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## Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

| Band  | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Size | RB<br>Position | Modulation | Power<br>(dBm) | Gain<br>(dBm) | EIRP<br>(dBm) | Verdict |
|-------|--------------------|---------------|------------|----------------|------------|----------------|---------------|---------------|---------|
| Band2 | 1.4                | 18607         | 1          | #0             | QPSK       | 24.06          | -3.54         | 20.52         | PASS    |
| Band2 | 1.4                | 18607         | 1          | #Mid           | QPSK       | 24.08          | -3.54         | 20.54         | PASS    |
| Band2 | 1.4                | 18607         | 1          | #Max           | QPSK       | 24.03          | -3.54         | 20.49         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #0             | QPSK       | 23.88          | -3.54         | 20.34         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #Mid           | QPSK       | 23.88          | -3.54         | 20.34         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #Max           | QPSK       | 23.88          | -3.54         | 20.34         | PASS    |
| Band2 | 1.4                | 18607         | 6          | #0             | QPSK       | 22.79          | -3.54         | 19.25         | PASS    |
| Band2 | 1.4                | 18607         | 1          | #0             | 16QAM      | 22.95          | -3.54         | 19.41         | PASS    |
| Band2 | 1.4                | 18607         | 1          | #Mid           | 16QAM      | 22.96          | -3.54         | 19.42         | PASS    |
| Band2 | 1.4                | 18607         | 1          | #Max           | 16QAM      | 23.00          | -3.54         | 19.46         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #0             | 16QAM      | 22.94          | -3.54         | 19.40         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #Mid           | 16QAM      | 22.94          | -3.54         | 19.40         | PASS    |
| Band2 | 1.4                | 18607         | 3          | #Max           | 16QAM      | 22.92          | -3.54         | 19.38         | PASS    |
| Band2 | 1.4                | 18607         | 6          | #0             | 16QAM      | 21.96          | -3.54         | 18.42         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #0             | QPSK       | 23.91          | -3.54         | 20.37         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #Mid           | QPSK       | 23.88          | -3.54         | 20.34         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #Max           | QPSK       | 23.74          | -3.54         | 20.20         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #0             | QPSK       | 23.84          | -3.54         | 20.30         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #Mid           | QPSK       | 23.79          | -3.54         | 20.25         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #Max           | QPSK       | 23.73          | -3.54         | 20.19         | PASS    |
| Band2 | 1.4                | 18900         | 6          | #0             | QPSK       | 22.68          | -3.54         | 19.14         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #0             | 16QAM      | 22.96          | -3.54         | 19.42         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #Mid           | 16QAM      | 22.89          | -3.54         | 19.35         | PASS    |
| Band2 | 1.4                | 18900         | 1          | #Max           | 16QAM      | 22.84          | -3.54         | 19.30         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #0             | 16QAM      | 22.93          | -3.54         | 19.39         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #Mid           | 16QAM      | 22.92          | -3.54         | 19.38         | PASS    |
| Band2 | 1.4                | 18900         | 3          | #Max           | 16QAM      | 22.86          | -3.54         | 19.32         | PASS    |
| Band2 | 1.4                | 18900         | 6          | #0             | 16QAM      | 21.88          | -3.54         | 18.34         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #0             | QPSK       | 22.58          | -3.54         | 19.04         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #Mid           | QPSK       | 22.55          | -3.54         | 19.01         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #Max           | QPSK       | 22.54          | -3.54         | 19.00         | PASS    |
| Band2 | 1.4                | 19193         | 3          | #0             | QPSK       | 22.39          | -3.54         | 18.85         | PASS    |
| Band2 | 1.4                | 19193         | 3          | #Mid           | QPSK       | 22.36          | -3.54         | 18.82         | PASS    |
| Band2 | 1.4                | 19193         | 3          | #Max           | QPSK       | 22.42          | -3.54         | 18.88         | PASS    |
| Band2 | 1.4                | 19193         | 6          | #0             | QPSK       | 21.18          | -3.54         | 17.64         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #0             | 16QAM      | 21.11          | -3.54         | 17.57         | PASS    |
| Band2 | 1.4                | 19193         | 1          | #Mid           | 16QAM      | 21.06          | -3.54         | 17.52         | PASS    |

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|       |     |       |    |      |       |       |       |       |      |
|-------|-----|-------|----|------|-------|-------|-------|-------|------|
| Band2 | 1.4 | 19193 | 1  | #Max | 16QAM | 21.17 | -3.54 | 17.63 | PASS |
| Band2 | 1.4 | 19193 | 3  | #0   | 16QAM | 21.30 | -3.54 | 17.76 | PASS |
| Band2 | 1.4 | 19193 | 3  | #Mid | 16QAM | 21.26 | -3.54 | 17.72 | PASS |
| Band2 | 1.4 | 19193 | 3  | #Max | 16QAM | 21.37 | -3.54 | 17.83 | PASS |
| Band2 | 1.4 | 19193 | 6  | #0   | 16QAM | 20.41 | -3.54 | 16.87 | PASS |
| Band2 | 3   | 18615 | 1  | #0   | QPSK  | 23.52 | -3.54 | 19.98 | PASS |
| Band2 | 3   | 18615 | 1  | #Mid | QPSK  | 23.52 | -3.54 | 19.98 | PASS |
| Band2 | 3   | 18615 | 1  | #Max | QPSK  | 23.42 | -3.54 | 19.88 | PASS |
| Band2 | 3   | 18615 | 8  | #0   | QPSK  | 22.45 | -3.54 | 18.91 | PASS |
| Band2 | 3   | 18615 | 8  | #Mid | QPSK  | 22.43 | -3.54 | 18.89 | PASS |
| Band2 | 3   | 18615 | 8  | #Max | QPSK  | 22.39 | -3.54 | 18.85 | PASS |
| Band2 | 3   | 18615 | 15 | #0   | QPSK  | 22.37 | -3.54 | 18.83 | PASS |
| Band2 | 3   | 18615 | 1  | #0   | 16QAM | 22.79 | -3.54 | 19.25 | PASS |
| Band2 | 3   | 18615 | 1  | #Mid | 16QAM | 22.87 | -3.54 | 19.33 | PASS |
| Band2 | 3   | 18615 | 1  | #Max | 16QAM | 22.74 | -3.54 | 19.20 | PASS |
| Band2 | 3   | 18615 | 8  | #0   | 16QAM | 21.45 | -3.54 | 17.91 | PASS |
| Band2 | 3   | 18615 | 8  | #Mid | 16QAM | 21.47 | -3.54 | 17.93 | PASS |
| Band2 | 3   | 18615 | 8  | #Max | 16QAM | 21.44 | -3.54 | 17.90 | PASS |
| Band2 | 3   | 18615 | 15 | #0   | 16QAM | 21.44 | -3.54 | 17.90 | PASS |
| Band2 | 3   | 18900 | 1  | #0   | QPSK  | 23.63 | -3.54 | 20.09 | PASS |
| Band2 | 3   | 18900 | 1  | #Mid | QPSK  | 23.54 | -3.54 | 20.00 | PASS |
| Band2 | 3   | 18900 | 1  | #Max | QPSK  | 23.16 | -3.54 | 19.62 | PASS |
| Band2 | 3   | 18900 | 8  | #0   | QPSK  | 22.49 | -3.54 | 18.95 | PASS |
| Band2 | 3   | 18900 | 8  | #Mid | QPSK  | 22.45 | -3.54 | 18.91 | PASS |
| Band2 | 3   | 18900 | 8  | #Max | QPSK  | 22.30 | -3.54 | 18.76 | PASS |
| Band2 | 3   | 18900 | 15 | #0   | QPSK  | 22.39 | -3.54 | 18.85 | PASS |
| Band2 | 3   | 18900 | 1  | #0   | 16QAM | 22.73 | -3.54 | 19.19 | PASS |
| Band2 | 3   | 18900 | 1  | #Mid | 16QAM | 22.68 | -3.54 | 19.14 | PASS |
| Band2 | 3   | 18900 | 1  | #Max | 16QAM | 22.29 | -3.54 | 18.75 | PASS |
| Band2 | 3   | 18900 | 8  | #0   | 16QAM | 21.56 | -3.54 | 18.02 | PASS |
| Band2 | 3   | 18900 | 8  | #Mid | 16QAM | 21.54 | -3.54 | 18.00 | PASS |
| Band2 | 3   | 18900 | 8  | #Max | 16QAM | 21.37 | -3.54 | 17.83 | PASS |
| Band2 | 3   | 18900 | 15 | #0   | 16QAM | 21.45 | -3.54 | 17.91 | PASS |
| Band2 | 3   | 19185 | 1  | #0   | QPSK  | 23.50 | -3.54 | 19.96 | PASS |
| Band2 | 3   | 19185 | 1  | #Mid | QPSK  | 22.39 | -3.54 | 18.85 | PASS |
| Band2 | 3   | 19185 | 1  | #Max | QPSK  | 22.30 | -3.54 | 18.76 | PASS |
| Band2 | 3   | 19185 | 8  | #0   | QPSK  | 22.26 | -3.54 | 18.72 | PASS |
| Band2 | 3   | 19185 | 8  | #Mid | QPSK  | 21.99 | -3.54 | 18.45 | PASS |
| Band2 | 3   | 19185 | 8  | #Max | QPSK  | 21.01 | -3.54 | 17.47 | PASS |
| Band2 | 3   | 19185 | 15 | #0   | QPSK  | 21.70 | -3.54 | 18.16 | PASS |
| Band2 | 3   | 19185 | 1  | #0   | 16QAM | 22.29 | -3.54 | 18.75 | PASS |
| Band2 | 3   | 19185 | 1  | #Mid | 16QAM | 21.69 | -3.54 | 18.15 | PASS |
| Band2 | 3   | 19185 | 1  | #Max | 16QAM | 20.87 | -3.54 | 17.33 | PASS |
| Band2 | 3   | 19185 | 8  | #0   | 16QAM | 21.23 | -3.54 | 17.69 | PASS |

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|       |   |       |    |      |       |       |       |       |      |
|-------|---|-------|----|------|-------|-------|-------|-------|------|
| Band2 | 3 | 19185 | 8  | #Mid | 16QAM | 21.08 | -3.54 | 17.54 | PASS |
| Band2 | 3 | 19185 | 8  | #Max | 16QAM | 20.44 | -3.54 | 16.90 | PASS |
| Band2 | 3 | 19185 | 15 | #0   | 16QAM | 20.99 | -3.54 | 17.45 | PASS |
| Band2 | 5 | 18625 | 1  | #0   | QPSK  | 23.46 | -3.54 | 19.92 | PASS |
| Band2 | 5 | 18625 | 1  | #Mid | QPSK  | 23.48 | -3.54 | 19.94 | PASS |
| Band2 | 5 | 18625 | 1  | #Max | QPSK  | 23.27 | -3.54 | 19.73 | PASS |
| Band2 | 5 | 18625 | 12 | #0   | QPSK  | 22.16 | -3.54 | 18.62 | PASS |
| Band2 | 5 | 18625 | 12 | #Mid | QPSK  | 22.29 | -3.54 | 18.75 | PASS |
| Band2 | 5 | 18625 | 12 | #Max | QPSK  | 22.08 | -3.54 | 18.54 | PASS |
| Band2 | 5 | 18625 | 25 | #0   | QPSK  | 22.17 | -3.54 | 18.63 | PASS |
| Band2 | 5 | 18625 | 1  | #0   | 16QAM | 22.90 | -3.54 | 19.36 | PASS |
| Band2 | 5 | 18625 | 1  | #Mid | 16QAM | 22.88 | -3.54 | 19.34 | PASS |
| Band2 | 5 | 18625 | 1  | #Max | 16QAM | 22.69 | -3.54 | 19.15 | PASS |
| Band2 | 5 | 18625 | 12 | #0   | 16QAM | 21.19 | -3.54 | 17.65 | PASS |
| Band2 | 5 | 18625 | 12 | #Mid | 16QAM | 21.32 | -3.54 | 17.78 | PASS |
| Band2 | 5 | 18625 | 12 | #Max | 16QAM | 21.18 | -3.54 | 17.64 | PASS |
| Band2 | 5 | 18625 | 25 | #0   | 16QAM | 21.17 | -3.54 | 17.63 | PASS |
| Band2 | 5 | 18900 | 1  | #0   | QPSK  | 23.61 | -3.54 | 20.07 | PASS |
| Band2 | 5 | 18900 | 1  | #Mid | QPSK  | 23.46 | -3.54 | 19.92 | PASS |
| Band2 | 5 | 18900 | 1  | #Max | QPSK  | 23.09 | -3.54 | 19.55 | PASS |
| Band2 | 5 | 18900 | 12 | #0   | QPSK  | 22.33 | -3.54 | 18.79 | PASS |
| Band2 | 5 | 18900 | 12 | #Mid | QPSK  | 22.30 | -3.54 | 18.76 | PASS |
| Band2 | 5 | 18900 | 12 | #Max | QPSK  | 21.98 | -3.54 | 18.44 | PASS |
| Band2 | 5 | 18900 | 25 | #0   | QPSK  | 22.18 | -3.54 | 18.64 | PASS |
| Band2 | 5 | 18900 | 1  | #0   | 16QAM | 22.80 | -3.54 | 19.26 | PASS |
| Band2 | 5 | 18900 | 1  | #Mid | 16QAM | 22.68 | -3.54 | 19.14 | PASS |
| Band2 | 5 | 18900 | 1  | #Max | 16QAM | 22.36 | -3.54 | 18.82 | PASS |
| Band2 | 5 | 18900 | 12 | #0   | 16QAM | 21.38 | -3.54 | 17.84 | PASS |
| Band2 | 5 | 18900 | 12 | #Mid | 16QAM | 21.37 | -3.54 | 17.83 | PASS |
| Band2 | 5 | 18900 | 12 | #Max | 16QAM | 21.05 | -3.54 | 17.51 | PASS |
| Band2 | 5 | 18900 | 25 | #0   | 16QAM | 21.29 | -3.54 | 17.75 | PASS |
| Band2 | 5 | 19175 | 1  | #0   | QPSK  | 23.72 | -3.54 | 20.18 | PASS |
| Band2 | 5 | 19175 | 1  | #Mid | QPSK  | 23.23 | -3.54 | 19.69 | PASS |
| Band2 | 5 | 19175 | 1  | #Max | QPSK  | 22.26 | -3.54 | 18.72 | PASS |
| Band2 | 5 | 19175 | 12 | #0   | QPSK  | 22.37 | -3.54 | 18.83 | PASS |
| Band2 | 5 | 19175 | 12 | #Mid | QPSK  | 22.36 | -3.54 | 18.82 | PASS |
| Band2 | 5 | 19175 | 12 | #Max | QPSK  | 21.40 | -3.54 | 17.86 | PASS |
| Band2 | 5 | 19175 | 25 | #0   | QPSK  | 22.06 | -3.54 | 18.52 | PASS |
| Band2 | 5 | 19175 | 1  | #0   | 16QAM | 22.92 | -3.54 | 19.38 | PASS |
| Band2 | 5 | 19175 | 1  | #Mid | 16QAM | 22.60 | -3.54 | 19.06 | PASS |
| Band2 | 5 | 19175 | 1  | #Max | 16QAM | 21.23 | -3.54 | 17.69 | PASS |
| Band2 | 5 | 19175 | 12 | #0   | 16QAM | 21.29 | -3.54 | 17.75 | PASS |
| Band2 | 5 | 19175 | 12 | #Mid | 16QAM | 21.33 | -3.54 | 17.79 | PASS |
| Band2 | 5 | 19175 | 12 | #Max | 16QAM | 20.68 | -3.54 | 17.14 | PASS |

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|       |    |       |    |      |       |        |       |        |      |
|-------|----|-------|----|------|-------|--------|-------|--------|------|
| Band2 | 5  | 19175 | 25 | #0   | 16QAM | 21.04  | -3.54 | 17.50  | PASS |
| Band2 | 10 | 18650 | 1  | #0   | QPSK  | 23.41  | -3.54 | 19.87  | PASS |
| Band2 | 10 | 18650 | 1  | #Mid | QPSK  | 23.27  | -3.54 | 19.73  | PASS |
| Band2 | 10 | 18650 | 1  | #Max | QPSK  | 23.07  | -3.54 | 19.53  | PASS |
| Band2 | 10 | 18650 | 25 | #0   | QPSK  | 21.94  | -3.54 | 18.40  | PASS |
| Band2 | 10 | 18650 | 25 | #Mid | QPSK  | 22.05  | -3.54 | 18.51  | PASS |
| Band2 | 10 | 18650 | 25 | #Max | QPSK  | 21.83  | -3.54 | 18.29  | PASS |
| Band2 | 10 | 18650 | 50 | #0   | QPSK  | 21.85  | -3.54 | 18.31  | PASS |
| Band2 | 10 | 18900 | 1  | #0   | QPSK  | 23.57  | -3.54 | 20.03  | PASS |
| Band2 | 10 | 18900 | 1  | #Mid | QPSK  | 23.34  | -3.54 | 19.80  | PASS |
| Band2 | 10 | 18900 | 1  | #Max | QPSK  | 22.90  | -3.54 | 19.36  | PASS |
| Band2 | 10 | 18900 | 25 | #0   | QPSK  | 22.16  | -3.54 | 18.62  | PASS |
| Band2 | 10 | 18900 | 25 | #Mid | QPSK  | 22.10  | -3.54 | 18.56  | PASS |
| Band2 | 10 | 18900 | 25 | #Max | QPSK  | 21.66  | -3.54 | 18.12  | PASS |
| Band2 | 10 | 18900 | 50 | #0   | QPSK  | 21.92  | -3.54 | 18.38  | PASS |
| Band2 | 10 | 19150 | 1  | #0   | QPSK  | 23.34  | -3.54 | 19.80  | PASS |
| Band2 | 10 | 19150 | 1  | #Mid | QPSK  | 23.62  | -3.54 | 20.08  | PASS |
| Band2 | 10 | 19150 | 1  | #Max | QPSK  | 22.30  | -3.54 | 18.76  | PASS |
| Band2 | 10 | 19150 | 25 | #0   | QPSK  | 21.86  | -3.54 | 18.32  | PASS |
| Band2 | 10 | 19150 | 25 | #Mid | QPSK  | 22.25  | -3.54 | 18.71  | PASS |
| Band2 | 10 | 19150 | 25 | #Max | QPSK  | 21.86  | -3.54 | 18.32  | PASS |
| Band2 | 10 | 19150 | 50 | #0   | QPSK  | 21.93  | -3.54 | 18.39  | PASS |
| Band2 | 15 | 18675 | 1  | #0   | QPSK  | 23.34  | -3.54 | 19.80  | PASS |
| Band2 | 15 | 18675 | 1  | #Mid | QPSK  | 23.26  | -3.54 | 19.72  | PASS |
| Band2 | 15 | 18675 | 1  | #Max | QPSK  | 23.00  | -3.54 | 19.46  | PASS |
| Band2 | 15 | 18675 | 36 | #0   | QPSK  | 21.99  | -3.54 | 18.45  | PASS |
| Band2 | 15 | 18675 | 36 | #Mid | QPSK  | 22.10  | -3.54 | 18.56  | PASS |
| Band2 | 15 | 18675 | 36 | #Max | QPSK  | 21.87  | -3.54 | 18.33  | PASS |
| Band2 | 15 | 18675 | 75 | #0   | QPSK  | 23.07  | -3.54 | 19.53  | PASS |
| Band2 | 15 | 18900 | 1  | #0   | QPSK  | 24.00  | -3.54 | 20.46  | PASS |
| Band2 | 15 | 18900 | 1  | #Mid | QPSK  | 23.78  | -3.54 | 20.24  | PASS |
| Band2 | 15 | 18900 | 1  | #Max | QPSK  | 22.95  | -3.54 | 19.41  | PASS |
| Band2 | 15 | 18900 | 36 | #0   | QPSK  | 22.72  | -3.54 | 19.18  | PASS |
| Band2 | 15 | 18900 | 36 | #Mid | QPSK  | 22.54  | -3.54 | 19.00  | PASS |
| Band2 | 15 | 18900 | 36 | #Max | QPSK  | 22.02  | -3.54 | 18.48  | PASS |
| Band2 | 15 | 18900 | 75 | #0   | QPSK  | 23.30  | -3.54 | 19.76  | PASS |
| Band2 | 15 | 19125 | 1  | #0   | QPSK  | 22.83  | -3.54 | 19.29  | PASS |
| Band2 | 15 | 19125 | 1  | #Mid | QPSK  | 23.53  | -3.54 | 19.99  | PASS |
| Band2 | 15 | 19125 | 1  | #Max | QPSK  | 22.33  | -3.54 | 18.79  | PASS |
| Band2 | 15 | 19125 | 36 | #0   | QPSK  | 21.85  | -3.54 | 18.31  | PASS |
| Band2 | 15 | 19125 | 36 | #Mid | QPSK  | 22.35  | -3.54 | 18.81  | PASS |
| Band2 | 15 | 19125 | 36 | #Max | QPSK  | 22.29  | -3.54 | 18.75  | PASS |
| Band2 | 15 | 19125 | 75 | #0   | QPSK  | -21.99 | -3.54 | -25.53 | PASS |
| Band2 | 20 | 18700 | 1  | #0   | QPSK  | 23.53  | -3.54 | 19.99  | PASS |

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|       |    |       |     |      |      |        |       |        |      |
|-------|----|-------|-----|------|------|--------|-------|--------|------|
| Band2 | 20 | 18700 | 1   | #Mid | QPSK | 23.50  | -3.54 | 19.96  | PASS |
| Band2 | 20 | 18700 | 1   | #Max | QPSK | 23.51  | -3.54 | 19.97  | PASS |
| Band2 | 20 | 18700 | 50  | #0   | QPSK | 22.15  | -3.54 | 18.61  | PASS |
| Band2 | 20 | 18700 | 50  | #Mid | QPSK | 22.16  | -3.54 | 18.62  | PASS |
| Band2 | 20 | 18700 | 50  | #Max | QPSK | 22.01  | -3.54 | 18.47  | PASS |
| Band2 | 20 | 18700 | 100 | #0   | QPSK | 22.74  | -3.54 | 19.20  | PASS |
| Band2 | 20 | 18900 | 1   | #0   | QPSK | 23.70  | -3.54 | 20.16  | PASS |
| Band2 | 20 | 18900 | 1   | #Mid | QPSK | 23.62  | -3.54 | 20.08  | PASS |
| Band2 | 20 | 18900 | 1   | #Max | QPSK | 22.66  | -3.54 | 19.12  | PASS |
| Band2 | 20 | 18900 | 50  | #0   | QPSK | 22.48  | -3.54 | 18.94  | PASS |
| Band2 | 20 | 18900 | 50  | #Mid | QPSK | 22.33  | -3.54 | 18.79  | PASS |
| Band2 | 20 | 18900 | 50  | #Max | QPSK | 22.00  | -3.54 | 18.46  | PASS |
| Band2 | 20 | 18900 | 100 | #0   | QPSK | -21.88 | -3.54 | -25.42 | PASS |
| Band2 | 20 | 19100 | 1   | #0   | QPSK | 22.42  | -3.54 | 18.88  | PASS |
| Band2 | 20 | 19100 | 1   | #Mid | QPSK | 23.44  | -3.54 | 19.90  | PASS |
| Band2 | 20 | 19100 | 1   | #Max | QPSK | 22.21  | -3.54 | 18.67  | PASS |
| Band2 | 20 | 19100 | 50  | #0   | QPSK | 21.39  | -3.54 | 17.85  | PASS |
| Band2 | 20 | 19100 | 50  | #Mid | QPSK | 21.94  | -3.54 | 18.40  | PASS |
| Band2 | 20 | 19100 | 50  | #Max | QPSK | 22.14  | -3.54 | 18.60  | PASS |
| Band2 | 20 | 19100 | 100 | #0   | QPSK | 22.86  | -3.54 | 19.32  | PASS |

**Appendix 2.Frequency stability**

| <b>Band</b> | <b>Bandwidth<br/>(MHz)</b> | <b>UL<br/>Channel</b> | <b>RB<br/>Size</b> | <b>RB<br/>Position</b> | <b>Modulation</b> | <b>Voltage<br/>(Vdc)</b> | <b>Temperatue<br/>(C)</b> | <b>Result<br/>(Hz)</b> | <b>Result<br/>(ppm)</b> | <b>Verdict</b> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|--------------------------|---------------------------|------------------------|-------------------------|----------------|
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | QPSK              | LV                       | NT                        | -18.84                 | -0.010                  | PASS           |
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | QPSK              | NV                       | NT                        | -23.50                 | -0.013                  | PASS           |
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | QPSK              | HV                       | NT                        | -23.45                 | -0.013                  | PASS           |
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | 16QAM             | LV                       | NT                        | -9.64                  | -0.005                  | PASS           |
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | 16QAM             | NV                       | NT                        | -14.78                 | -0.008                  | PASS           |
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | 16QAM             | HV                       | NT                        | -21.44                 | -0.012                  | PASS           |
| Band2       | 1.4                        | 18900                 | 6                  | #0                     | QPSK              | LV                       | NT                        | -19.86                 | -0.011                  | PASS           |
| Band2       | 1.4                        | 18900                 | 6                  | #0                     | QPSK              | NV                       | NT                        | -17.50                 | -0.009                  | PASS           |
| Band2       | 1.4                        | 18900                 | 6                  | #0                     | QPSK              | HV                       | NT                        | -17.72                 | -0.009                  | PASS           |
| Band2       | 1.4                        | 18900                 | 6                  | #0                     | 16QAM             | LV                       | NT                        | -16.88                 | -0.009                  | PASS           |
| Band2       | 1.4                        | 18900                 | 6                  | #0                     | 16QAM             | NV                       | NT                        | -16.44                 | -0.009                  | PASS           |
| Band2       | 1.4                        | 18900                 | 6                  | #0                     | 16QAM             | HV                       | NT                        | -14.91                 | -0.008                  | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | QPSK              | LV                       | NT                        | -9.84                  | -0.005                  | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | QPSK              | NV                       | NT                        | -16.32                 | -0.009                  | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | QPSK              | HV                       | NT                        | -17.08                 | -0.009                  | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | 16QAM             | LV                       | NT                        | -9.07                  | -0.005                  | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | 16QAM             | NV                       | NT                        | -15.31                 | -0.008                  | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | 16QAM             | HV                       | NT                        | -18.10                 | -0.009                  | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | QPSK              | LV                       | NT                        | -4.62                  | -0.002                  | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | QPSK              | NV                       | NT                        | -11.62                 | -0.006                  | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | QPSK              | HV                       | NT                        | -9.87                  | -0.005                  | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | 16QAM             | LV                       | NT                        | -18.87                 | -0.010                  | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | 16QAM             | NV                       | NT                        | -14.22                 | -0.008                  | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | 16QAM             | HV                       | NT                        | -15.35                 | -0.008                  | PASS           |
| Band2       | 3                          | 18900                 | 15                 | #0                     | QPSK              | LV                       | NT                        | -19.27                 | -0.010                  | PASS           |
| Band2       | 3                          | 18900                 | 15                 | #0                     | QPSK              | NV                       | NT                        | -20.53                 | -0.011                  | PASS           |
| Band2       | 3                          | 18900                 | 15                 | #0                     | QPSK              | HV                       | NT                        | -6.37                  | -0.003                  | PASS           |
| Band2       | 3                          | 18900                 | 15                 | #0                     | 16QAM             | LV                       | NT                        | -11.79                 | -0.006                  | PASS           |
| Band2       | 3                          | 18900                 | 15                 | #0                     | 16QAM             | NV                       | NT                        | -17.78                 | -0.009                  | PASS           |
| Band2       | 3                          | 18900                 | 15                 | #0                     | 16QAM             | HV                       | NT                        | 0.77                   | 0.000                   | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | QPSK              | LV                       | NT                        | -19.05                 | -0.010                  | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | QPSK              | NV                       | NT                        | -15.11                 | -0.008                  | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | QPSK              | HV                       | NT                        | -22.52                 | -0.012                  | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | 16QAM             | LV                       | NT                        | -13.38                 | -0.007                  | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | 16QAM             | NV                       | NT                        | -10.27                 | -0.005                  | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | 16QAM             | HV                       | NT                        | -18.74                 | -0.010                  | PASS           |
| Band2       | 5                          | 18625                 | 25                 | #0                     | QPSK              | LV                       | NT                        | -17.15                 | -0.009                  | PASS           |
| Band2       | 5                          | 18625                 | 25                 | #0                     | QPSK              | NV                       | NT                        | -22.73                 | -0.012                  | PASS           |
| Band2       | 5                          | 18625                 | 25                 | #0                     | QPSK              | HV                       | NT                        | -19.00                 | -0.010                  | PASS           |
| Band2       | 5                          | 18625                 | 25                 | #0                     | 16QAM             | LV                       | NT                        | -13.83                 | -0.007                  | PASS           |

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|       |     |       |     |    |       |    |     |        |        |      |
|-------|-----|-------|-----|----|-------|----|-----|--------|--------|------|
| Band2 | 5   | 18625 | 25  | #0 | 16QAM | NV | NT  | -12.86 | -0.007 | PASS |
| Band2 | 5   | 18625 | 25  | #0 | 16QAM | HV | NT  | -21.03 | -0.011 | PASS |
| Band2 | 5   | 18900 | 25  | #0 | QPSK  | LV | NT  | -22.42 | -0.012 | PASS |
| Band2 | 5   | 18900 | 25  | #0 | QPSK  | NV | NT  | -4.81  | -0.003 | PASS |
| Band2 | 5   | 18900 | 25  | #0 | QPSK  | HV | NT  | -18.24 | -0.010 | PASS |
| Band2 | 5   | 18900 | 25  | #0 | 16QAM | LV | NT  | -13.49 | -0.007 | PASS |
| Band2 | 5   | 18900 | 25  | #0 | 16QAM | NV | NT  | -18.54 | -0.010 | PASS |
| Band2 | 5   | 18900 | 25  | #0 | 16QAM | HV | NT  | -7.50  | -0.004 | PASS |
| Band2 | 5   | 19175 | 25  | #0 | QPSK  | LV | NT  | -19.83 | -0.010 | PASS |
| Band2 | 5   | 19175 | 25  | #0 | QPSK  | NV | NT  | -19.61 | -0.010 | PASS |
| Band2 | 5   | 19175 | 25  | #0 | QPSK  | HV | NT  | -18.45 | -0.010 | PASS |
| Band2 | 5   | 19175 | 25  | #0 | 16QAM | LV | NT  | -12.62 | -0.007 | PASS |
| Band2 | 5   | 19175 | 25  | #0 | 16QAM | NV | NT  | -15.46 | -0.008 | PASS |
| Band2 | 5   | 19175 | 25  | #0 | 16QAM | HV | NT  | -20.70 | -0.011 | PASS |
| Band2 | 10  | 18650 | 50  | #0 | QPSK  | LV | NT  | -16.29 | -0.009 | PASS |
| Band2 | 10  | 18650 | 50  | #0 | QPSK  | NV | NT  | -20.10 | -0.011 | PASS |
| Band2 | 10  | 18650 | 50  | #0 | QPSK  | HV | NT  | -10.69 | -0.006 | PASS |
| Band2 | 10  | 18900 | 50  | #0 | QPSK  | LV | NT  | -15.71 | -0.008 | PASS |
| Band2 | 10  | 18900 | 50  | #0 | QPSK  | NV | NT  | -13.66 | -0.007 | PASS |
| Band2 | 10  | 18900 | 50  | #0 | QPSK  | HV | NT  | -11.22 | -0.006 | PASS |
| Band2 | 10  | 19150 | 50  | #0 | QPSK  | LV | NT  | -17.41 | -0.009 | PASS |
| Band2 | 10  | 19150 | 50  | #0 | QPSK  | NV | NT  | -18.91 | -0.010 | PASS |
| Band2 | 10  | 19150 | 50  | #0 | QPSK  | HV | NT  | -9.23  | -0.005 | PASS |
| Band2 | 15  | 18675 | 75  | #0 | QPSK  | LV | NT  | -7.10  | -0.004 | PASS |
| Band2 | 15  | 18675 | 75  | #0 | QPSK  | NV | NT  | -19.56 | -0.011 | PASS |
| Band2 | 15  | 18675 | 75  | #0 | QPSK  | HV | NT  | -14.43 | -0.008 | PASS |
| Band2 | 15  | 18900 | 75  | #0 | QPSK  | LV | NT  | -8.44  | -0.004 | PASS |
| Band2 | 15  | 18900 | 75  | #0 | QPSK  | NV | NT  | -13.85 | -0.007 | PASS |
| Band2 | 15  | 18900 | 75  | #0 | QPSK  | HV | NT  | -6.74  | -0.004 | PASS |
| Band2 | 15  | 19125 | 75  | #0 | QPSK  | LV | NT  | -12.10 | -0.006 | PASS |
| Band2 | 15  | 19125 | 75  | #0 | QPSK  | NV | NT  | -17.04 | -0.009 | PASS |
| Band2 | 15  | 19125 | 75  | #0 | QPSK  | HV | NT  | -19.90 | -0.010 | PASS |
| Band2 | 20  | 18700 | 100 | #0 | QPSK  | LV | NT  | -16.62 | -0.009 | PASS |
| Band2 | 20  | 18700 | 100 | #0 | QPSK  | NV | NT  | -8.87  | -0.005 | PASS |
| Band2 | 20  | 18700 | 100 | #0 | QPSK  | HV | NT  | -11.90 | -0.006 | PASS |
| Band2 | 20  | 18900 | 100 | #0 | QPSK  | LV | NT  | -15.42 | -0.008 | PASS |
| Band2 | 20  | 18900 | 100 | #0 | QPSK  | NV | NT  | -17.60 | -0.009 | PASS |
| Band2 | 20  | 18900 | 100 | #0 | QPSK  | HV | NT  | -5.34  | -0.003 | PASS |
| Band2 | 20  | 19100 | 100 | #0 | QPSK  | LV | NT  | -7.95  | -0.004 | PASS |
| Band2 | 20  | 19100 | 100 | #0 | QPSK  | NV | NT  | -7.61  | -0.004 | PASS |
| Band2 | 20  | 19100 | 100 | #0 | QPSK  | HV | NT  | -11.52 | -0.006 | PASS |
| Band2 | 1.4 | 18607 | 6   | #0 | QPSK  | NV | -30 | -19.94 | -0.011 | PASS |
| Band2 | 1.4 | 18607 | 6   | #0 | QPSK  | NV | -20 | -27.48 | -0.015 | PASS |
| Band2 | 1.4 | 18607 | 6   | #0 | QPSK  | NV | 0   | -24.00 | -0.013 | PASS |

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|       |     |       |   |    |       |    |     |        |        |      |
|-------|-----|-------|---|----|-------|----|-----|--------|--------|------|
| Band2 | 1.4 | 18607 | 6 | #0 | QPSK  | NV | 10  | -22.63 | -0.012 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | QPSK  | NV | 20  | -15.22 | -0.008 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | QPSK  | NV | 30  | -18.44 | -0.010 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | QPSK  | NV | 40  | -26.55 | -0.014 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | QPSK  | NV | 50  | -24.09 | -0.013 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | 16QAM | NV | -30 | -18.81 | -0.010 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | 16QAM | NV | -20 | -14.25 | -0.008 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | 16QAM | NV | 0   | -18.75 | -0.010 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | 16QAM | NV | 10  | -16.14 | -0.009 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | 16QAM | NV | 20  | -16.95 | -0.009 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | 16QAM | NV | 30  | -12.56 | -0.007 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | 16QAM | NV | 40  | -24.82 | -0.013 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | 16QAM | NV | 50  | -16.41 | -0.009 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | QPSK  | NV | -30 | -18.20 | -0.010 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | QPSK  | NV | -20 | -9.87  | -0.005 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | QPSK  | NV | 0   | -17.34 | -0.009 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | QPSK  | NV | 10  | -14.56 | -0.008 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | QPSK  | NV | 20  | -9.80  | -0.005 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | QPSK  | NV | 30  | -17.32 | -0.009 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | QPSK  | NV | 40  | -22.19 | -0.012 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | QPSK  | NV | 50  | -14.48 | -0.008 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | 16QAM | NV | -30 | -17.62 | -0.009 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | 16QAM | NV | -20 | -17.57 | -0.009 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | 16QAM | NV | 0   | -13.45 | -0.007 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | 16QAM | NV | 10  | -18.53 | -0.010 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | 16QAM | NV | 20  | -17.57 | -0.009 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | 16QAM | NV | 30  | -16.24 | -0.009 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | 16QAM | NV | 40  | -16.89 | -0.009 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | 16QAM | NV | 50  | -8.54  | -0.005 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | QPSK  | NV | -30 | -23.25 | -0.012 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | QPSK  | NV | -20 | -15.25 | -0.008 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | QPSK  | NV | 0   | -21.63 | -0.011 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | QPSK  | NV | 10  | -14.81 | -0.008 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | QPSK  | NV | 20  | -18.21 | -0.010 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | QPSK  | NV | 30  | -20.80 | -0.011 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | QPSK  | NV | 40  | -19.23 | -0.010 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | QPSK  | NV | 50  | 1.73   | 0.001  | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | 16QAM | NV | -30 | -12.40 | -0.006 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | 16QAM | NV | -20 | -11.23 | -0.006 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | 16QAM | NV | 0   | -9.68  | -0.005 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | 16QAM | NV | 10  | -7.84  | -0.004 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | 16QAM | NV | 20  | -17.22 | -0.009 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | 16QAM | NV | 30  | -9.38  | -0.005 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | 16QAM | NV | 40  | 3.10   | 0.002  | PASS |

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|       |     |       |    |    |       |    |     |        |        |      |
|-------|-----|-------|----|----|-------|----|-----|--------|--------|------|
| Band2 | 1.4 | 19193 | 6  | #0 | 16QAM | NV | 50  | -16.11 | -0.008 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | QPSK  | NV | -30 | -16.26 | -0.009 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | QPSK  | NV | -20 | -12.87 | -0.007 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | QPSK  | NV | 0   | -13.18 | -0.007 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | QPSK  | NV | 10  | -16.52 | -0.009 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | QPSK  | NV | 20  | 1.82   | 0.001  | PASS |
| Band2 | 3   | 18615 | 15 | #0 | QPSK  | NV | 30  | -14.45 | -0.008 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | QPSK  | NV | 40  | -12.03 | -0.006 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | QPSK  | NV | 50  | -8.90  | -0.005 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | 16QAM | NV | -30 | -16.12 | -0.009 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | 16QAM | NV | -20 | -9.17  | -0.005 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | 16QAM | NV | 0   | -8.20  | -0.004 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | 16QAM | NV | 10  | -16.09 | -0.009 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | 16QAM | NV | 20  | -7.37  | -0.004 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | 16QAM | NV | 30  | -11.14 | -0.006 | PASS |
| Band2 | 3   | 18615 | 15 | #0 | 16QAM | NV | 40  | 0.60   | 0.000  | PASS |
| Band2 | 3   | 18615 | 15 | #0 | 16QAM | NV | 50  | -9.14  | -0.005 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | QPSK  | NV | -30 | -9.86  | -0.005 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | QPSK  | NV | -20 | -10.13 | -0.005 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | QPSK  | NV | 0   | -13.93 | -0.007 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | QPSK  | NV | 10  | -14.13 | -0.008 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | QPSK  | NV | 20  | -8.54  | -0.005 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | QPSK  | NV | 30  | -0.43  | 0.000  | PASS |
| Band2 | 3   | 18900 | 15 | #0 | QPSK  | NV | 40  | -7.84  | -0.004 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | QPSK  | NV | 50  | -21.53 | -0.011 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | 16QAM | NV | -30 | -8.31  | -0.004 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | 16QAM | NV | -20 | -14.09 | -0.007 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | 16QAM | NV | 0   | 0.30   | 0.000  | PASS |
| Band2 | 3   | 18900 | 15 | #0 | 16QAM | NV | 10  | 0.93   | 0.000  | PASS |
| Band2 | 3   | 18900 | 15 | #0 | 16QAM | NV | 20  | -14.28 | -0.008 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | 16QAM | NV | 30  | -16.11 | -0.009 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | 16QAM | NV | 40  | -7.14  | -0.004 | PASS |
| Band2 | 3   | 18900 | 15 | #0 | 16QAM | NV | 50  | -9.53  | -0.005 | PASS |
| Band2 | 3   | 19185 | 15 | #0 | QPSK  | NV | -30 | 8.03   | 0.004  | PASS |
| Band2 | 3   | 19185 | 15 | #0 | QPSK  | NV | -20 | -15.46 | -0.008 | PASS |
| Band2 | 3   | 19185 | 15 | #0 | QPSK  | NV | 0   | -10.06 | -0.005 | PASS |
| Band2 | 3   | 19185 | 15 | #0 | QPSK  | NV | 10  | -12.15 | -0.006 | PASS |
| Band2 | 3   | 19185 | 15 | #0 | QPSK  | NV | 20  | -20.03 | -0.010 | PASS |
| Band2 | 3   | 19185 | 15 | #0 | QPSK  | NV | 30  | -11.00 | -0.006 | PASS |
| Band2 | 3   | 19185 | 15 | #0 | QPSK  | NV | 40  | 12.96  | 0.007  | PASS |
| Band2 | 3   | 19185 | 15 | #0 | QPSK  | NV | 50  | -12.55 | -0.007 | PASS |
| Band2 | 3   | 19185 | 15 | #0 | 16QAM | NV | -30 | -0.21  | 0.000  | PASS |
| Band2 | 3   | 19185 | 15 | #0 | 16QAM | NV | -20 | 2.88   | 0.002  | PASS |
| Band2 | 3   | 19185 | 15 | #0 | 16QAM | NV | 0   | -7.27  | -0.004 | PASS |

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|       |   |       |    |    |       |    |     |        |        |      |
|-------|---|-------|----|----|-------|----|-----|--------|--------|------|
| Band2 | 3 | 19185 | 15 | #0 | 16QAM | NV | 10  | -3.75  | -0.002 | PASS |
| Band2 | 3 | 19185 | 15 | #0 | 16QAM | NV | 20  | -7.50  | -0.004 | PASS |
| Band2 | 3 | 19185 | 15 | #0 | 16QAM | NV | 30  | 0.04   | 0.000  | PASS |
| Band2 | 3 | 19185 | 15 | #0 | 16QAM | NV | 40  | -7.58  | -0.004 | PASS |
| Band2 | 3 | 19185 | 15 | #0 | 16QAM | NV | 50  | -8.91  | -0.005 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | QPSK  | NV | -30 | -12.73 | -0.007 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | QPSK  | NV | -20 | -15.62 | -0.008 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | QPSK  | NV | 0   | -10.46 | -0.006 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | QPSK  | NV | 10  | -14.71 | -0.008 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | QPSK  | NV | 20  | -17.61 | -0.010 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | QPSK  | NV | 30  | -16.69 | -0.009 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | QPSK  | NV | 40  | -11.44 | -0.006 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | QPSK  | NV | 50  | -15.39 | -0.008 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | 16QAM | NV | -30 | -8.27  | -0.004 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | 16QAM | NV | -20 | -16.21 | -0.009 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | 16QAM | NV | 0   | 2.66   | 0.001  | PASS |
| Band2 | 5 | 18625 | 25 | #0 | 16QAM | NV | 10  | -18.40 | -0.010 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | 16QAM | NV | 20  | -17.54 | -0.009 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | 16QAM | NV | 30  | 3.03   | 0.002  | PASS |
| Band2 | 5 | 18625 | 25 | #0 | 16QAM | NV | 40  | -18.25 | -0.010 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | 16QAM | NV | 50  | -2.25  | -0.001 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | QPSK  | NV | -30 | 0.63   | 0.000  | PASS |
| Band2 | 5 | 18900 | 25 | #0 | QPSK  | NV | -20 | -15.81 | -0.008 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | QPSK  | NV | 0   | -12.37 | -0.007 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | QPSK  | NV | 10  | -9.20  | -0.005 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | QPSK  | NV | 20  | 2.17   | 0.001  | PASS |
| Band2 | 5 | 18900 | 25 | #0 | QPSK  | NV | 30  | -6.58  | -0.004 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | QPSK  | NV | 40  | -7.04  | -0.004 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | QPSK  | NV | 50  | -0.27  | 0.000  | PASS |
| Band2 | 5 | 18900 | 25 | #0 | 16QAM | NV | -30 | -11.97 | -0.006 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | 16QAM | NV | -20 | 4.99   | 0.003  | PASS |
| Band2 | 5 | 18900 | 25 | #0 | 16QAM | NV | 0   | -11.76 | -0.006 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | 16QAM | NV | 10  | -2.73  | -0.001 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | 16QAM | NV | 20  | -12.69 | -0.007 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | 16QAM | NV | 30  | 3.02   | 0.002  | PASS |
| Band2 | 5 | 18900 | 25 | #0 | 16QAM | NV | 40  | -8.24  | -0.004 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | 16QAM | NV | 50  | -5.62  | -0.003 | PASS |
| Band2 | 5 | 19175 | 25 | #0 | QPSK  | NV | -30 | -19.00 | -0.010 | PASS |
| Band2 | 5 | 19175 | 25 | #0 | QPSK  | NV | -20 | -9.53  | -0.005 | PASS |
| Band2 | 5 | 19175 | 25 | #0 | QPSK  | NV | 0   | -8.54  | -0.004 | PASS |
| Band2 | 5 | 19175 | 25 | #0 | QPSK  | NV | 10  | -10.26 | -0.005 | PASS |
| Band2 | 5 | 19175 | 25 | #0 | QPSK  | NV | 20  | -15.72 | -0.008 | PASS |
| Band2 | 5 | 19175 | 25 | #0 | QPSK  | NV | 30  | -9.58  | -0.005 | PASS |
| Band2 | 5 | 19175 | 25 | #0 | QPSK  | NV | 40  | -14.25 | -0.007 | PASS |

# Report No.: STS2512370W01\_Appendix LTE Band 2

|       |    |       |    |    |       |    |     |        |        |      |
|-------|----|-------|----|----|-------|----|-----|--------|--------|------|
| Band2 | 5  | 19175 | 25 | #0 | QPSK  | NV | 50  | -1.06  | -0.001 | PASS |
| Band2 | 5  | 19175 | 25 | #0 | 16QAM | NV | -30 | -11.64 | -0.006 | PASS |
| Band2 | 5  | 19175 | 25 | #0 | 16QAM | NV | -20 | -3.98  | -0.002 | PASS |
| Band2 | 5  | 19175 | 25 | #0 | 16QAM | NV | 0   | -1.17  | -0.001 | PASS |
| Band2 | 5  | 19175 | 25 | #0 | 16QAM | NV | 10  | 9.67   | 0.005  | PASS |
| Band2 | 5  | 19175 | 25 | #0 | 16QAM | NV | 20  | -7.04  | -0.004 | PASS |
| Band2 | 5  | 19175 | 25 | #0 | 16QAM | NV | 30  | -11.62 | -0.006 | PASS |
| Band2 | 5  | 19175 | 25 | #0 | 16QAM | NV | 40  | -9.93  | -0.005 | PASS |
| Band2 | 5  | 19175 | 25 | #0 | 16QAM | NV | 50  | -14.43 | -0.008 | PASS |
| Band2 | 10 | 18650 | 50 | #0 | QPSK  | NV | -30 | -7.77  | -0.004 | PASS |
| Band2 | 10 | 18650 | 50 | #0 | QPSK  | NV | -20 | -12.73 | -0.007 | PASS |
| Band2 | 10 | 18650 | 50 | #0 | QPSK  | NV | 0   | -10.33 | -0.006 | PASS |
| Band2 | 10 | 18650 | 50 | #0 | QPSK  | NV | 10  | -2.93  | -0.002 | PASS |
| Band2 | 10 | 18650 | 50 | #0 | QPSK  | NV | 20  | -18.90 | -0.010 | PASS |
| Band2 | 10 | 18650 | 50 | #0 | QPSK  | NV | 30  | -22.59 | -0.012 | PASS |
| Band2 | 10 | 18650 | 50 | #0 | QPSK  | NV | 40  | -8.17  | -0.004 | PASS |
| Band2 | 10 | 18650 | 50 | #0 | QPSK  | NV | 50  | -17.64 | -0.010 | PASS |
| Band2 | 10 | 18900 | 50 | #0 | QPSK  | NV | -30 | -17.80 | -0.009 | PASS |
| Band2 | 10 | 18900 | 50 | #0 | QPSK  | NV | -20 | -11.46 | -0.006 | PASS |
| Band2 | 10 | 18900 | 50 | #0 | QPSK  | NV | 0   | -5.46  | -0.003 | PASS |
| Band2 | 10 | 18900 | 50 | #0 | QPSK  | NV | 10  | -11.56 | -0.006 | PASS |
| Band2 | 10 | 18900 | 50 | #0 | QPSK  | NV | 20  | -13.62 | -0.007 | PASS |
| Band2 | 10 | 18900 | 50 | #0 | QPSK  | NV | 30  | -13.83 | -0.007 | PASS |
| Band2 | 10 | 18900 | 50 | #0 | QPSK  | NV | 40  | -12.77 | -0.007 | PASS |
| Band2 | 10 | 18900 | 50 | #0 | QPSK  | NV | 50  | -15.56 | -0.008 | PASS |
| Band2 | 10 | 19150 | 50 | #0 | QPSK  | NV | -30 | -9.01  | -0.005 | PASS |
| Band2 | 10 | 19150 | 50 | #0 | QPSK  | NV | -20 | -3.71  | -0.002 | PASS |
| Band2 | 10 | 19150 | 50 | #0 | QPSK  | NV | 0   | -17.77 | -0.009 | PASS |
| Band2 | 10 | 19150 | 50 | #0 | QPSK  | NV | 10  | -12.10 | -0.006 | PASS |
| Band2 | 10 | 19150 | 50 | #0 | QPSK  | NV | 20  | -12.93 | -0.007 | PASS |
| Band2 | 10 | 19150 | 50 | #0 | QPSK  | NV | 30  | 2.69   | 0.001  | PASS |
| Band2 | 10 | 19150 | 50 | #0 | QPSK  | NV | 40  | -15.34 | -0.008 | PASS |
| Band2 | 10 | 19150 | 50 | #0 | QPSK  | NV | 50  | -4.75  | -0.002 | PASS |
| Band2 | 15 | 18675 | 75 | #0 | QPSK  | NV | -30 | -8.83  | -0.005 | PASS |
| Band2 | 15 | 18675 | 75 | #0 | QPSK  | NV | -20 | -8.24  | -0.004 | PASS |
| Band2 | 15 | 18675 | 75 | #0 | QPSK  | NV | 0   | -10.47 | -0.006 | PASS |
| Band2 | 15 | 18675 | 75 | #0 | QPSK  | NV | 10  | 0.23   | 0.000  | PASS |
| Band2 | 15 | 18675 | 75 | #0 | QPSK  | NV | 20  | -9.44  | -0.005 | PASS |
| Band2 | 15 | 18675 | 75 | #0 | QPSK  | NV | 30  | -7.55  | -0.004 | PASS |
| Band2 | 15 | 18675 | 75 | #0 | QPSK  | NV | 40  | -9.07  | -0.005 | PASS |
| Band2 | 15 | 18675 | 75 | #0 | QPSK  | NV | 50  | -9.38  | -0.005 | PASS |
| Band2 | 15 | 18900 | 75 | #0 | QPSK  | NV | -30 | -6.31  | -0.003 | PASS |
| Band2 | 15 | 18900 | 75 | #0 | QPSK  | NV | -20 | -0.66  | 0.000  | PASS |
| Band2 | 15 | 18900 | 75 | #0 | QPSK  | NV | 0   | -9.58  | -0.005 | PASS |

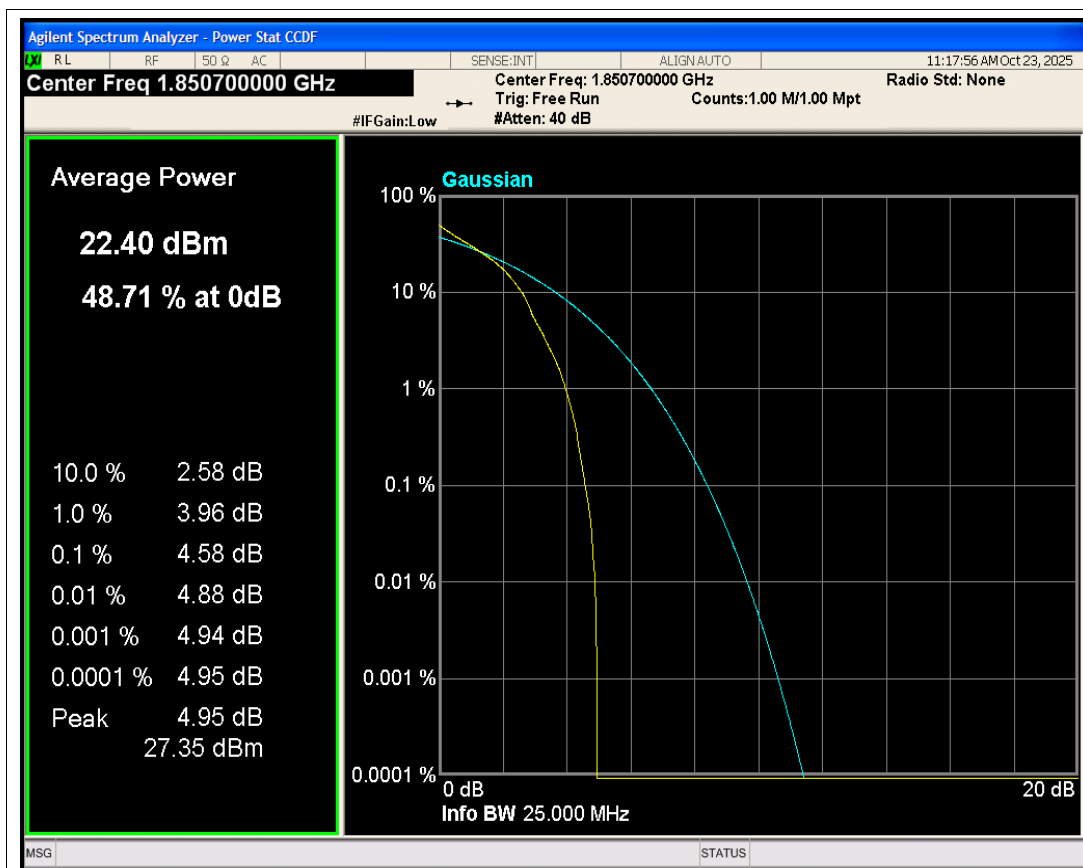
# Report No.: STS2512370W01\_Appendix LTE Band 2

|       |    |       |     |    |      |    |     |        |        |      |
|-------|----|-------|-----|----|------|----|-----|--------|--------|------|
| Band2 | 15 | 18900 | 75  | #0 | QPSK | NV | 10  | -7.78  | -0.004 | PASS |
| Band2 | 15 | 18900 | 75  | #0 | QPSK | NV | 20  | -6.41  | -0.003 | PASS |
| Band2 | 15 | 18900 | 75  | #0 | QPSK | NV | 30  | -2.88  | -0.002 | PASS |
| Band2 | 15 | 18900 | 75  | #0 | QPSK | NV | 40  | -4.01  | -0.002 | PASS |
| Band2 | 15 | 18900 | 75  | #0 | QPSK | NV | 50  | -10.06 | -0.005 | PASS |
| Band2 | 15 | 19125 | 75  | #0 | QPSK | NV | -30 | -2.33  | -0.001 | PASS |
| Band2 | 15 | 19125 | 75  | #0 | QPSK | NV | -20 | -4.76  | -0.003 | PASS |
| Band2 | 15 | 19125 | 75  | #0 | QPSK | NV | 0   | -5.48  | -0.003 | PASS |
| Band2 | 15 | 19125 | 75  | #0 | QPSK | NV | 10  | -17.29 | -0.009 | PASS |
| Band2 | 15 | 19125 | 75  | #0 | QPSK | NV | 20  | -6.88  | -0.004 | PASS |
| Band2 | 15 | 19125 | 75  | #0 | QPSK | NV | 30  | -4.08  | -0.002 | PASS |
| Band2 | 15 | 19125 | 75  | #0 | QPSK | NV | 40  | -8.67  | -0.005 | PASS |
| Band2 | 15 | 19125 | 75  | #0 | QPSK | NV | 50  | -1.72  | -0.001 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK | NV | -30 | -11.19 | -0.006 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK | NV | -20 | -12.17 | -0.007 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK | NV | 0   | -10.46 | -0.006 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK | NV | 10  | -9.77  | -0.005 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK | NV | 20  | -1.73  | -0.001 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK | NV | 30  | -17.45 | -0.009 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK | NV | 40  | -4.45  | -0.002 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK | NV | 50  | -16.62 | -0.009 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK | NV | -30 | -6.85  | -0.004 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK | NV | -20 | -13.28 | -0.007 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK | NV | 0   | -7.14  | -0.004 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK | NV | 10  | -8.88  | -0.005 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK | NV | 20  | 0.17   | 0.000  | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK | NV | 30  | 0.50   | 0.000  | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK | NV | 40  | -11.10 | -0.006 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK | NV | 50  | -3.03  | -0.002 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK | NV | -30 | -10.30 | -0.005 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK | NV | -20 | -13.07 | -0.007 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK | NV | 0   | -16.09 | -0.008 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK | NV | 10  | -8.21  | -0.004 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK | NV | 20  | 1.76   | 0.001  | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK | NV | 30  | -9.63  | -0.005 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK | NV | 40  | -5.58  | -0.003 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK | NV | 50  | -3.78  | -0.002 | PASS |

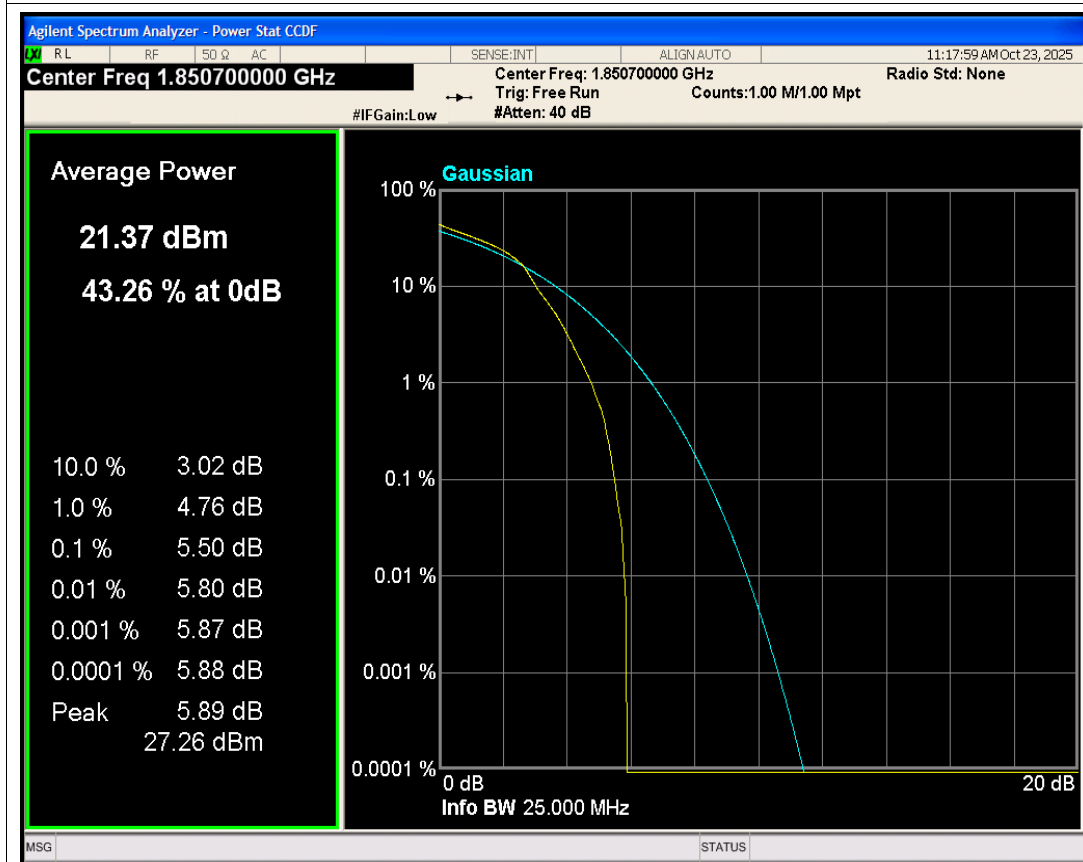
**Appendix 3. Peak-to-Average Ratio**

| <i>Band</i> | <i>Bandwidth (MHz)</i> | <i>UL Channel</i> | <i>RB Size</i> | <i>RB Position</i> | <i>Modulation</i> | <i>Result (dB)</i> | <i>high Limit (dB)</i> | <i>Verdict</i> |
|-------------|------------------------|-------------------|----------------|--------------------|-------------------|--------------------|------------------------|----------------|
| Band2       | 1.4                    | 18607             | 1              | #0                 | QPSK              | 4.58               | 13                     | PASS           |
| Band2       | 1.4                    | 18607             | 1              | #0                 | 16QAM             | 5.50               | 13                     | PASS           |
| Band2       | 1.4                    | 18900             | 1              | #0                 | QPSK              | 4.74               | 13                     | PASS           |
| Band2       | 1.4                    | 18900             | 1              | #0                 | 16QAM             | 5.74               | 13                     | PASS           |
| Band2       | 1.4                    | 19193             | 1              | #0                 | QPSK              | 4.19               | 13                     | PASS           |
| Band2       | 1.4                    | 19193             | 1              | #0                 | 16QAM             | 5.04               | 13                     | PASS           |
| Band2       | 3                      | 18615             | 1              | #0                 | QPSK              | 4.73               | 13                     | PASS           |
| Band2       | 3                      | 18615             | 1              | #0                 | 16QAM             | 5.54               | 13                     | PASS           |
| Band2       | 3                      | 18900             | 1              | #0                 | QPSK              | 4.89               | 13                     | PASS           |
| Band2       | 3                      | 18900             | 1              | #0                 | 16QAM             | 5.86               | 13                     | PASS           |
| Band2       | 3                      | 19185             | 1              | #0                 | QPSK              | 4.25               | 13                     | PASS           |
| Band2       | 3                      | 19185             | 1              | #0                 | 16QAM             | 5.09               | 13                     | PASS           |
| Band2       | 5                      | 18625             | 1              | #0                 | QPSK              | 4.87               | 13                     | PASS           |
| Band2       | 5                      | 18625             | 1              | #0                 | 16QAM             | 5.30               | 13                     | PASS           |
| Band2       | 5                      | 18900             | 1              | #0                 | QPSK              | 4.92               | 13                     | PASS           |
| Band2       | 5                      | 18900             | 1              | #0                 | 16QAM             | 5.61               | 13                     | PASS           |
| Band2       | 5                      | 19175             | 1              | #0                 | QPSK              | 4.90               | 13                     | PASS           |
| Band2       | 5                      | 19175             | 1              | #0                 | 16QAM             | 5.68               | 13                     | PASS           |
| Band2       | 10                     | 18650             | 1              | #0                 | QPSK              | 4.67               | 13                     | PASS           |
| Band2       | 10                     | 18900             | 1              | #0                 | QPSK              | 5.32               | 13                     | PASS           |
| Band2       | 10                     | 19150             | 1              | #0                 | QPSK              | 4.81               | 13                     | PASS           |
| Band2       | 15                     | 18675             | 1              | #0                 | QPSK              | 4.60               | 13                     | PASS           |
| Band2       | 15                     | 18900             | 1              | #0                 | QPSK              | 5.54               | 13                     | PASS           |
| Band2       | 15                     | 19125             | 1              | #0                 | QPSK              | 5.48               | 13                     | PASS           |
| Band2       | 20                     | 18700             | 1              | #0                 | QPSK              | 4.61               | 13                     | PASS           |
| Band2       | 20                     | 18900             | 1              | #0                 | QPSK              | 5.34               | 13                     | PASS           |
| Band2       | 20                     | 19100             | 1              | #0                 | QPSK              | 5.64               | 13                     | PASS           |

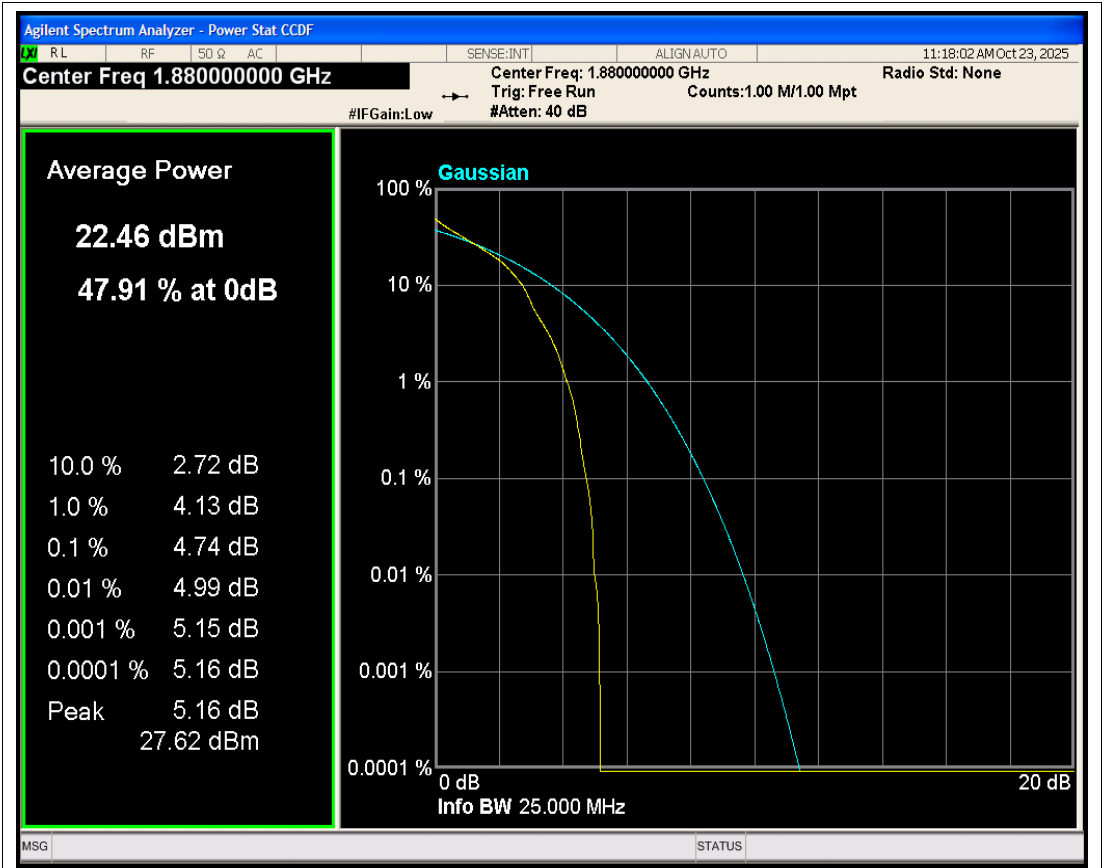
# Report No.: STS2512370W01\_Appendix LTE Band 2



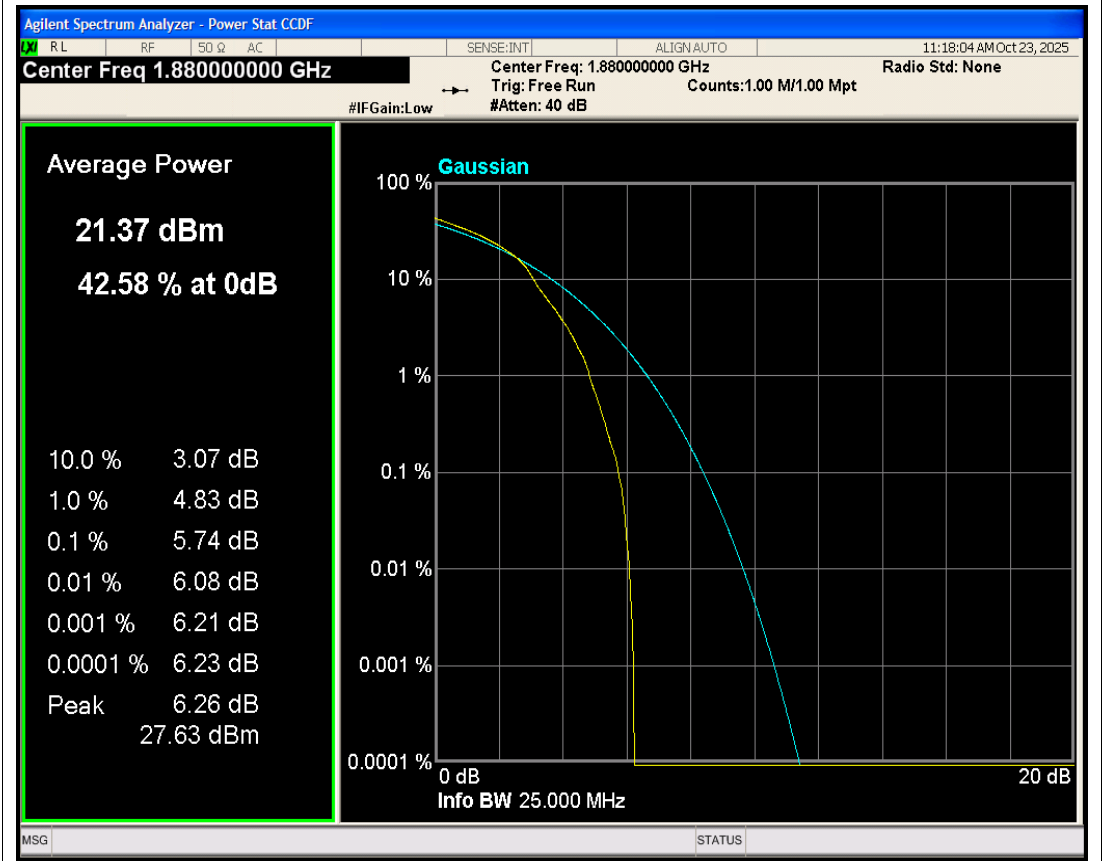
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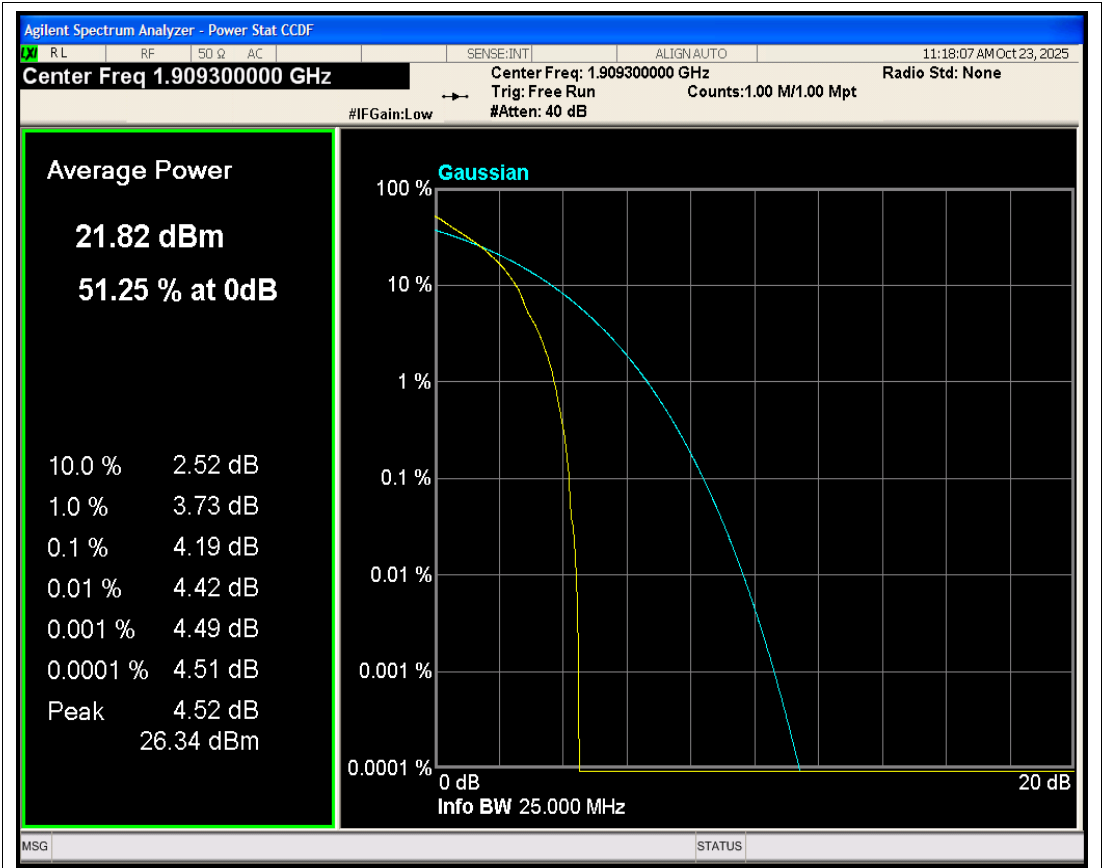
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=1 Position=#0



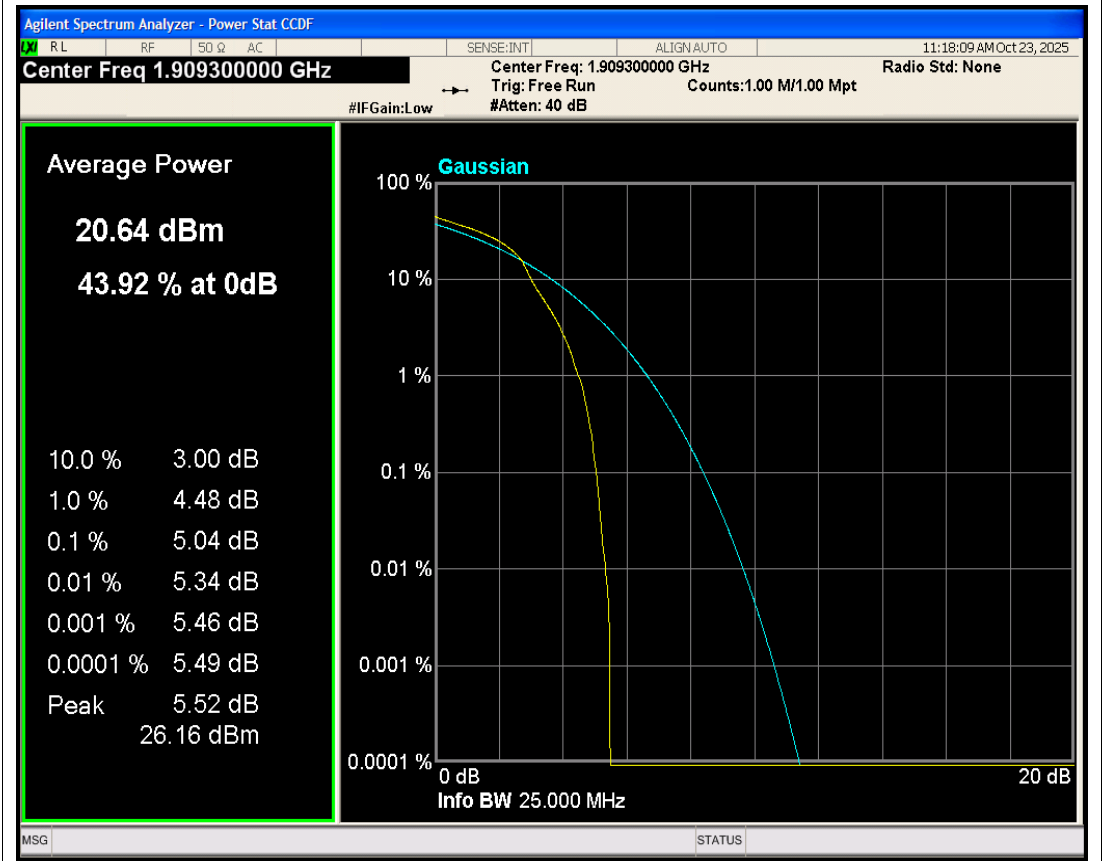
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



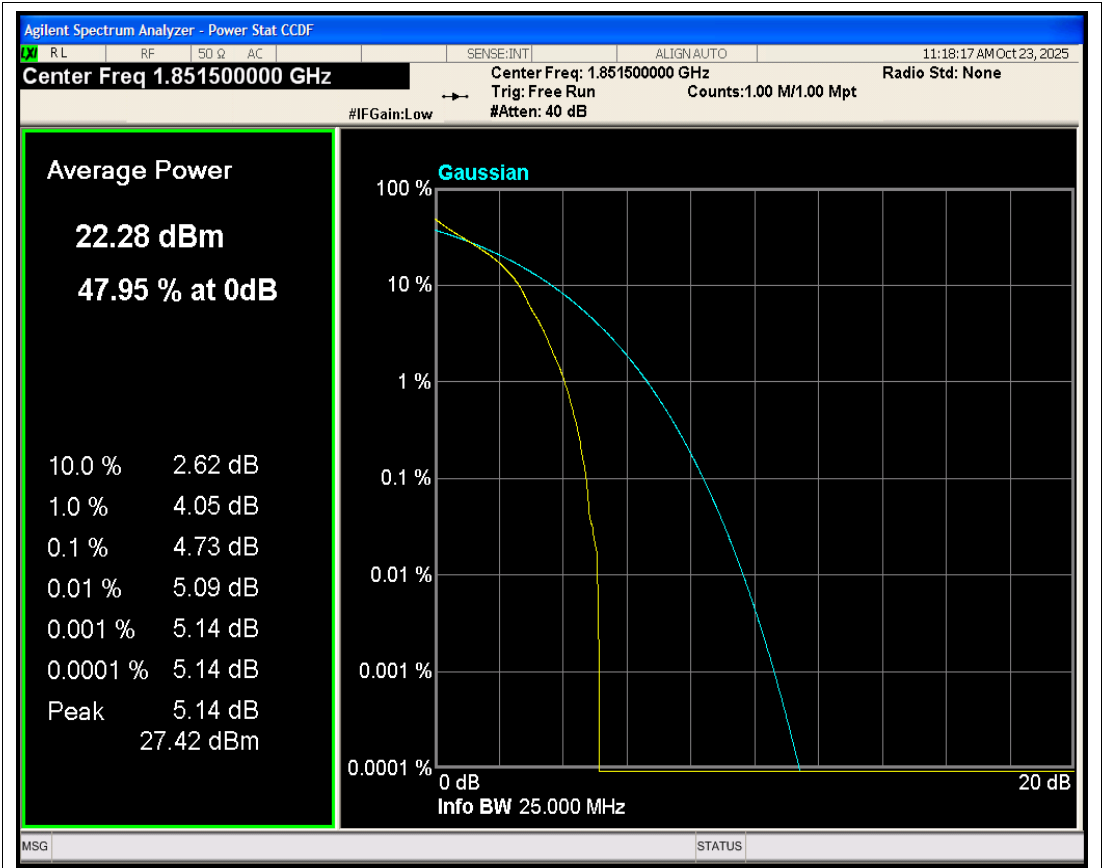
Band2 16QAM BW=1.4MHz Channel=18900 RB Size=1 Position=#0



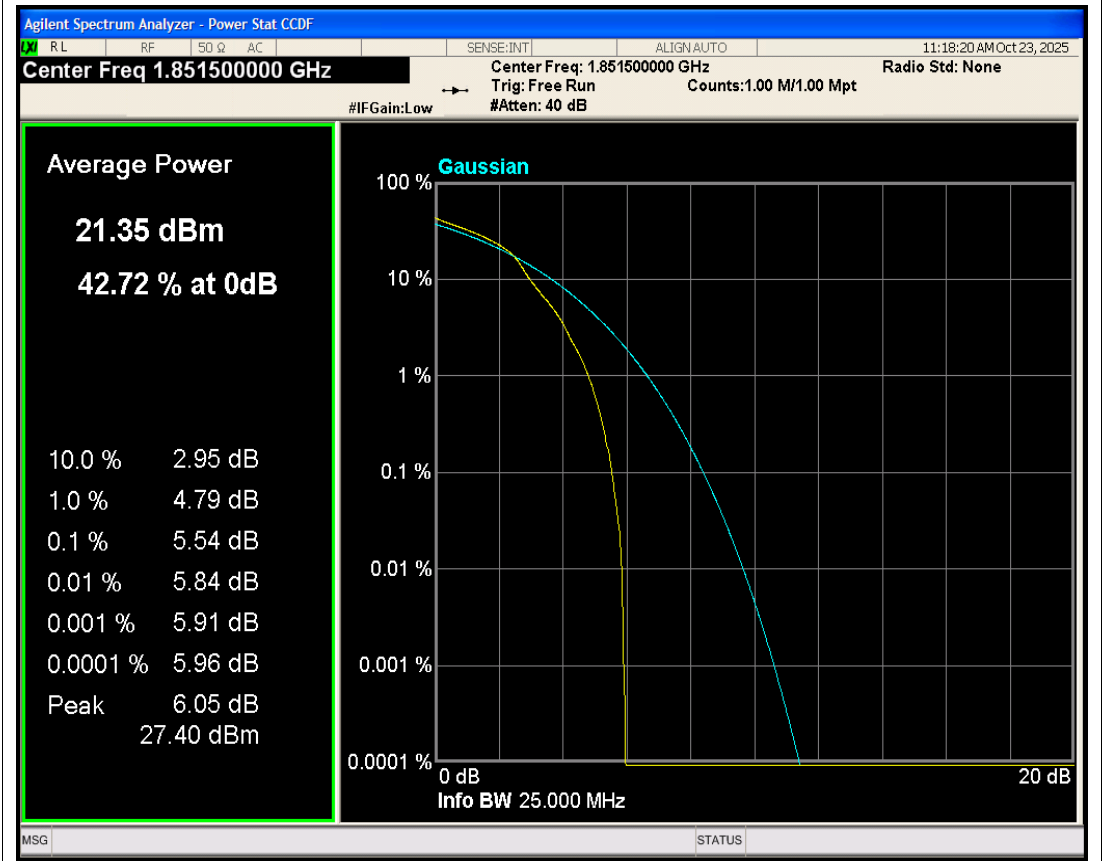
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#0



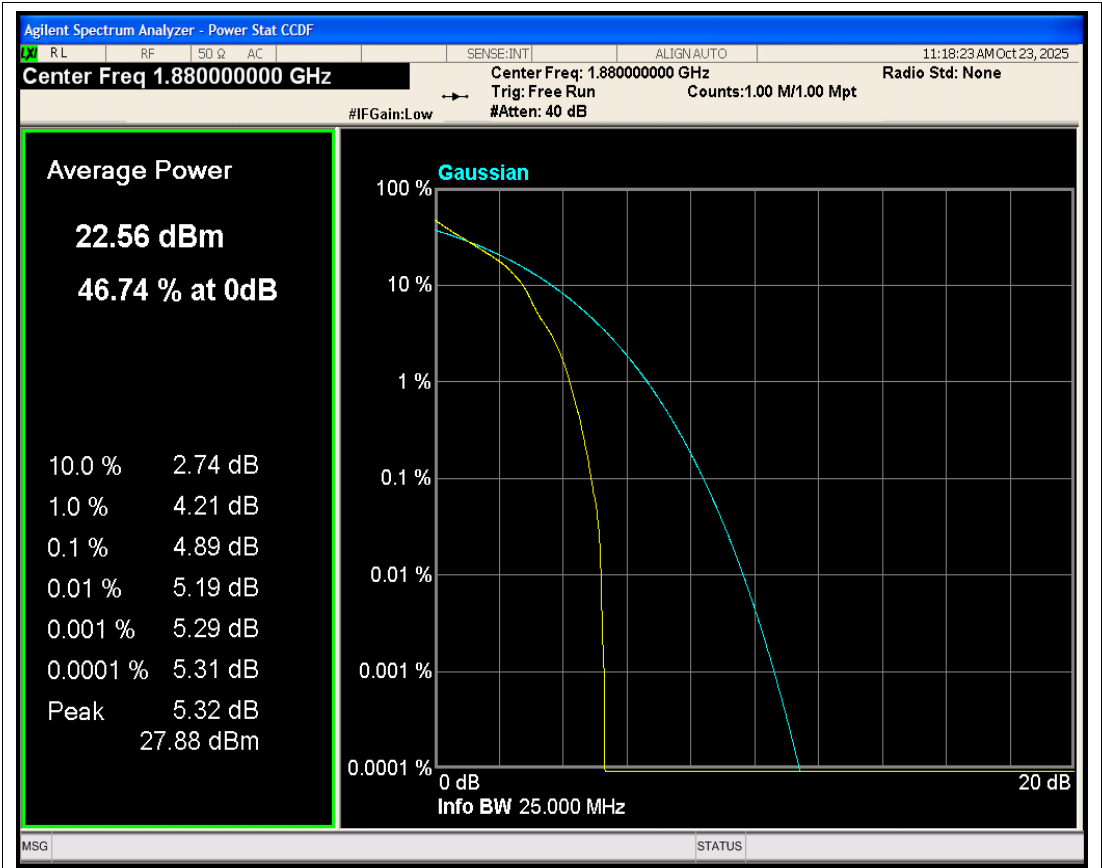
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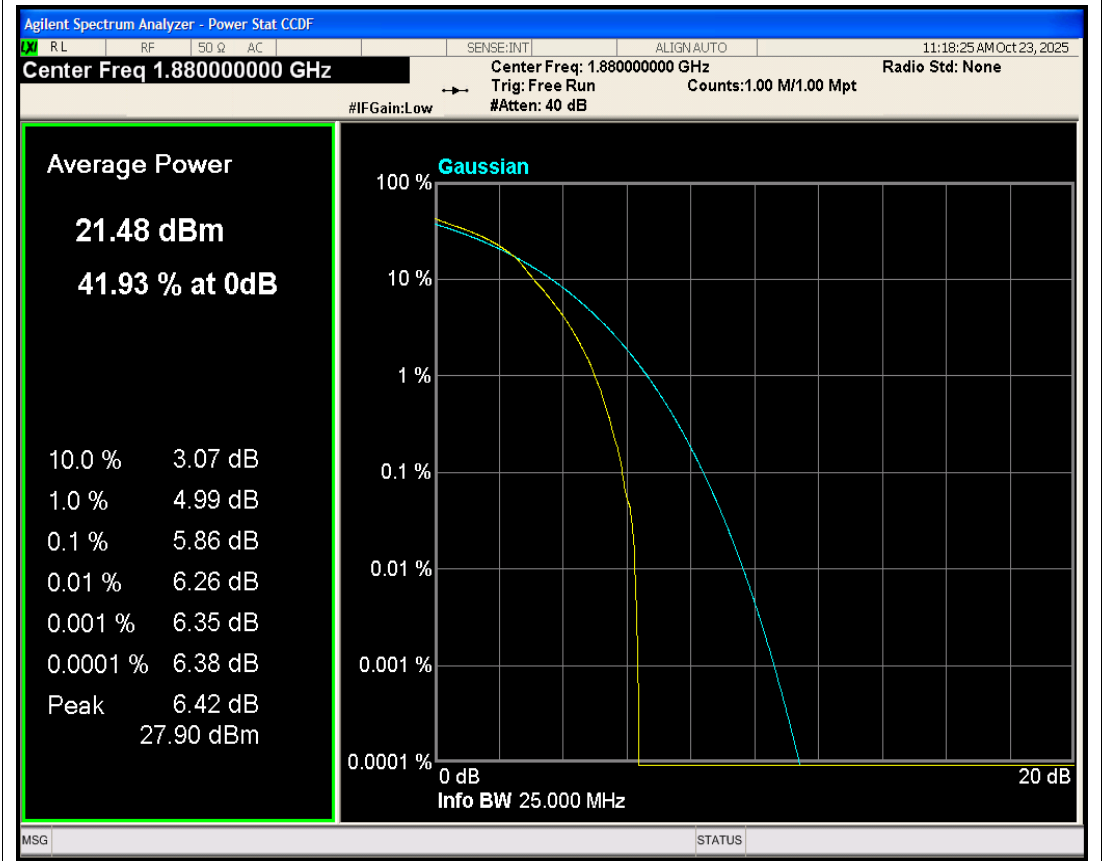
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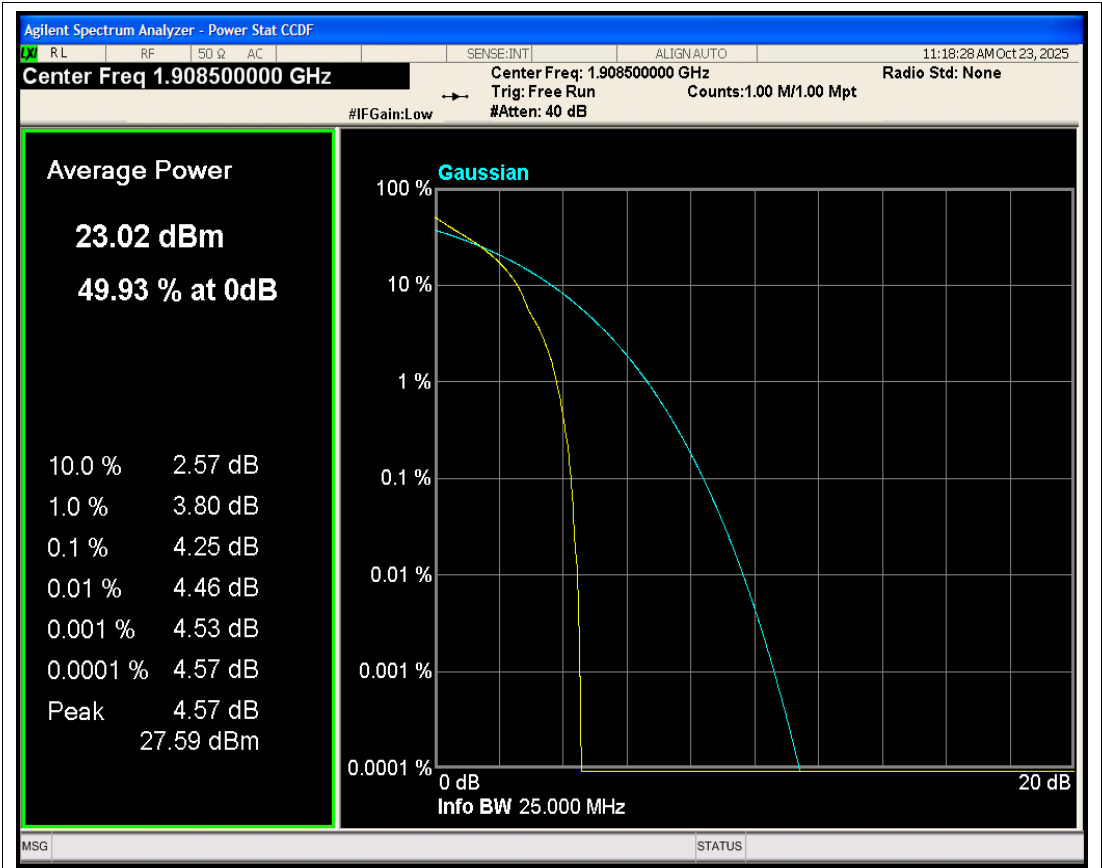
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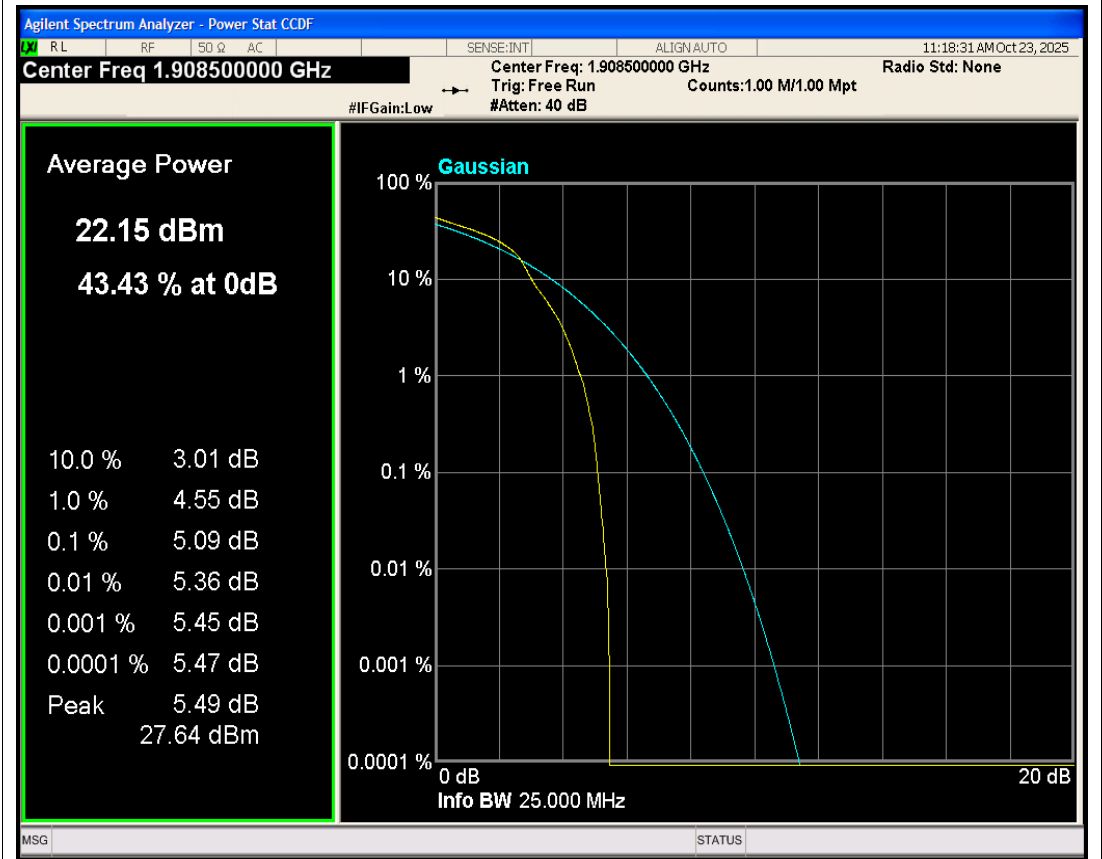
Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0



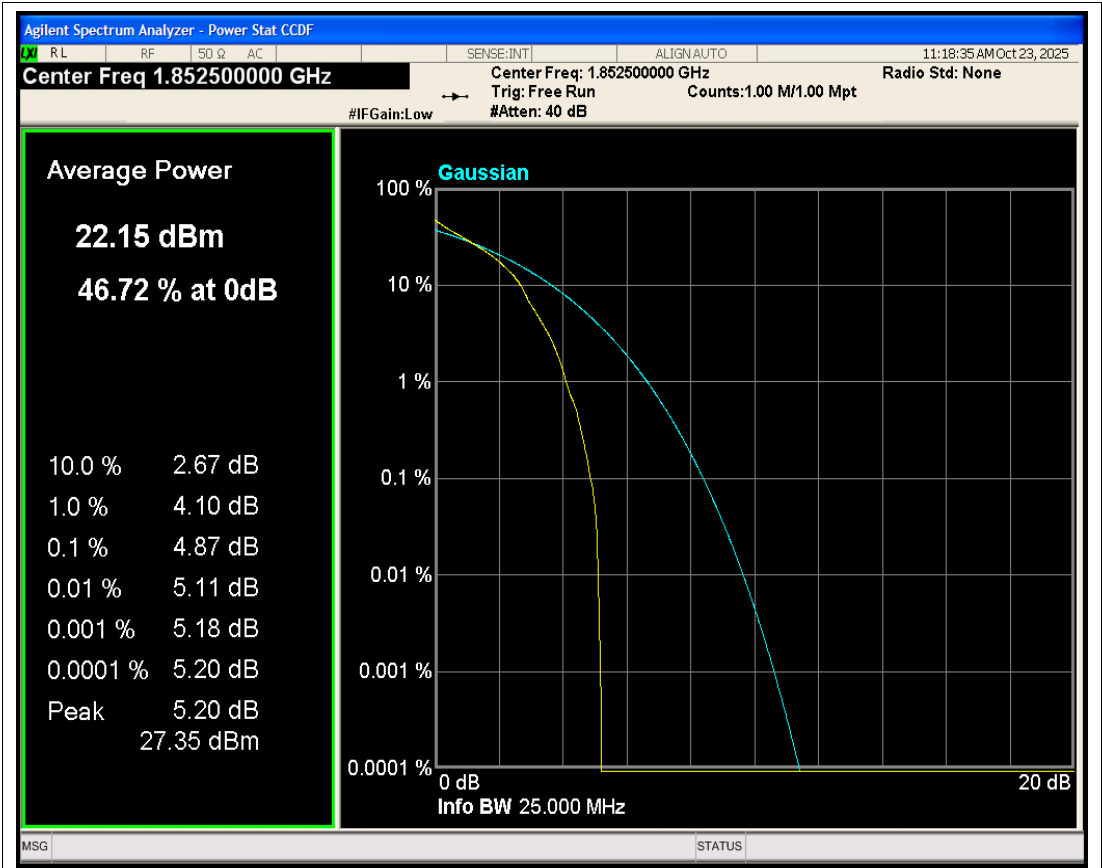
Band2 16QAM BW=3MHz Channel=18900 RB Size=1 Position=#0



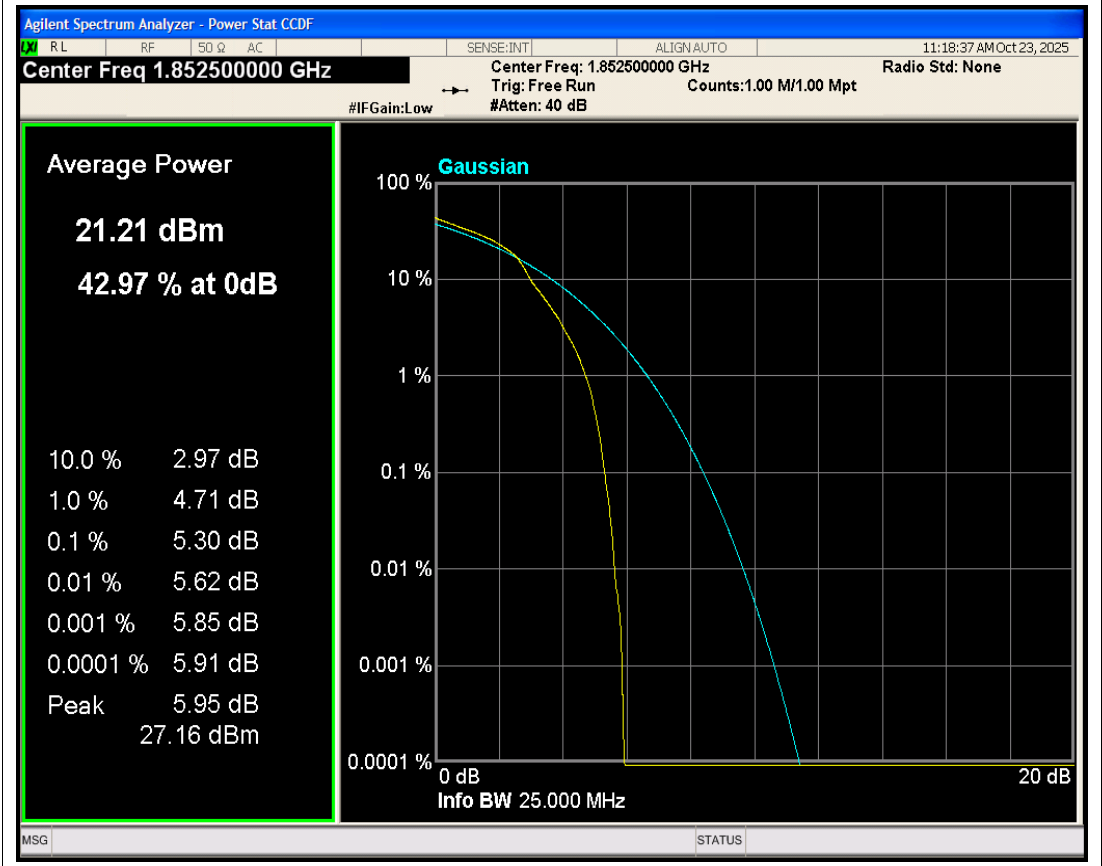
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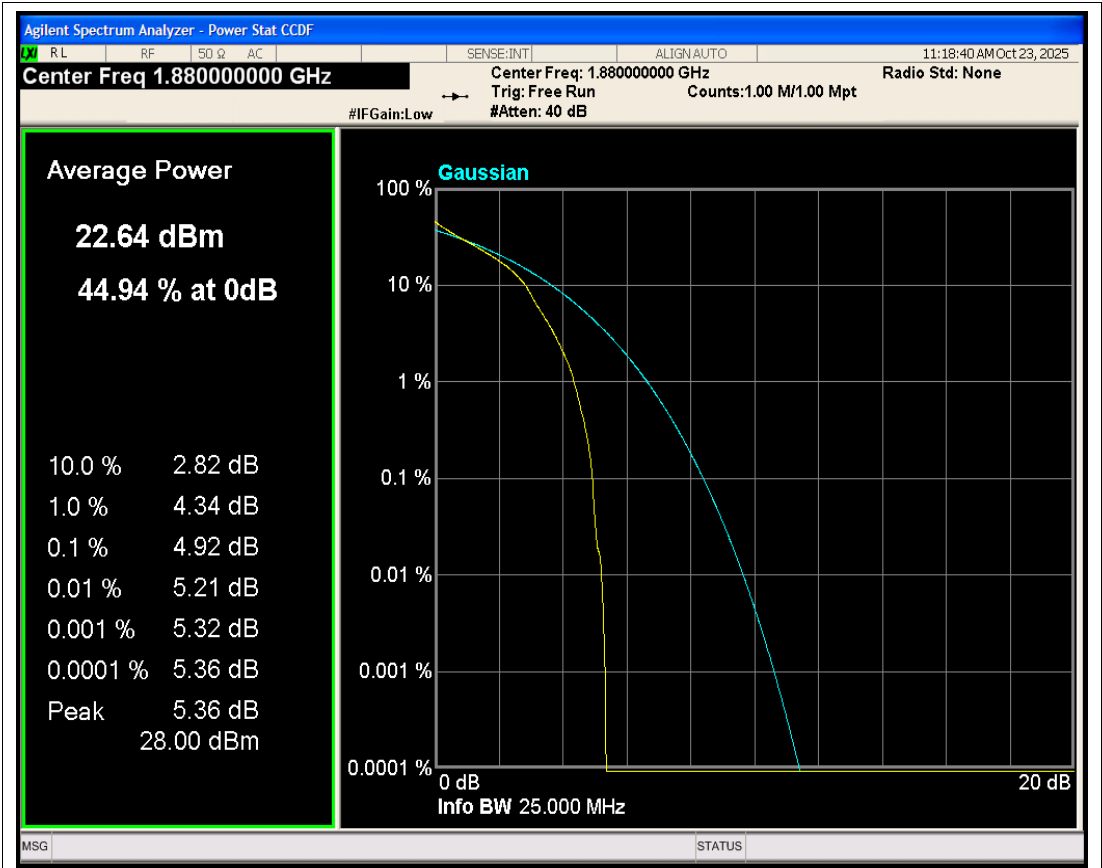
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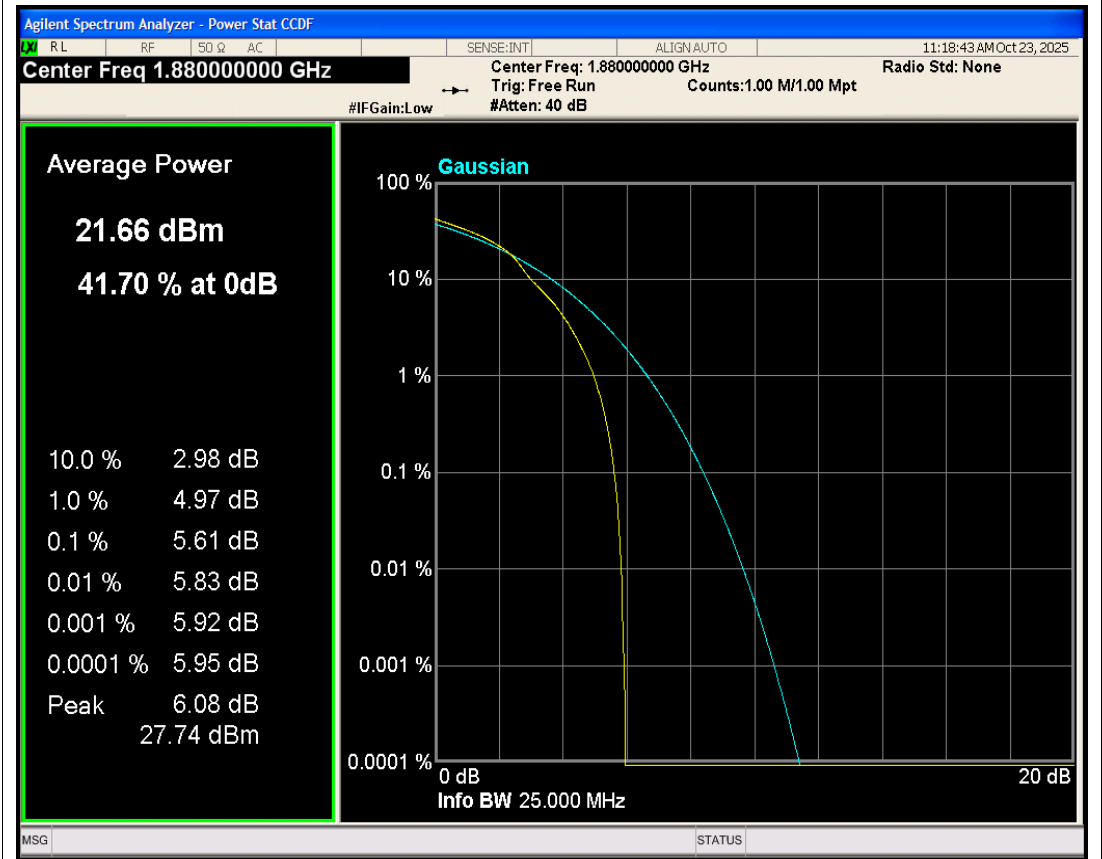
Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0



Band2 16QAM BW=5MHz Channel=18625 RB Size=1 Position=#0

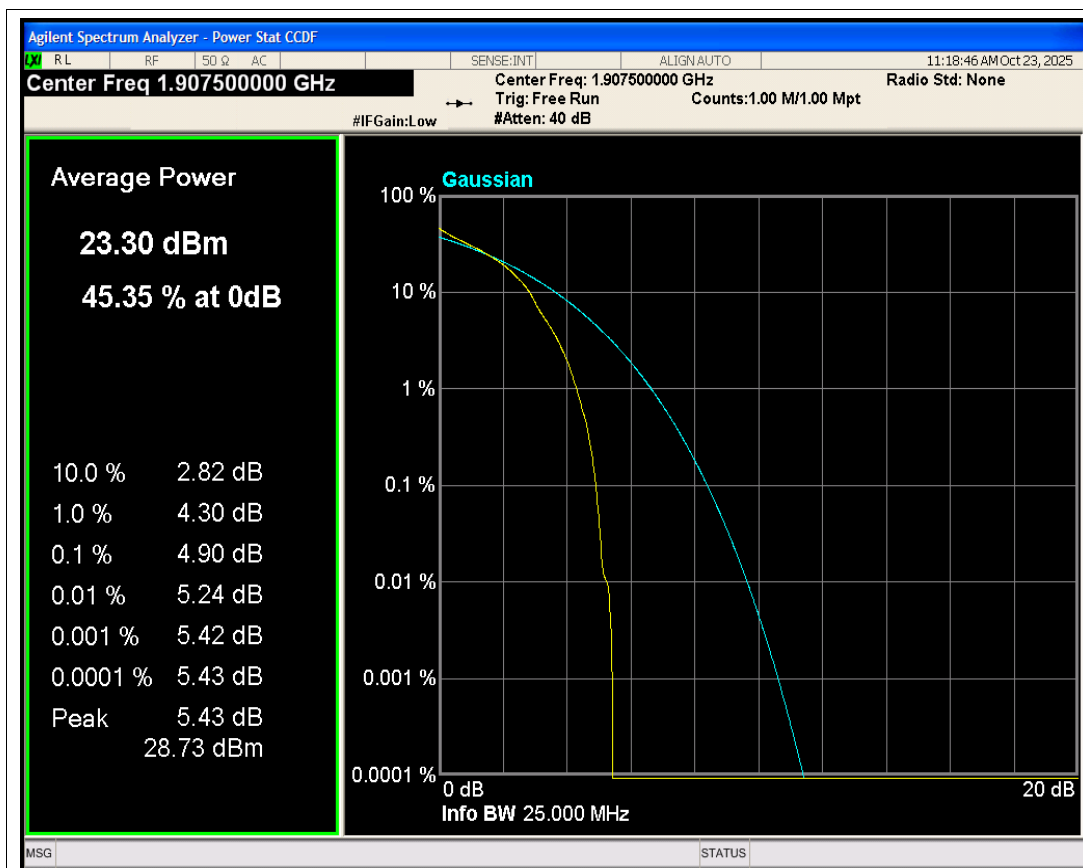


Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0

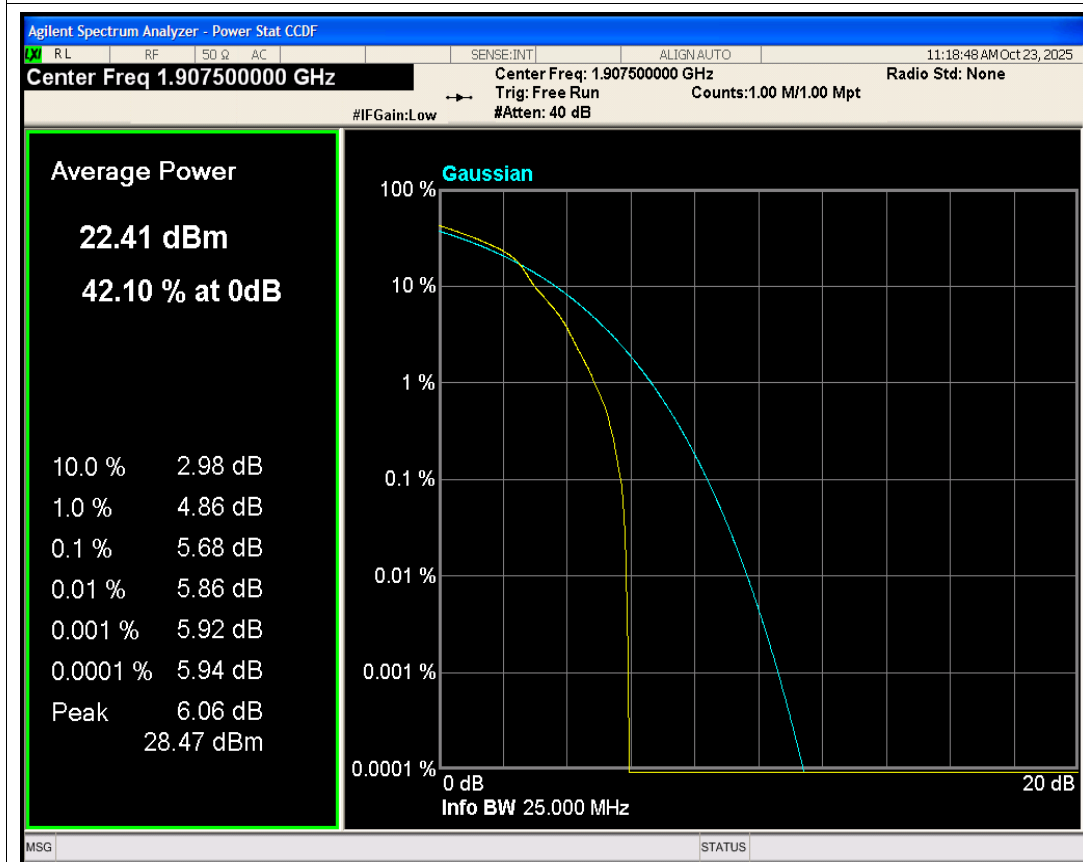


Band2 16QAM BW=5MHz Channel=18900 RB Size=1 Position=#0

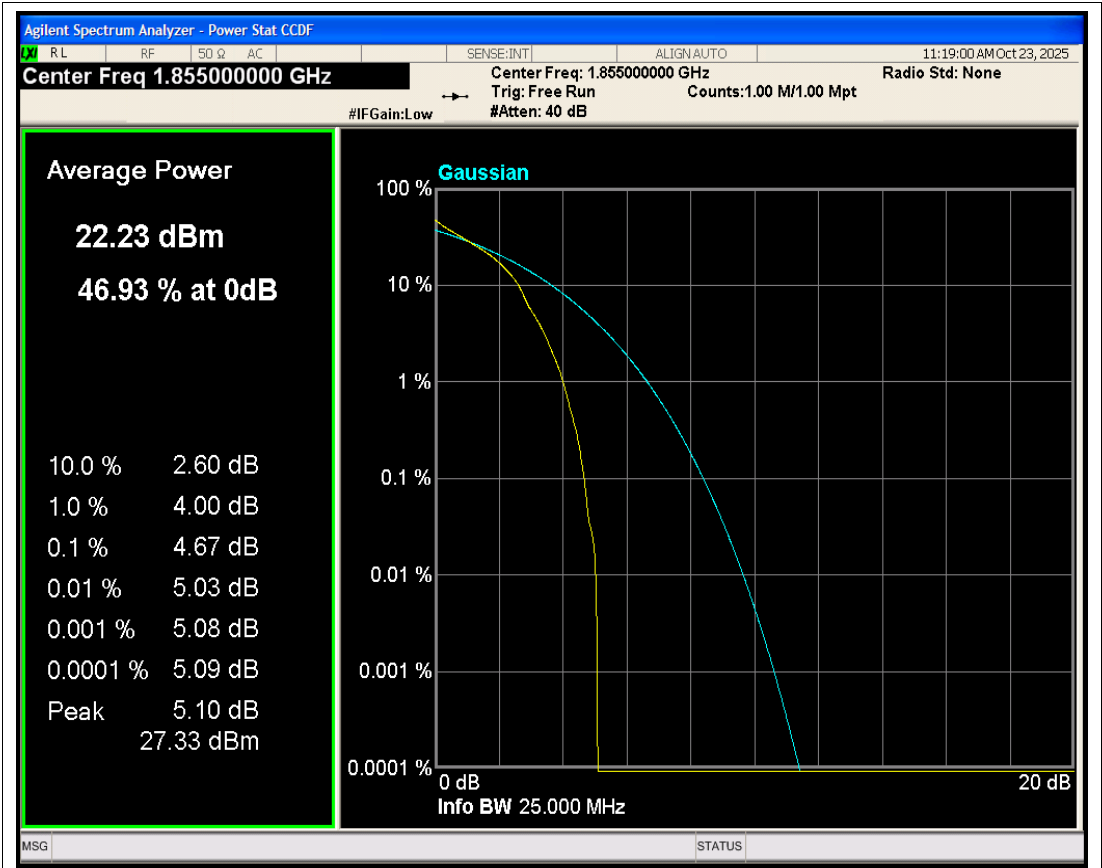
# Report No.: STS2512370W01\_Appendix LTE Band 2



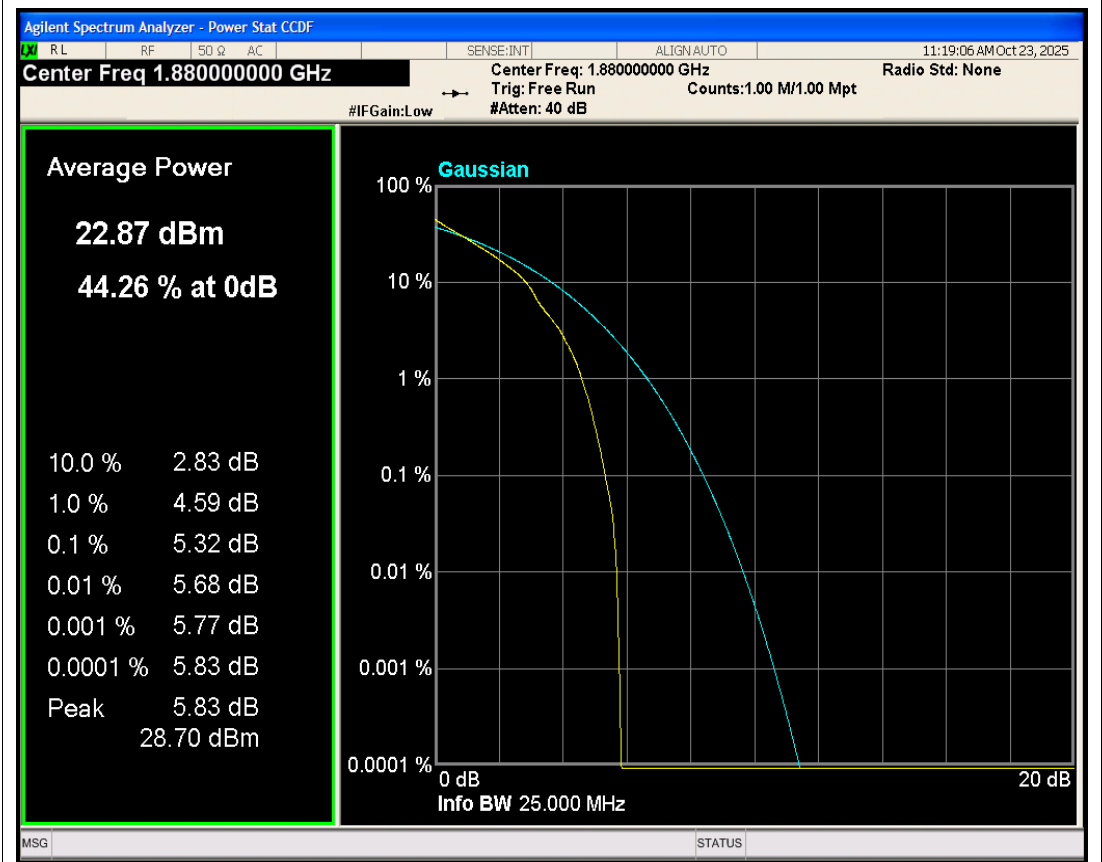
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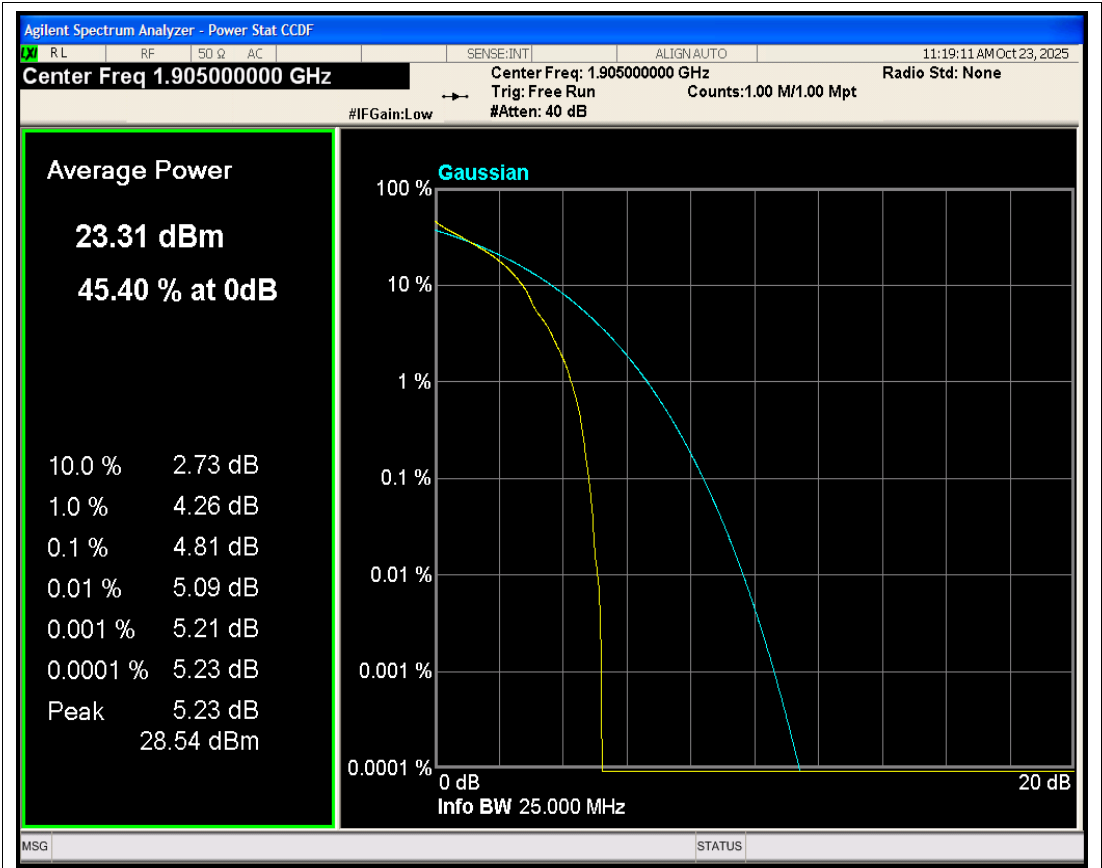
Band2 16QAM BW=5MHz Channel=19175 RB Size=1 Position=#0



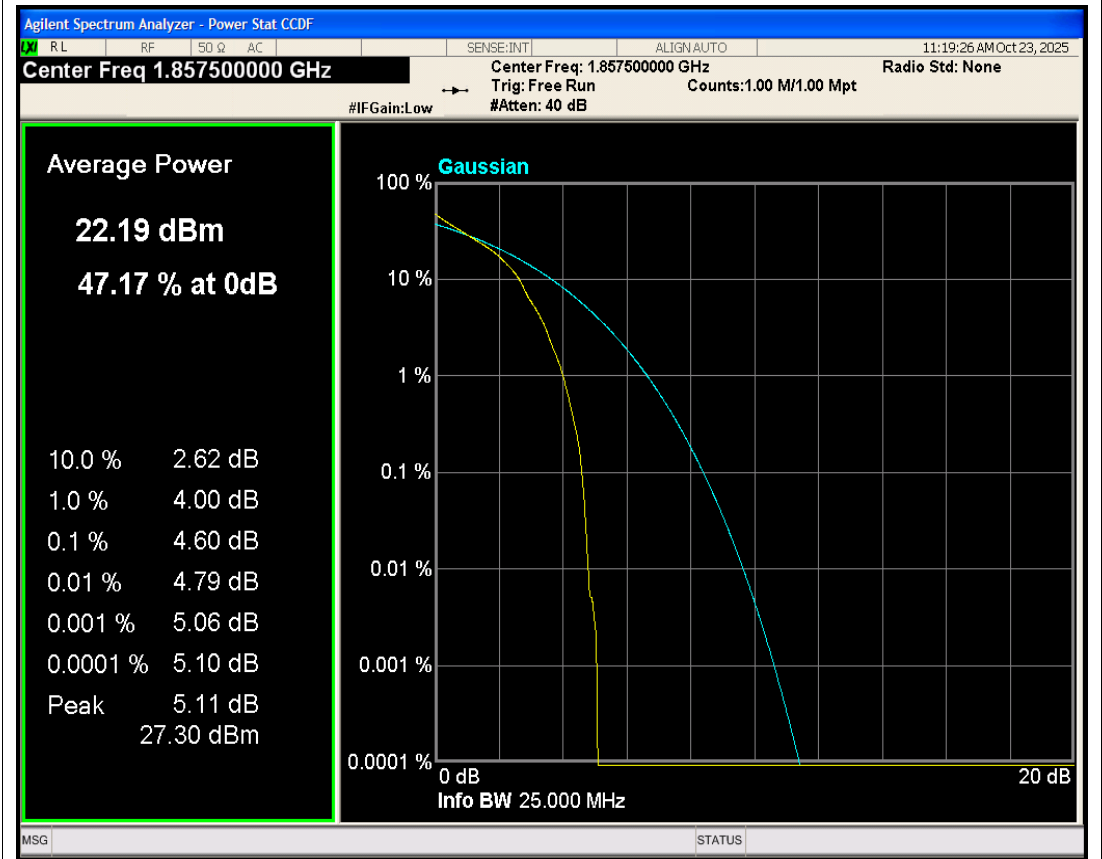
Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0



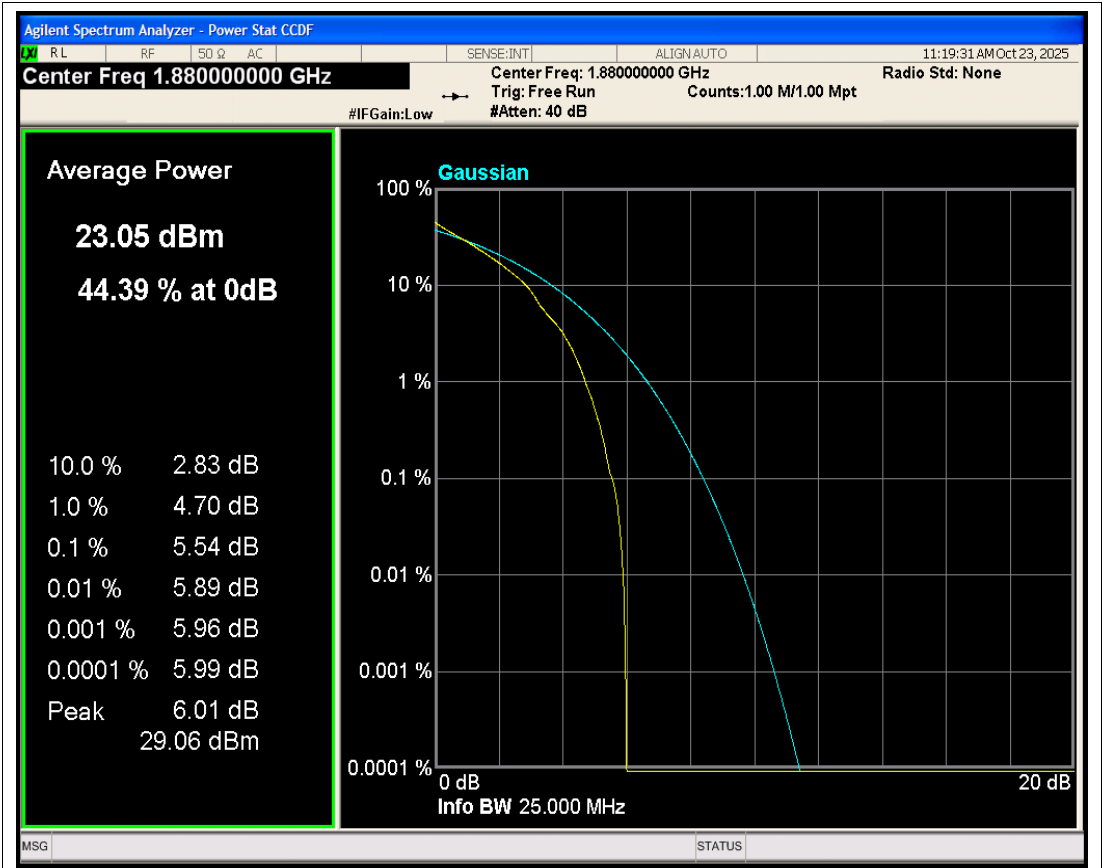
Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0



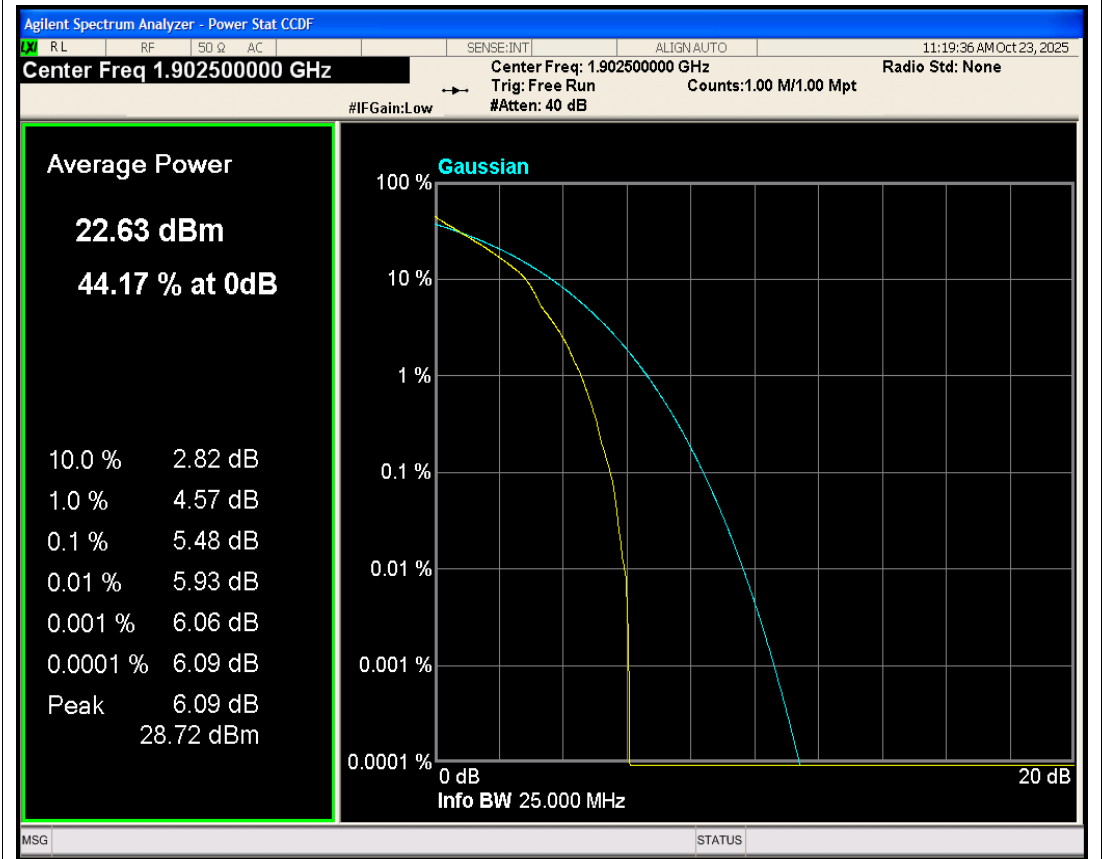
Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0



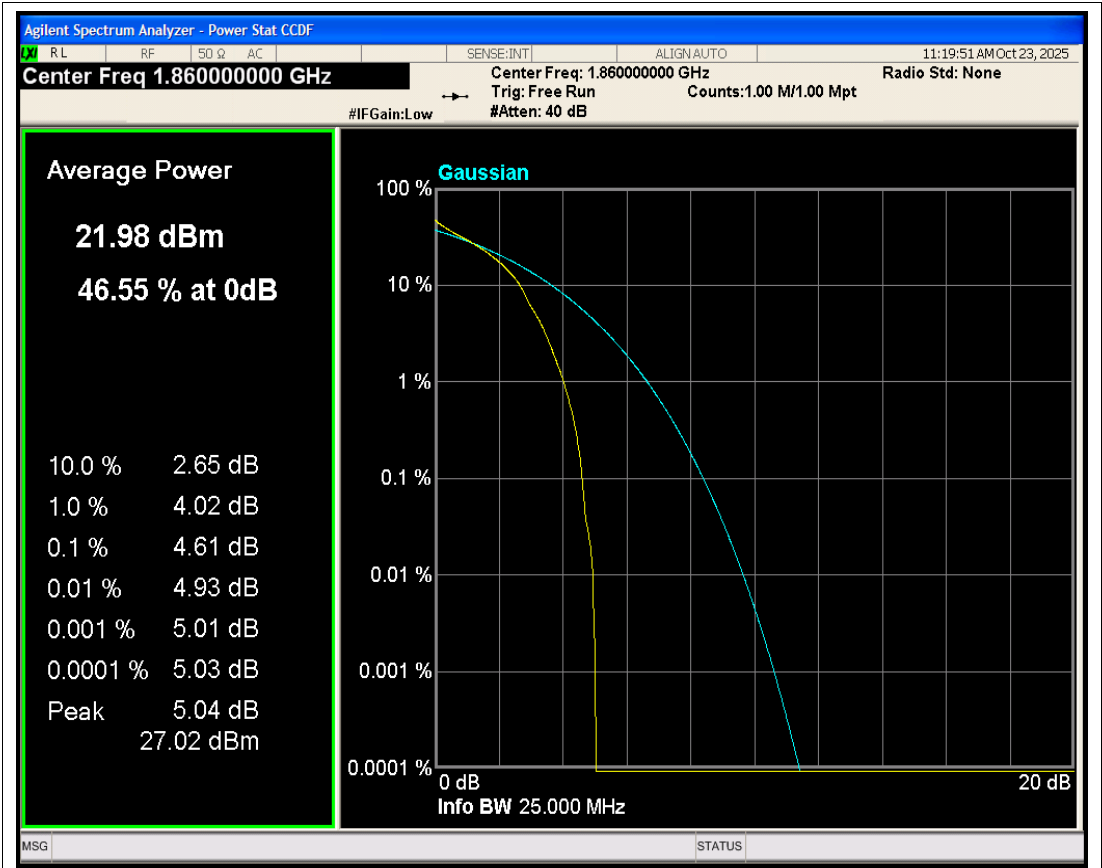
Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#0



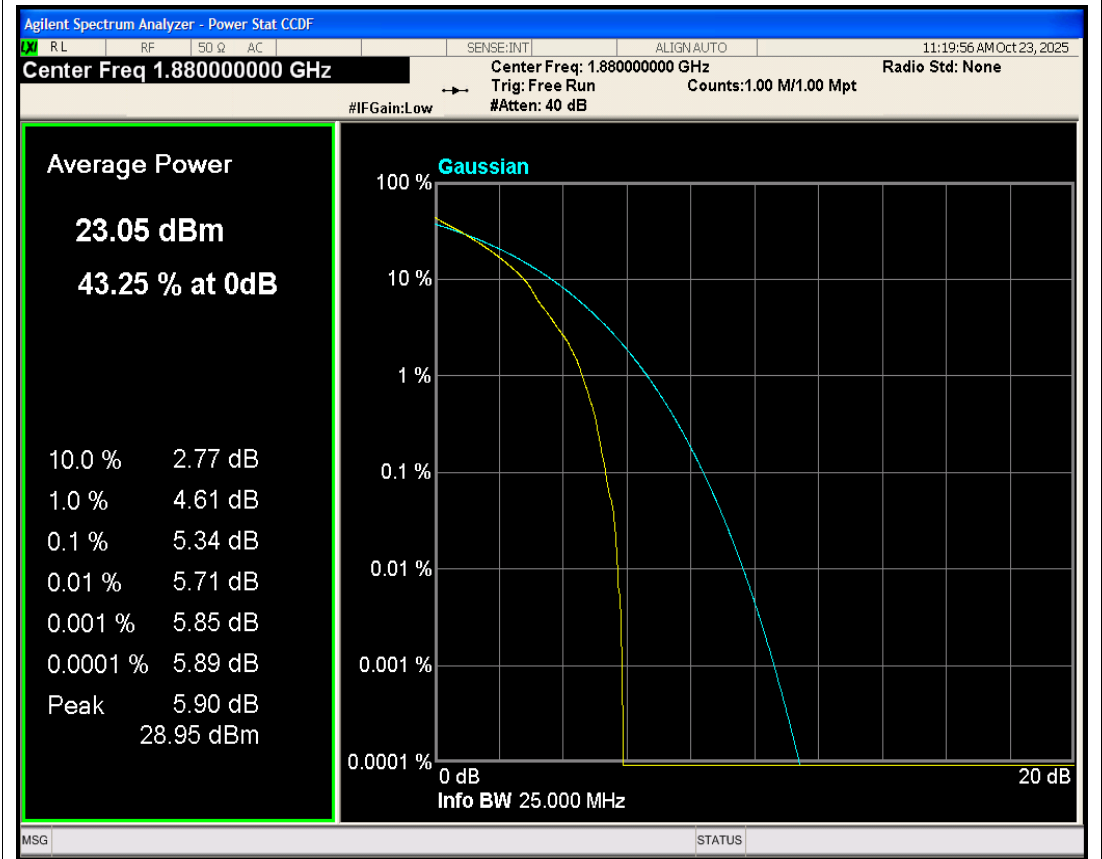
Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0



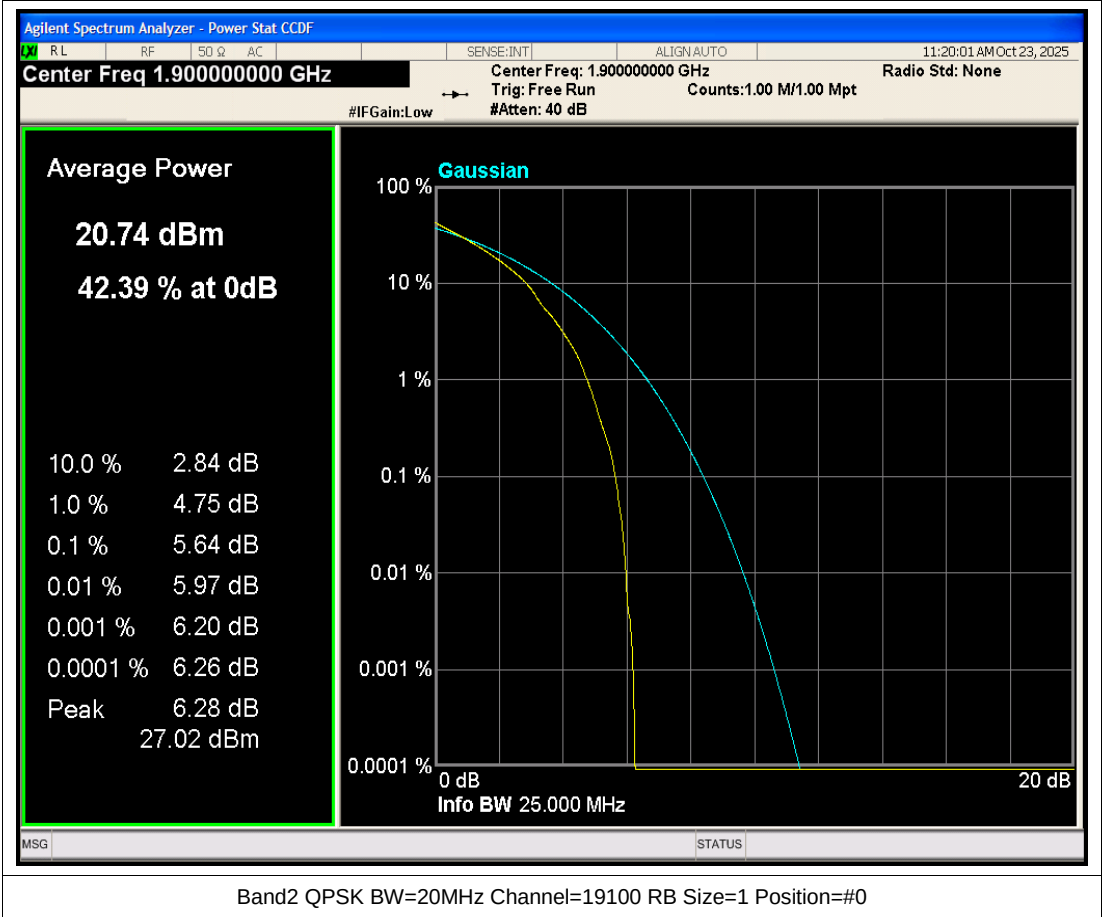
Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#0



Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0



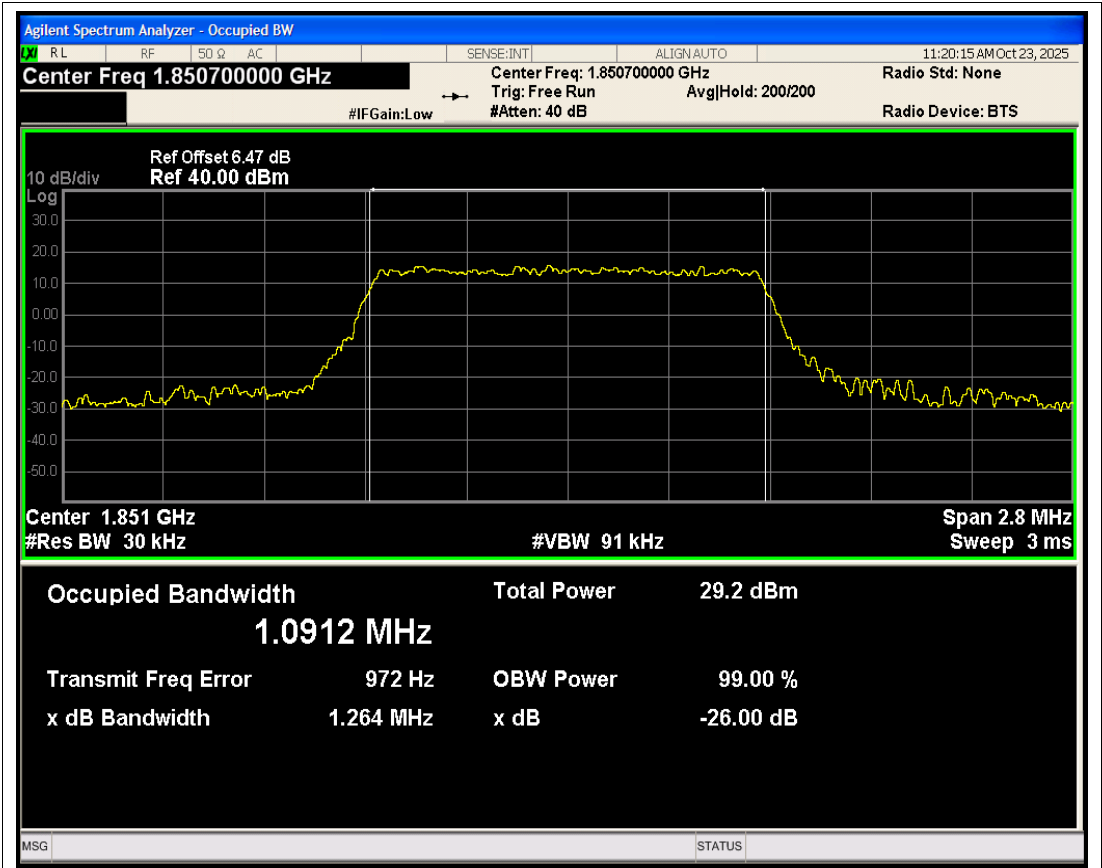
Band2 QPSK BW=20MHz Channel=18900 RB Size=1 Position=#0



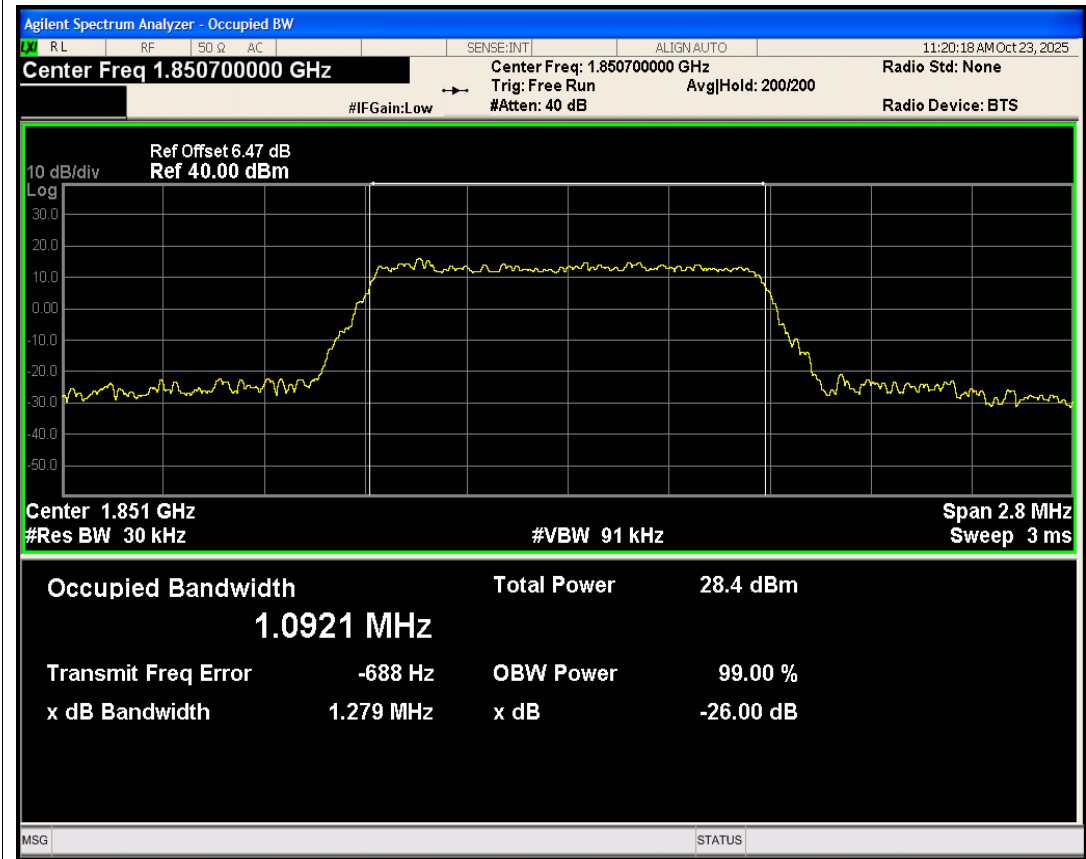
**Appendix 4.Occupied bandwidth**

| <b>Band</b> | <b>Bandwidth<br/>(MHz)</b> | <b>UL<br/>Channel</b> | <b>RB<br/>Size</b> | <b>RB<br/>Position</b> | <b>Modulation</b> | <b>99% OBW<br/>(MHz)</b> | <b>-26dB EBW<br/>(MHz)</b> | <b>Verdict</b> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|--------------------------|----------------------------|----------------|
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | QPSK              | 1.091                    | 1.264                      | PASS           |
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | 16QAM             | 1.092                    | 1.279                      | PASS           |
| Band2       | 1.4                        | 18900                 | 6                  | #0                     | QPSK              | 1.098                    | 1.269                      | PASS           |
| Band2       | 1.4                        | 18900                 | 6                  | #0                     | 16QAM             | 1.095                    | 1.264                      | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | QPSK              | 1.097                    | 1.260                      | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | 16QAM             | 1.099                    | 1.266                      | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | QPSK              | 2.702                    | 2.921                      | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | 16QAM             | 2.688                    | 2.942                      | PASS           |
| Band2       | 3                          | 18900                 | 15                 | #0                     | QPSK              | 2.692                    | 2.939                      | PASS           |
| Band2       | 3                          | 18900                 | 15                 | #0                     | 16QAM             | 2.701                    | 2.961                      | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | QPSK              | 2.699                    | 2.948                      | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | 16QAM             | 2.698                    | 2.968                      | PASS           |
| Band2       | 5                          | 18625                 | 25                 | #0                     | QPSK              | 4.512                    | 4.923                      | PASS           |
| Band2       | 5                          | 18625                 | 25                 | #0                     | 16QAM             | 4.496                    | 4.922                      | PASS           |
| Band2       | 5                          | 18900                 | 25                 | #0                     | QPSK              | 4.513                    | 4.948                      | PASS           |
| Band2       | 5                          | 18900                 | 25                 | #0                     | 16QAM             | 4.519                    | 4.900                      | PASS           |
| Band2       | 5                          | 19175                 | 25                 | #0                     | QPSK              | 4.484                    | 4.912                      | PASS           |
| Band2       | 5                          | 19175                 | 25                 | #0                     | 16QAM             | 4.497                    | 4.905                      | PASS           |
| Band2       | 10                         | 18650                 | 50                 | #0                     | QPSK              | 8.987                    | 9.733                      | PASS           |
| Band2       | 10                         | 18900                 | 50                 | #0                     | QPSK              | 8.944                    | 9.531                      | PASS           |
| Band2       | 10                         | 19150                 | 50                 | #0                     | QPSK              | 8.954                    | 9.672                      | PASS           |
| Band2       | 15                         | 18675                 | 75                 | #0                     | QPSK              | 13.497                   | 14.489                     | PASS           |
| Band2       | 15                         | 18900                 | 75                 | #0                     | QPSK              | 13.422                   | 14.274                     | PASS           |
| Band2       | 15                         | 19125                 | 75                 | #0                     | QPSK              | 13.468                   | 14.293                     | PASS           |
| Band2       | 20                         | 18700                 | 100                | #0                     | QPSK              | 17.931                   | 19.068                     | PASS           |
| Band2       | 20                         | 18900                 | 100                | #0                     | QPSK              | 17.930                   | 18.994                     | PASS           |
| Band2       | 20                         | 19100                 | 100                | #0                     | QPSK              | 17.863                   | 19.187                     | PASS           |

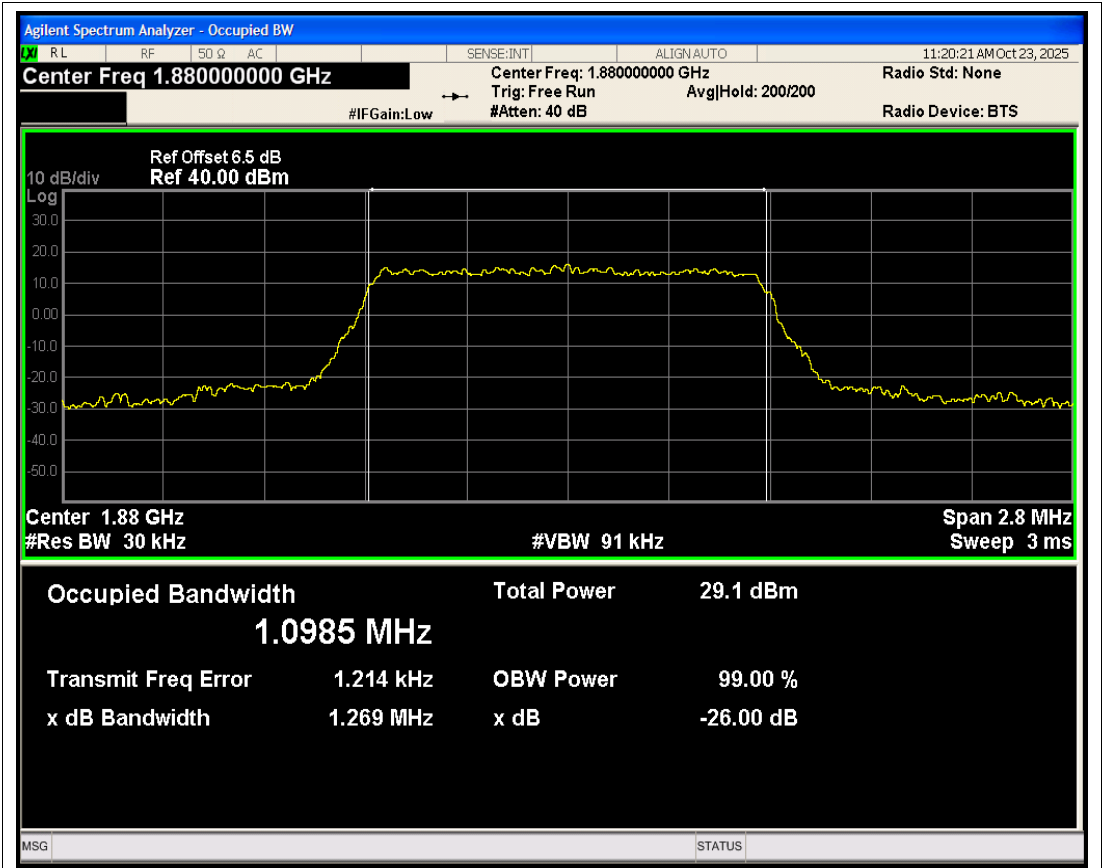
Report No.: STS2512370W01\_Appendix LTE Band 2



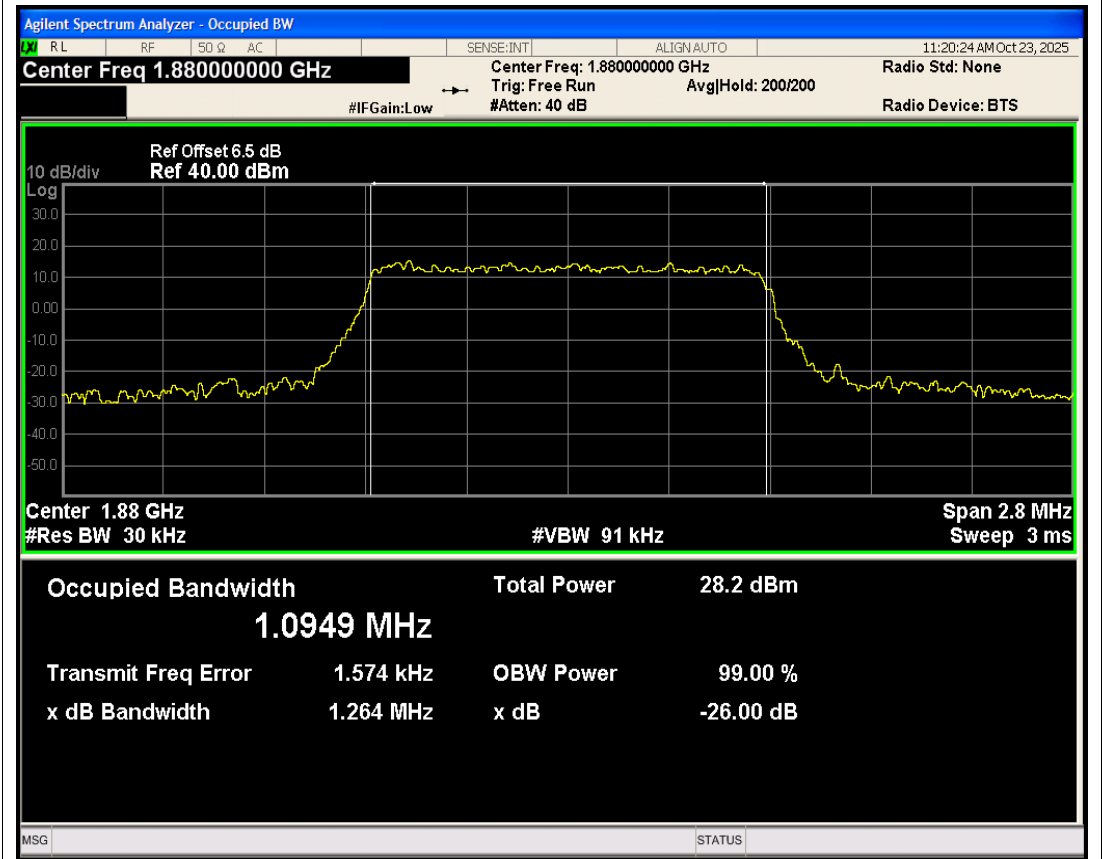
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0

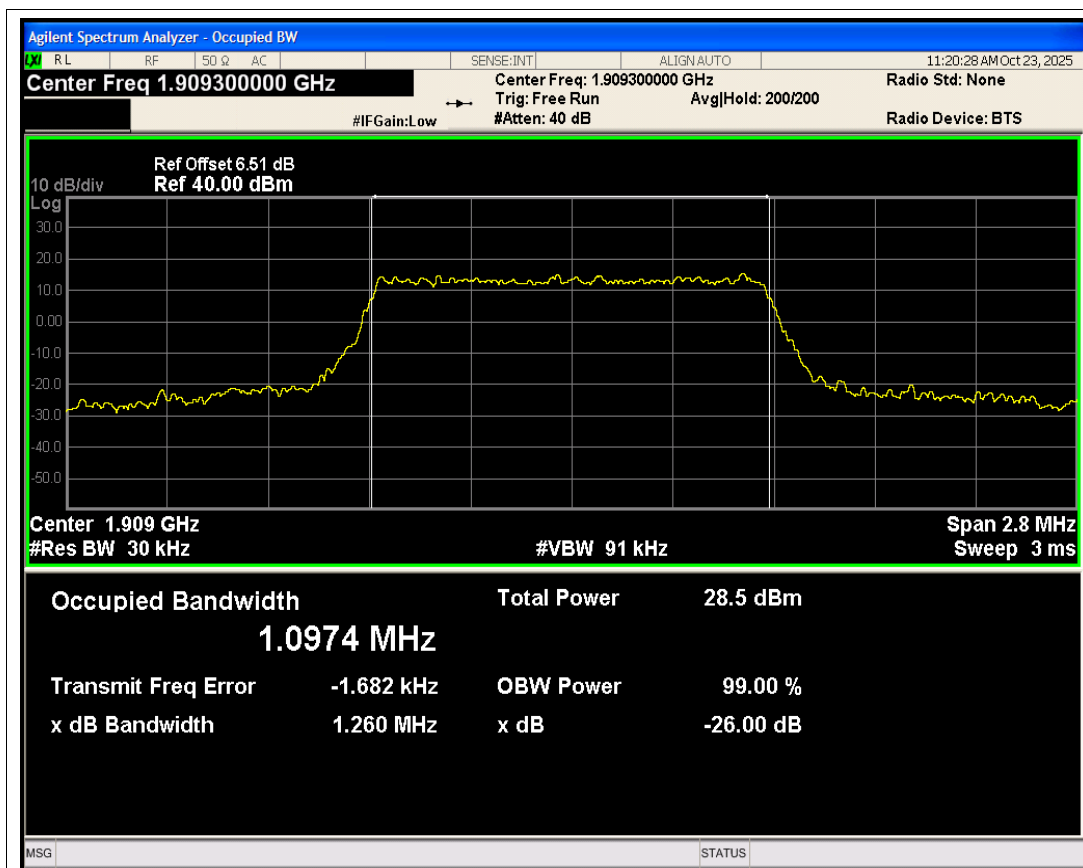


Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0

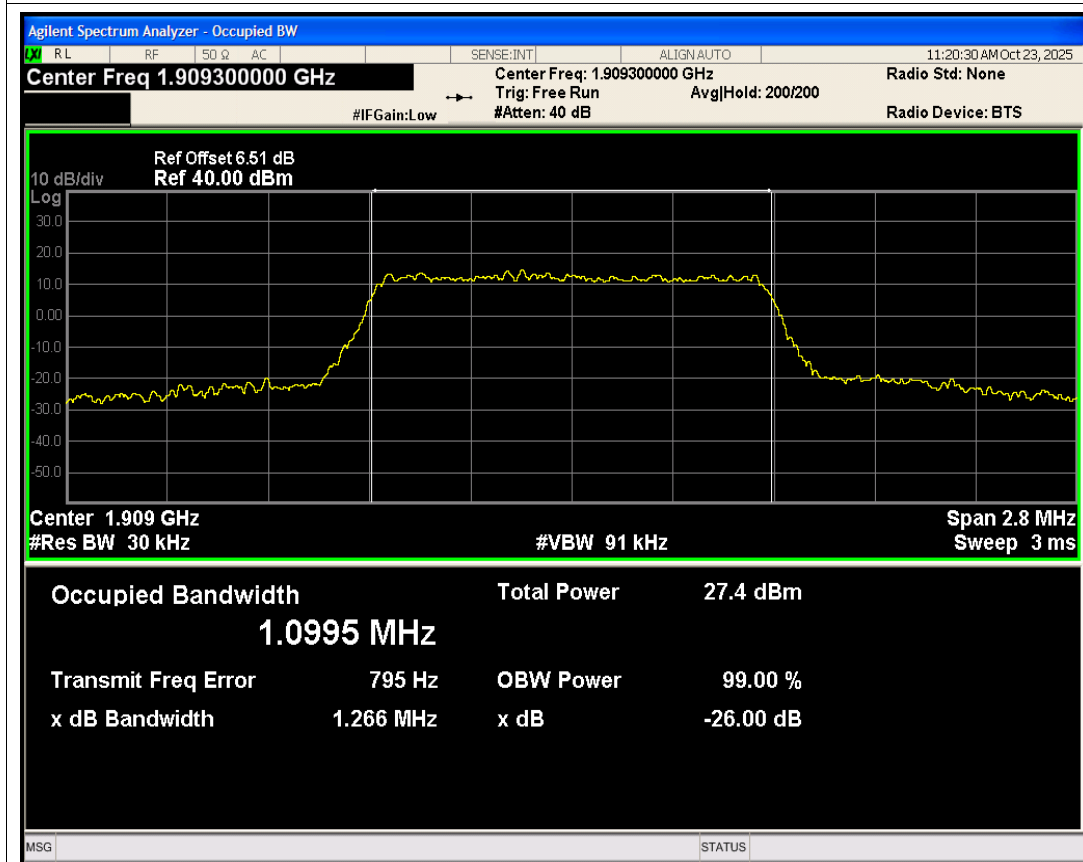


Band2 16QAM BW=1.4MHz Channel=18900 RB Size=6 Position=#0

# Report No.: STS2512370W01\_Appendix LTE Band 2

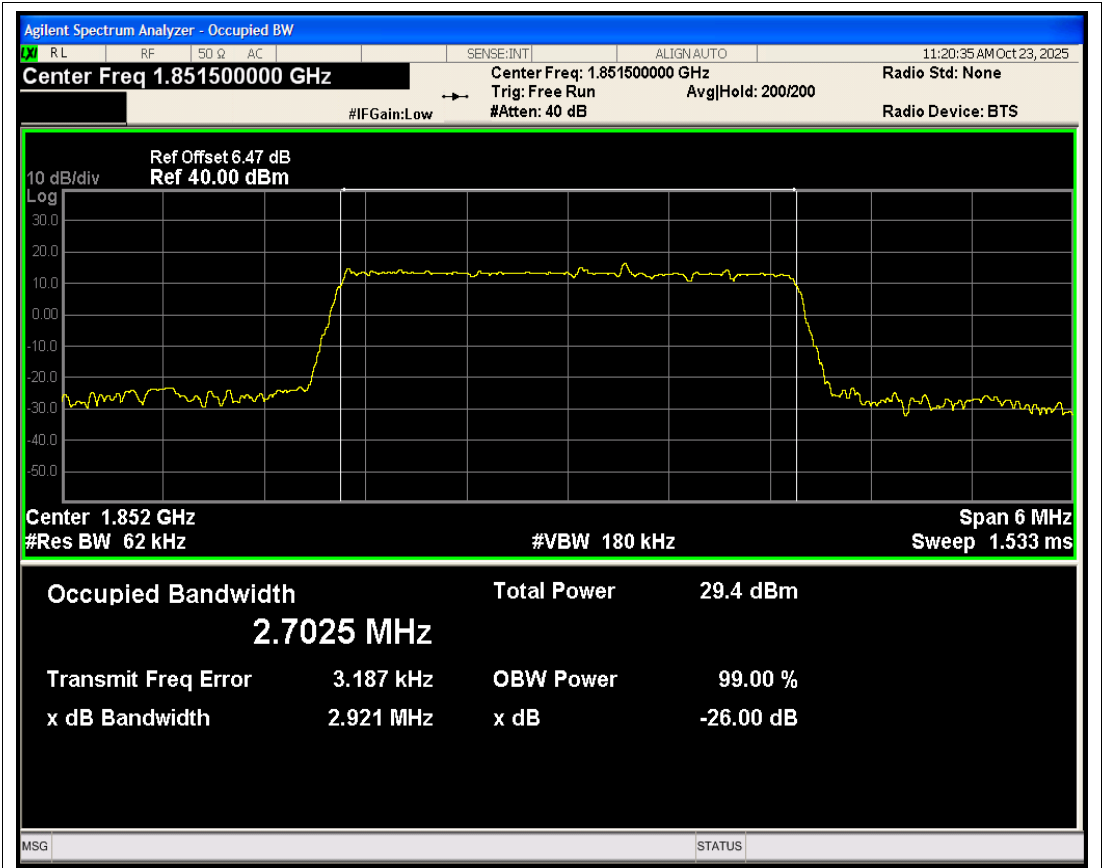


Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0

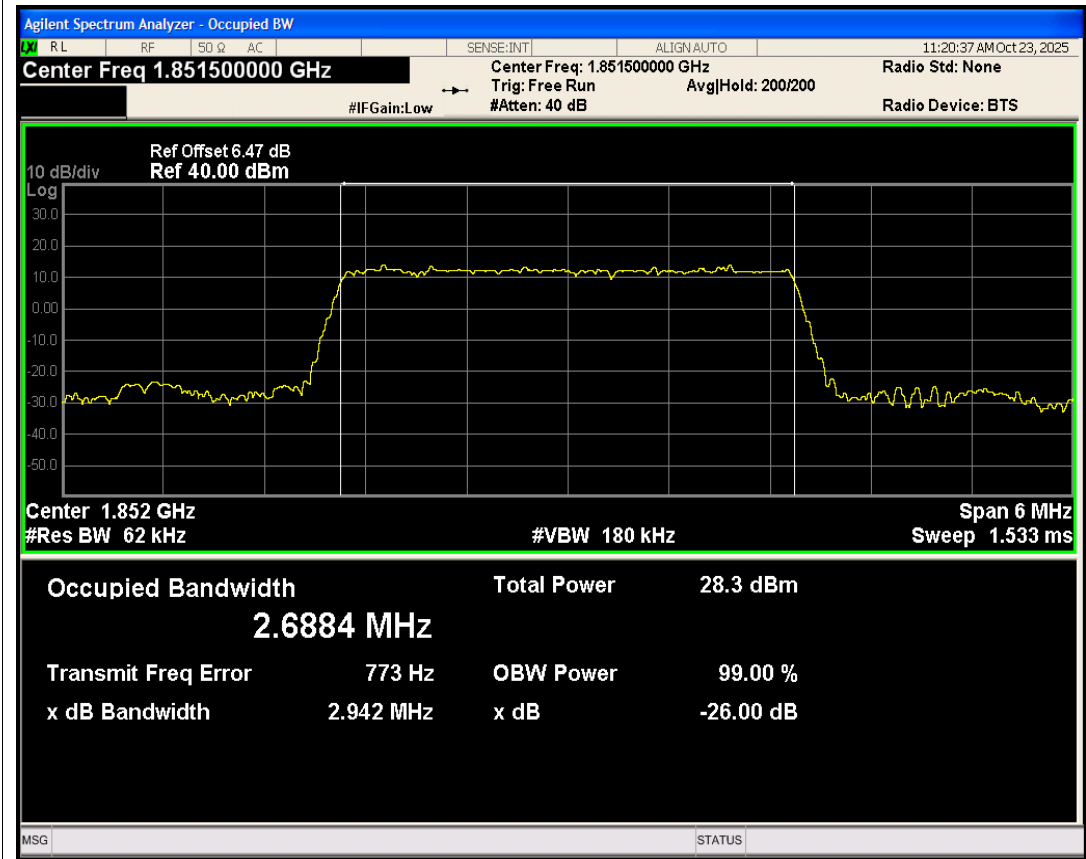


Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0

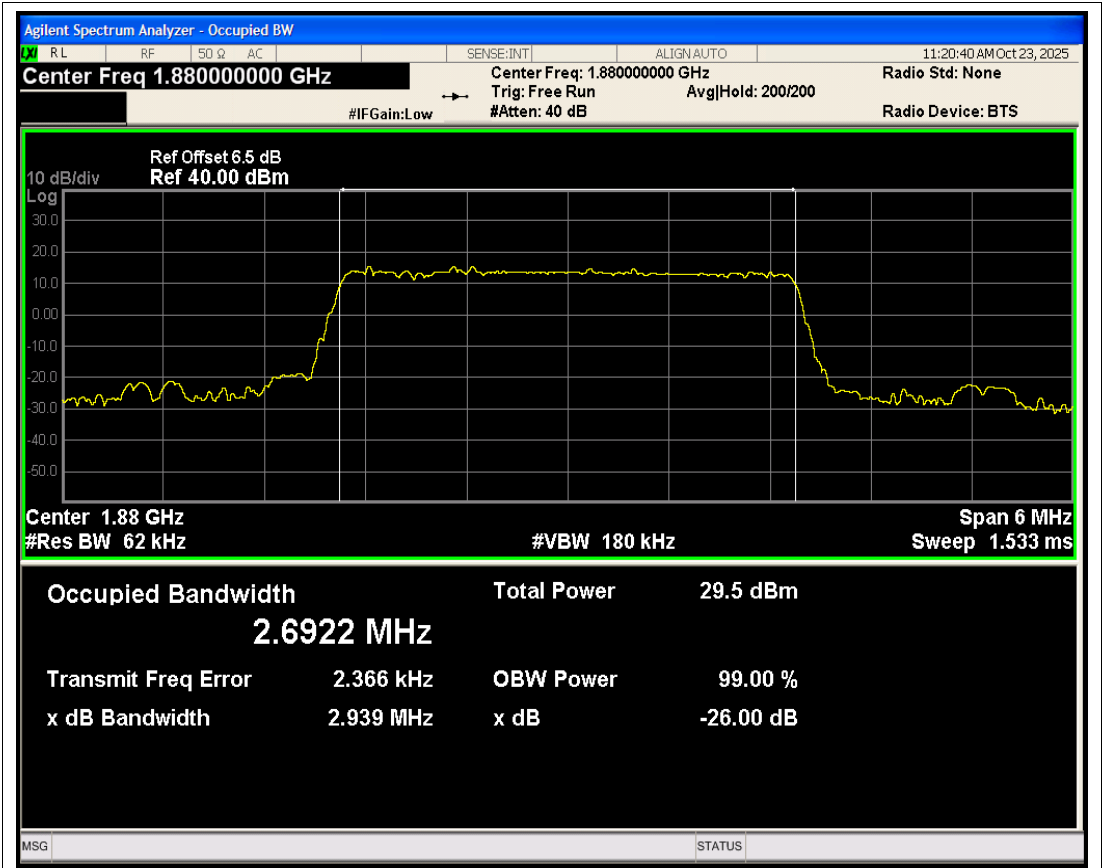
Report No.: STS2512370W01\_Appendix LTE Band 2



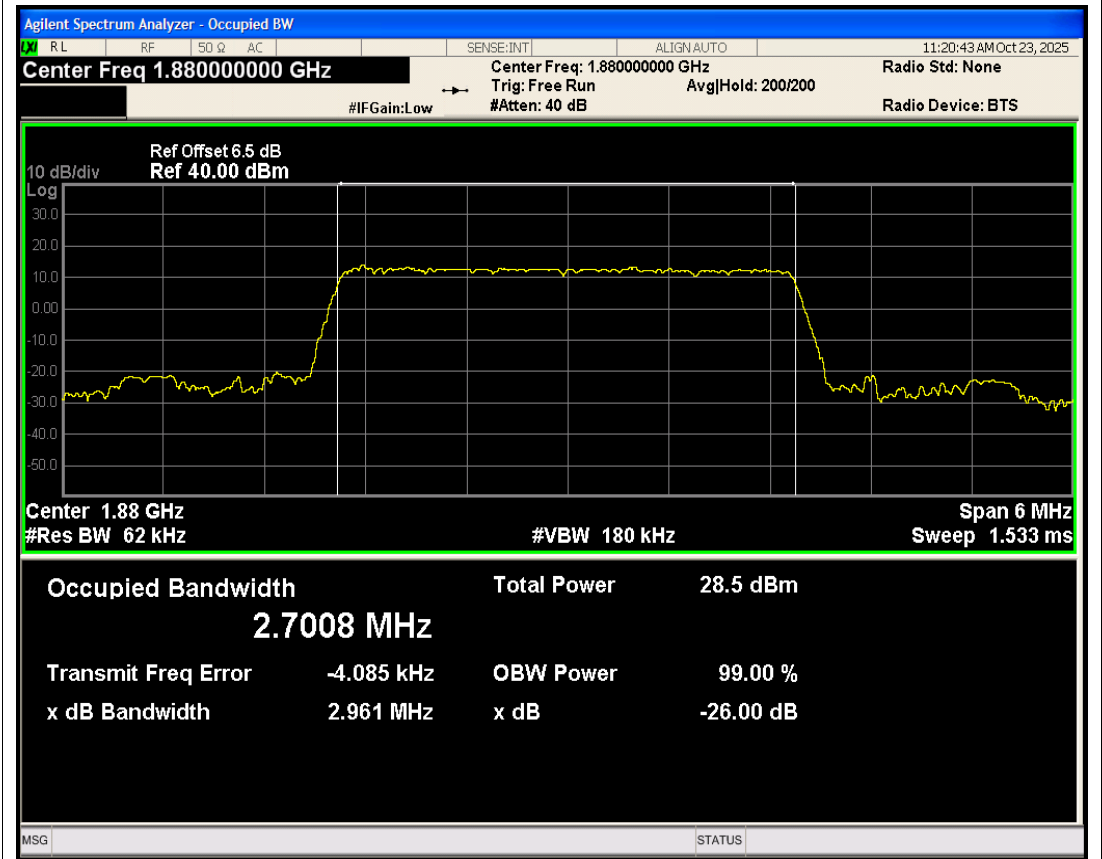
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



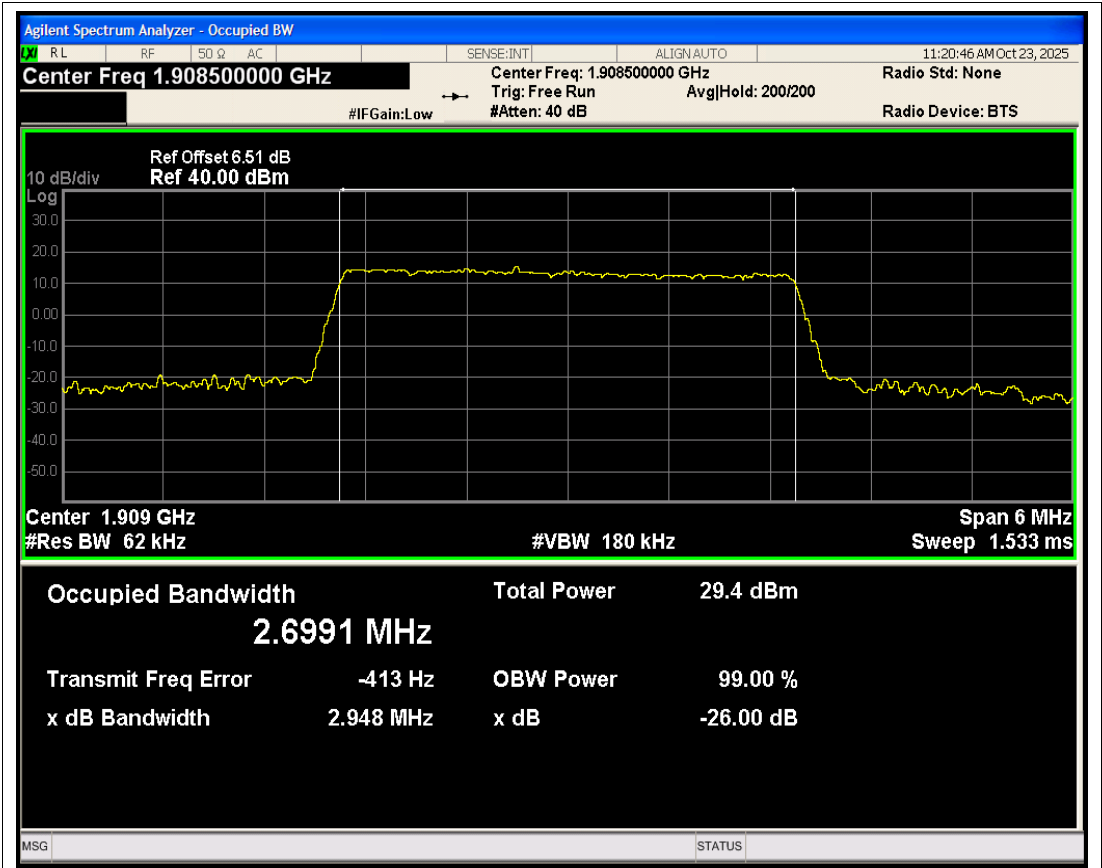
Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



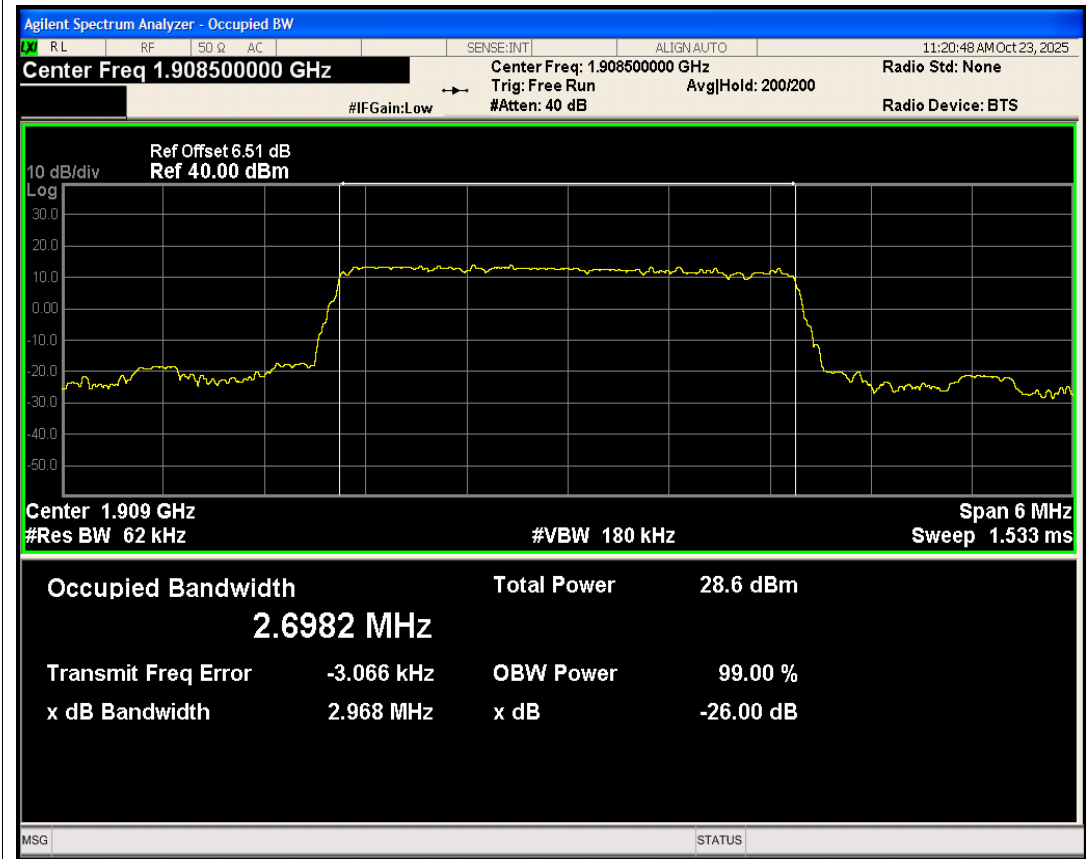
Band2 QPSK BW=3MHz Channel=18900 RB Size=15 Position=#0



Band2 16QAM BW=3MHz Channel=18900 RB Size=15 Position=#0

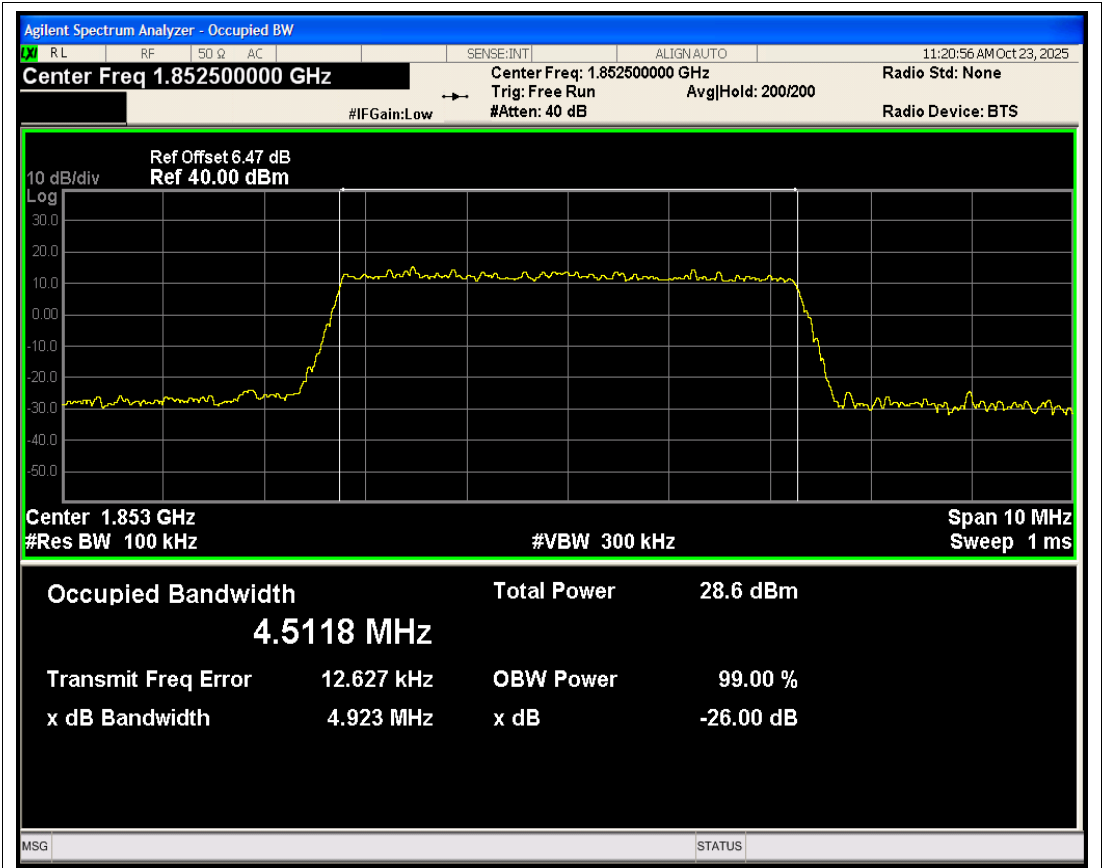


Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0

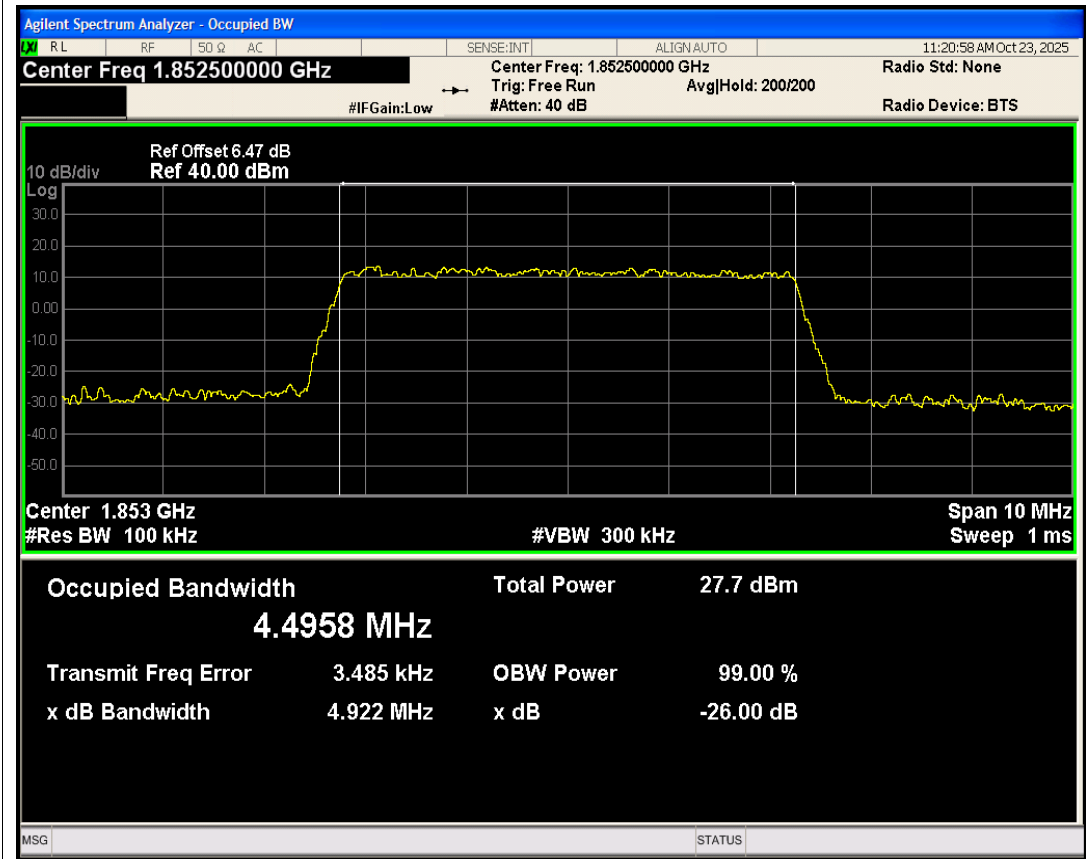


Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0

Report No.: STS2512370W01\_Appendix LTE Band 2

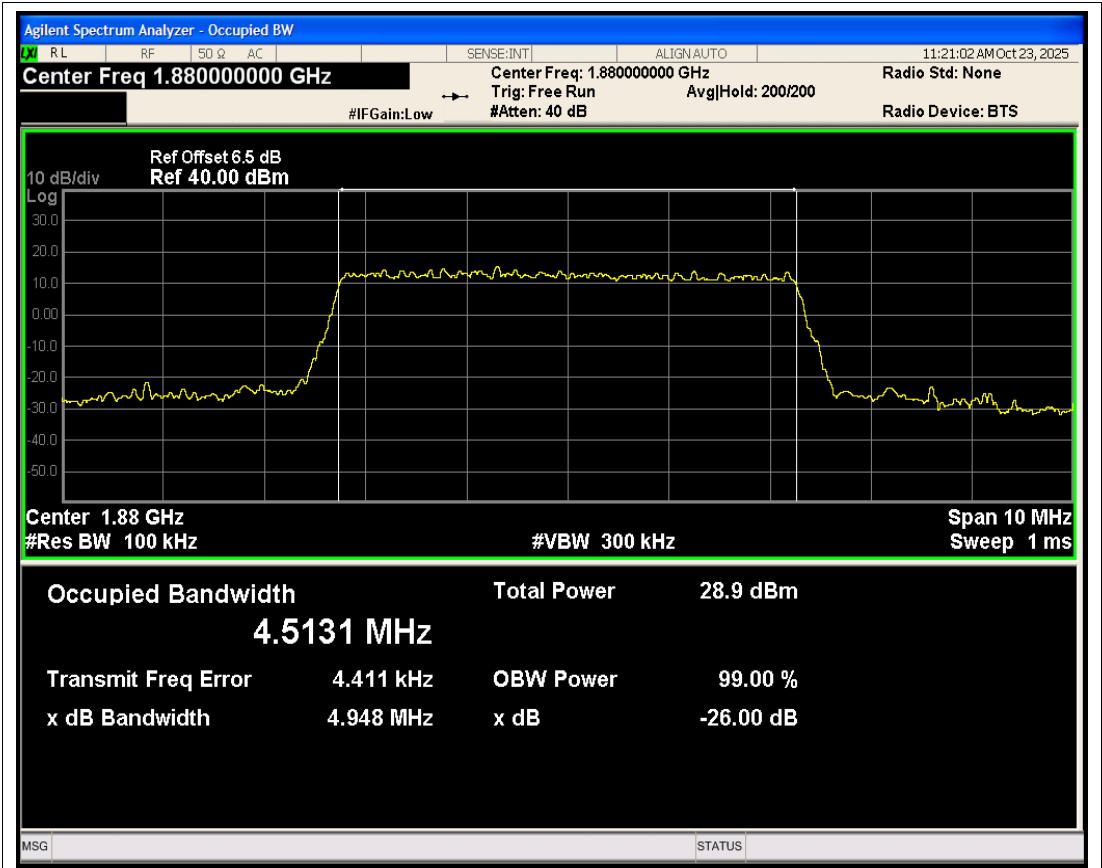


Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0

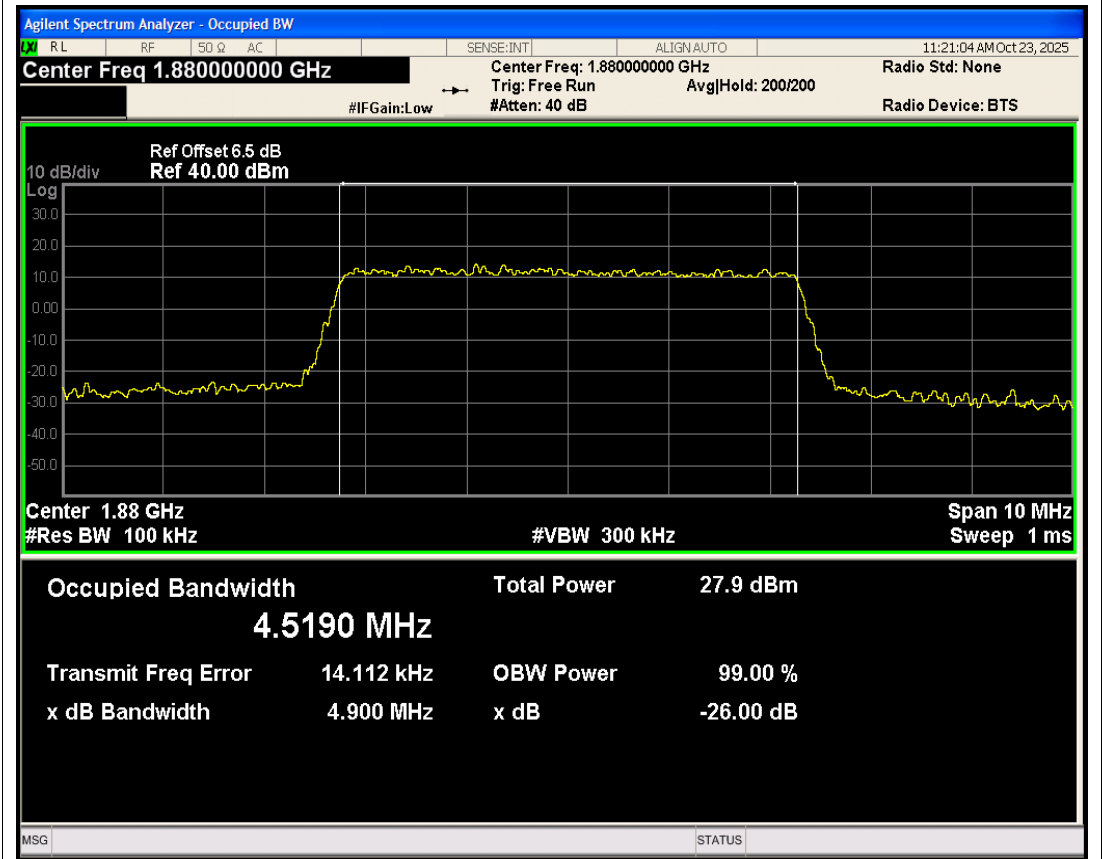


Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0

Report No.: STS2512370W01\_Appendix LTE Band 2

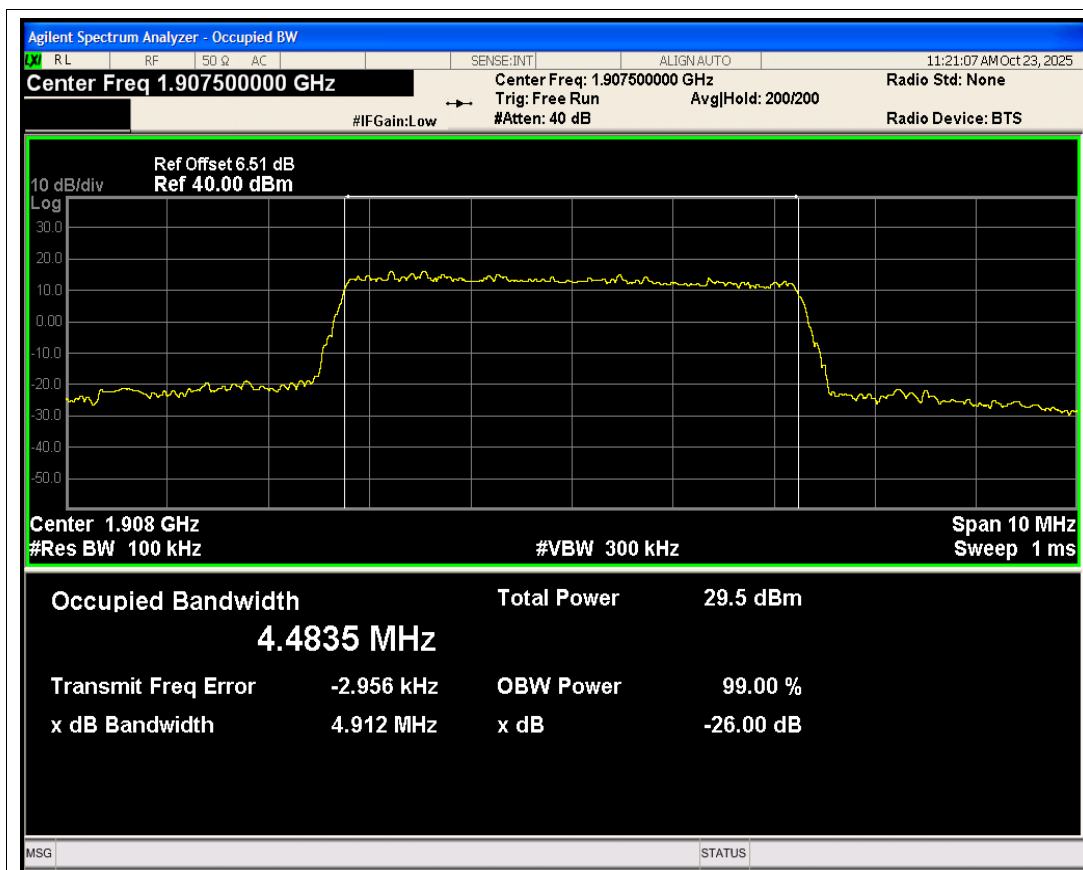


Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0

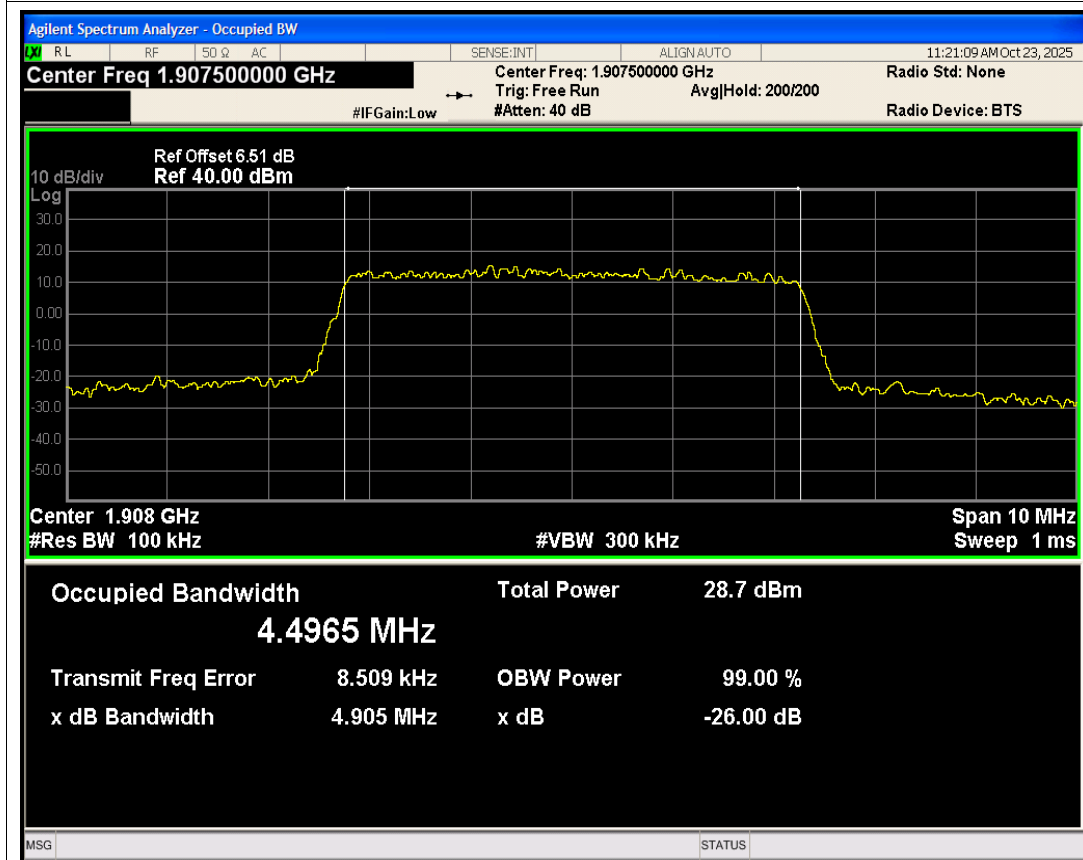


Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0

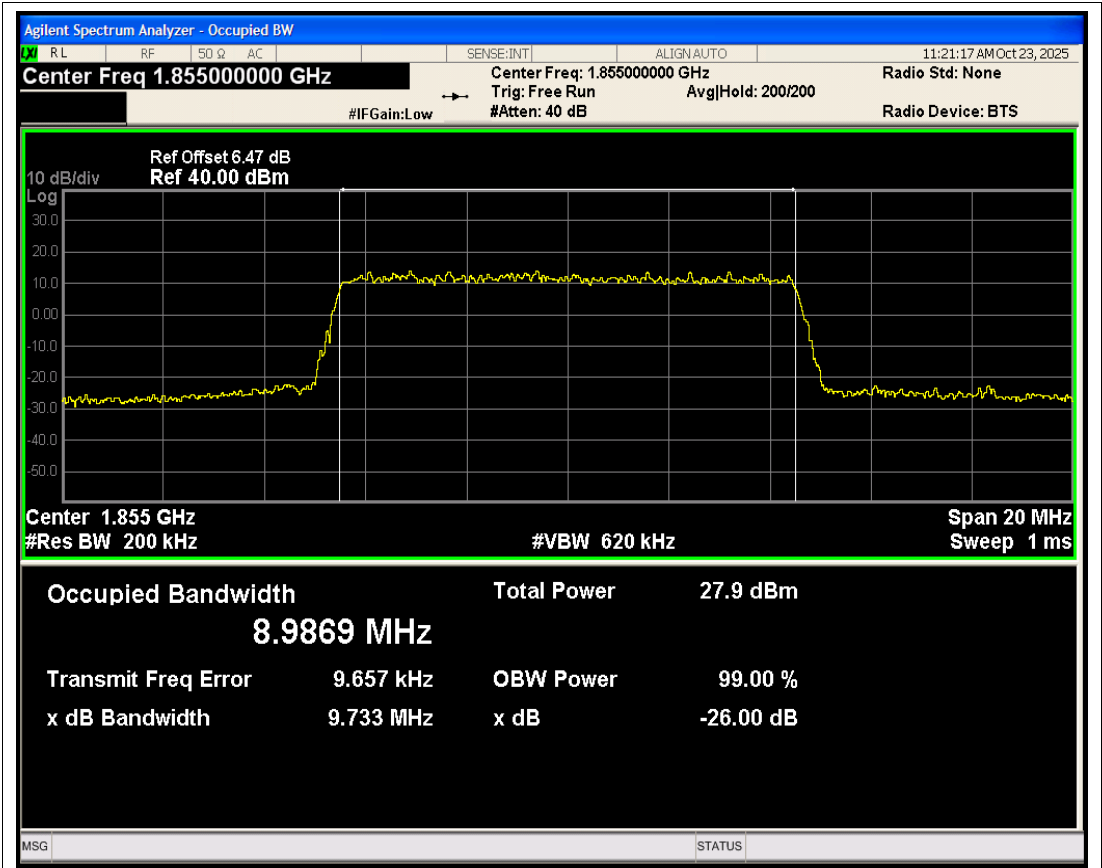
# Report No.: STS2512370W01\_Appendix LTE Band 2



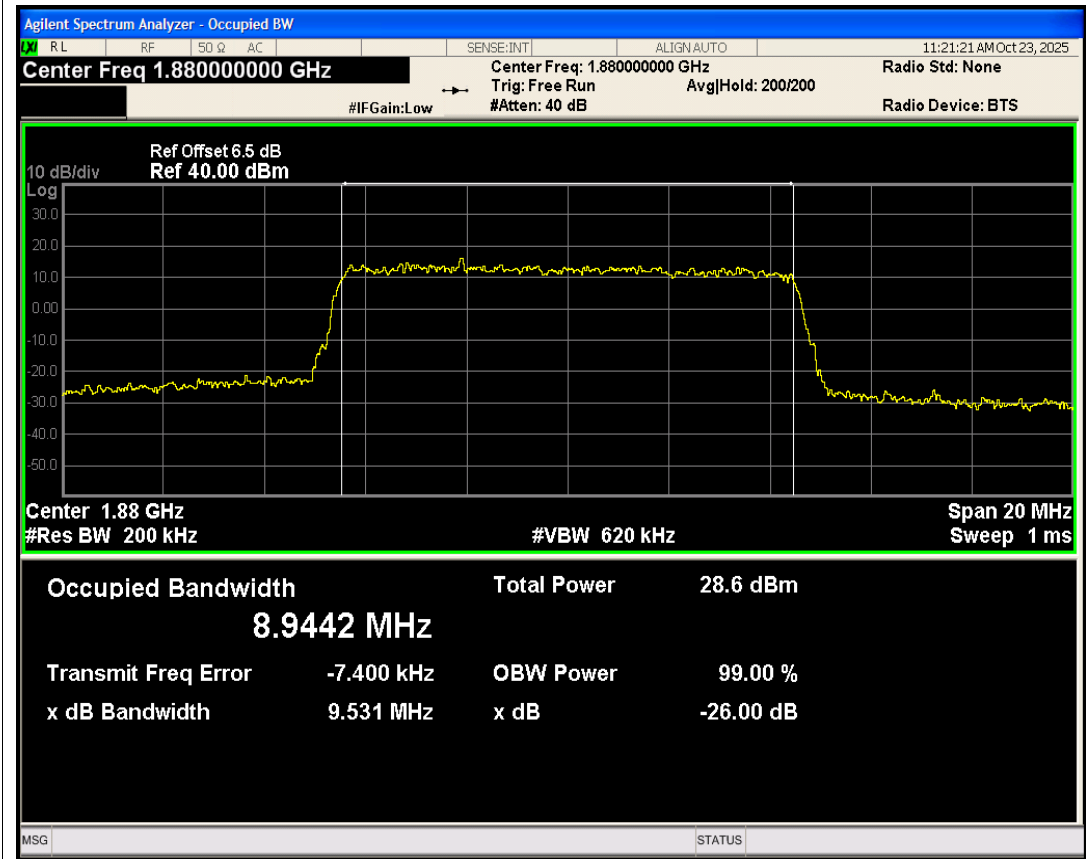
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0

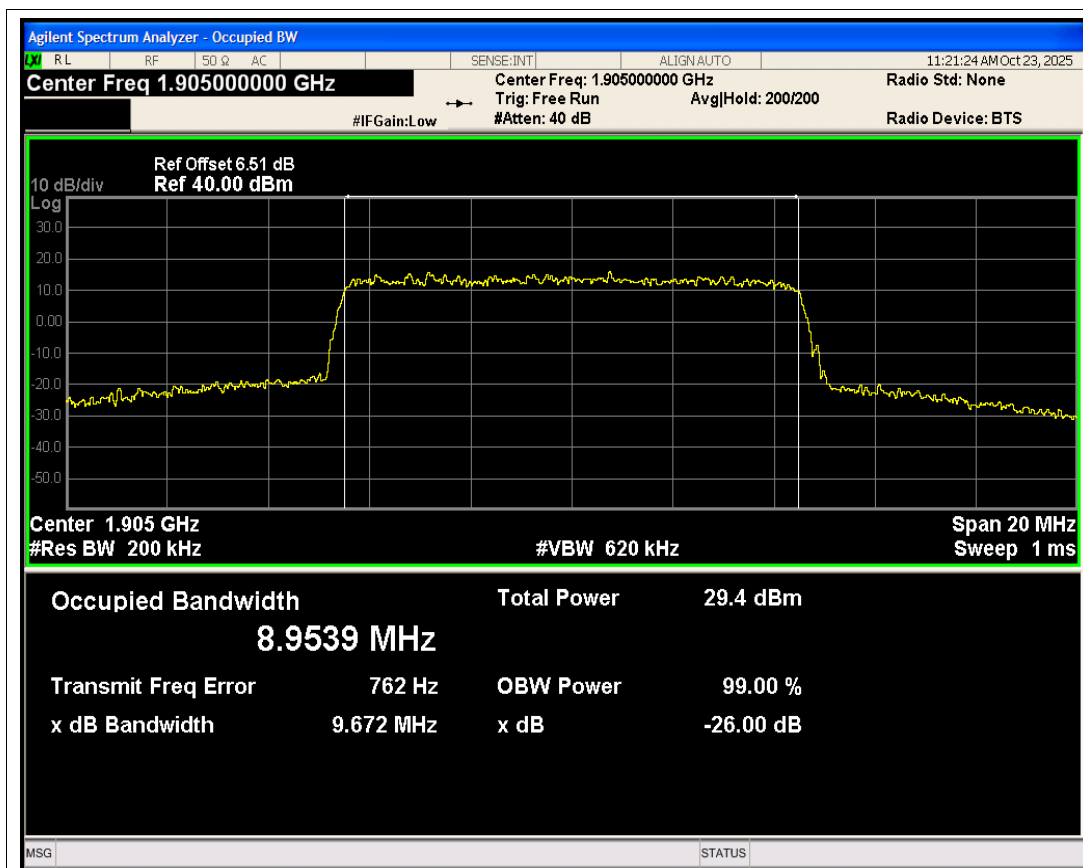


Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0

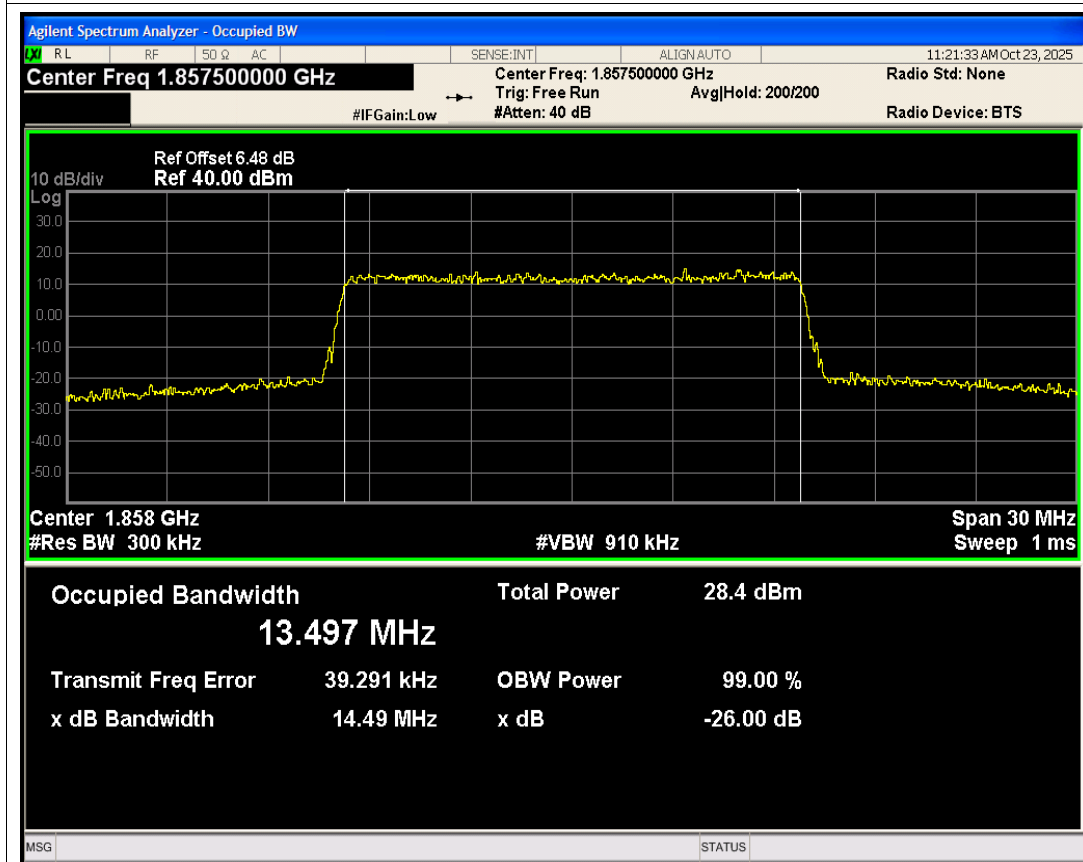


Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0

# Report No.: STS2512370W01\_Appendix LTE Band 2

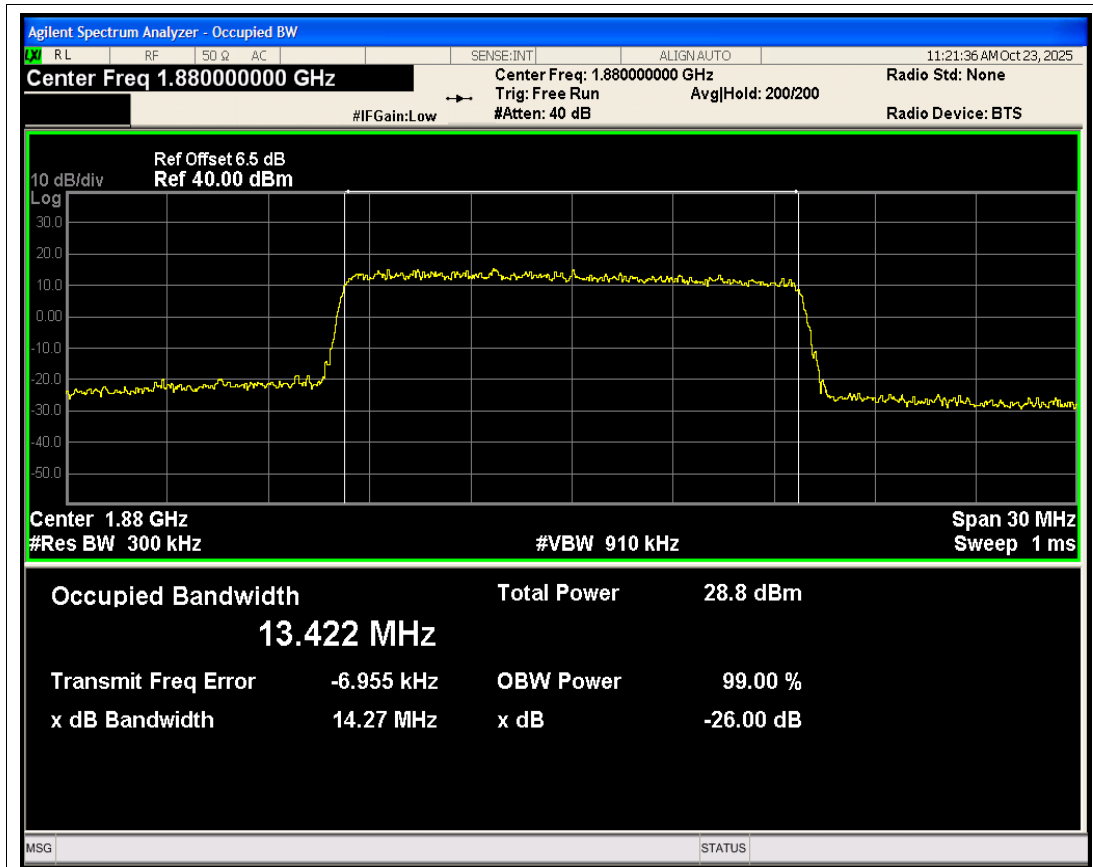


Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0

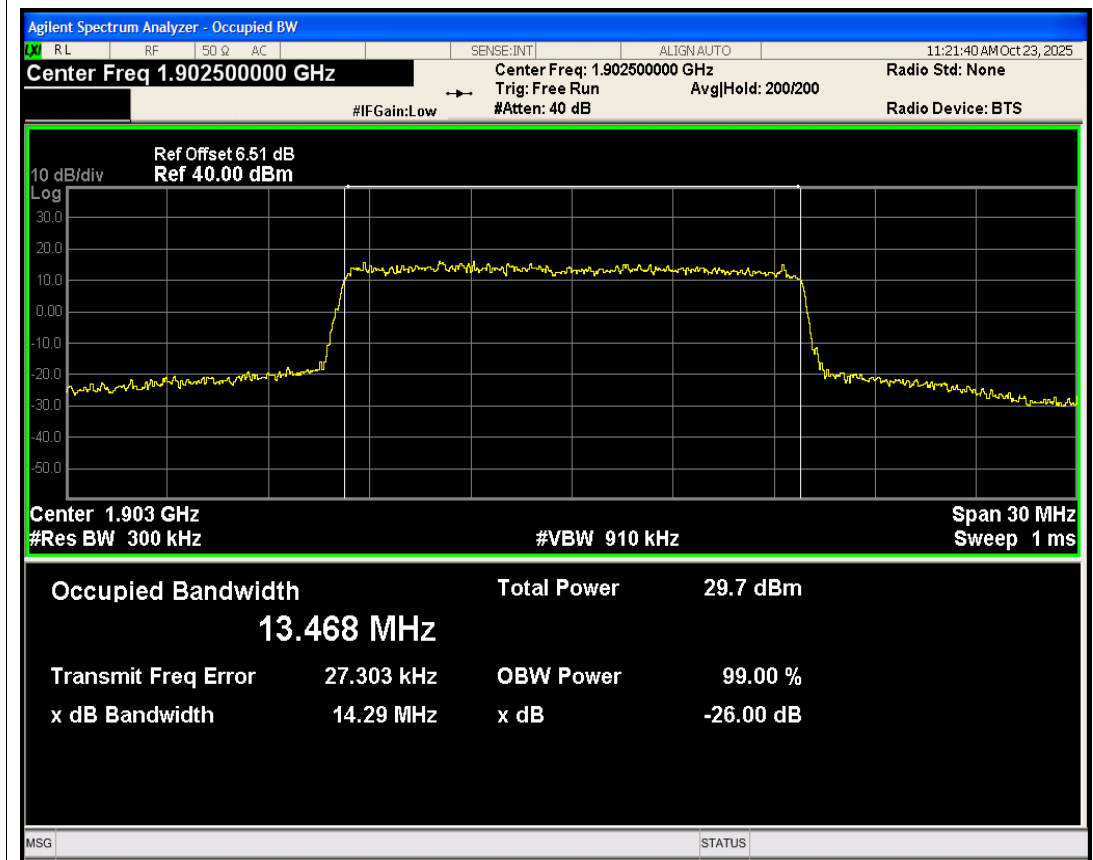


Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0

Report No.: STS2512370W01\_Appendix LTE Band 2

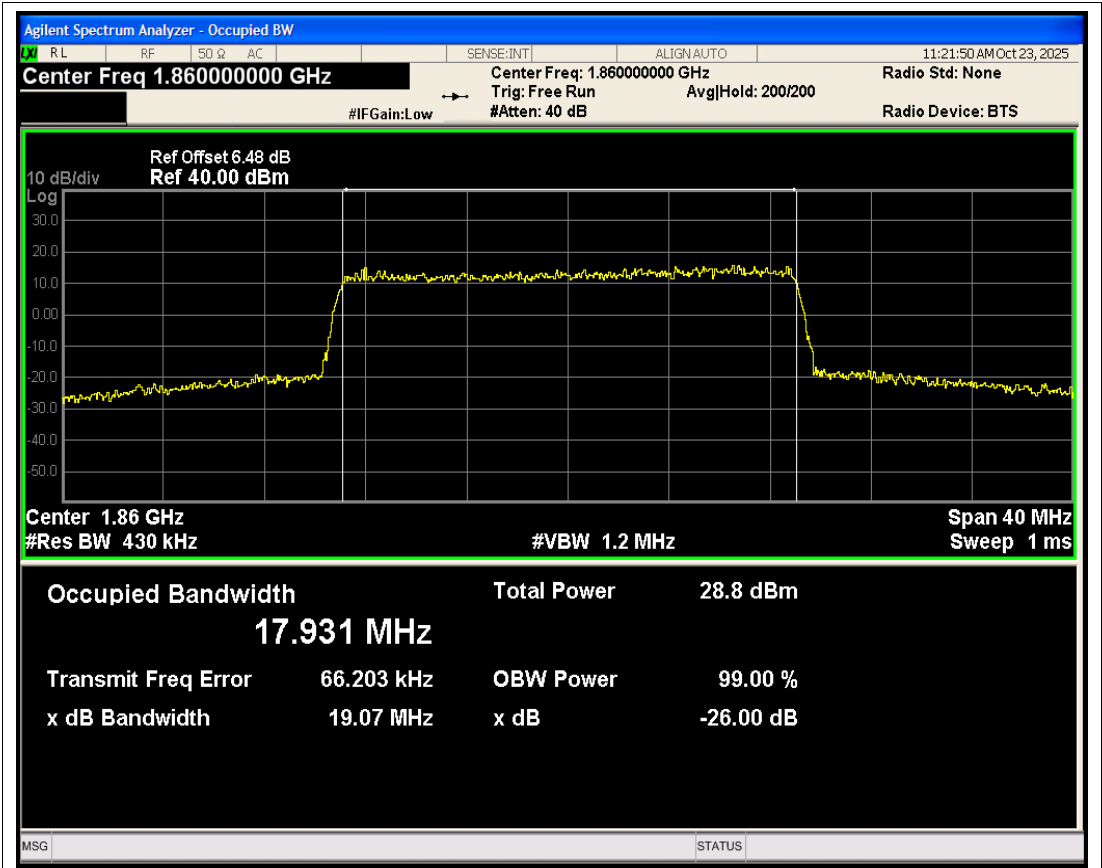


Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0

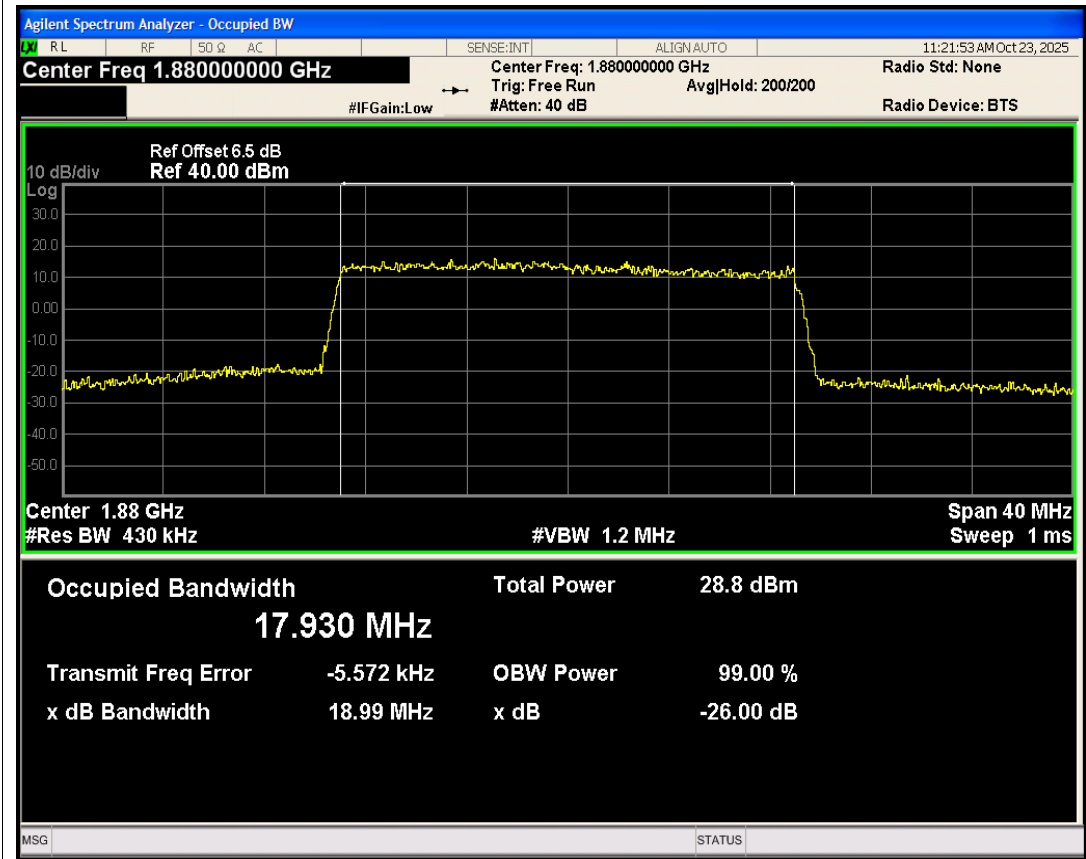


Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0

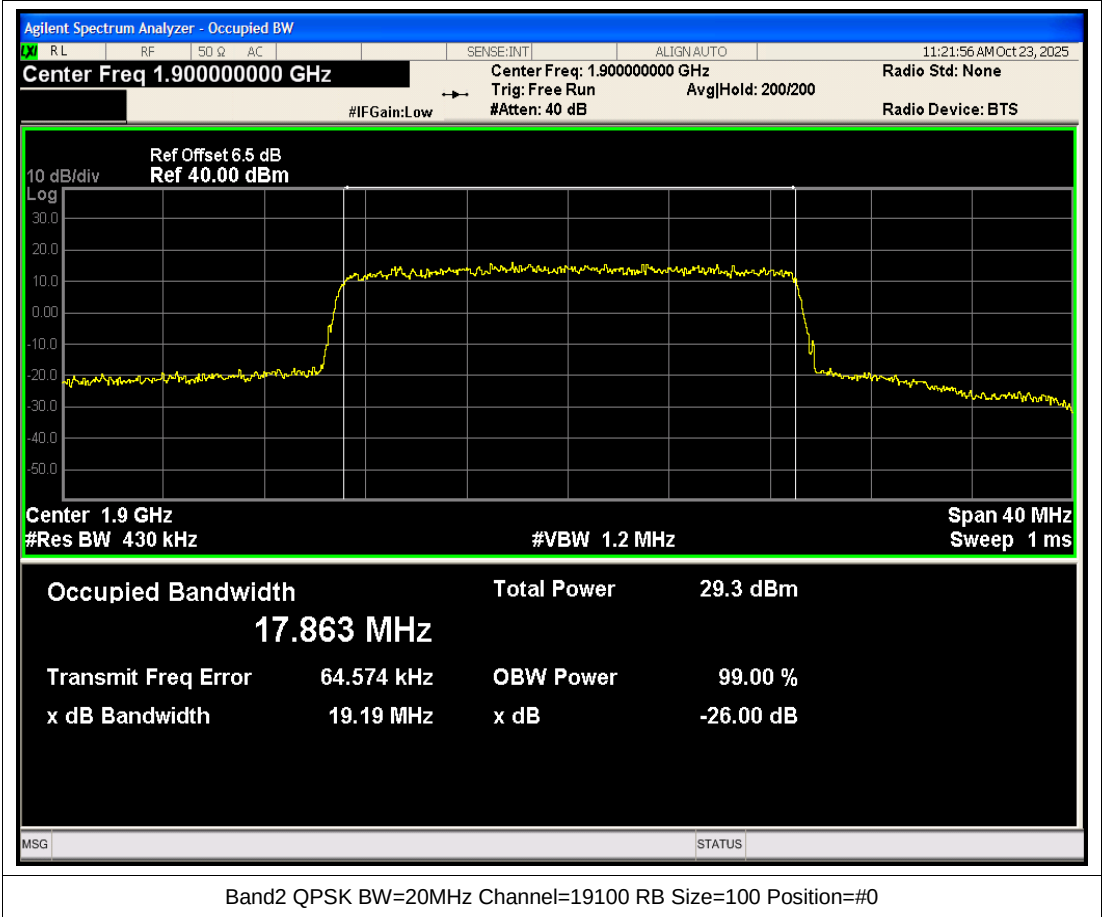
Report No.: STS2512370W01\_Appendix LTE Band 2



Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0

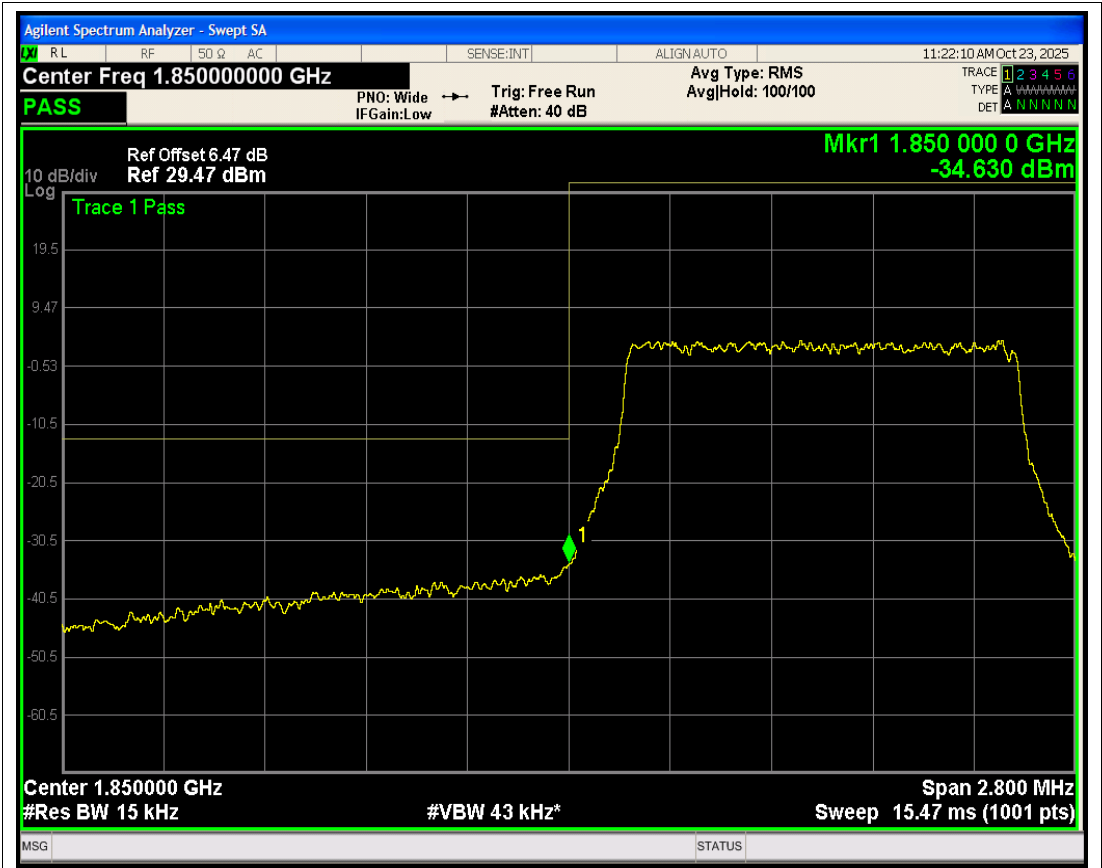


Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0

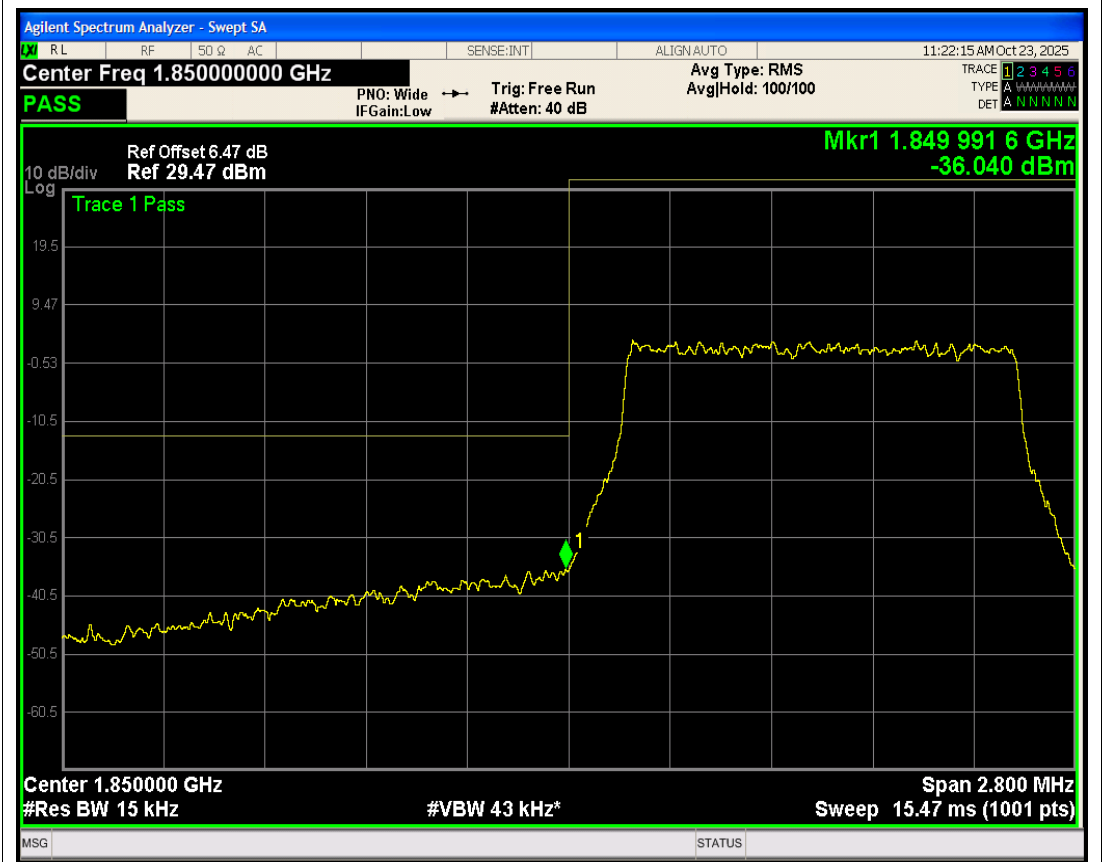


**Appendix 5.Band edge**

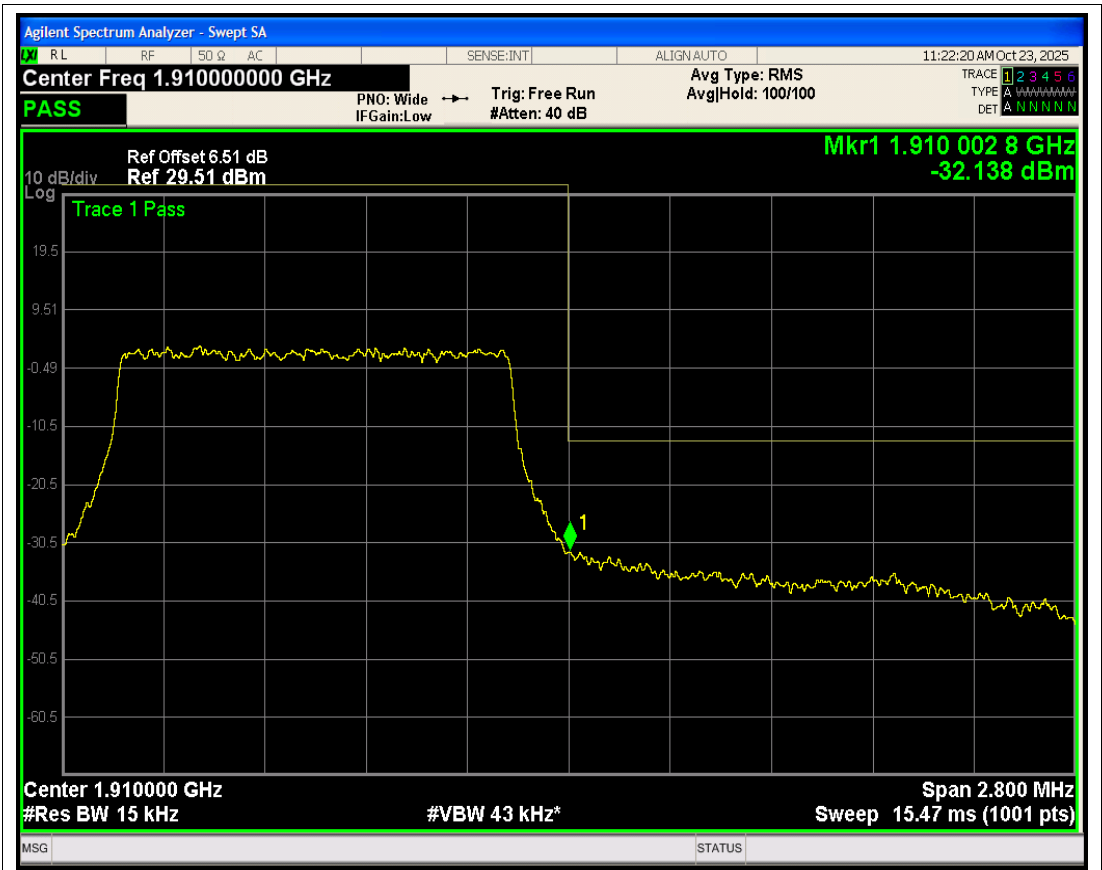
| <i>Band</i> | <i>Bandwidth<br/>(MHz)</i> | <i>UL<br/>Channel</i> | <i>RB<br/>Size</i> | <i>RB<br/>Position</i> | <i>Modulation</i> | <i>Spur Freq<br/>(MHz)</i> | <i>Spur Level<br/>(dBm)</i> | <i>Limit<br/>(dBm)</i> | <i>Verdict</i> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|----------------------------|-----------------------------|------------------------|----------------|
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | QPSK              | 1850.00                    | -34.63                      | -13                    | PASS           |
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | 16QAM             | 1849.99                    | -36.03                      | -13                    | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | QPSK              | 1910.00                    | -32.13                      | -13                    | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | 16QAM             | 1910.06                    | -31.53                      | -13                    | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | QPSK              | 1850.00                    | -32.80                      | -13                    | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | 16QAM             | 1849.99                    | -34.10                      | -13                    | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | QPSK              | 1910.01                    | -31.06                      | -13                    | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | 16QAM             | 1910.02                    | -33.38                      | -13                    | PASS           |
| Band2       | 5                          | 18625                 | 25                 | #0                     | QPSK              | 1849.99                    | -32.00                      | -13                    | PASS           |
| Band2       | 5                          | 18625                 | 25                 | #0                     | 16QAM             | 1850.00                    | -33.32                      | -13                    | PASS           |
| Band2       | 5                          | 19175                 | 25                 | #0                     | QPSK              | 1910.05                    | -31.75                      | -13                    | PASS           |
| Band2       | 5                          | 19175                 | 25                 | #0                     | 16QAM             | 1910.00                    | -32.47                      | -13                    | PASS           |
| Band2       | 10                         | 18650                 | 50                 | #0                     | QPSK              | 1850.00                    | -33.31                      | -13                    | PASS           |
| Band2       | 10                         | 19150                 | 50                 | #0                     | QPSK              | 1910.00                    | -30.34                      | -13                    | PASS           |
| Band2       | 15                         | 18675                 | 75                 | #0                     | QPSK              | 1849.70                    | -30.93                      | -13                    | PASS           |
| Band2       | 15                         | 19125                 | 75                 | #0                     | QPSK              | 1910.00                    | -31.12                      | -13                    | PASS           |
| Band2       | 20                         | 18700                 | 100                | #0                     | QPSK              | 1849.68                    | -31.17                      | -13                    | PASS           |
| Band2       | 20                         | 19100                 | 100                | #0                     | QPSK              | 1910.04                    | -29.59                      | -13                    | PASS           |



Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0

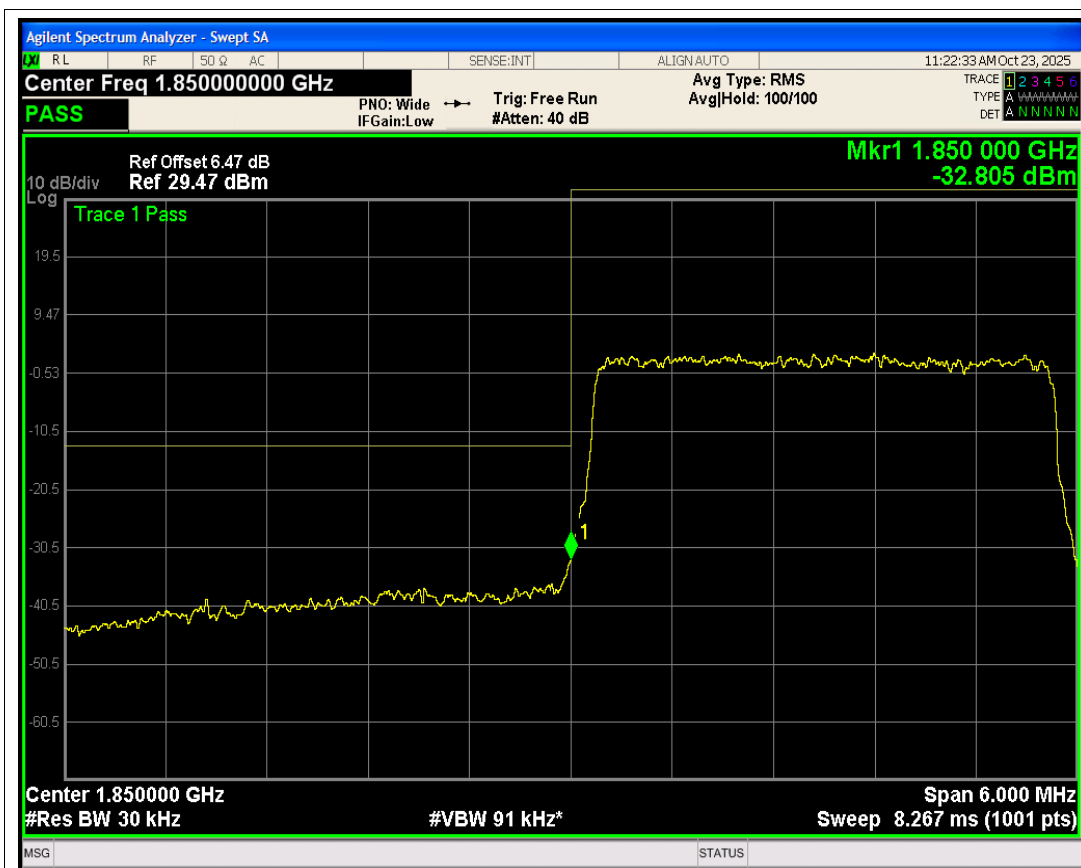


Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0

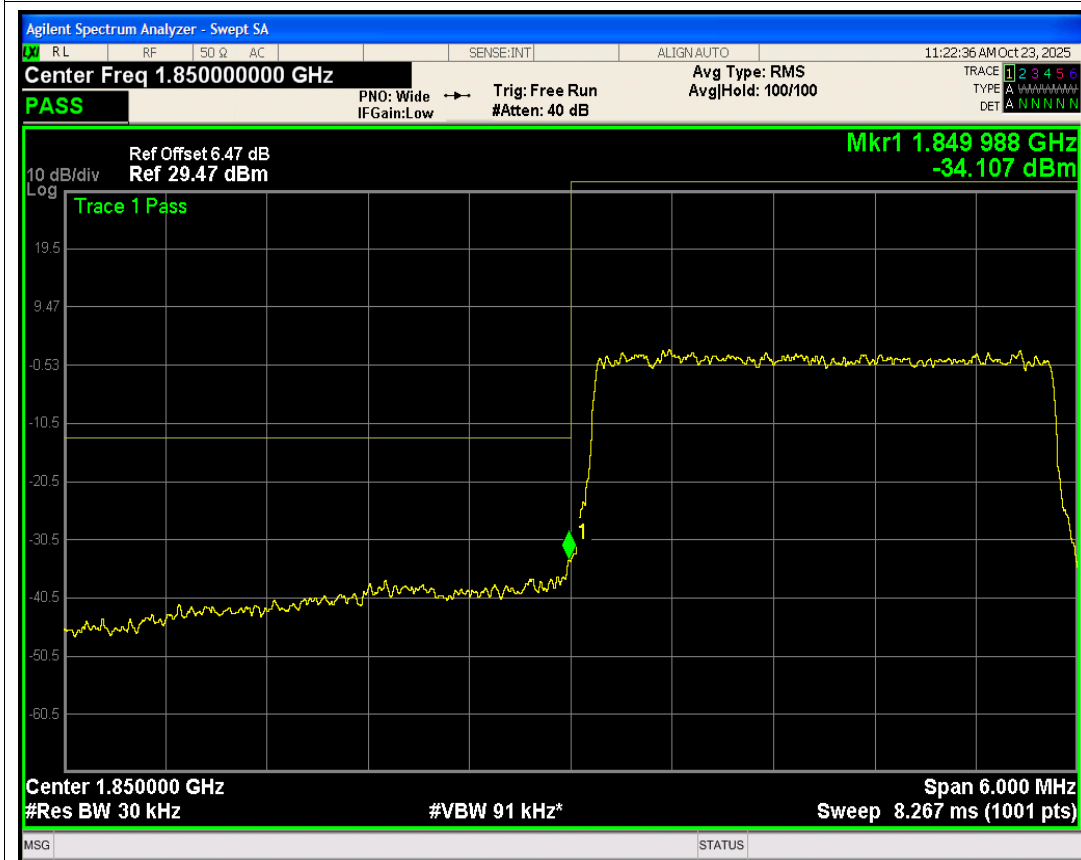


Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0

# Report No.: STS2512370W01\_Appendix LTE Band 2



Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0

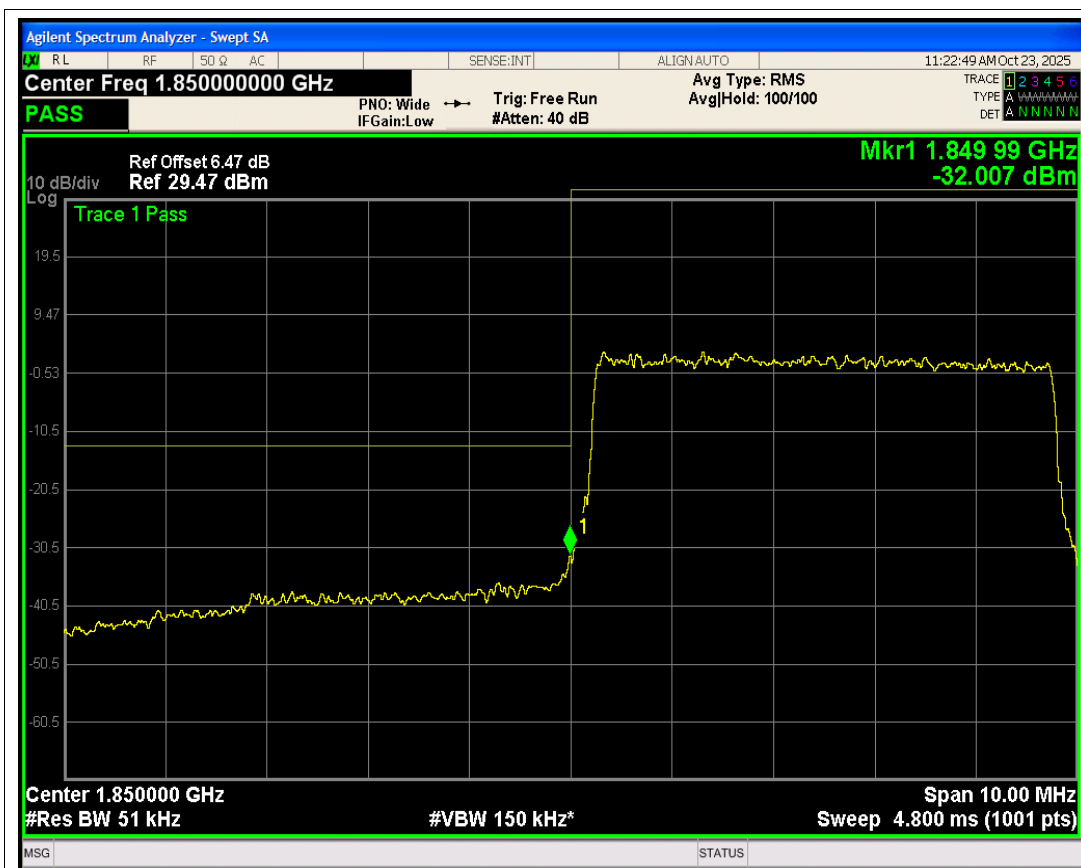


Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0

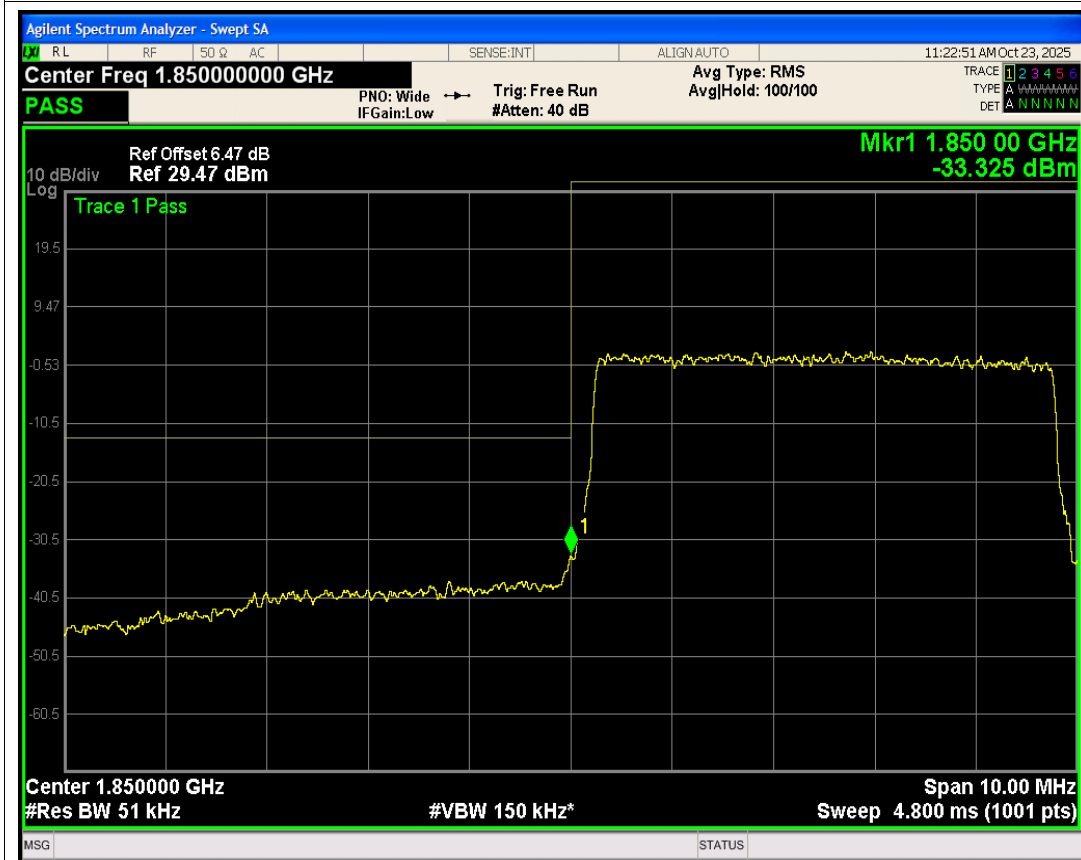


Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0

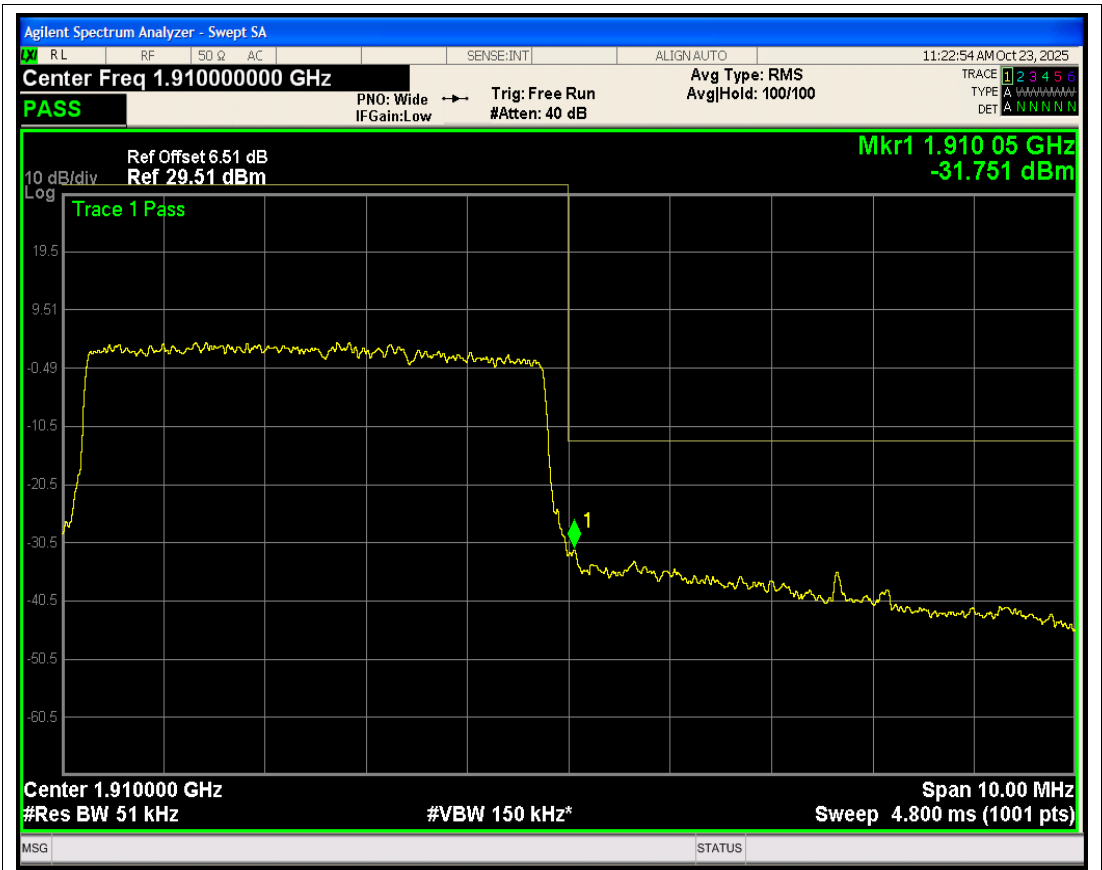
# Report No.: STS2512370W01\_Appendix LTE Band 2



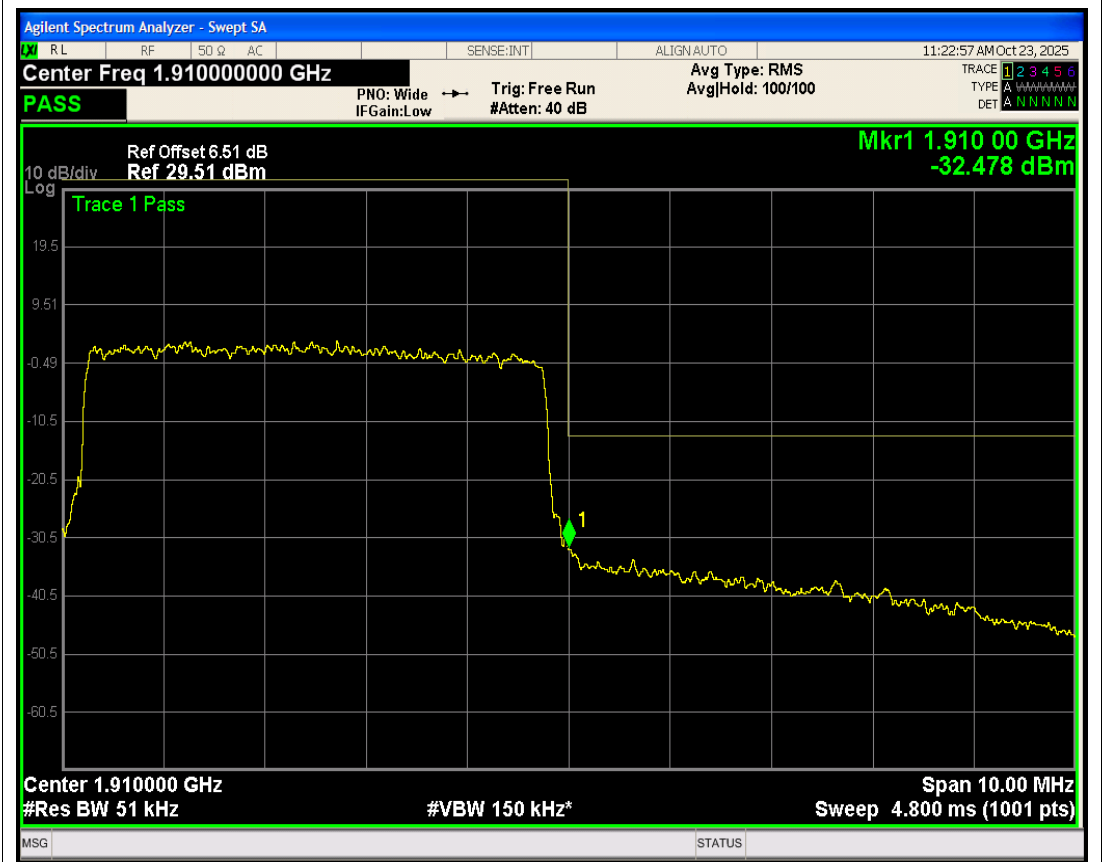
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0

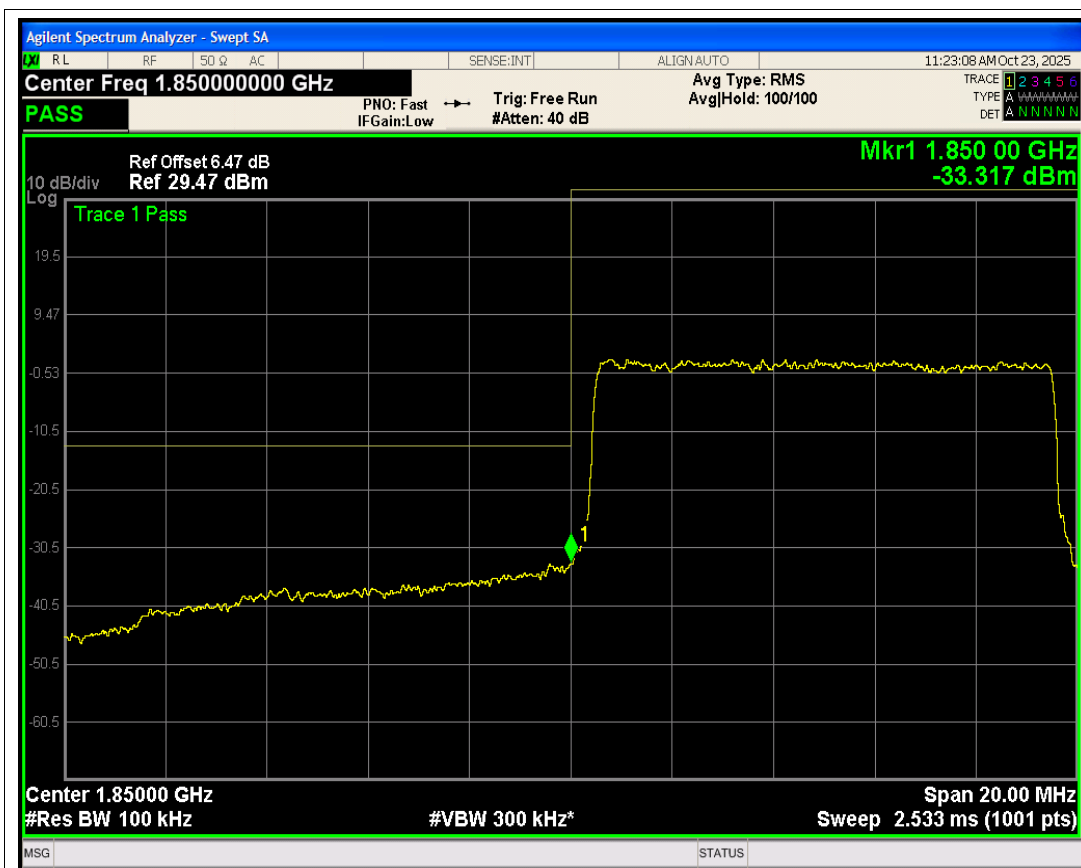


Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0

# Report No.: STS2512370W01\_Appendix LTE Band 2



Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0

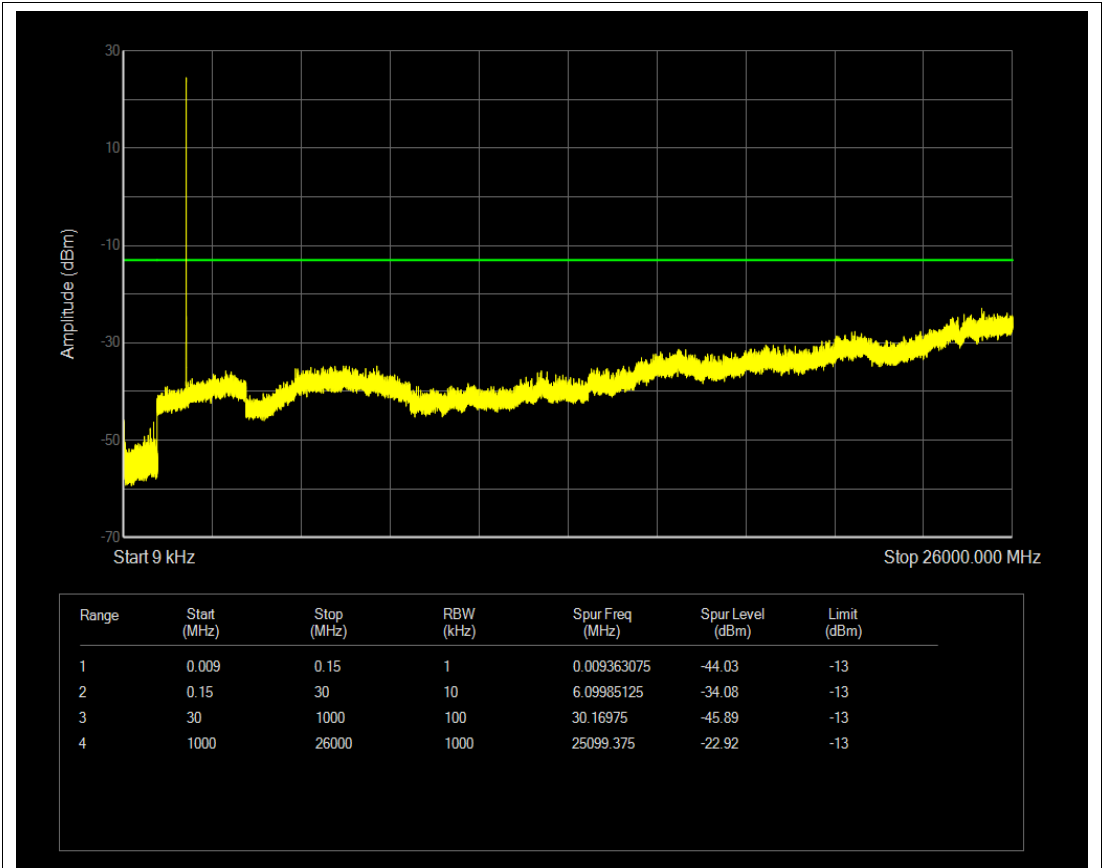


Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0

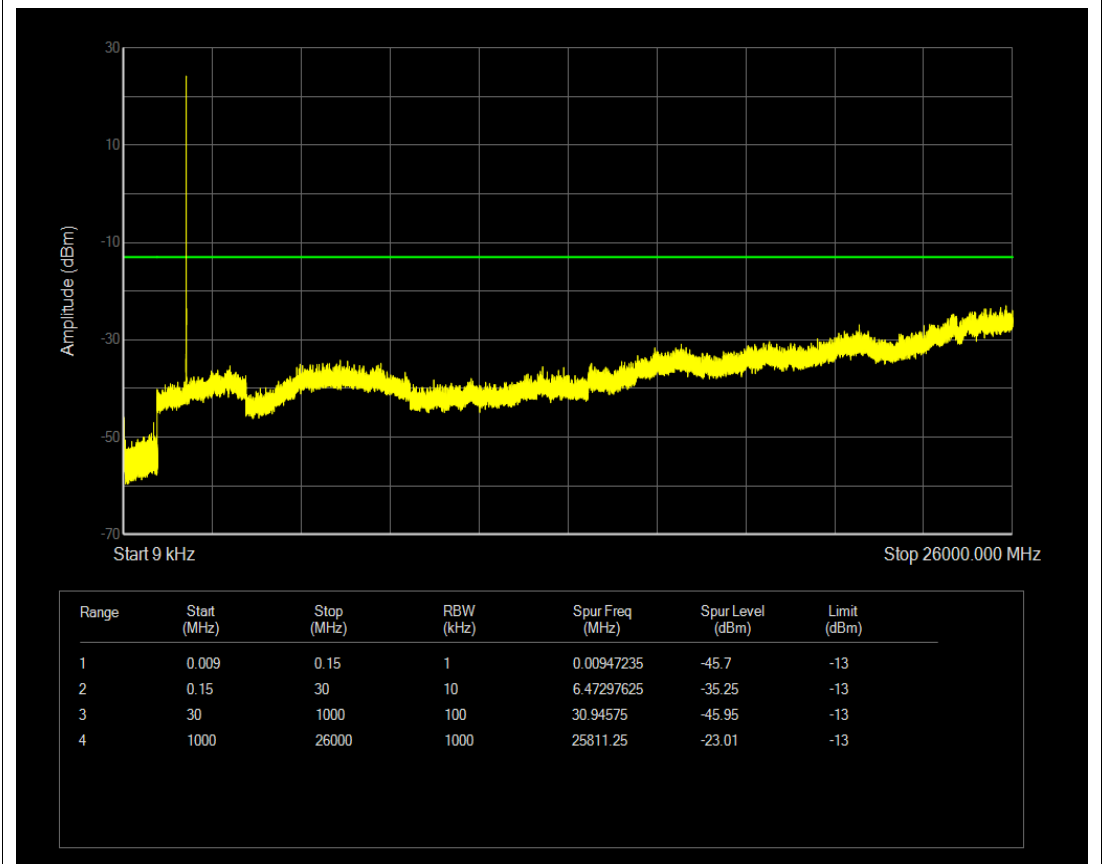
Report No.: STS2512370W01\_Appendix LTE Band 2

**Appendix 6.Out-of-band emissions**

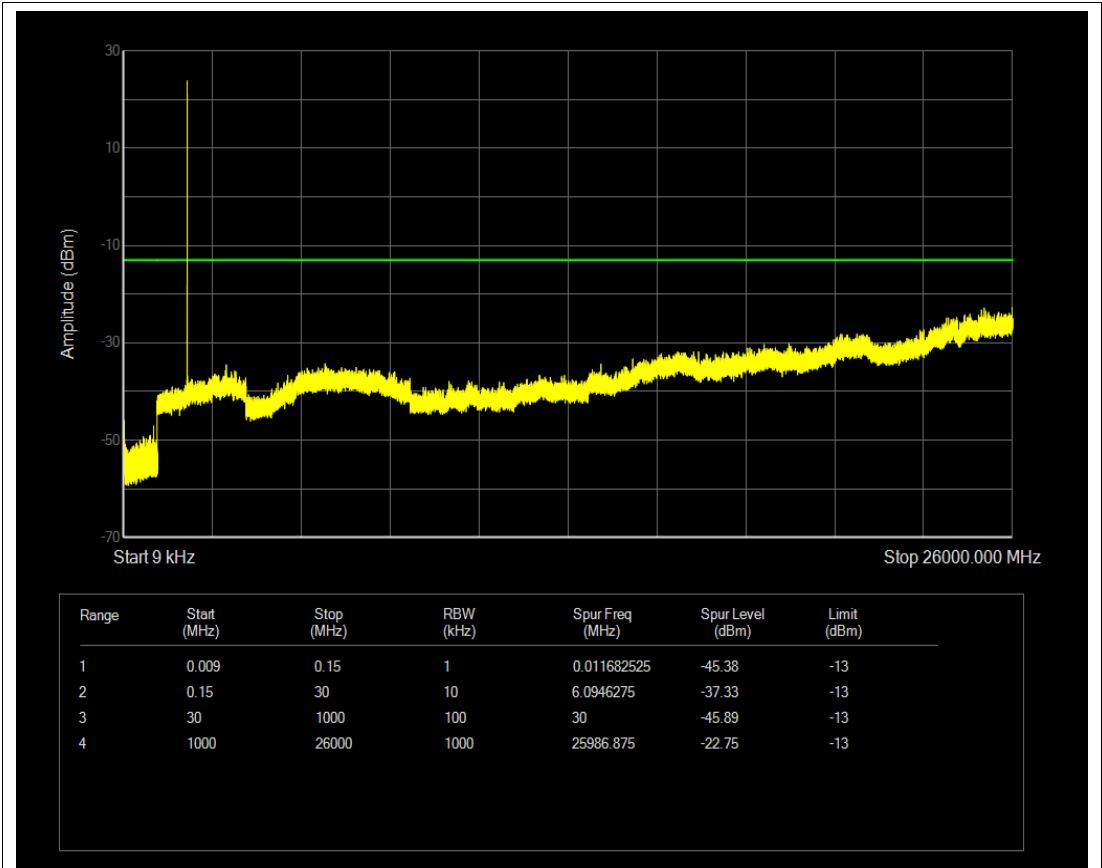
| <b>Band</b> | <b>Bandwidth<br/>(MHz)</b> | <b>UL<br/>Channel</b> | <b>RB<br/>Size</b> | <b>RB<br/>Position</b> | <b>Modulation</b> | <b>Spur Freq<br/>(MHz)</b> | <b>Spur Level<br/>(dBm)</b> | <b>Limit<br/>(dBm)</b> | <b>Verdict</b> |
|-------------|----------------------------|-----------------------|--------------------|------------------------|-------------------|----------------------------|-----------------------------|------------------------|----------------|
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | QPSK              | 25099.38                   | -22.92                      | -13                    | PASS           |
| Band2       | 1.4                        | 18607                 | 6                  | #0                     | 16QAM             | 25811.25                   | -23.01                      | -13                    | PASS           |
| Band2       | 1.4                        | 18900                 | 6                  | #0                     | QPSK              | 25986.88                   | -22.75                      | -13                    | PASS           |
| Band2       | 1.4                        | 18900                 | 6                  | #0                     | 16QAM             | 25745.63                   | -23.20                      | -13                    | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | QPSK              | 25813.75                   | -23.59                      | -13                    | PASS           |
| Band2       | 1.4                        | 19193                 | 6                  | #0                     | 16QAM             | 25901.25                   | -23.00                      | -13                    | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | QPSK              | 25484.38                   | -23.46                      | -13                    | PASS           |
| Band2       | 3                          | 18615                 | 15                 | #0                     | 16QAM             | 25128.13                   | -23.16                      | -13                    | PASS           |
| Band2       | 3                          | 18900                 | 15                 | #0                     | QPSK              | 25998.13                   | -23.10                      | -13                    | PASS           |
| Band2       | 3                          | 18900                 | 15                 | #0                     | 16QAM             | 25776.25                   | -23.66                      | -13                    | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | QPSK              | 25634.38                   | -23.43                      | -13                    | PASS           |
| Band2       | 3                          | 19185                 | 15                 | #0                     | 16QAM             | 25887.50                   | -22.89                      | -13                    | PASS           |
| Band2       | 5                          | 18625                 | 25                 | #0                     | QPSK              | 25726.88                   | -23.02                      | -13                    | PASS           |
| Band2       | 5                          | 18625                 | 25                 | #0                     | 16QAM             | 25317.50                   | -23.04                      | -13                    | PASS           |
| Band2       | 5                          | 18900                 | 25                 | #0                     | QPSK              | 25856.88                   | -22.25                      | -13                    | PASS           |
| Band2       | 5                          | 18900                 | 25                 | #0                     | 16QAM             | 25545.63                   | -22.83                      | -13                    | PASS           |
| Band2       | 5                          | 19175                 | 25                 | #0                     | QPSK              | 25594.38                   | -23.28                      | -13                    | PASS           |
| Band2       | 5                          | 19175                 | 25                 | #0                     | 16QAM             | 25418.75                   | -23.43                      | -13                    | PASS           |
| Band2       | 10                         | 18650                 | 50                 | #0                     | QPSK              | 25763.75                   | -23.00                      | -13                    | PASS           |
| Band2       | 10                         | 18900                 | 50                 | #0                     | QPSK              | 25640.00                   | -23.66                      | -13                    | PASS           |
| Band2       | 10                         | 19150                 | 50                 | #0                     | QPSK              | 25489.38                   | -22.94                      | -13                    | PASS           |
| Band2       | 15                         | 18675                 | 75                 | #0                     | QPSK              | 25728.75                   | -23.32                      | -13                    | PASS           |
| Band2       | 15                         | 18900                 | 75                 | #0                     | QPSK              | 25650.63                   | -23.11                      | -13                    | PASS           |
| Band2       | 15                         | 19125                 | 75                 | #0                     | QPSK              | 25750.00                   | -23.27                      | -13                    | PASS           |
| Band2       | 20                         | 18700                 | 100                | #0                     | QPSK              | 25421.25                   | -23.28                      | -13                    | PASS           |
| Band2       | 20                         | 18900                 | 100                | #0                     | QPSK              | 25603.75                   | -22.82                      | -13                    | PASS           |
| Band2       | 20                         | 19100                 | 100                | #0                     | QPSK              | 25383.75                   | -23.65                      | -13                    | PASS           |



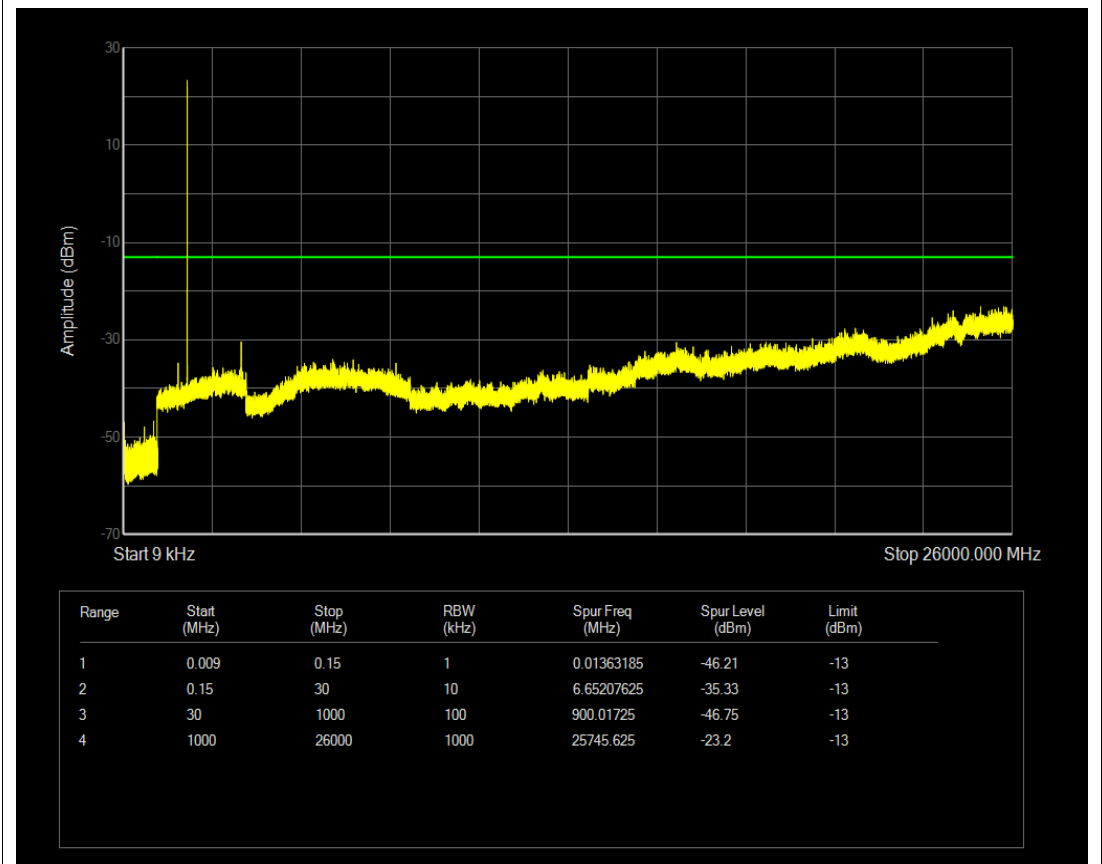
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



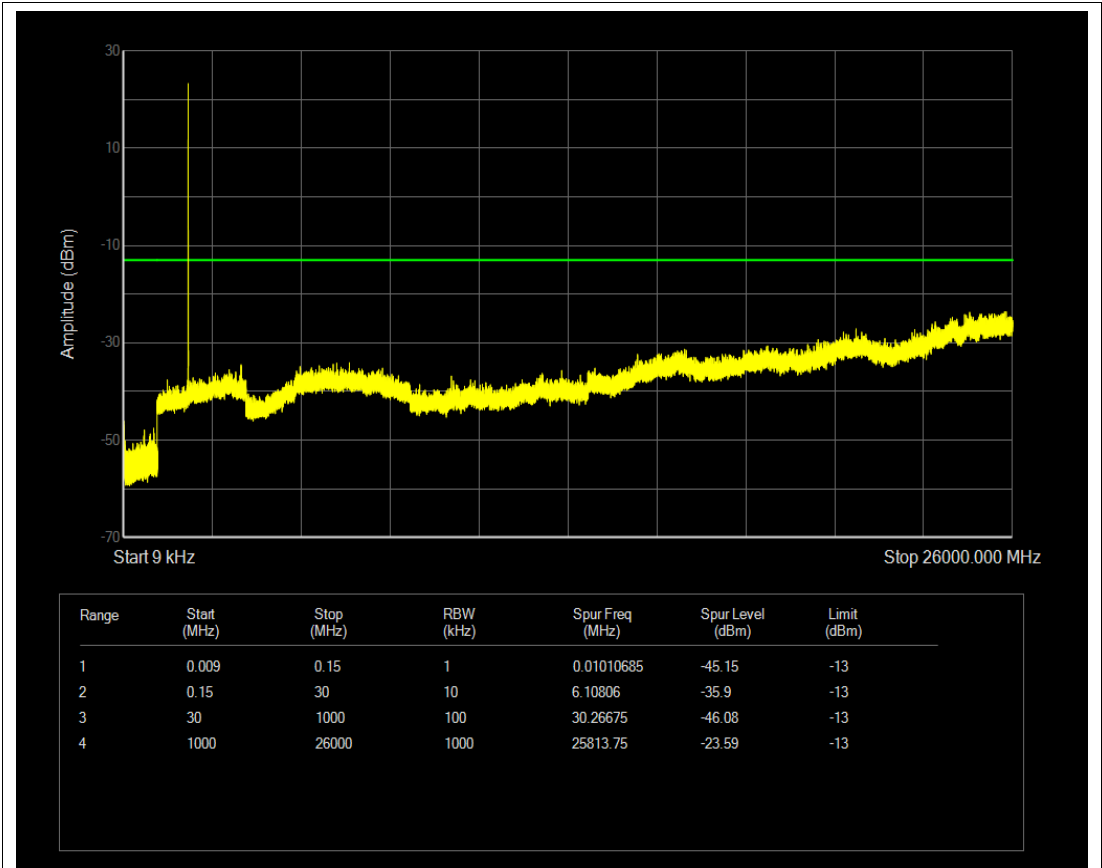
Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



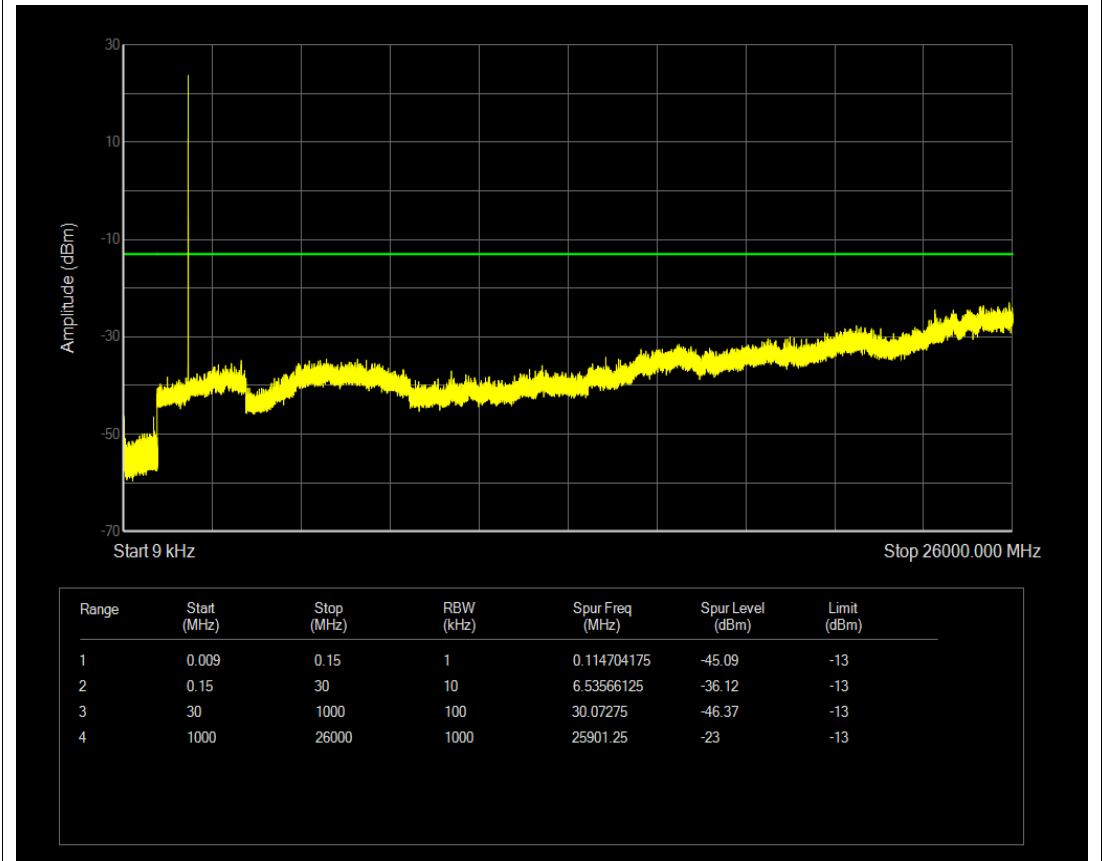
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



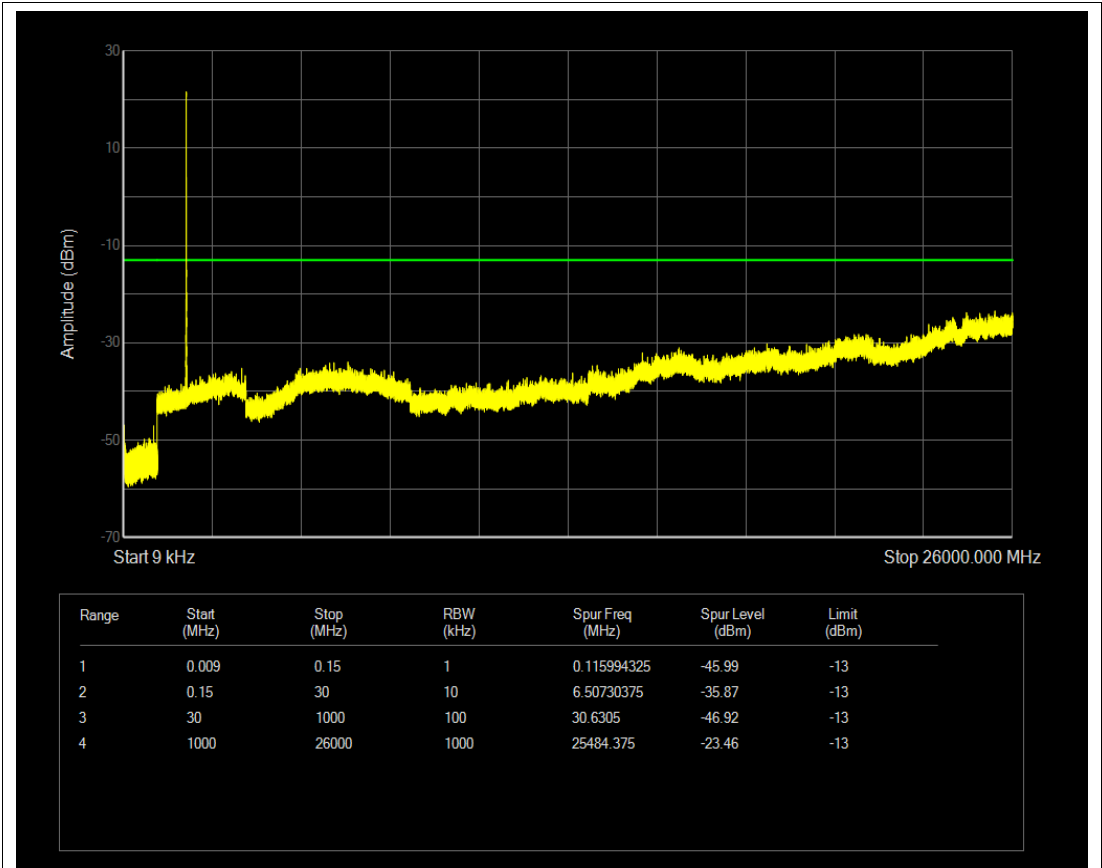
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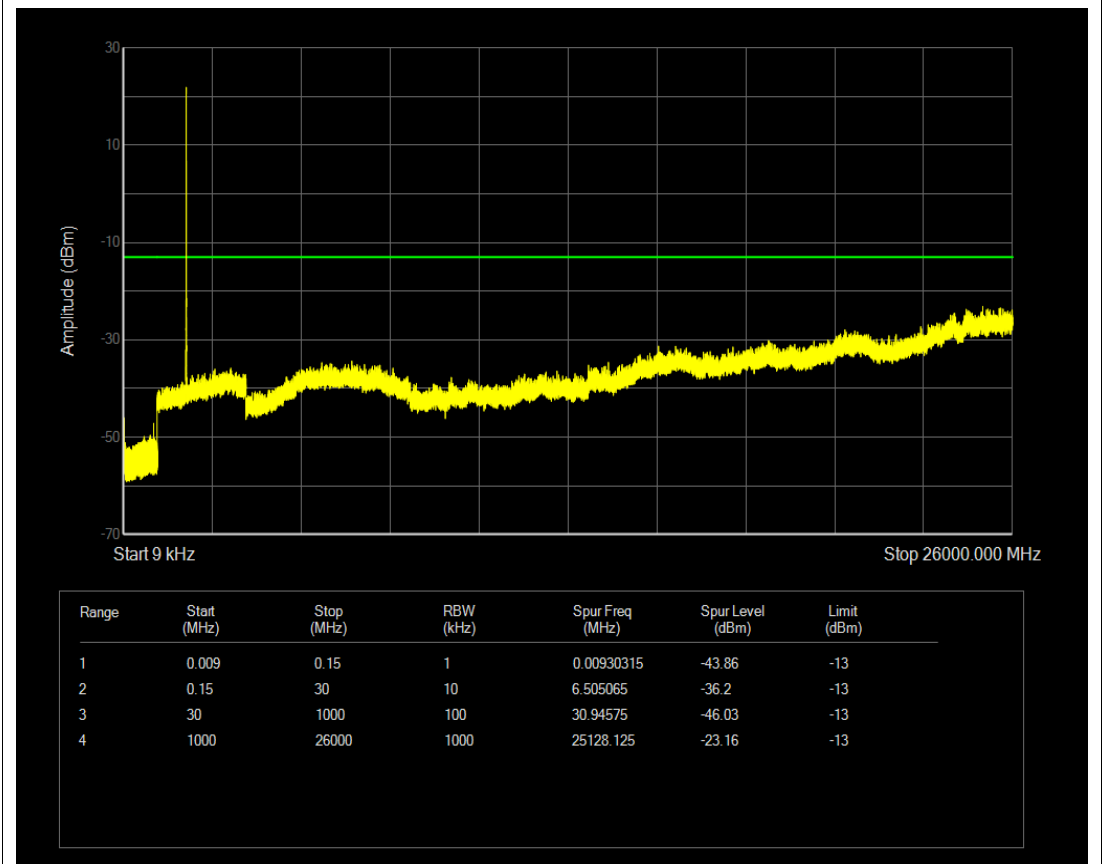
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



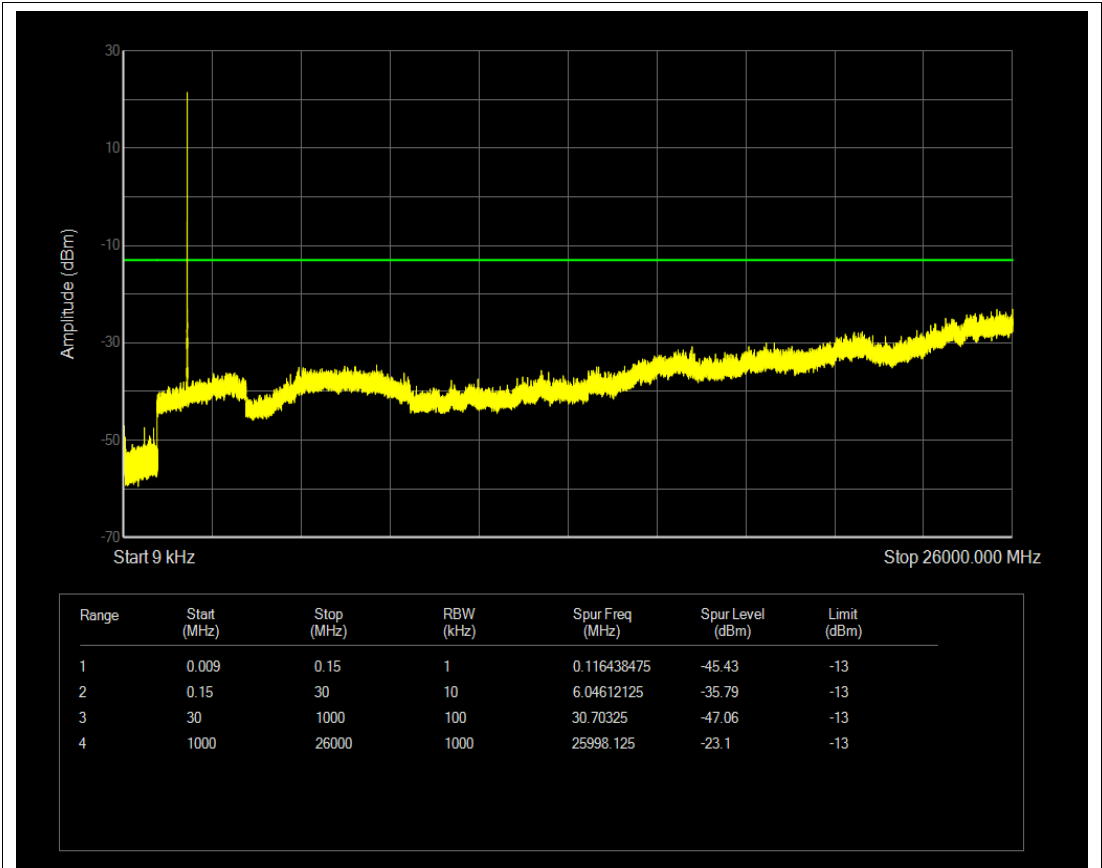
Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



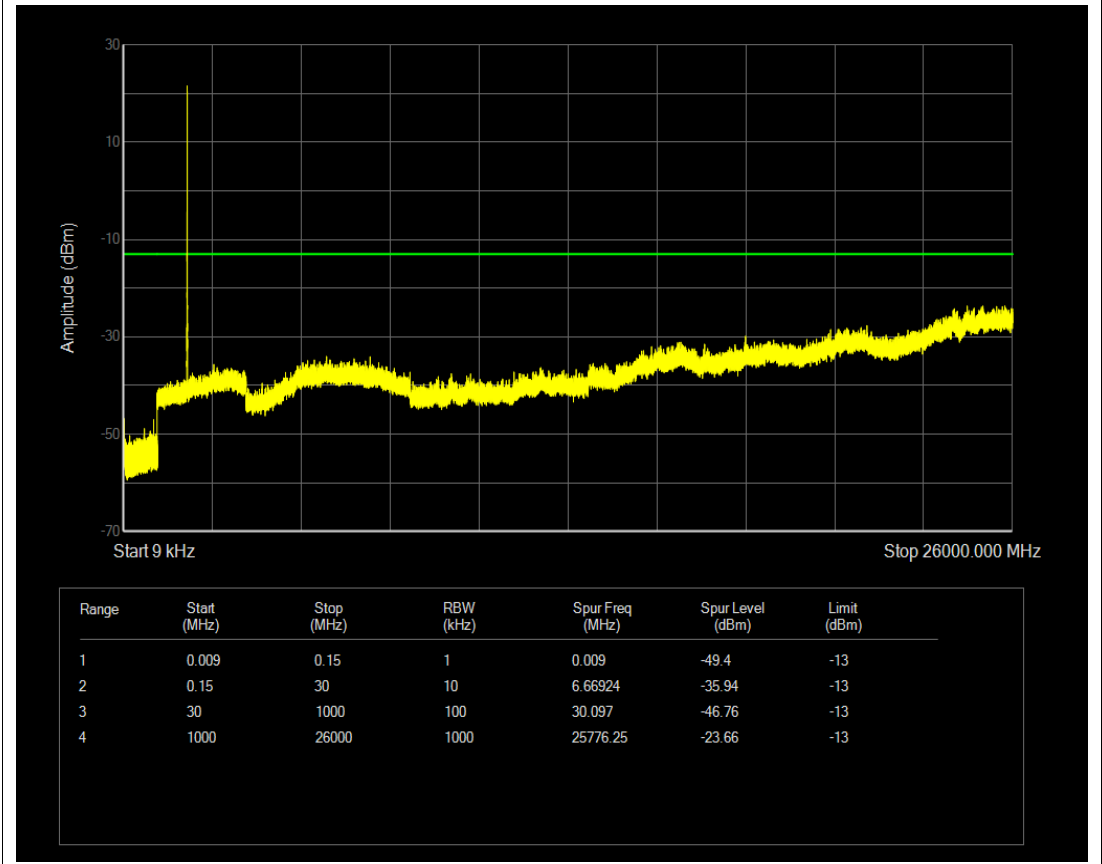
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



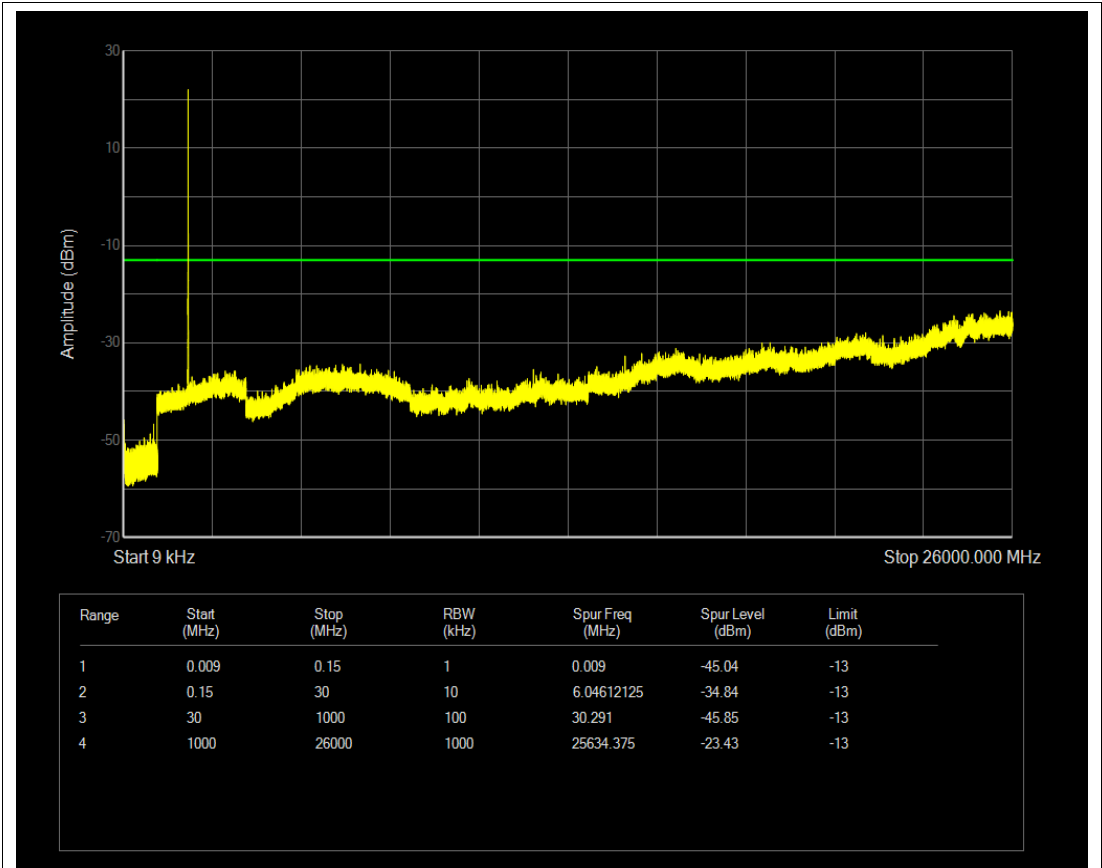
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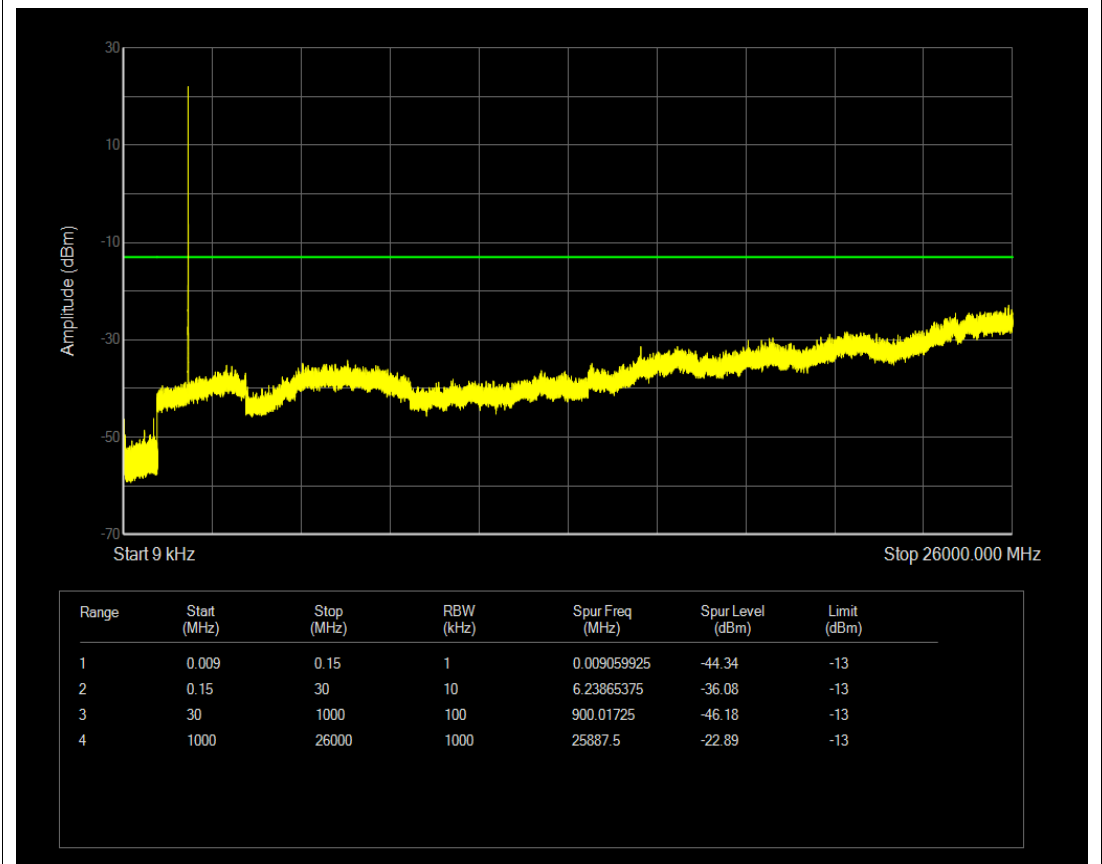
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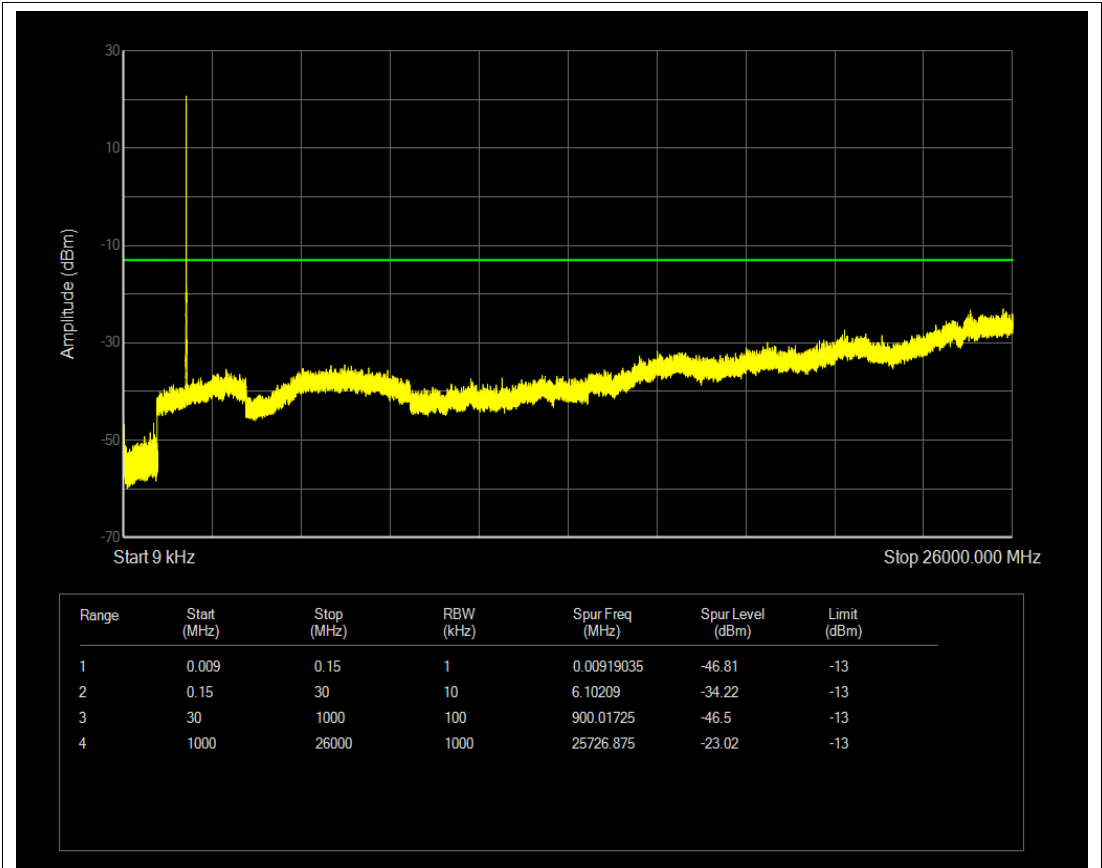
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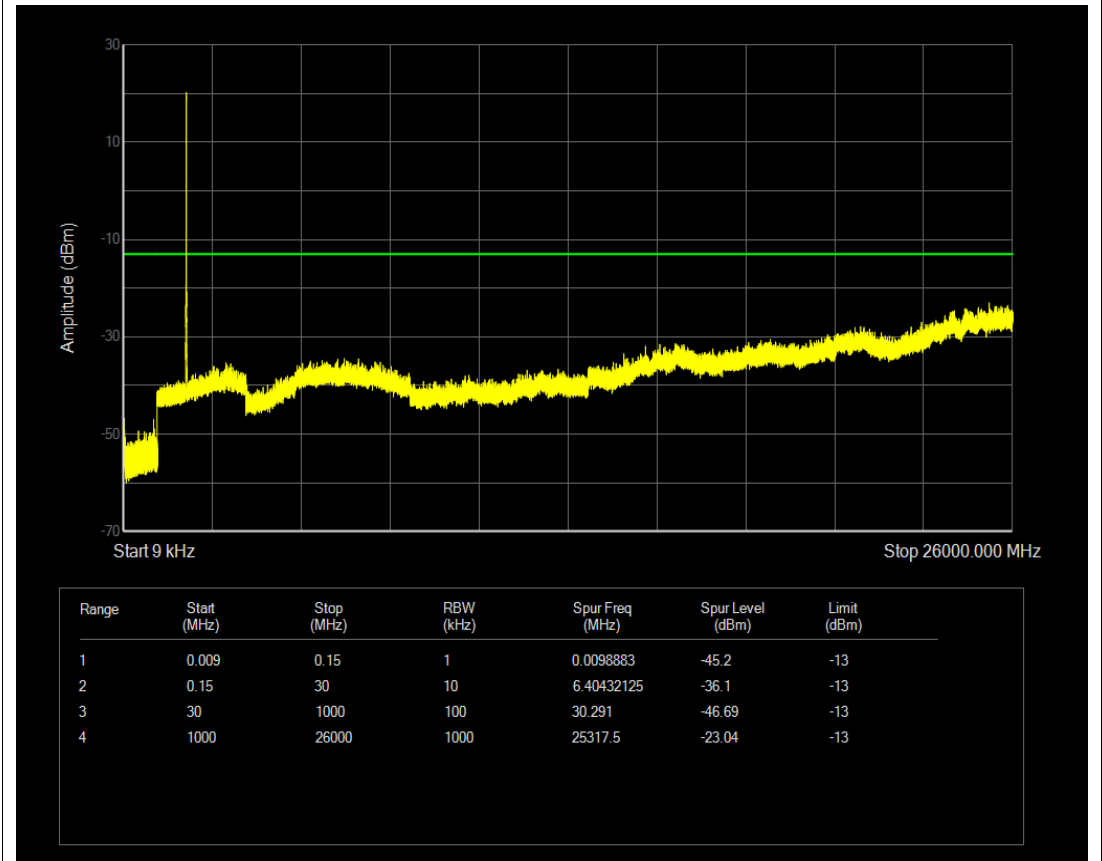
Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



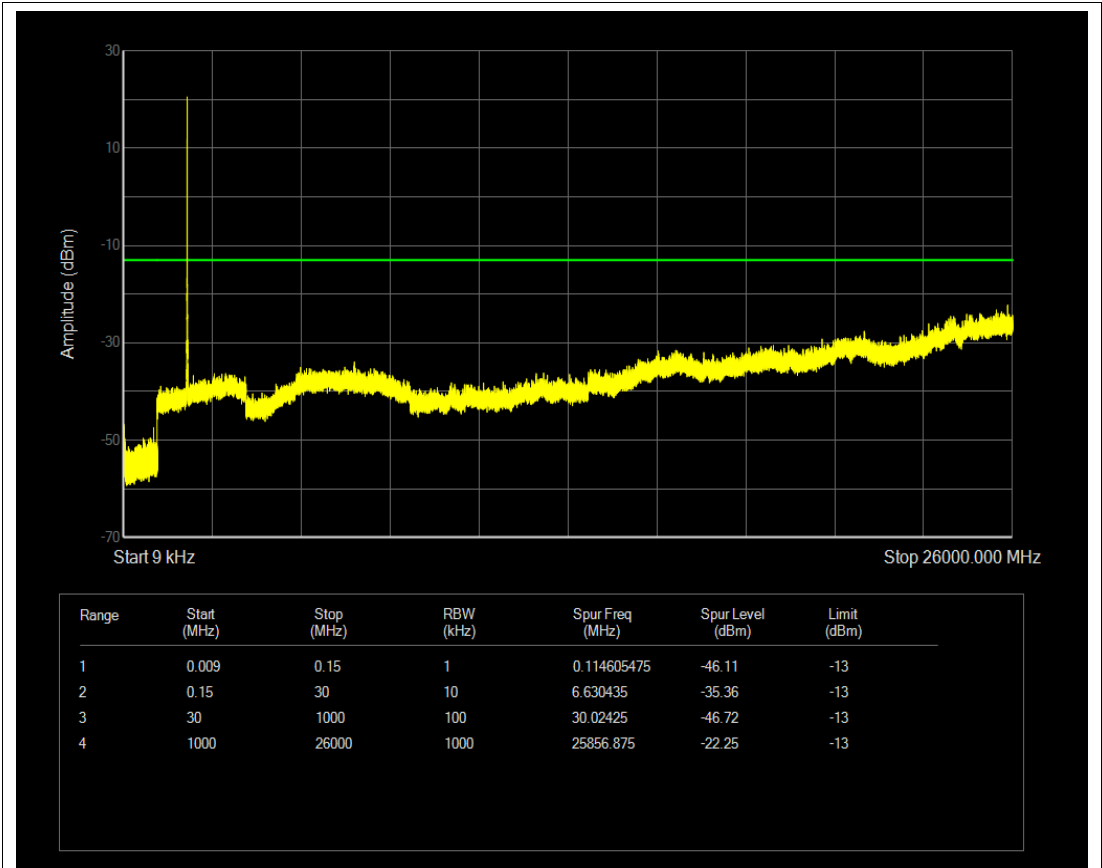
Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



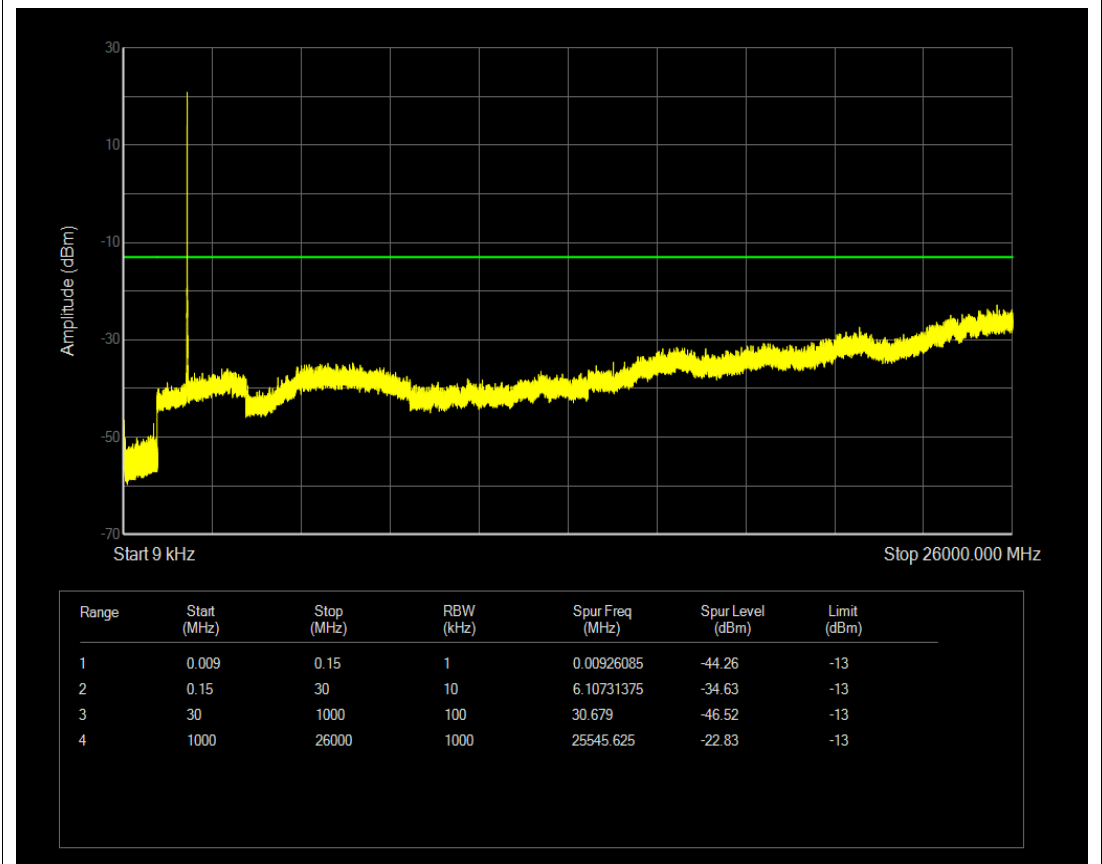
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



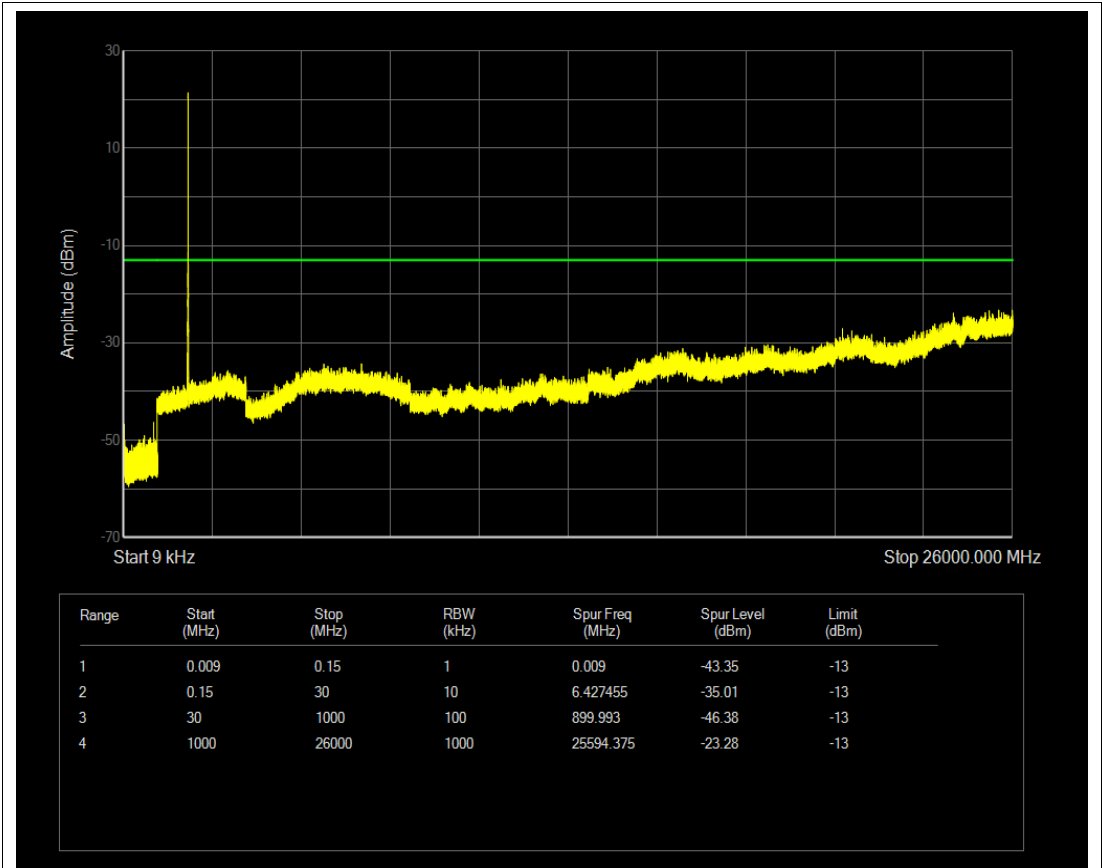
Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



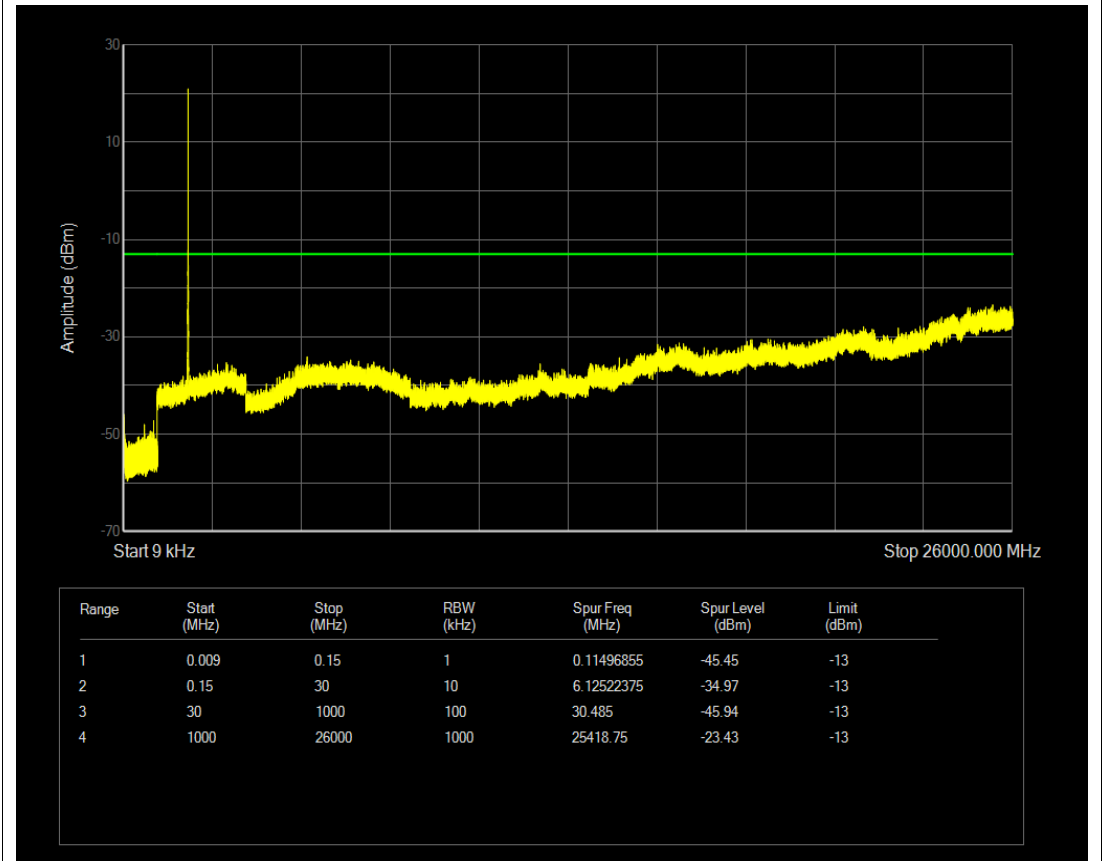
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



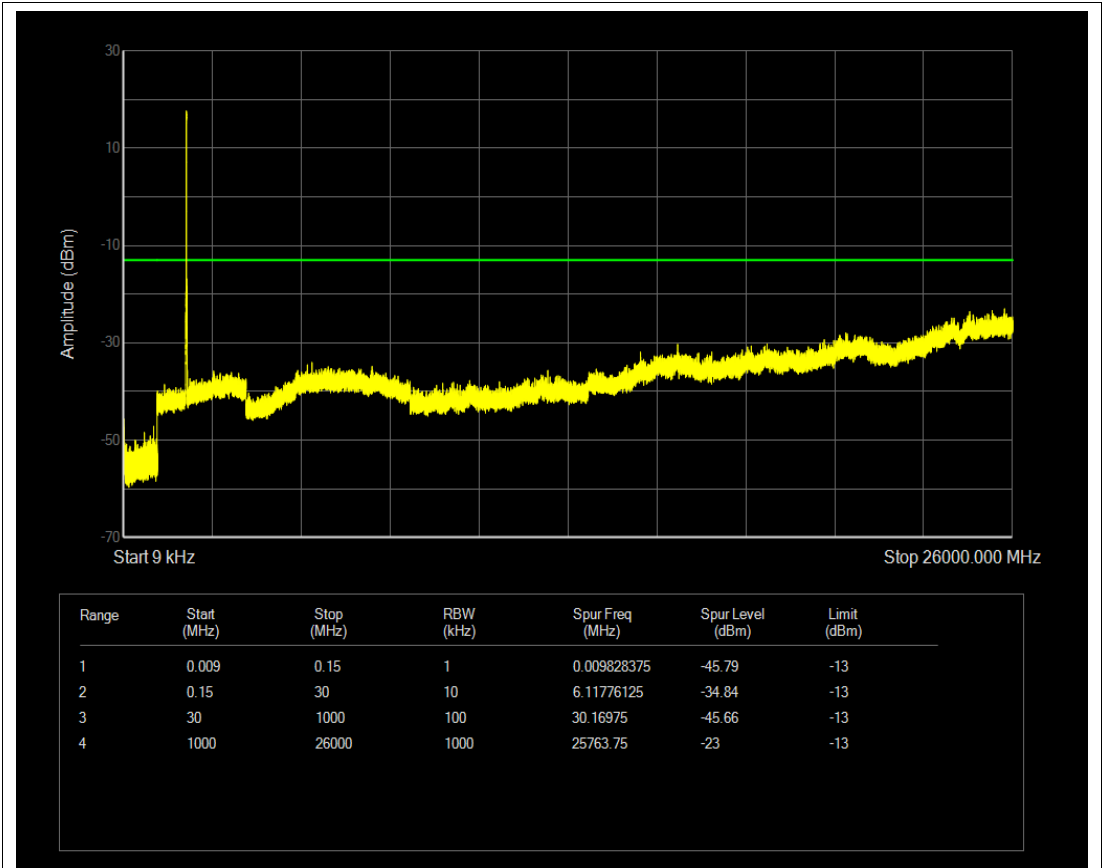
Band2 16QAM BW=5MHz Channel=18900 RB Size=25 Position=#0



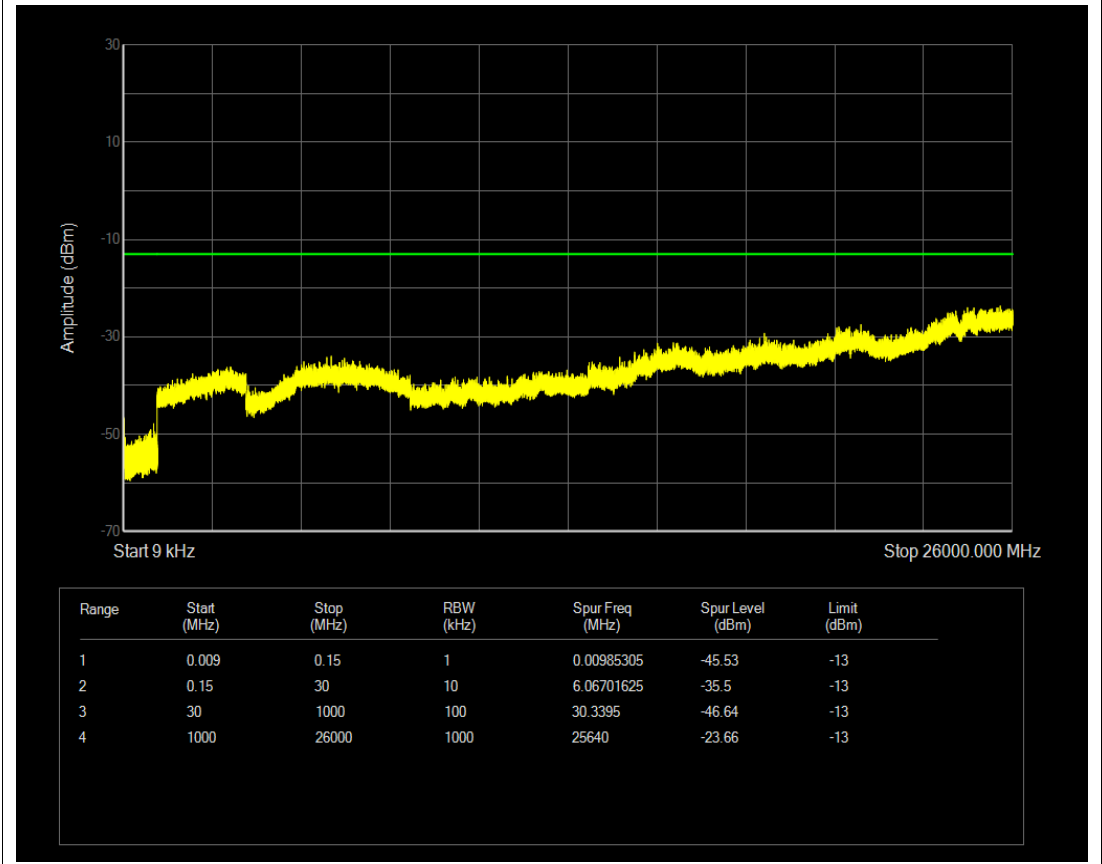
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



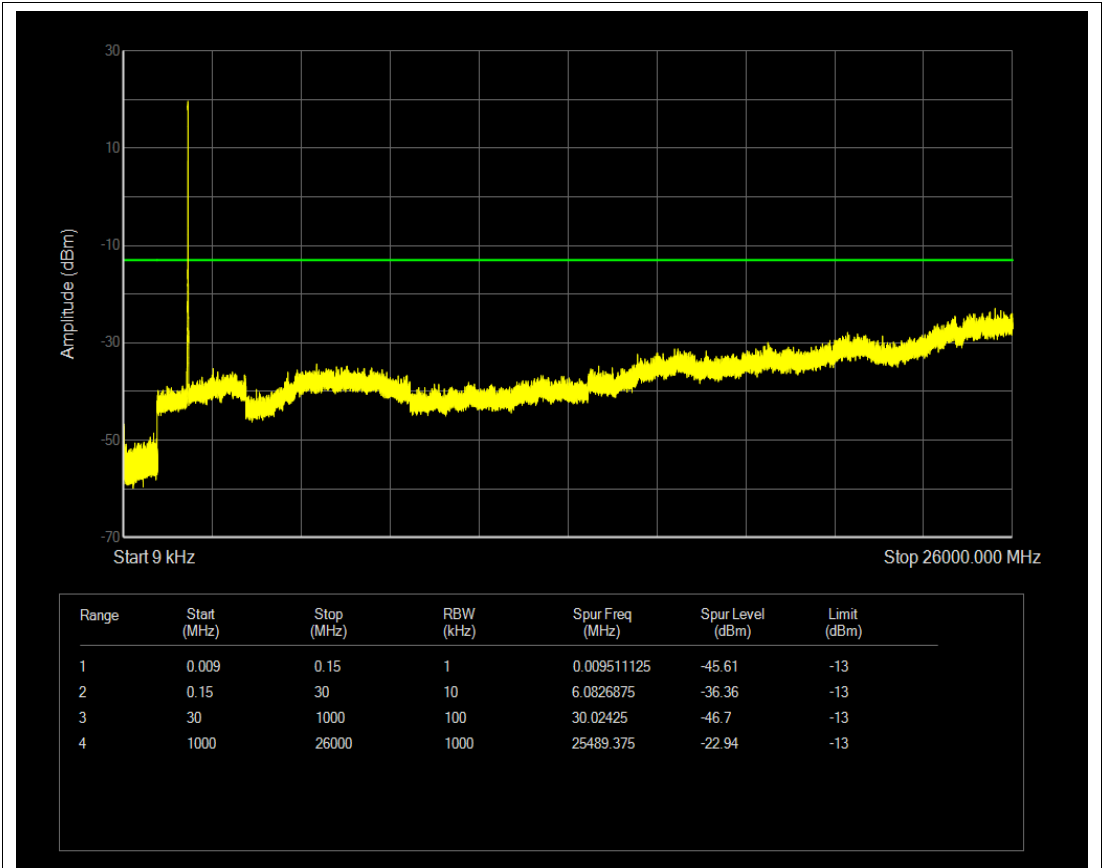
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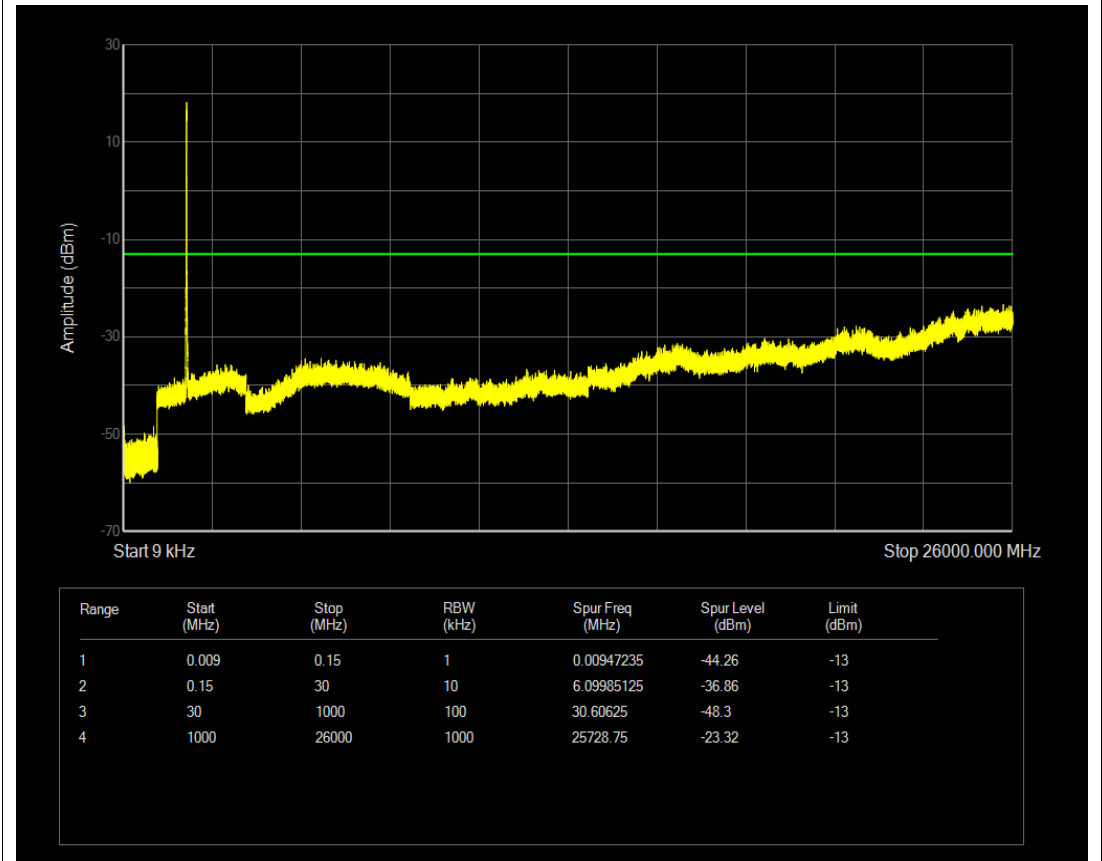
Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



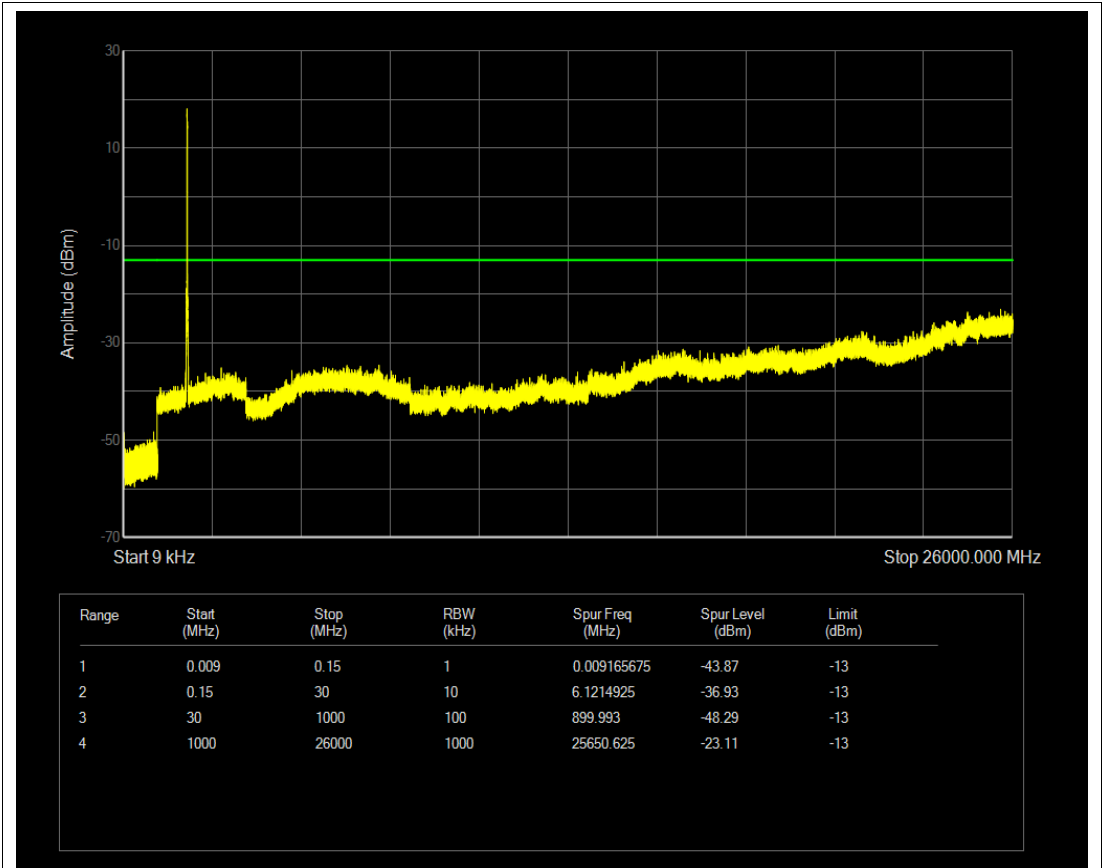
Band2 QPSK BW=10MHz Channel=18900 RB Size=50 Position=#0



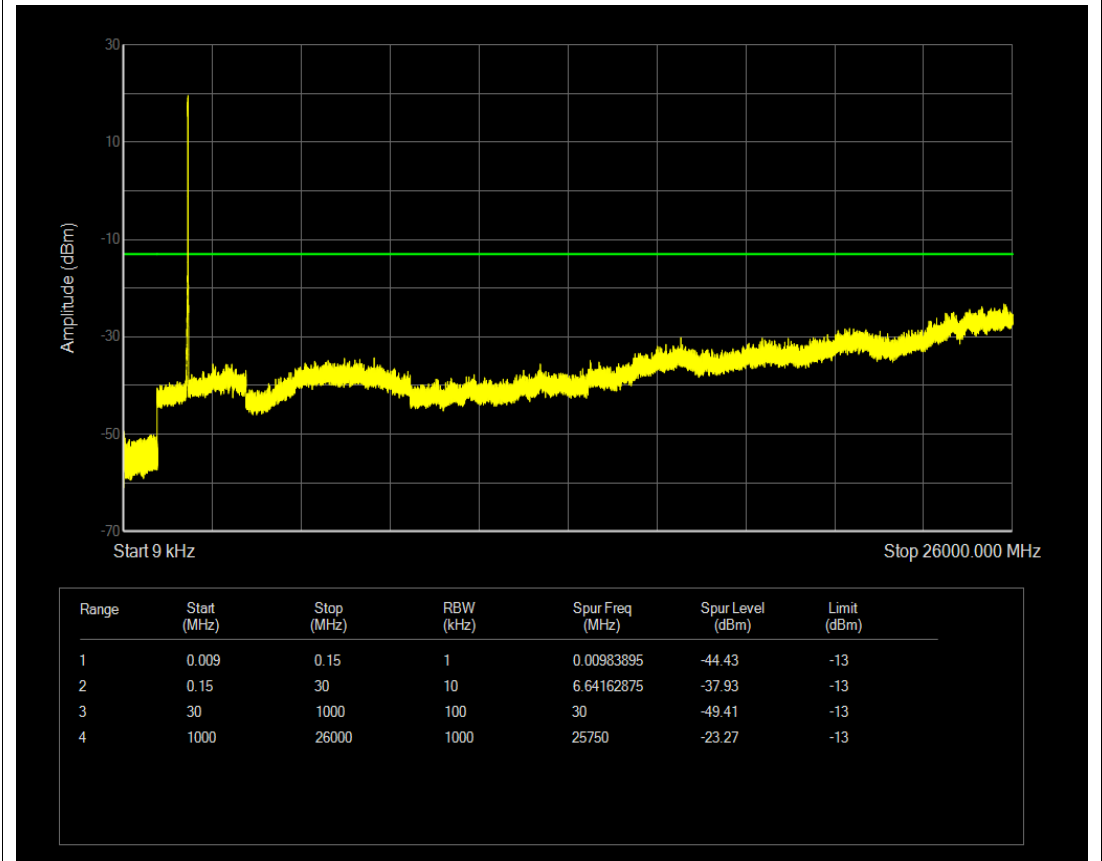
Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



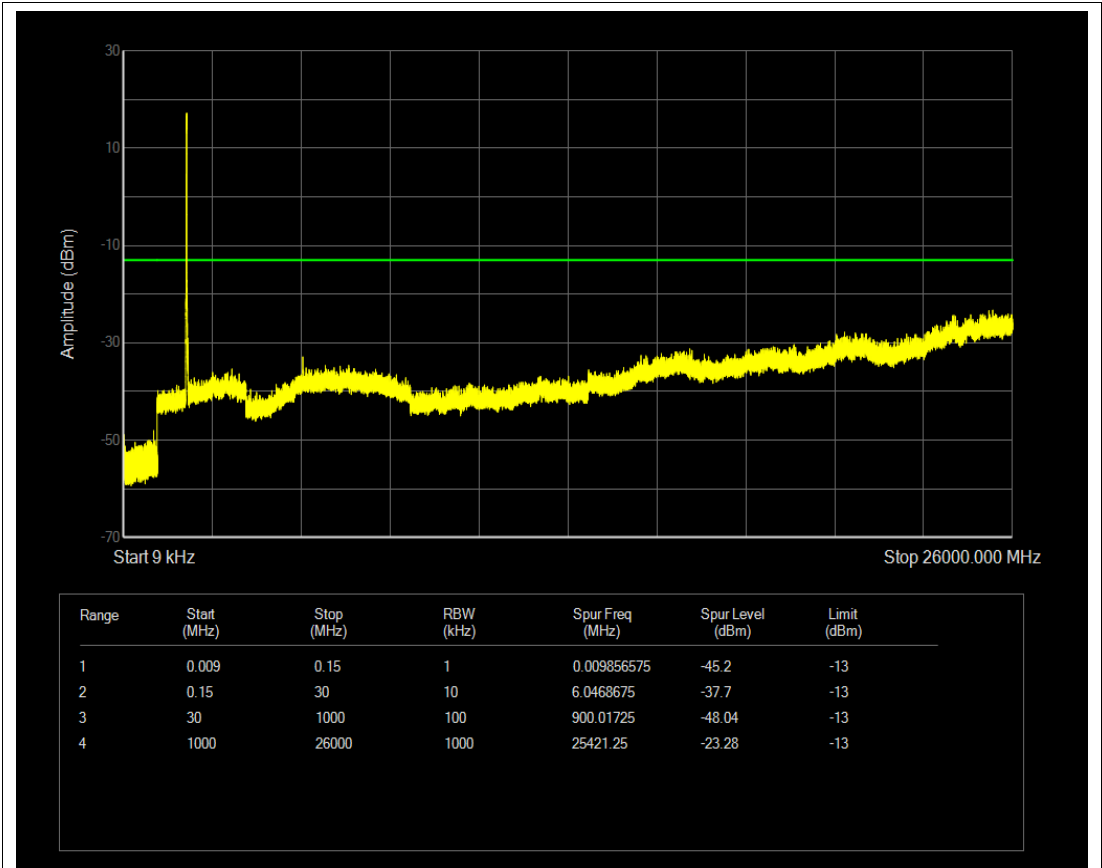
Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



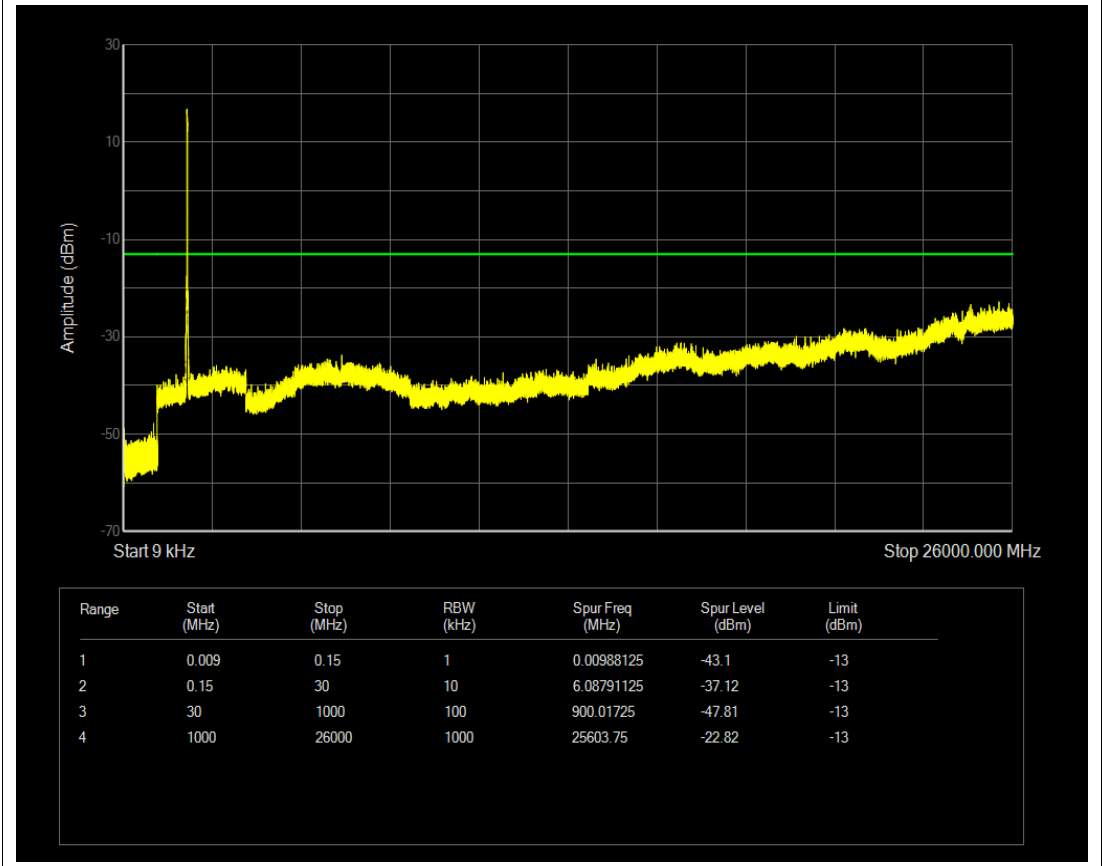
Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0



Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0

