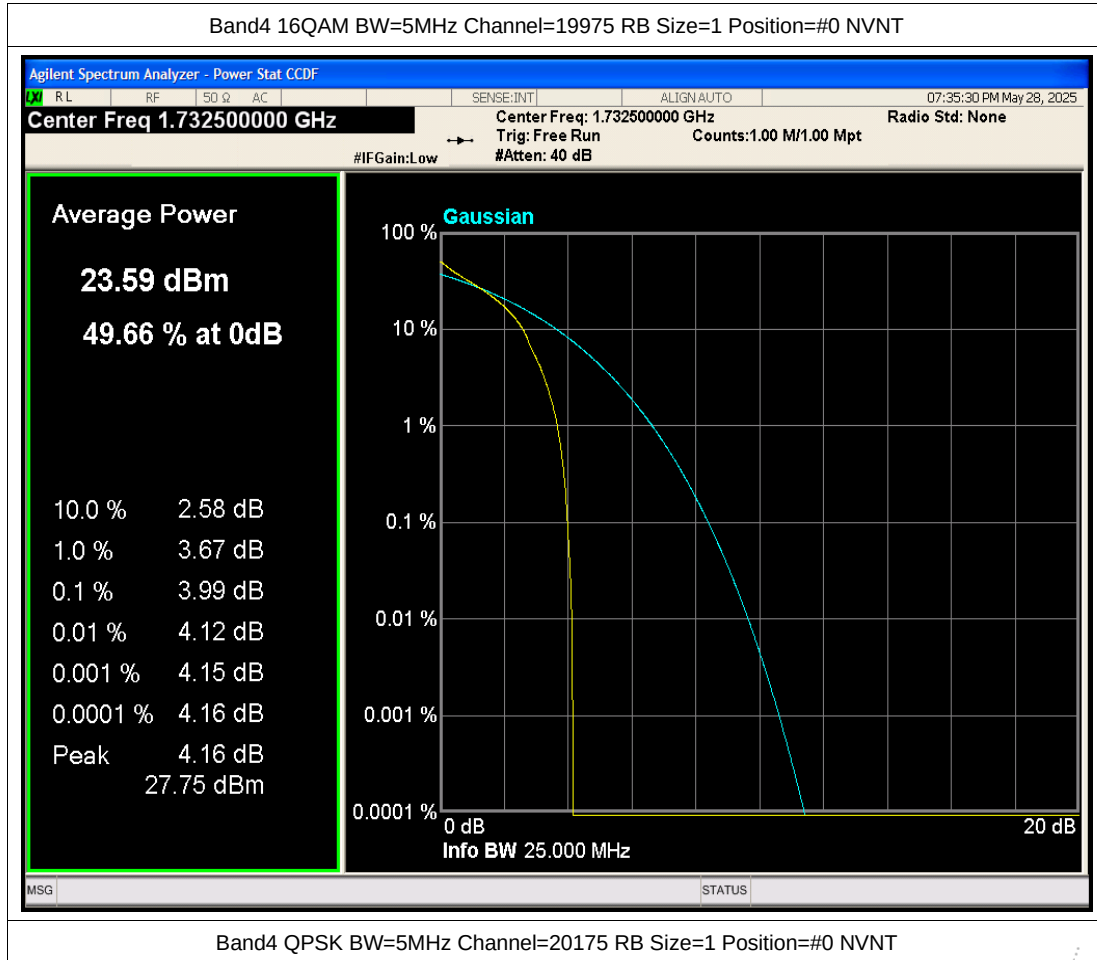


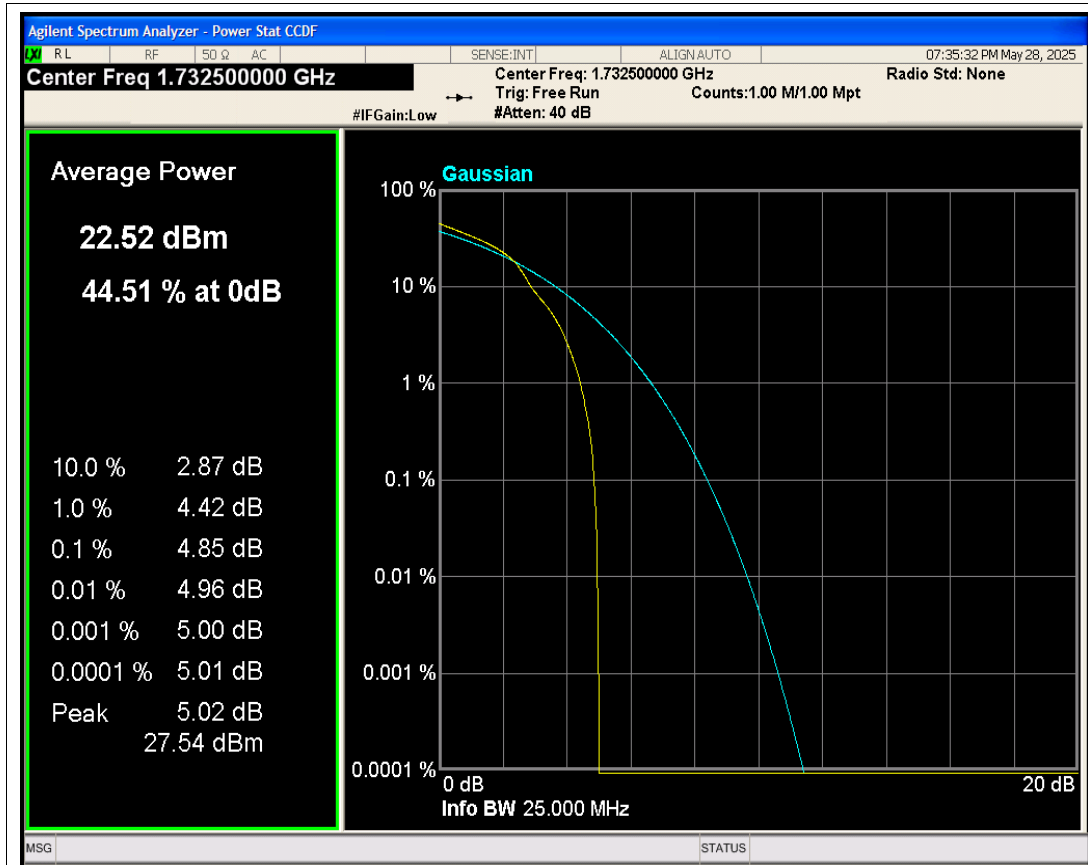




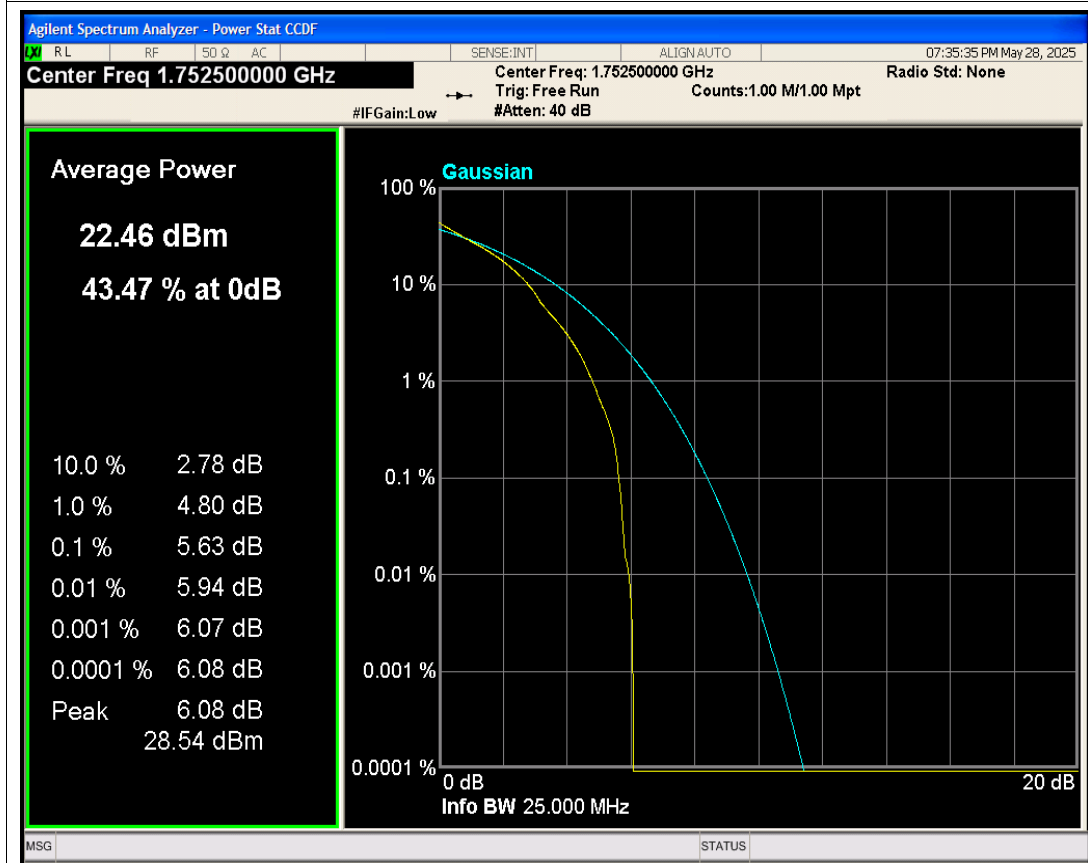
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT

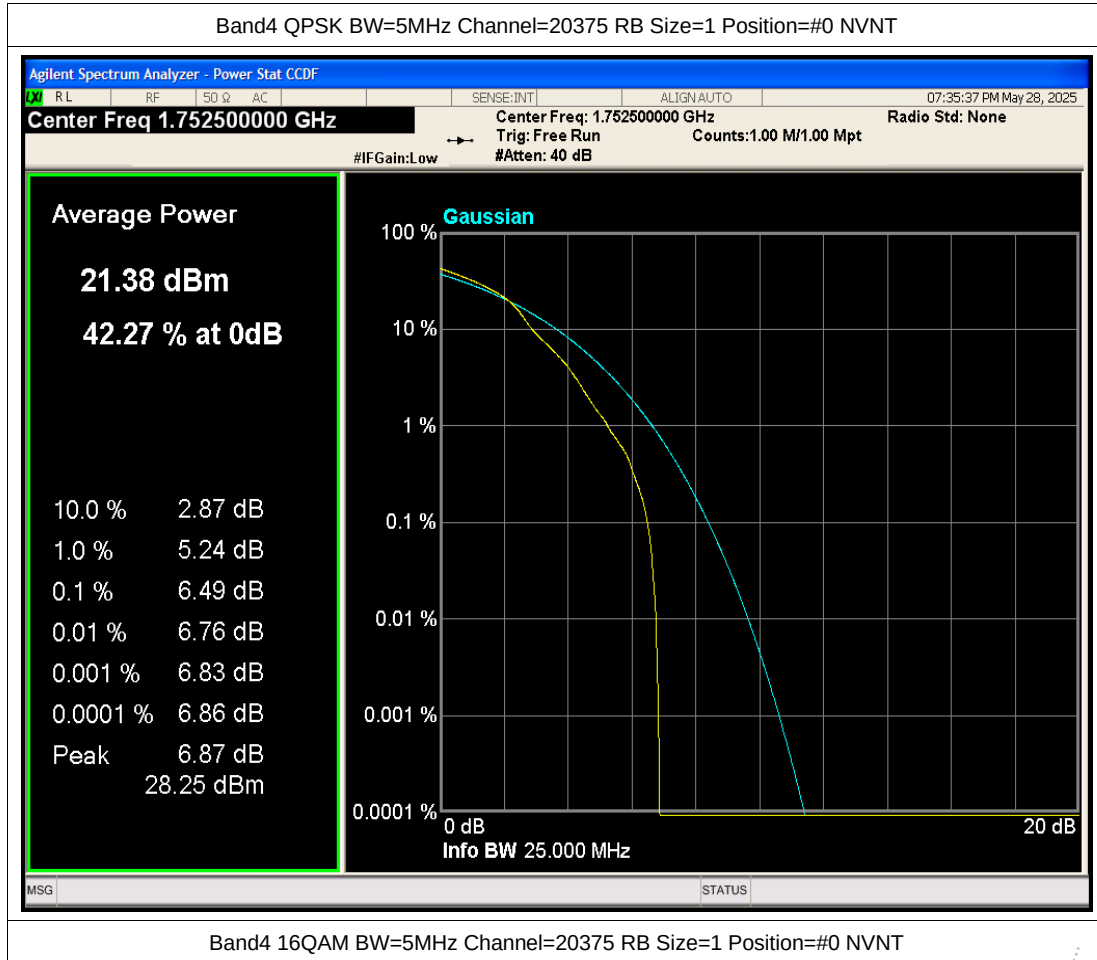


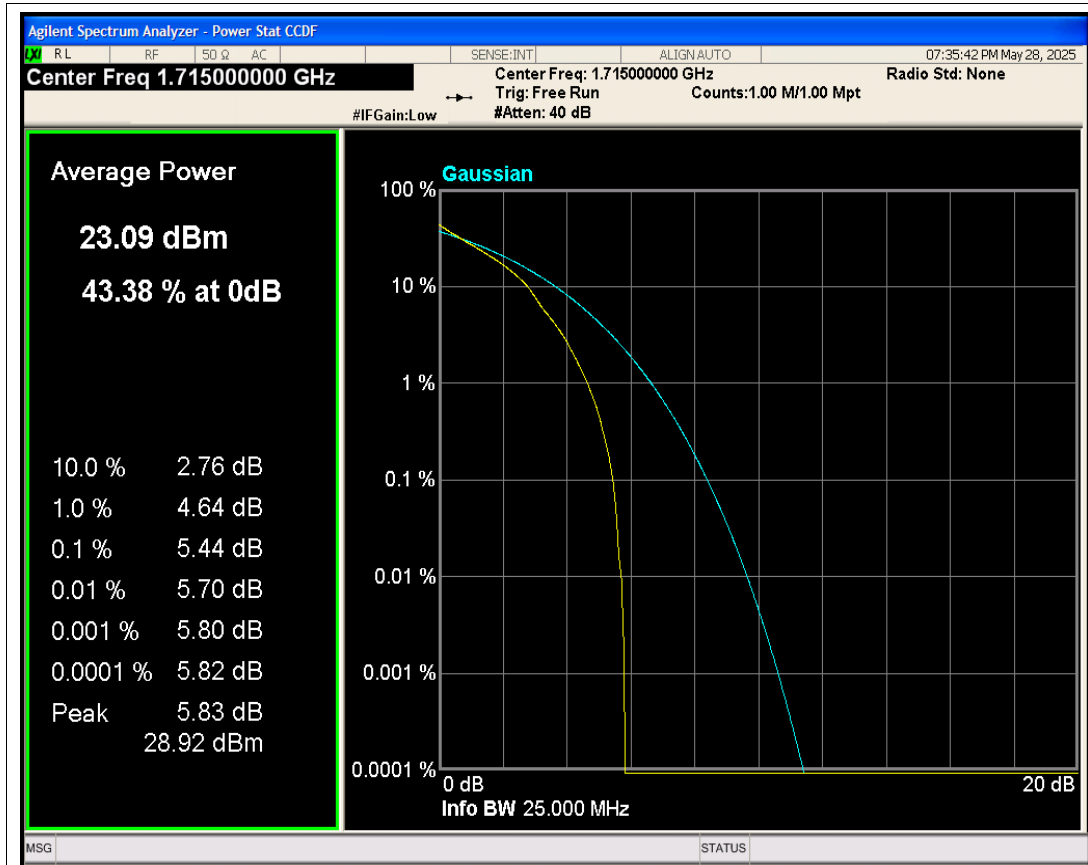




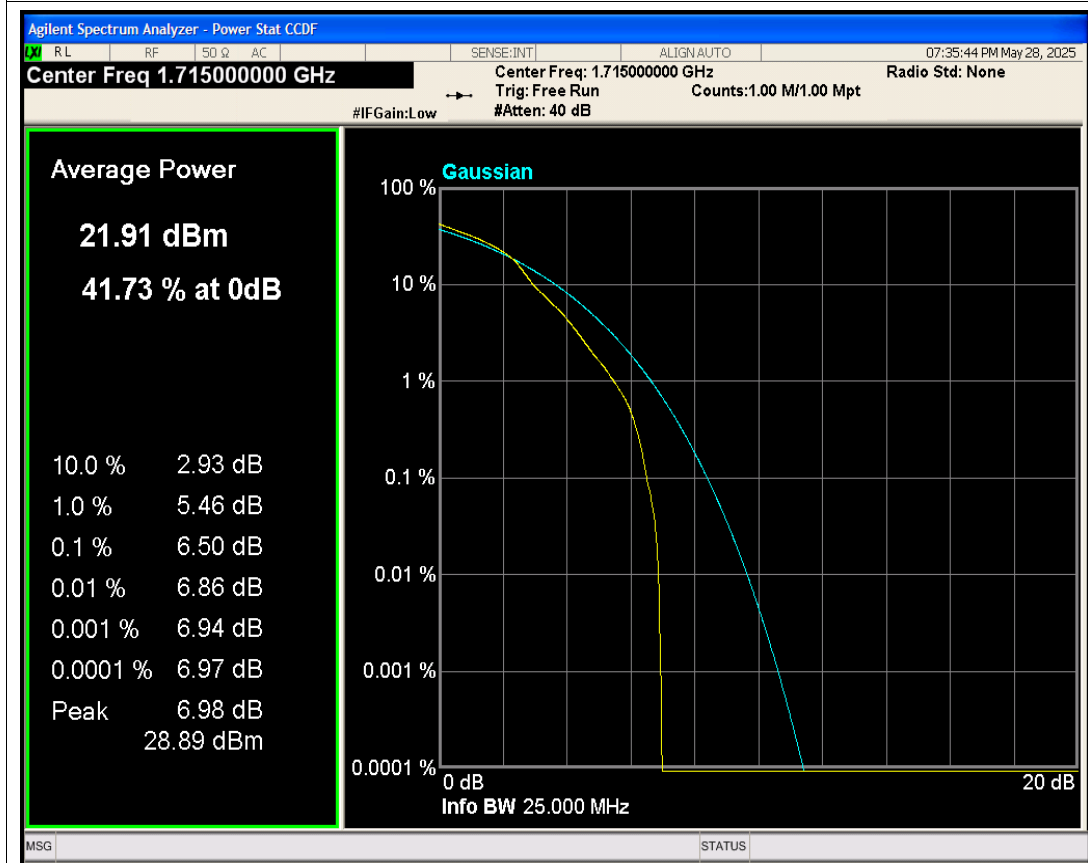
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT

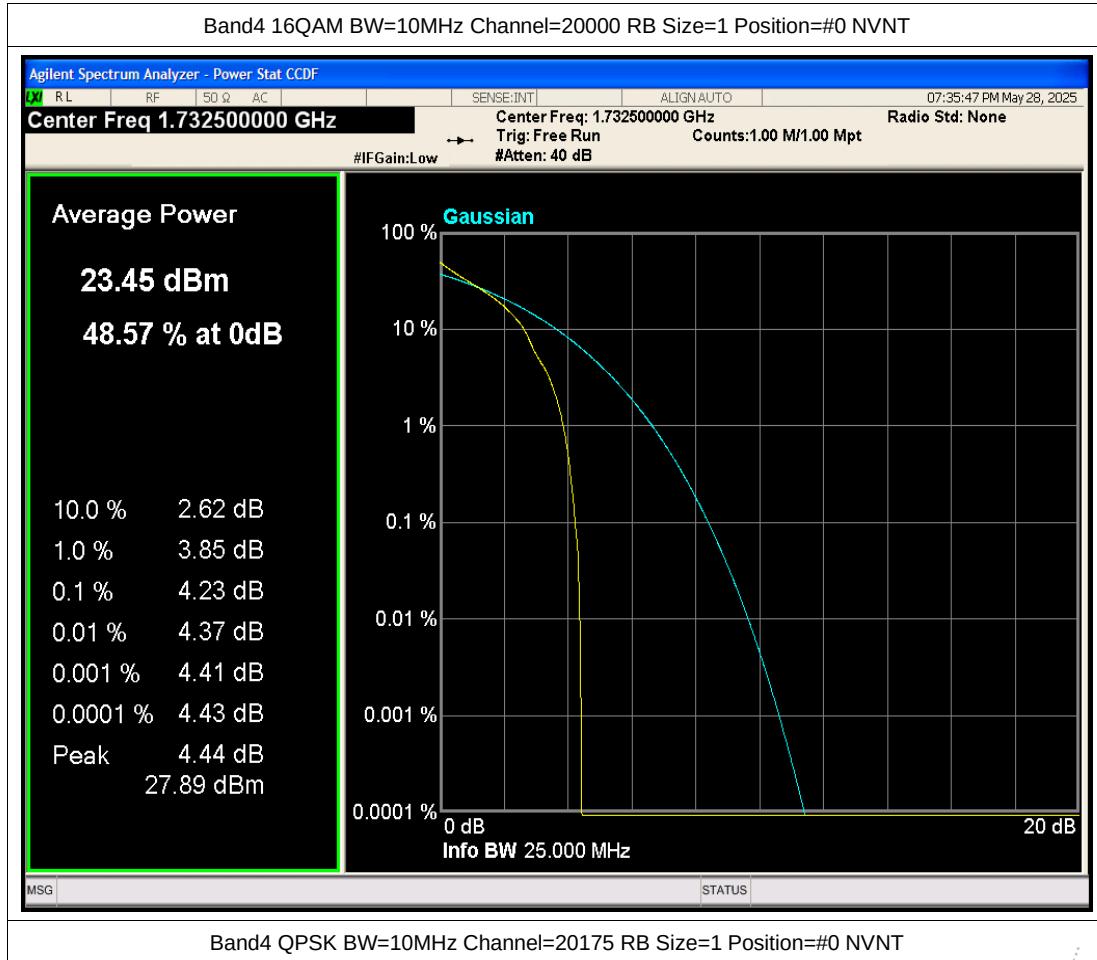


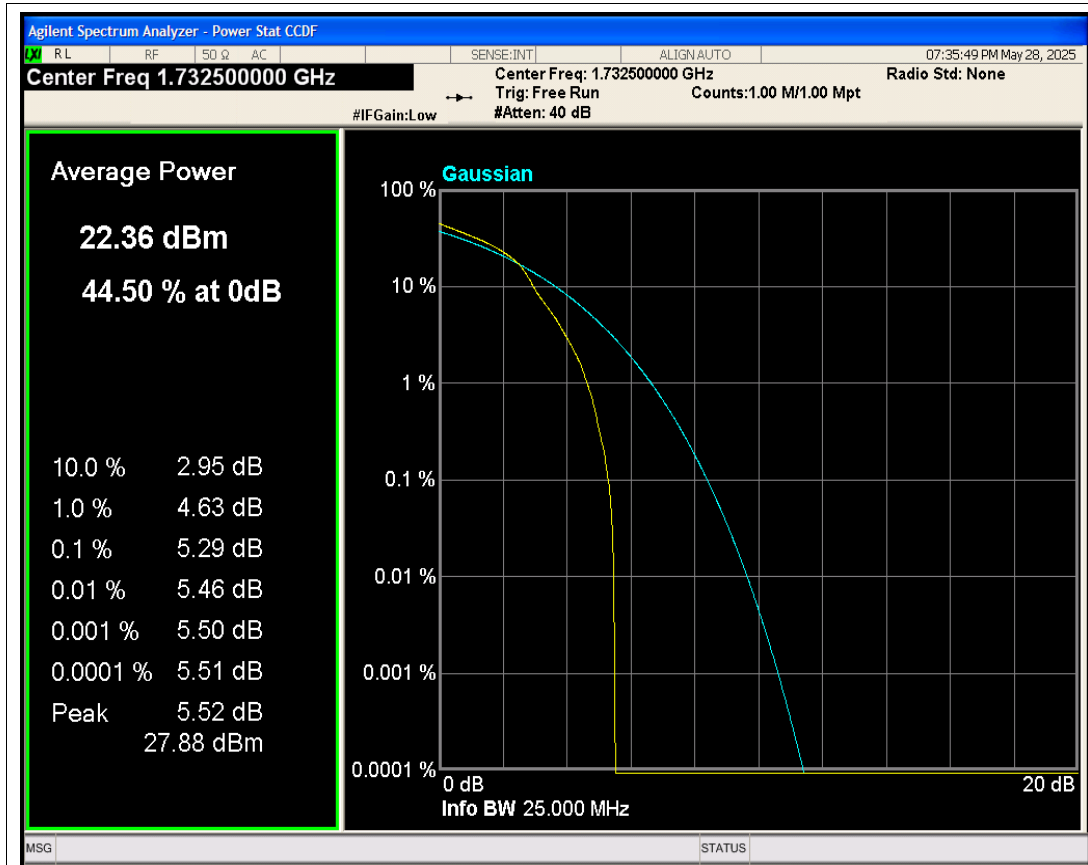




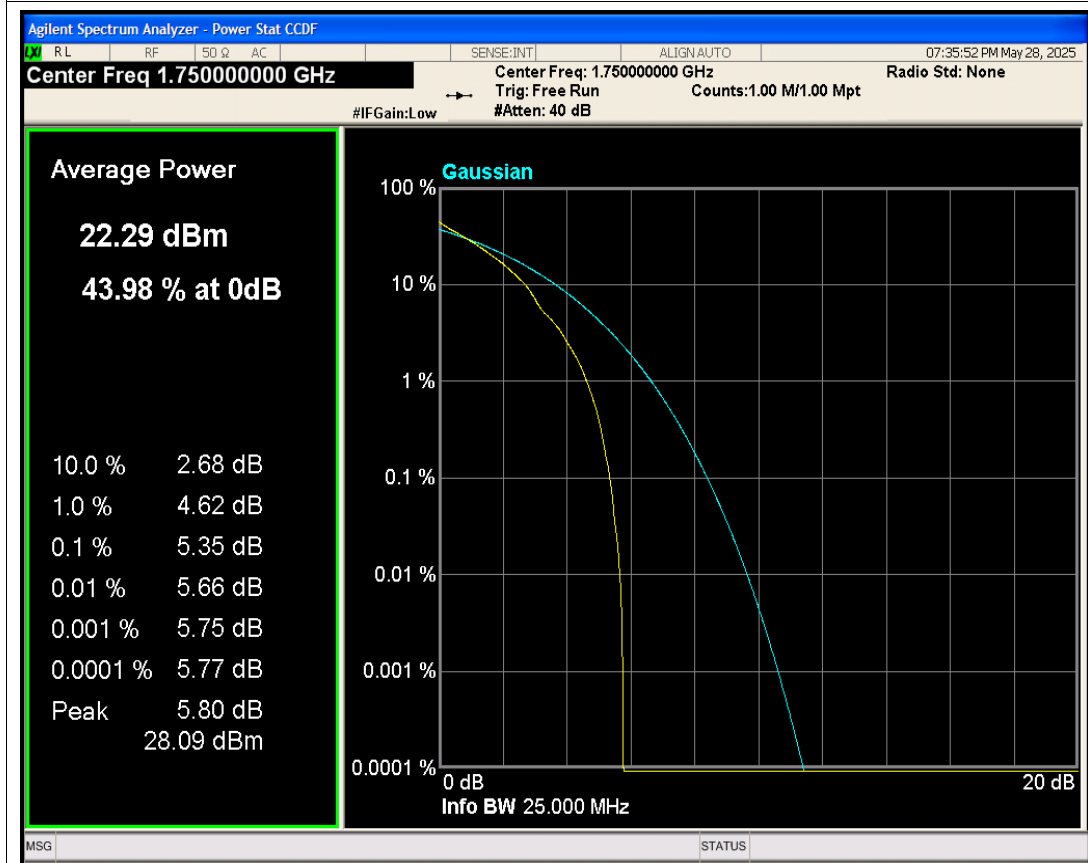
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT

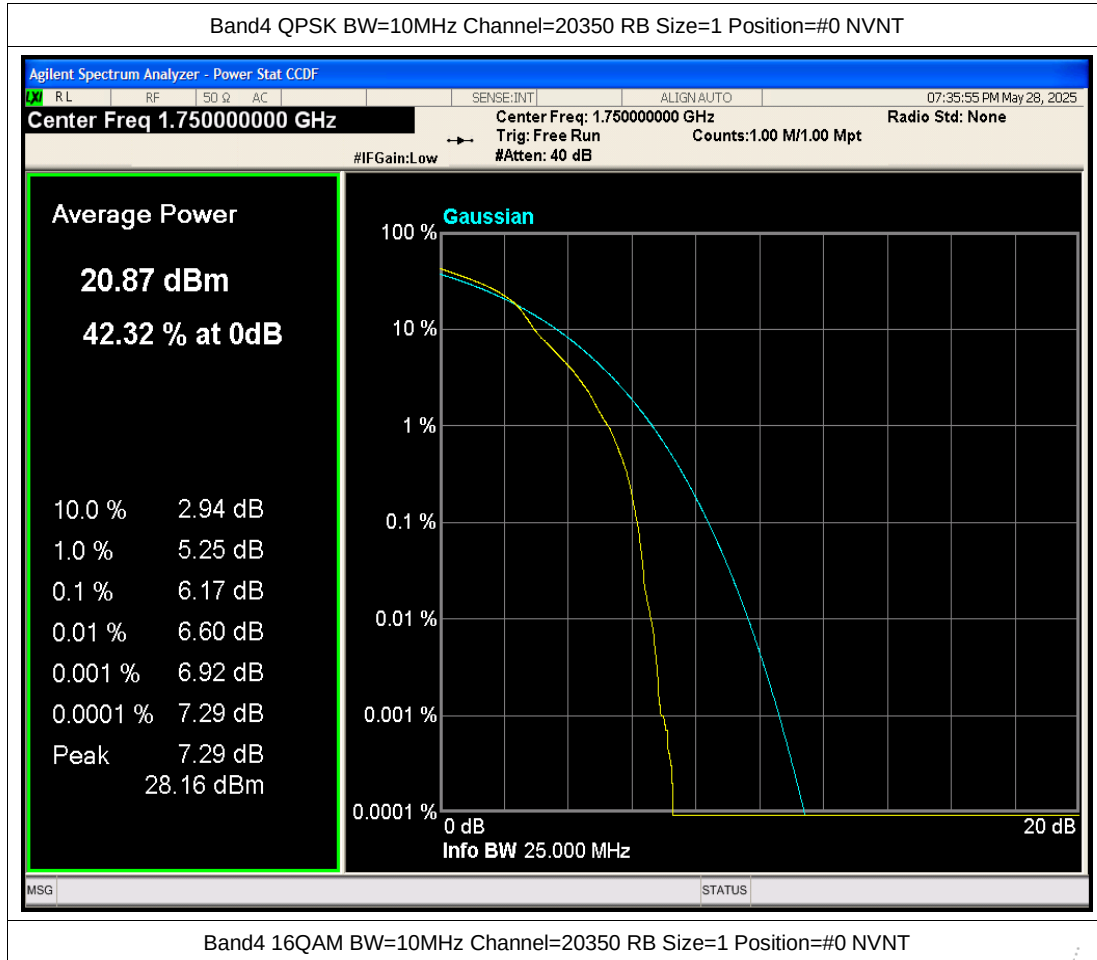


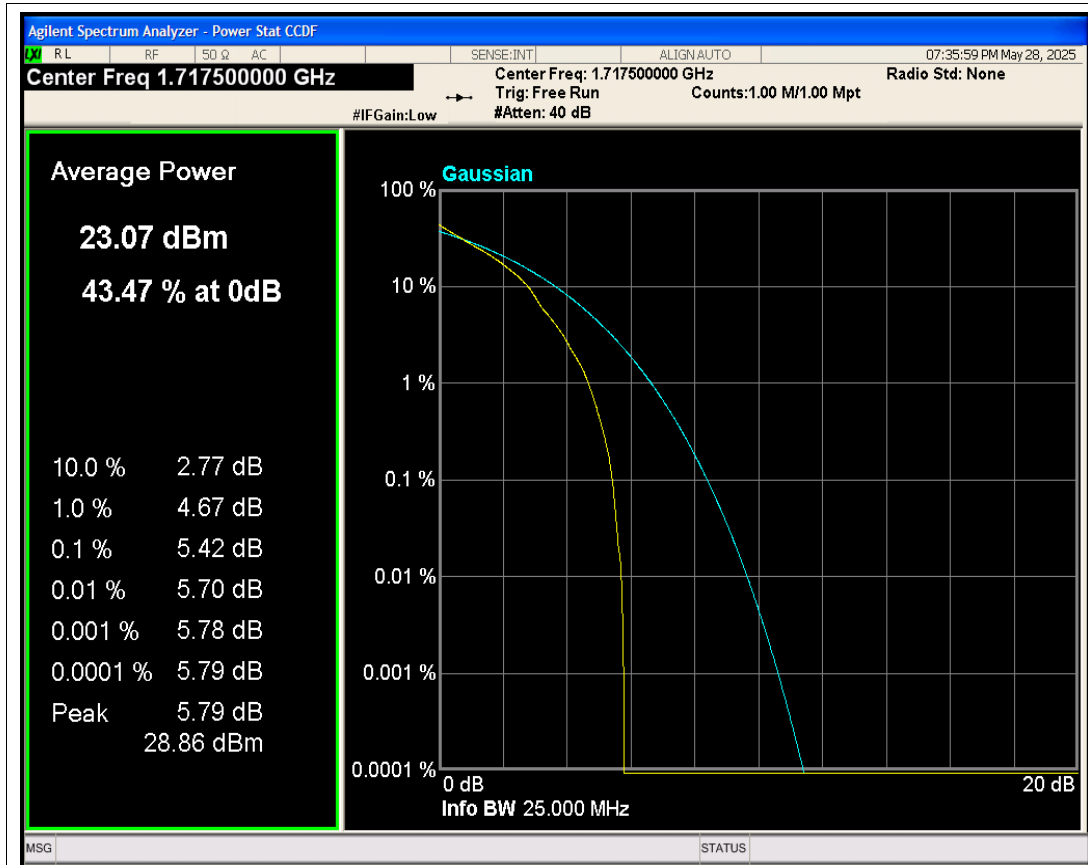




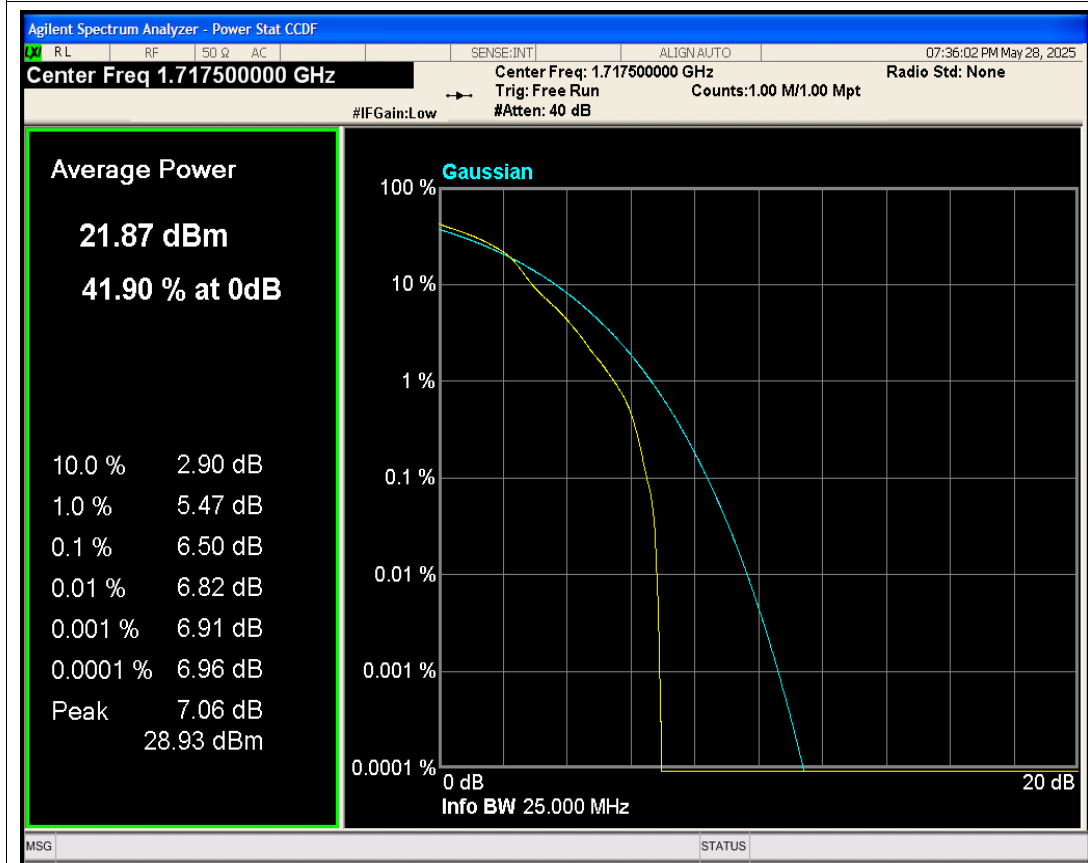
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT

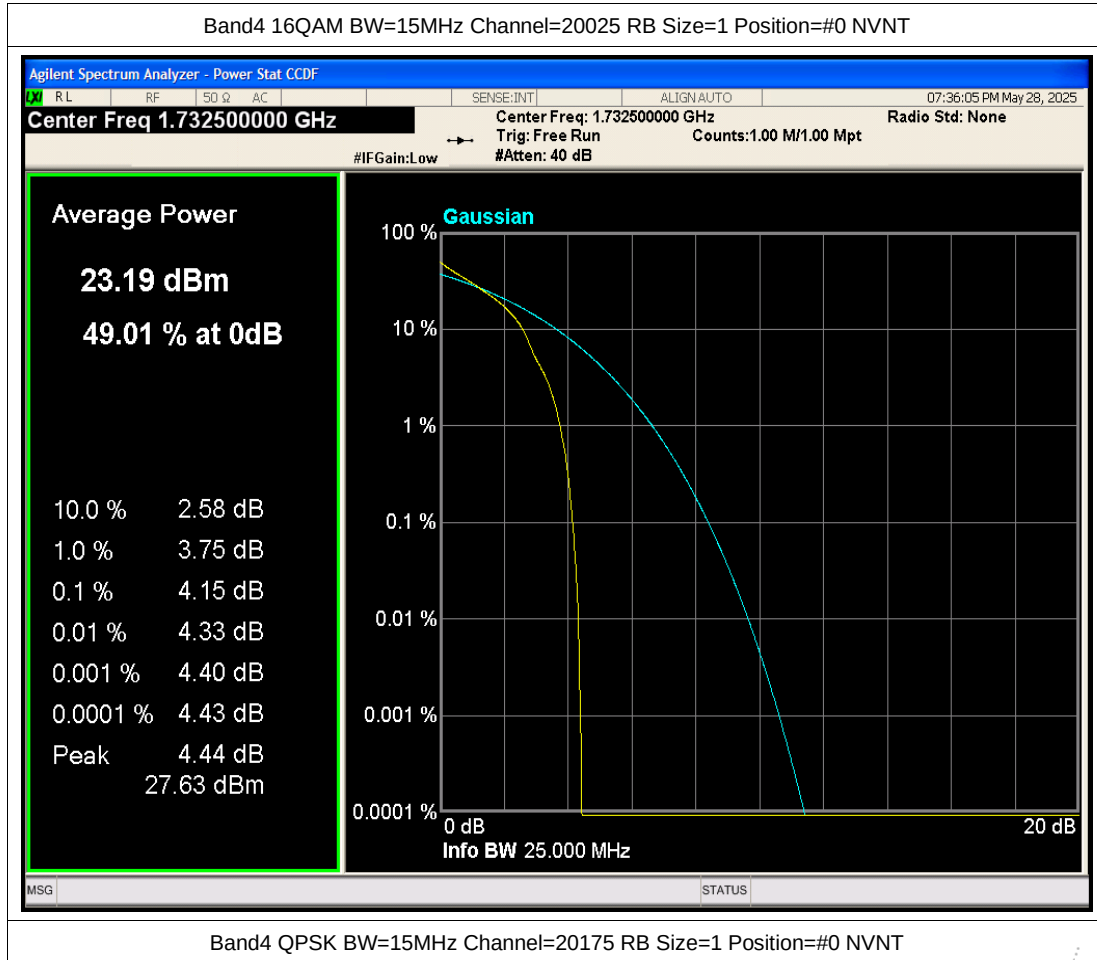


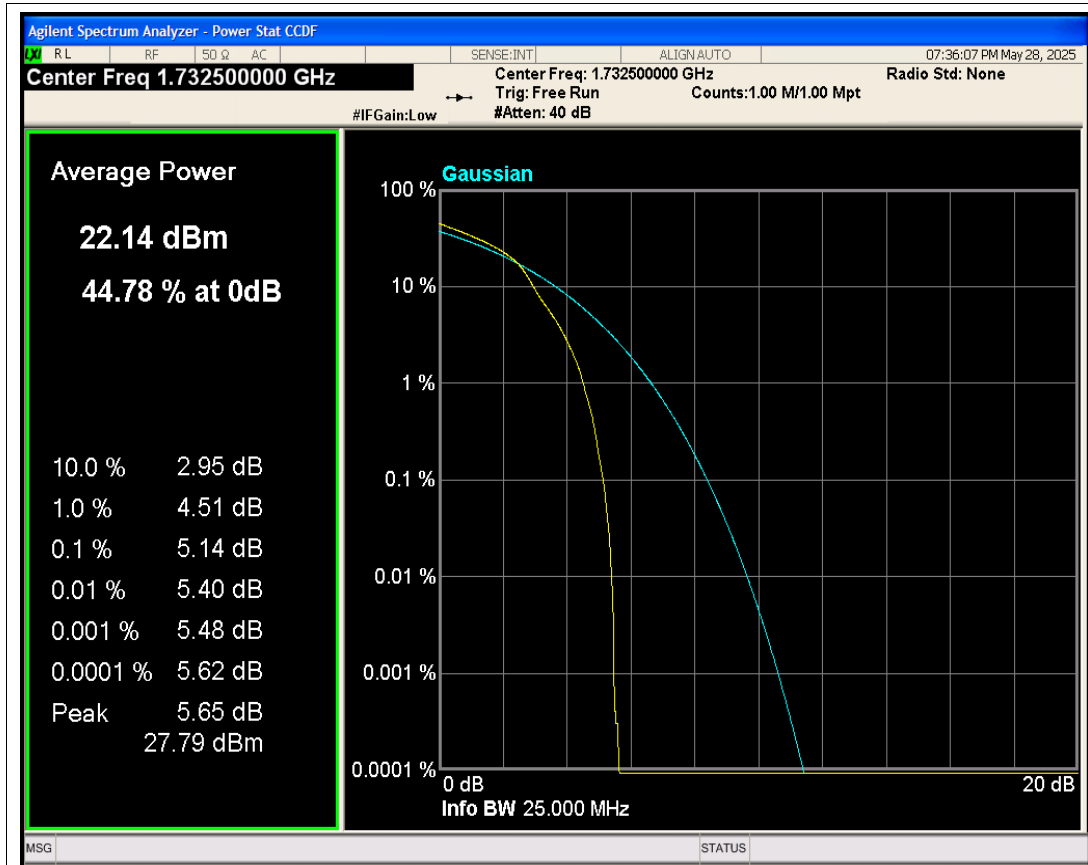




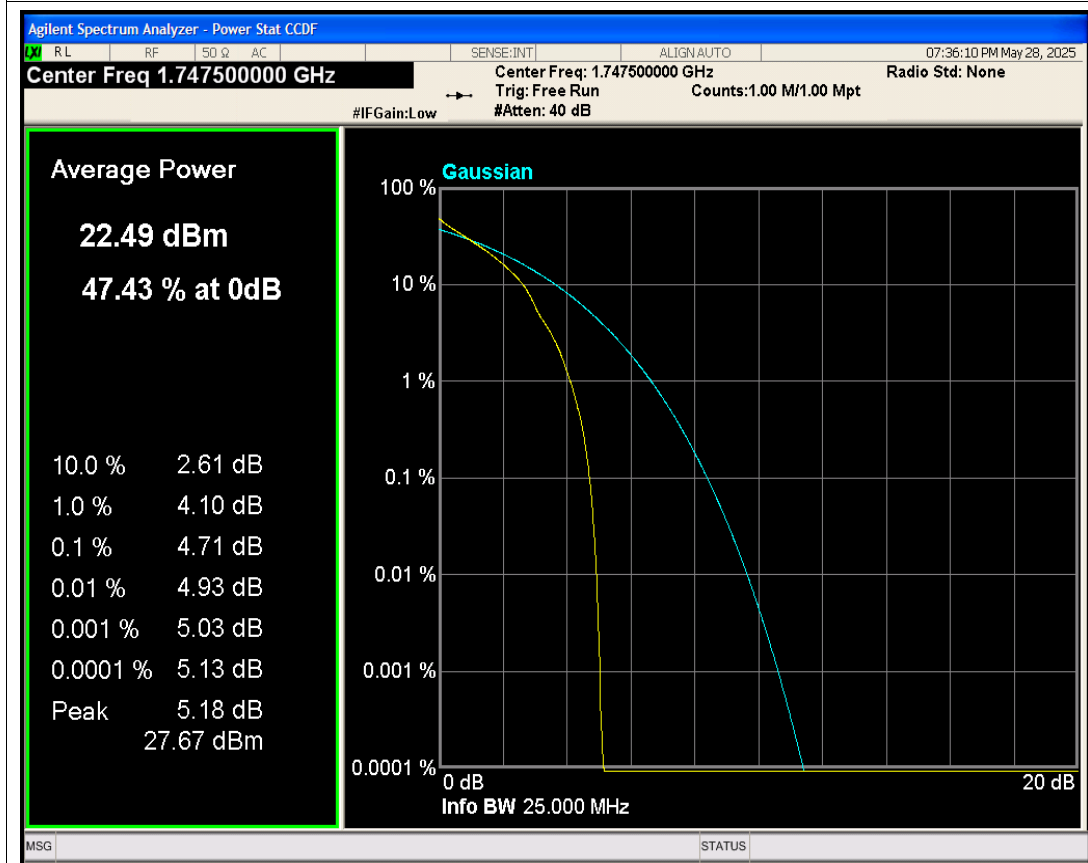
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT

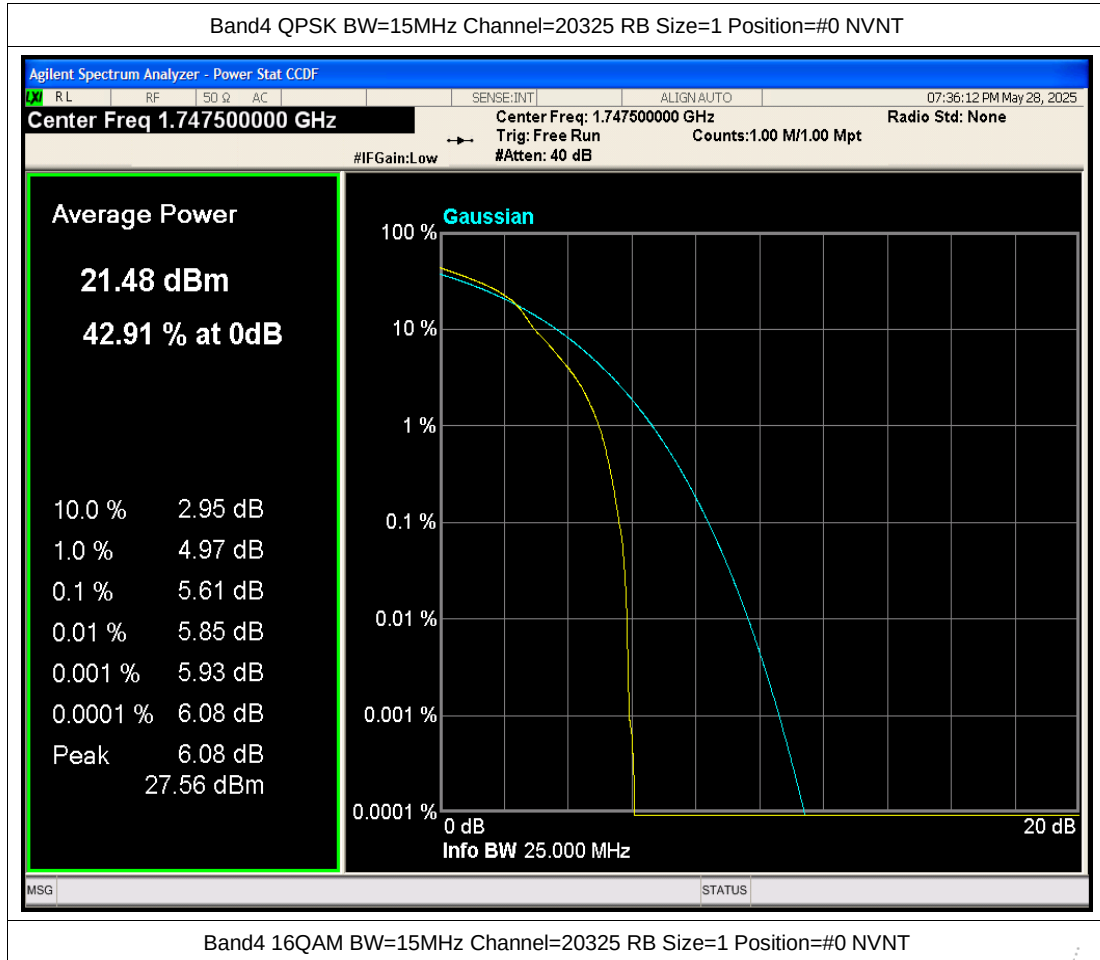


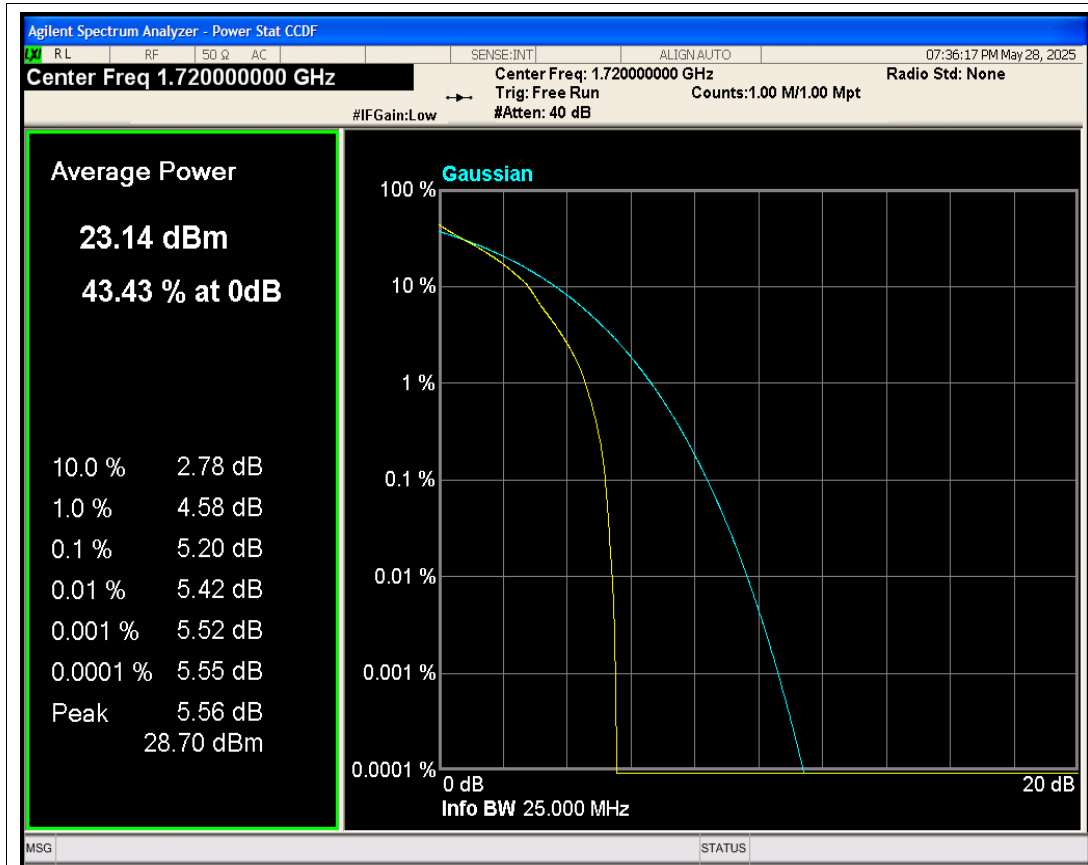




Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT







Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT

