# Appendix B: Test Data for E-UTRA Band 4

**Product Name: Telematics Module**

**Test Model: 8400-13001-00**

**Environmental Conditions**

| | |
|---|---|
| Temperature: | 23.3° C |
| Relative Humidity: | 52.3% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Nick Peng |
| Supervised by: | Ling Zhu |

# B.1 Effective (Isotropic) Radiated Power Output Data

## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 22.34 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#2 | 22.35 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#5 | 22.34 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#0 | 22.38 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#1 | 22.41 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#3 | 22.38 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 21.60 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 22.28 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#2 | 22.25 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#5 | 22.11 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#0 | 22.14 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#1 | 22.13 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#3 | 22.18 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 21.52 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 22.47 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#2 | 22.41 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#5 | 22.43 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#0 | 22.35 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#1 | 22.39 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#3 | 22.39 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 21.58 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 22.52 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#2 | 22.51 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#5 | 22.54 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#0 | 21.49 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#1 | 21.48 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#3 | 21.55 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 21.09 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 21.90 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#2 | 21.89 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#5 | 21.85 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#0 | 21.16 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#1 | 21.27 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#3 | 21.31 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 20.90 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 21.58 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#2 | 21.52 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#5 | 21.59 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#0 | 21.39 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#1 | 21.36 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#3 | 21.39 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 20.90 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 22.24 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#8 | 22.35 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#14 | 22.21 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#0 | 21.60 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#4 | 21.62 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#7 | 21.54 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 21.61 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 22.14 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#8 | 22.12 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#14 | 22.11 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#0 | 21.42 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#4 | 21.42 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#7 | 21.44 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 21.38 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 22.40 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#8 | 22.42 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#14 | 22.42 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#0 | 21.58 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#4 | 21.53 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#7 | 21.55 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 21.62 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 21.74 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#8 | 21.72 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 3MHz | 16QAM | 19965 | 1RB#14 | 21.64 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#0 | 20.96 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#4 | 20.96 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#7 | 21.09 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 20.98 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 21.58 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#8 | 21.51 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#14 | 21.53 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#0 | 20.79 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#4 | 20.79 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#7 | 20.78 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 20.83 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 21.52 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#8 | 21.52 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#14 | 21.80 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#0 | 20.94 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#4 | 20.95 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#7 | 20.98 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 20.77 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 22.37 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#12 | 22.39 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#24 | 22.33 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#0 | 21.66 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#6 | 21.57 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#13 | 21.60 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 21.63 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 22.20 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#12 | 22.17 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#24 | 22.16 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#0 | 21.44 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#6 | 21.43 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#13 | 21.48 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 21.44 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 22.06 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#12 | 22.08 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 5MHz | QPSK | 20375 | 1RB#24 | 22.37 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#0 | 21.69 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#6 | 21.60 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#13 | 21.69 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 21.57 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 21.22 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12 | 21.14 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24 | 21.06 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#0 | 20.91 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#6 | 20.90 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#13 | 20.91 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 20.99 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 20.97 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12 | 20.98 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24 | 20.93 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#0 | 20.69 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#6 | 20.73 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#13 | 20.83 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 20.79 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 21.80 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#12 | 21.85 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#24 | 21.56 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#0 | 20.84 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#6 | 20.85 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#13 | 20.87 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 20.87 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 22.32 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#24 | 22.21 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#49 | 22.23 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#0 | 21.75 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#12 | 21.66 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#25 | 21.55 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 21.50 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 22.20 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#24 | 22.12 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 10MHz | QPSK | 20175 | 1RB#49 | 22.02 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#0 | 21.44 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#12 | 21.42 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#25 | 21.38 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 21.41 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 22.30 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#24 | 22.36 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#49 | 22.45 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#0 | 21.55 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#12 | 21.57 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#25 | 21.66 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 21.63 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 21.81 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24 | 21.79 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49 | 21.64 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#0 | 20.85 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#12 | 20.85 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#25 | 20.75 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 20.92 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 21.71 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24 | 21.71 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49 | 21.59 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#0 | 20.75 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#12 | 20.71 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#25 | 20.69 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 20.74 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 21.58 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24 | 21.62 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49 | 21.64 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#0 | 20.87 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#12 | 20.88 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#25 | 20.90 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 20.95 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 22.28 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#38 | 22.15 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 15MHz | QPSK | 20025 | 1RB#74 | 22.06 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#0 | 21.47 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#18 | 21.46 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#37 | 21.45 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 21.55 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 22.14 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#38 | 22.11 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#74 | 21.98 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#0 | 21.47 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#18 | 21.44 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#37 | 21.43 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 21.43 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 22.16 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#38 | 22.18 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#74 | 22.34 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#0 | 21.56 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#18 | 21.48 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#37 | 21.47 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 21.47 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 21.76 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38 | 21.68 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74 | 21.50 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#0 | 21.46 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#18 | 21.46 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#37 | 21.51 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 20.83 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 21.74 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38 | 21.62 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74 | 21.56 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#0 | 21.44 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#18 | 21.44 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#37 | 21.43 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 20.72 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 21.55 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38 | 21.63 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74 | 21.75 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#0 | 21.53 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#18 | 21.47 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#37 | 21.47 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 20.78 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 22.72 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#49 | 22.65 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#99 | 22.45 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#0 | 21.55 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#25 | 21.58 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#50 | 21.32 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 21.53 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 22.62 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#49 | 22.51 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#99 | 22.41 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#0 | 21.46 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#25 | 21.42 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#50 | 21.44 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 21.49 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 22.20 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#49 | 22.18 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#99 | 22.43 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#0 | 21.40 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#25 | 21.47 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#50 | 21.57 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 21.59 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 21.62 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49 | 21.51 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99 | 21.37 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#0 | 20.92 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#25 | 20.93 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#50 | 20.74 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 20.77 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 21.54 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49 | 21.38 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99 | 21.44 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#0 | 20.87 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#25 | 20.86 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#50 | 20.79 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 20.81 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 21.96 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49 | 21.89 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99 | 22.06 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#0 | 20.79 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#25 | 20.76 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#50 | 20.94 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 20.89 | PASS |

## B.2 Peak-to-Average Ratio(CCDF)

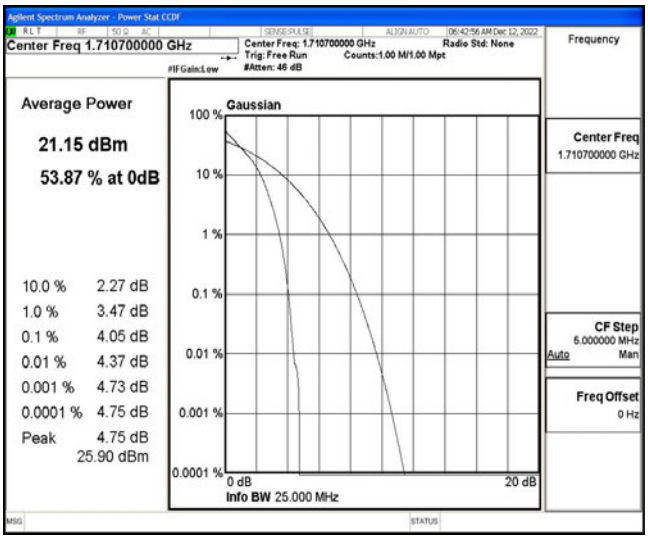
### Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 4.05 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 4.42 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 3.94 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 4.70 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 4.99 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 4.52 | 13 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 5.44 | 13 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 5.62 | 13 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 5.51 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 6.25 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 6.36 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 6.22 | 13 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 5.46 | 13 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 5.56 | 13 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 5.44 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 6.18 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 6.20 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 6.20 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 5.50 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 5.59 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 5.51 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 6.22 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 6.25 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 6.30 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 5.83 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 5.91 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 5.90 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 6.31 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 6.33 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 6.28 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 5.06 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 5.10 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 4.70 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 5.70 | 13 | PASS |

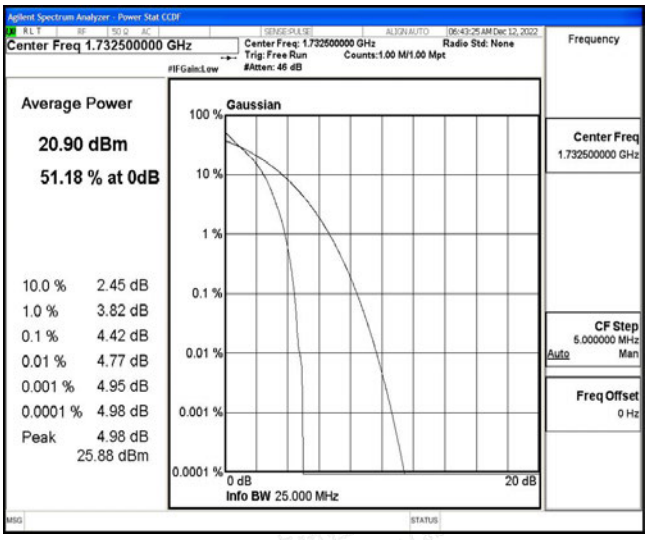
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 5.77 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 5.32 | 13 | PASS |

## Test Graphs

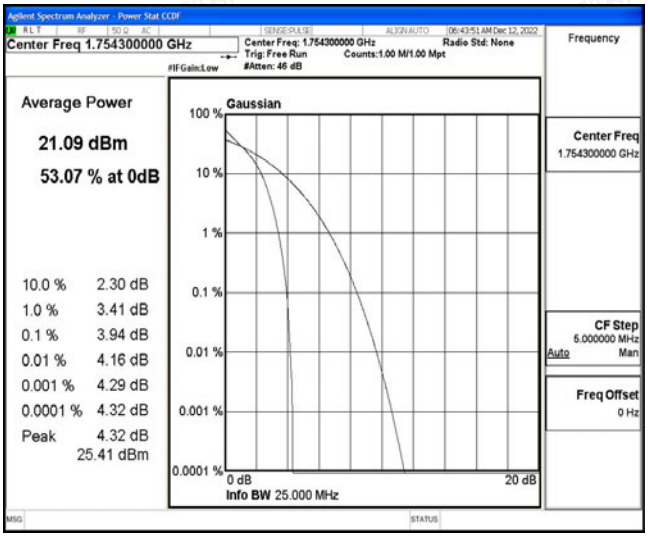
Band4-1.4MHz-QPSK-19957-6RB#0



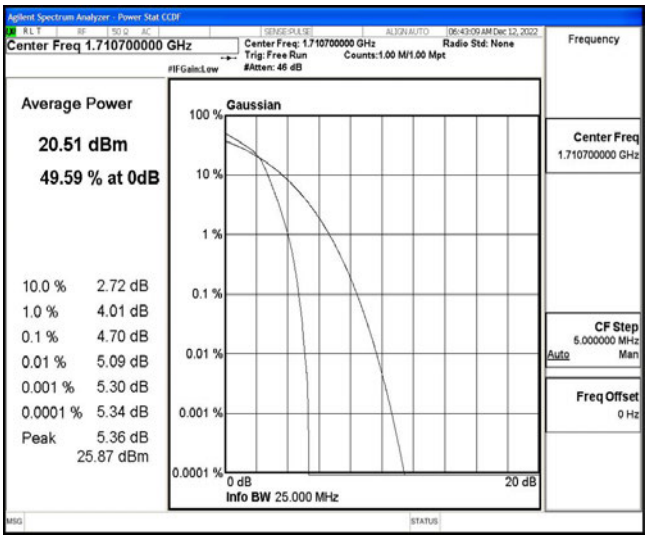

Band4-1.4MHz-QPSK-20175-6RB#0



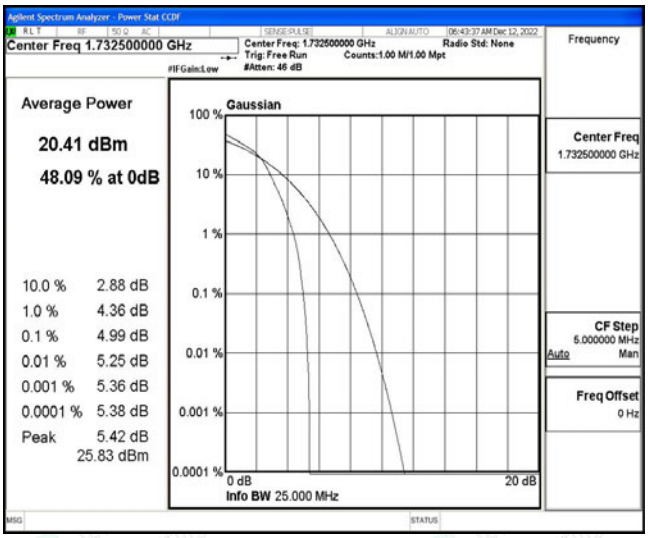

Band4-1.4MHz-QPSK-20393-6RB#0



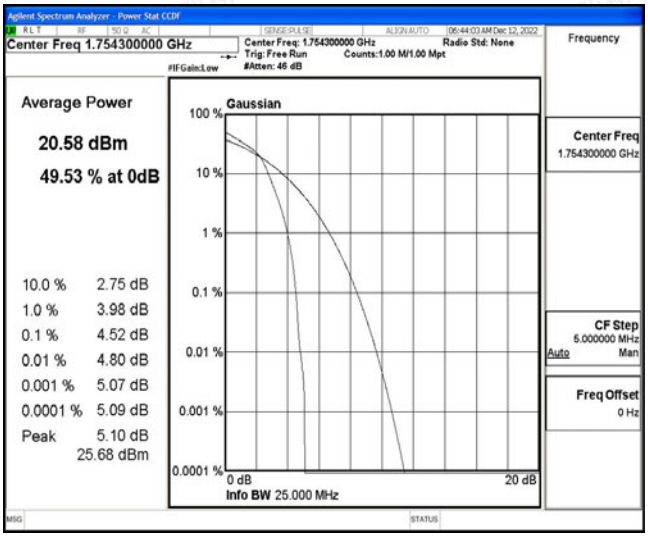

Band4-1.4MHz-16QAM-19957-6RB#0



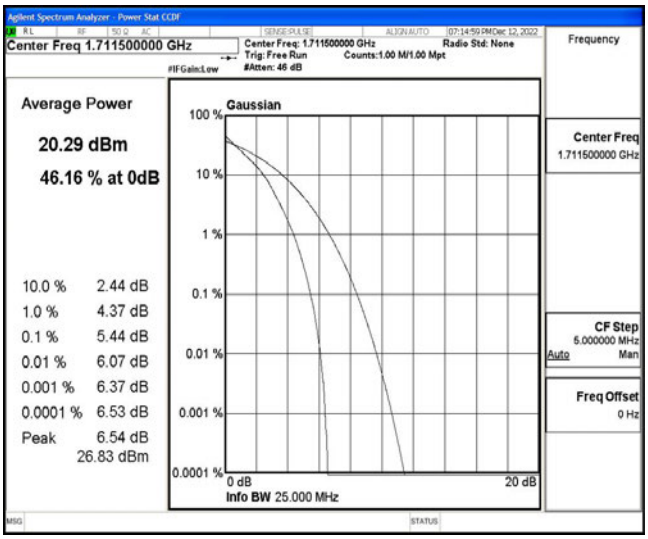

Band4-1.4MHz-16QAM-20175-6RB#0



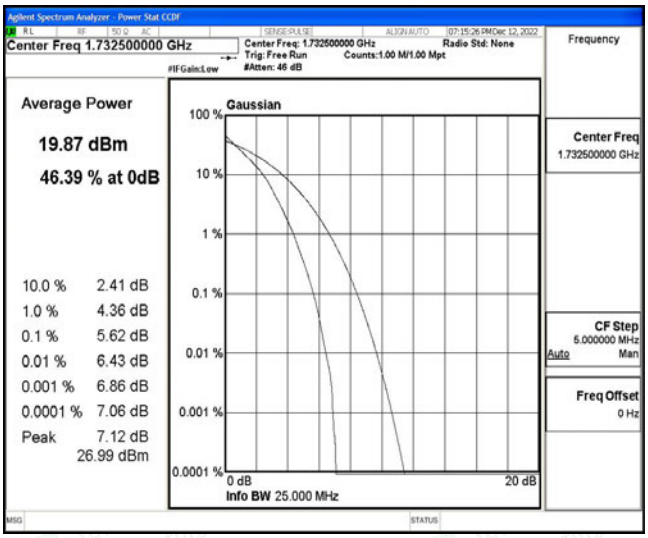

Band4-1.4MHz-16QAM-20393-6RB#0




Band4-3MHz-QPSK-19965-15RB#0




Band4-3MHz-QPSK-20175-15RB#0

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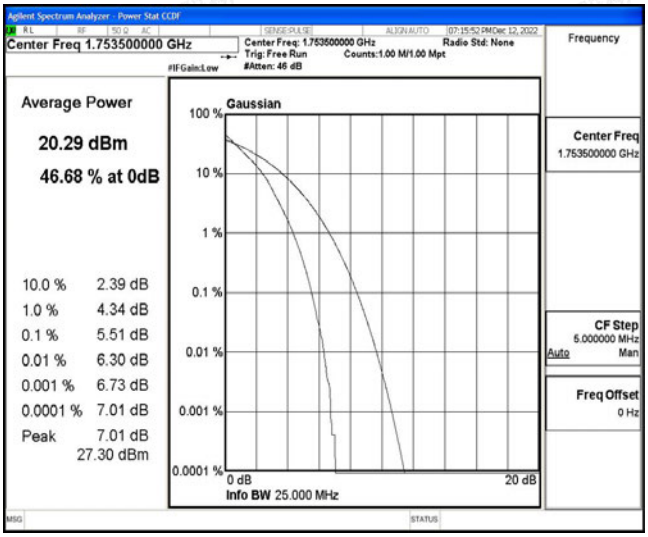


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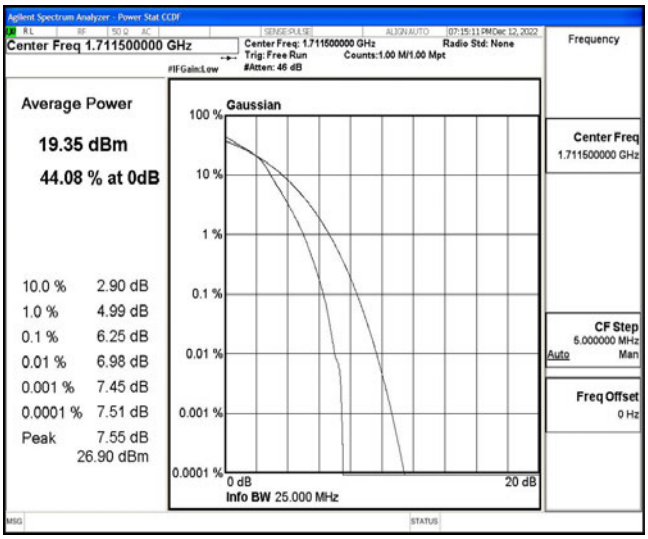


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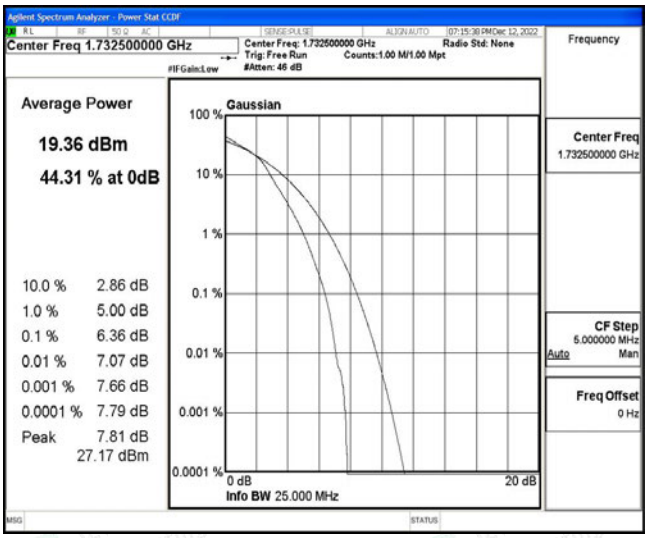
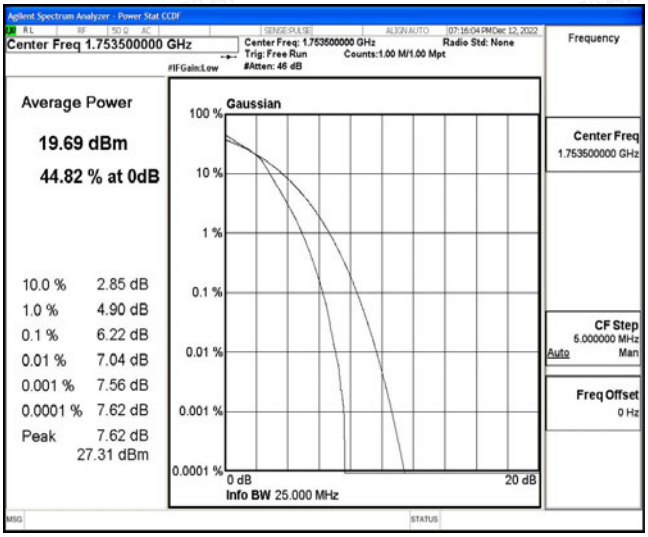
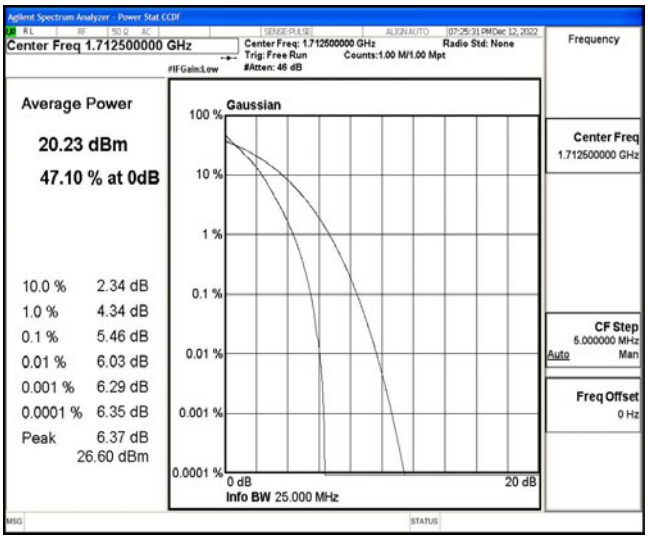


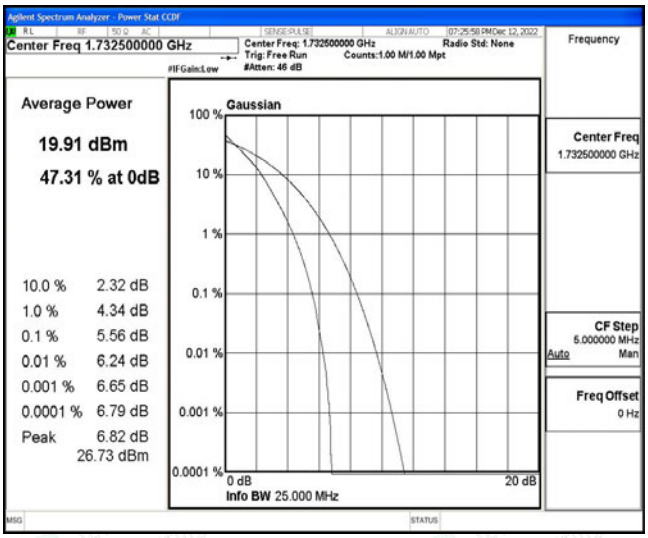

Band4-3MHz-16QAM-20385-15RB#0



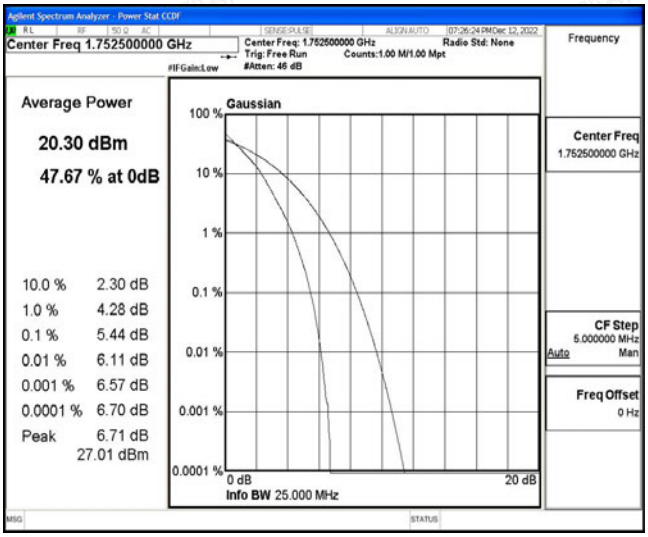

Band4-5MHz-QPSK-19975-25RB#0




Band4-5MHz-QPSK-20175-25RB#0




Band4-5MHz-QPSK-20375-25RB#0

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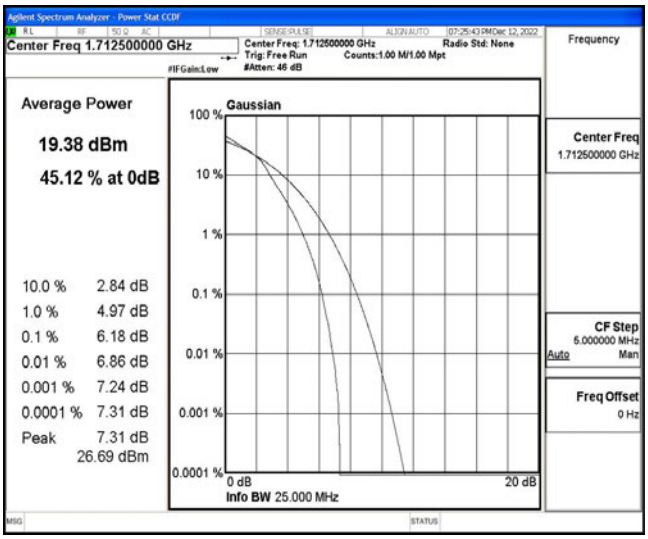


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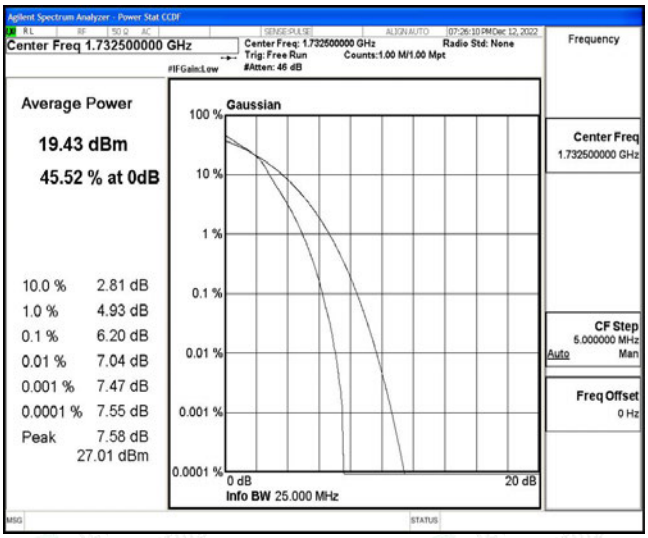
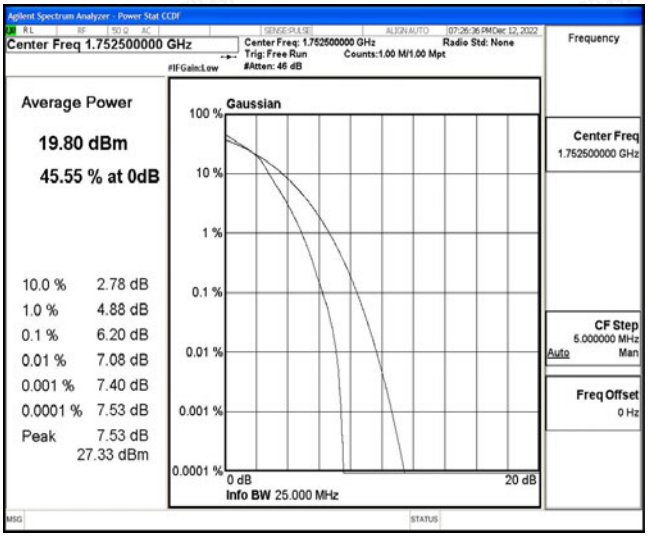
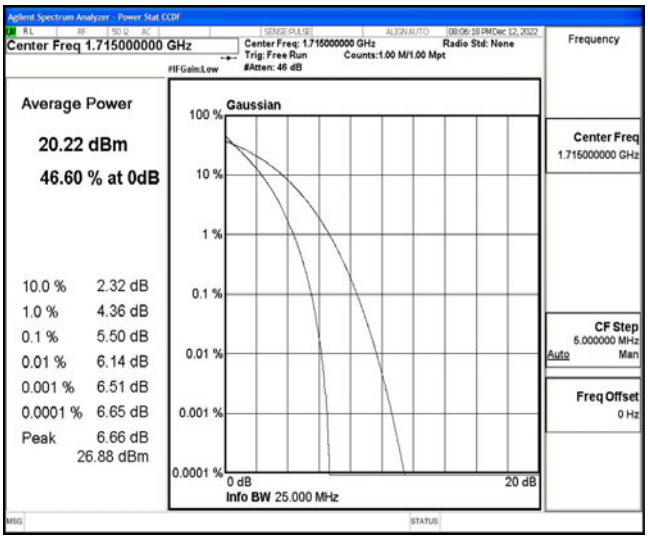



Band4-5MHz-16QAM-20375-25RB#0




Band4-10MHz-QPSK-20000-50RB#0

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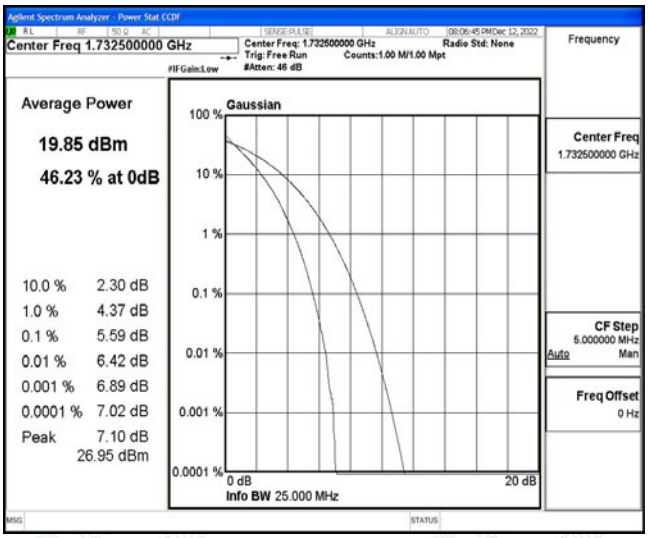


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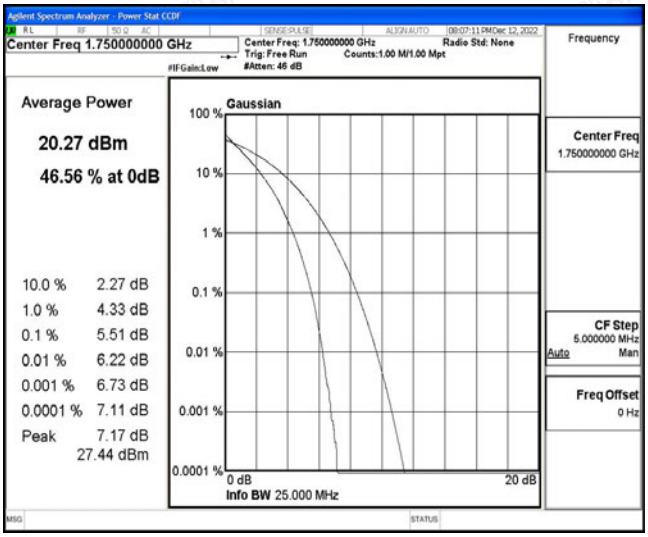


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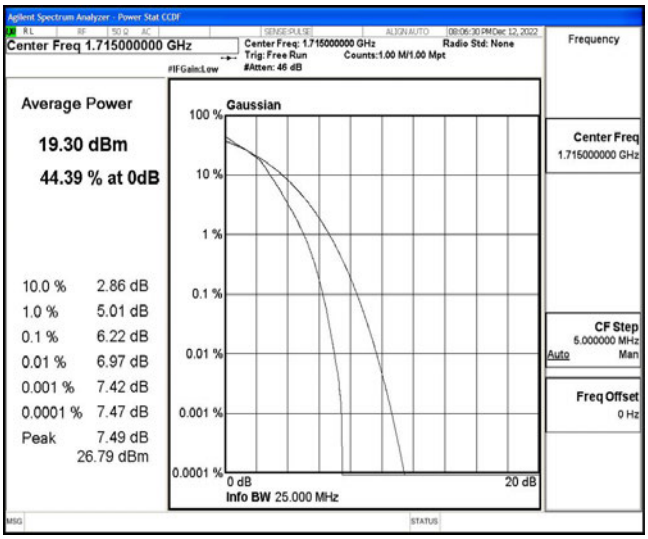


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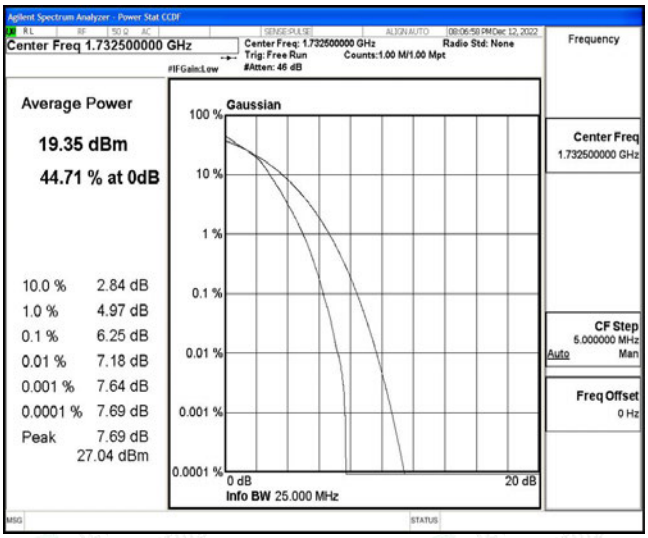


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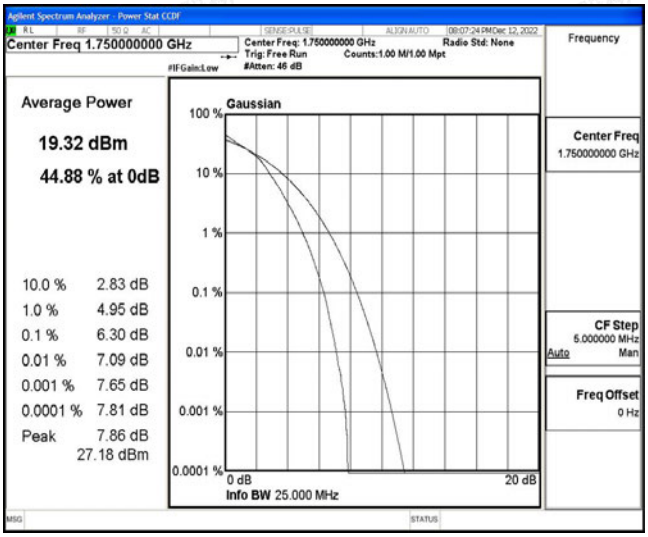
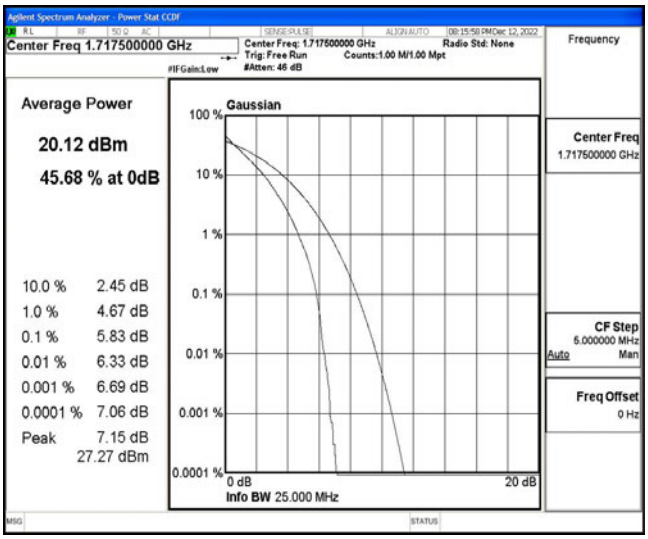



Band4-15MHz-QPSK-20025-75RB#0

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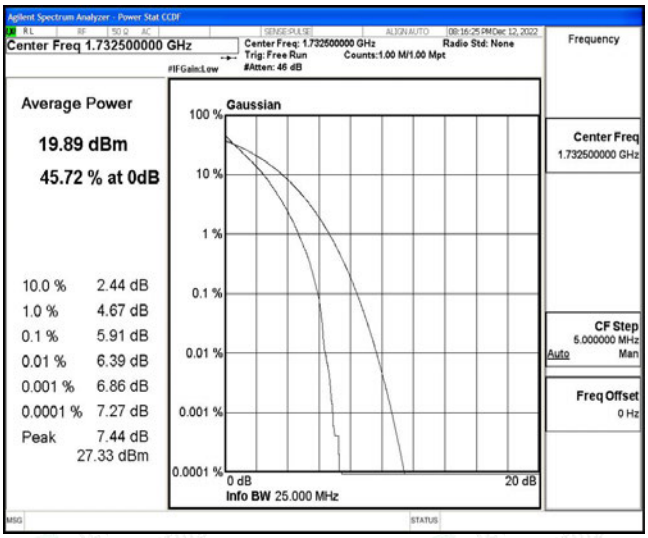


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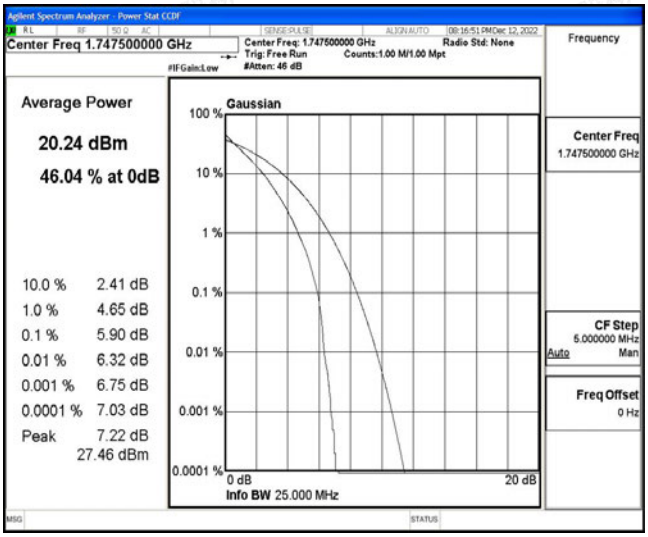


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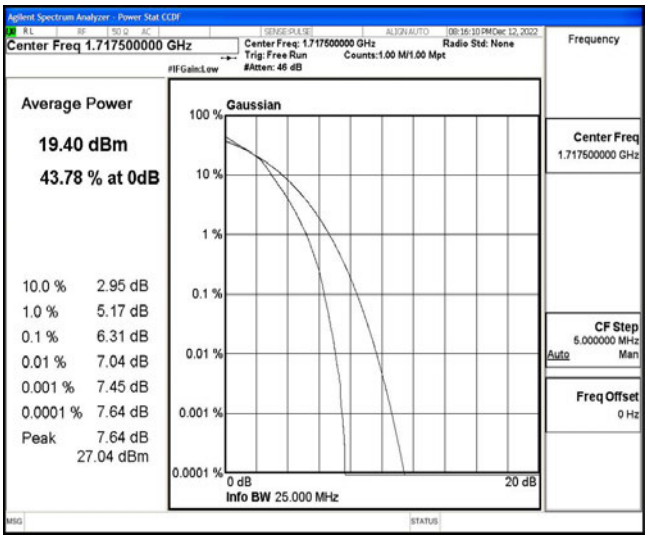
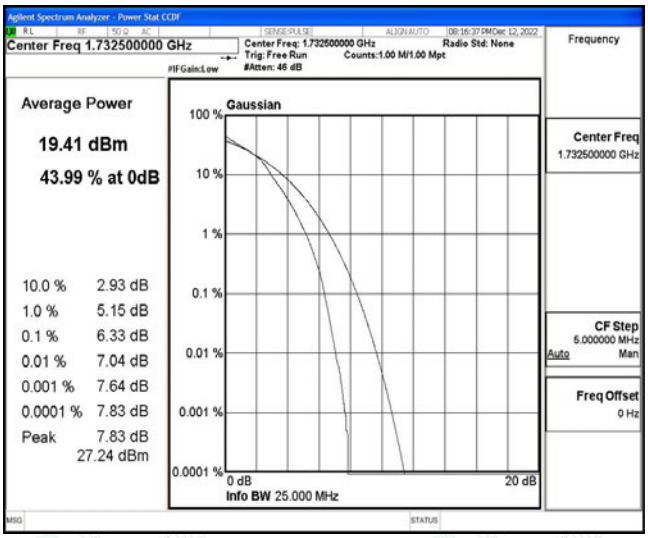



Band4-15MHz-16QAM-20175-75RB#0

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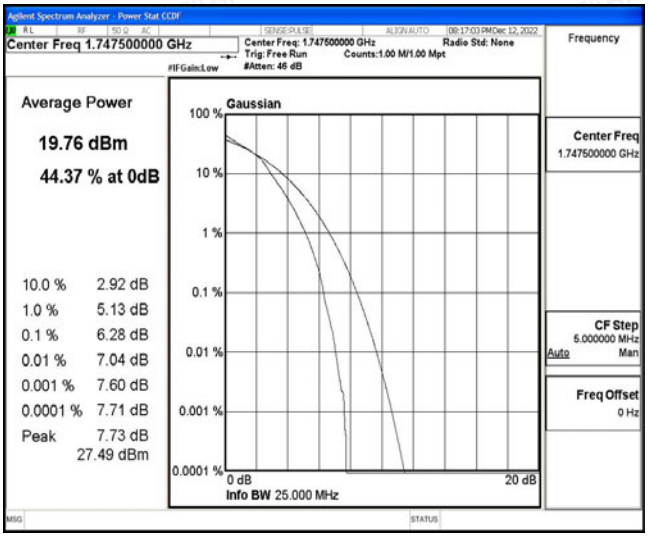


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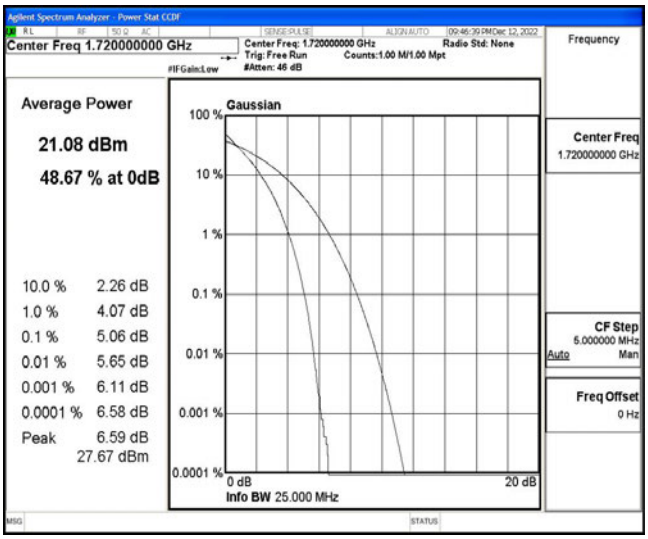
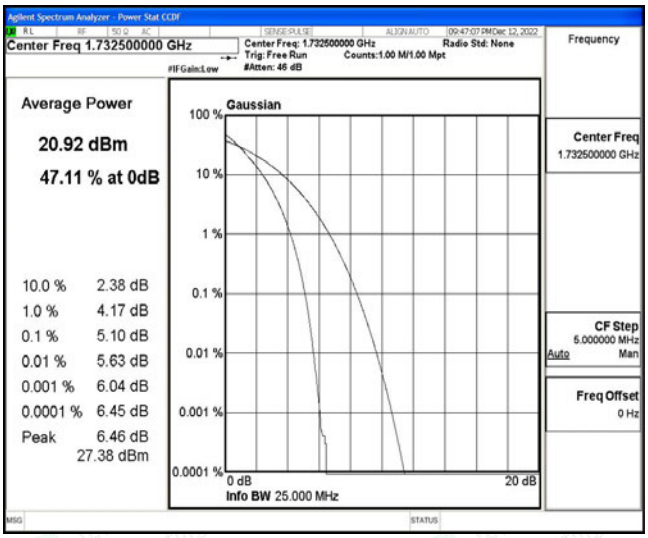
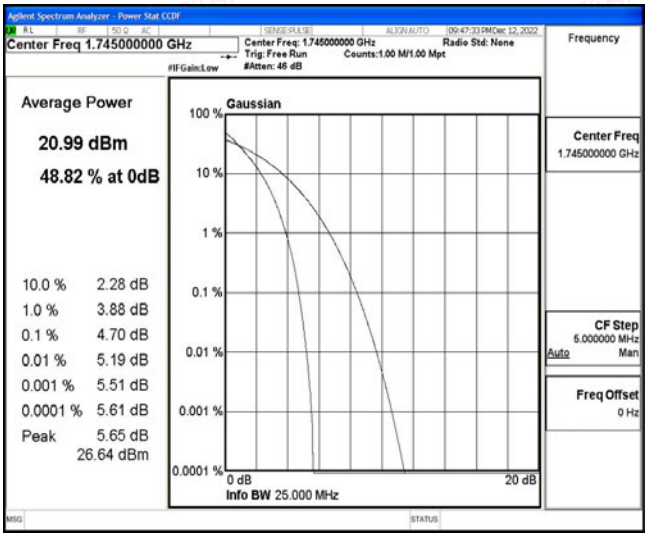



Band4-20MHz-QPSK-20175-100RB#0




Band4-20MHz-QPSK-20300-100RB#0

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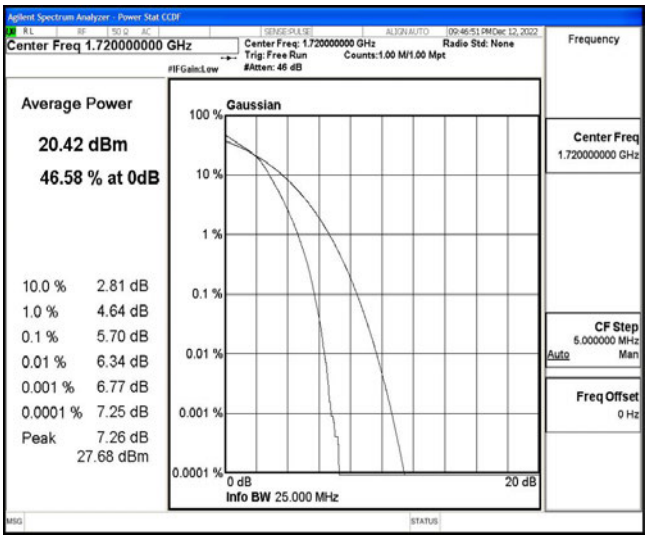
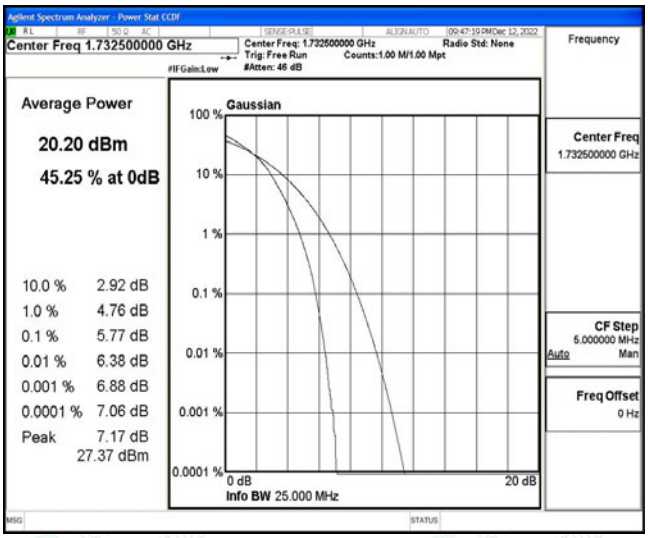
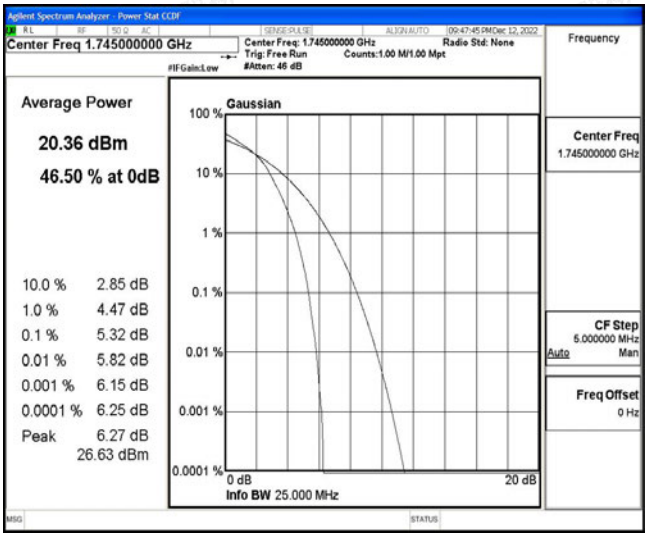



Band4-20MHz-16QAM-20175-100RB#0




Band4-20MHz-16QAM-20300-100RB#0


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 1.745000000 GHz
Center Freq: 1.745000000 GHz
Trig: Free Run
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
20.36 dBm
46.50 % at 0dB
10.0 % 2.85 dB
1.0 % 4.47 dB
0.1 % 5.32 dB
0.01 % 5.82 dB
0.001 % 6.15 dB
0.0001 % 6.25 dB
Peak 6.27 dB
26.63 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
1.745000000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

## B.3 26dB Bandwidth and Occupied Bandwidth

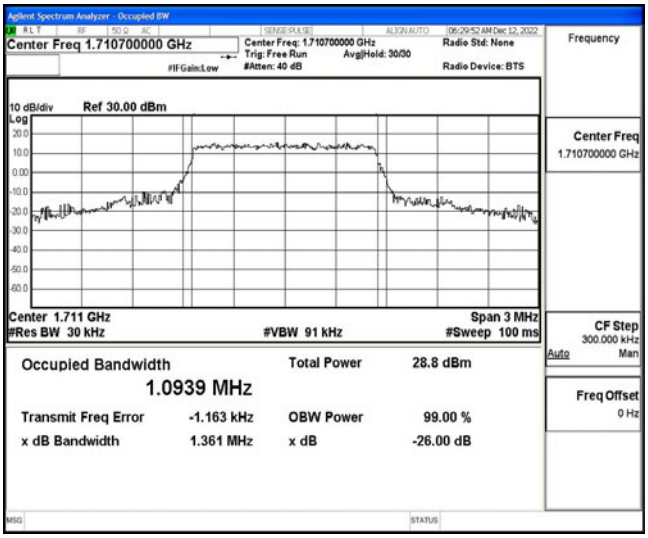
### Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 1.0939 | 1.361 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 1.1012 | 1.405 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 1.1026 | 1.304 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 1.1076 | 1.385 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 1.1105 | 1.383 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 1.1102 | 1.309 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 2.7123 | 3.012 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 2.7152 | 3.050 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 2.7106 | 3.013 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 2.6992 | 3.031 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 2.7048 | 3.015 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 2.7127 | 3.051 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 4.5317 | 4.978 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 4.5155 | 4.988 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 4.5028 | 4.971 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 4.5041 | 4.961 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 4.5023 | 4.961 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 4.5265 | 4.996 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 8.9985 | 9.883 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 8.9916 | 9.905 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 9.0150 | 9.897 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 9.0026 | 9.926 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 9.0034 | 9.916 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 9.0077 | 9.921 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 13.496 | 14.98 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 13.512 | 14.94 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 13.501 | 14.96 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 13.476 | 14.87 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 13.493 | 14.93 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 13.492 | 14.87 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 17.999 | 19.62 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 17.975 | 19.61 | PASS |

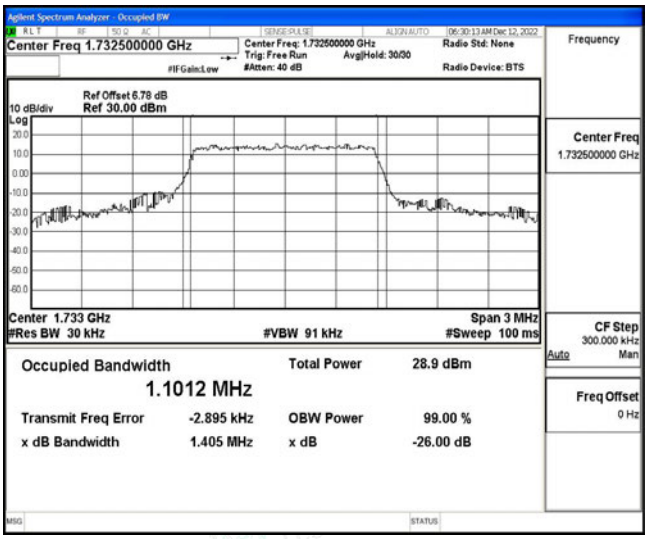
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 18.048 | 19.85 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 17.957 | 19.75 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 17.976 | 19.82 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 18.015 | 19.76 | PASS |

## Test Graphs

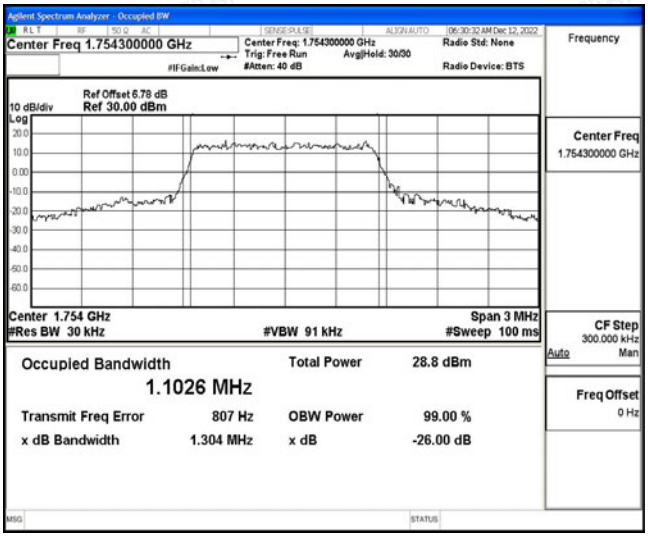
Band4-1.4MHz-QPSK-19957-6RB#0



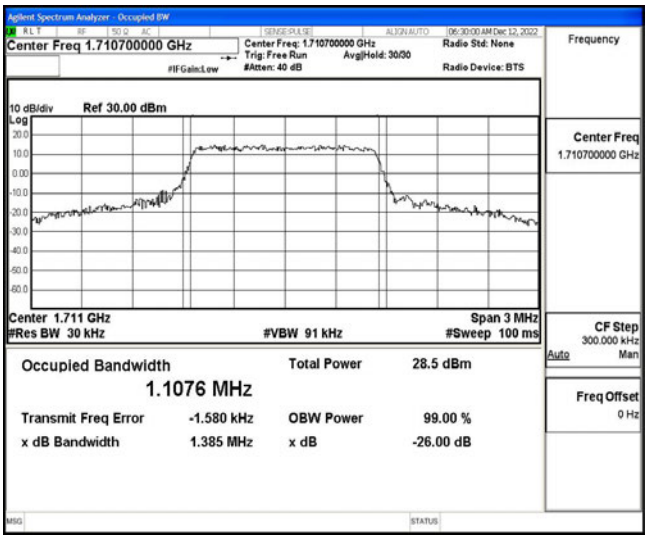

Band4-1.4MHz-QPSK-20175-6RB#0



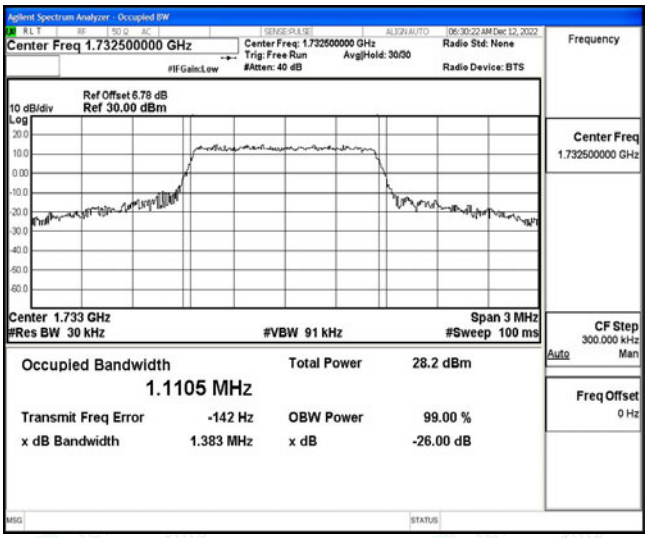

Band4-1.4MHz-QPSK-20393-6RB#0




Band4-1.4MHz-16QAM-19957-6RB#0




Band4-1.4MHz-16QAM-20175-6RB#0

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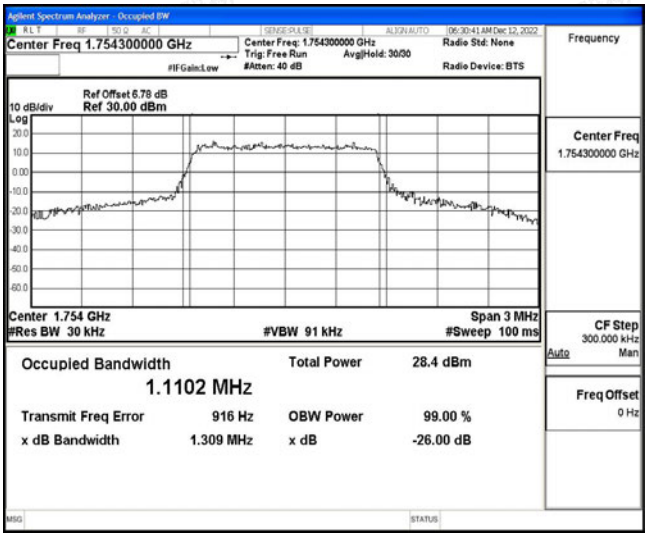
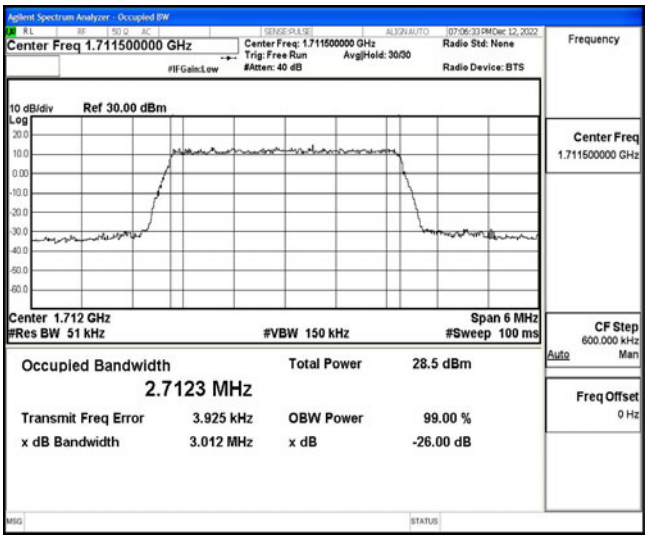



Band4-3MHz-QPSK-19965-15RB#0

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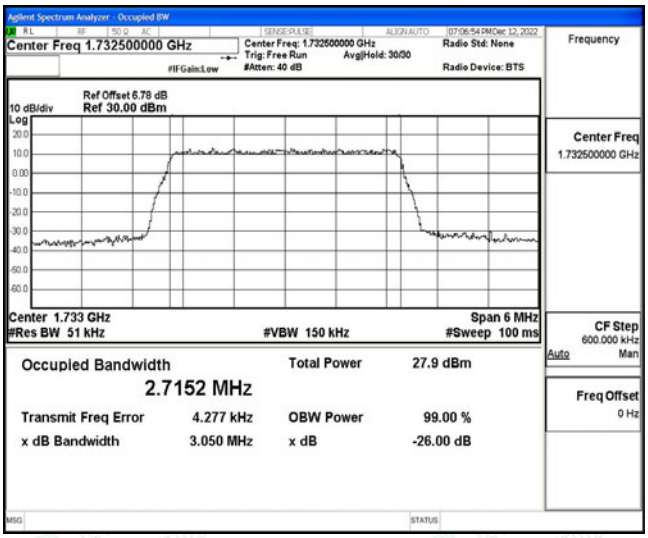


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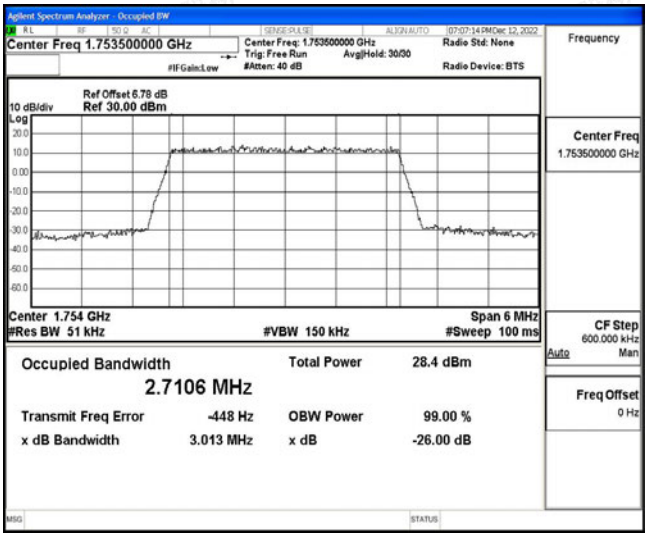


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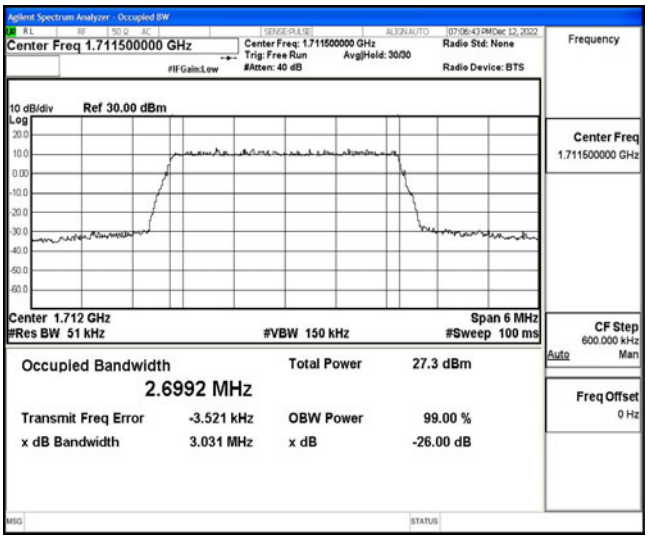


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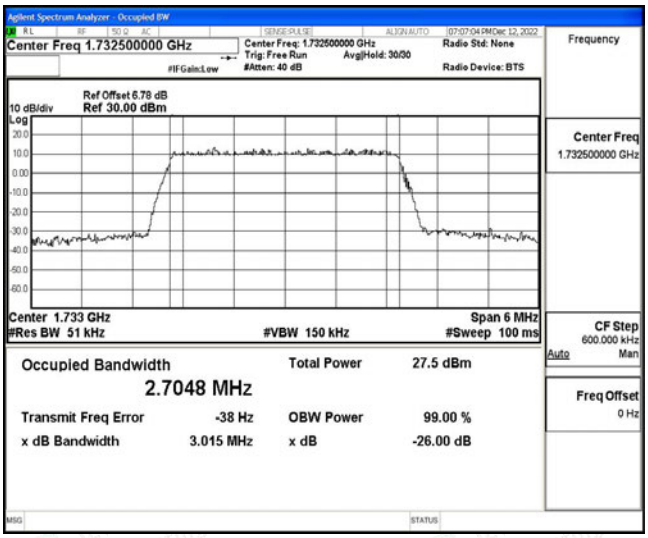


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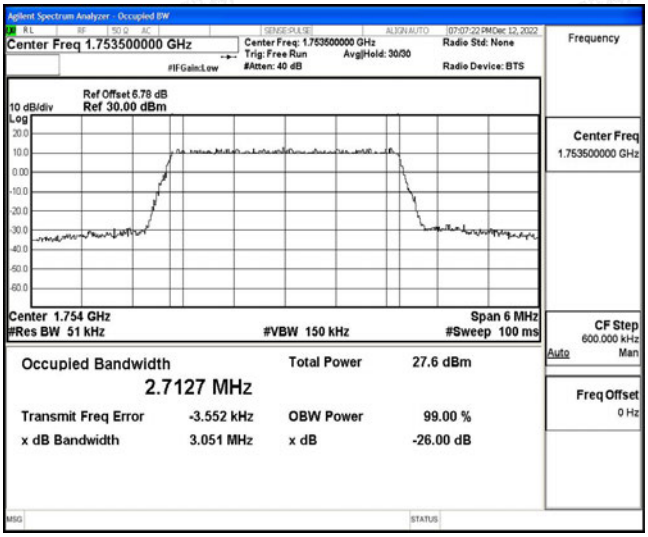


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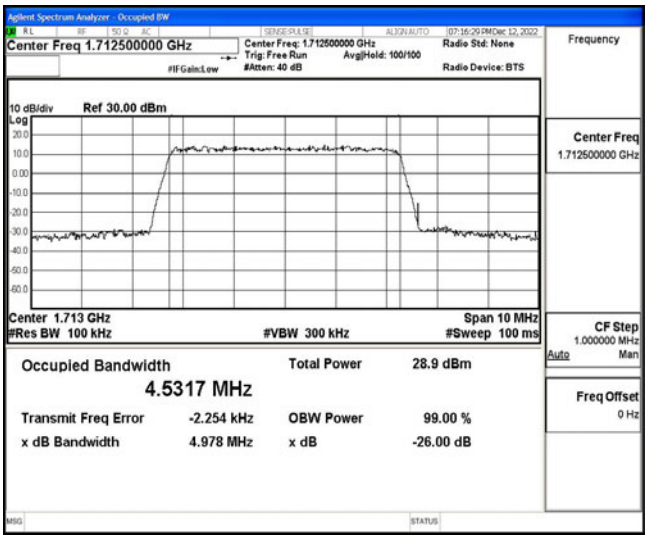


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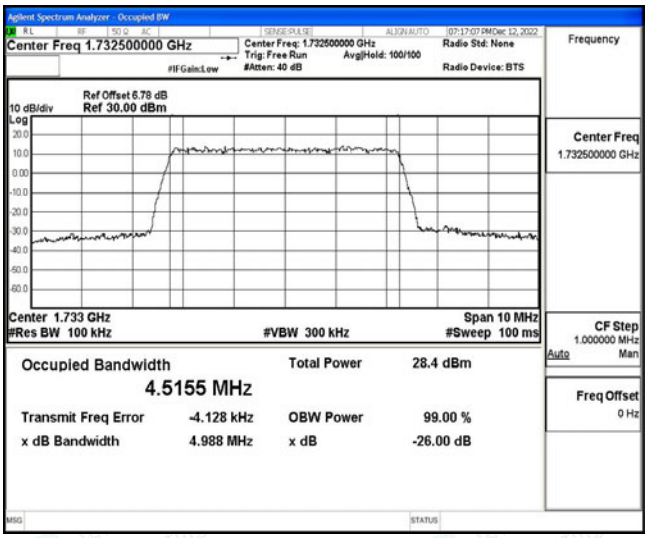


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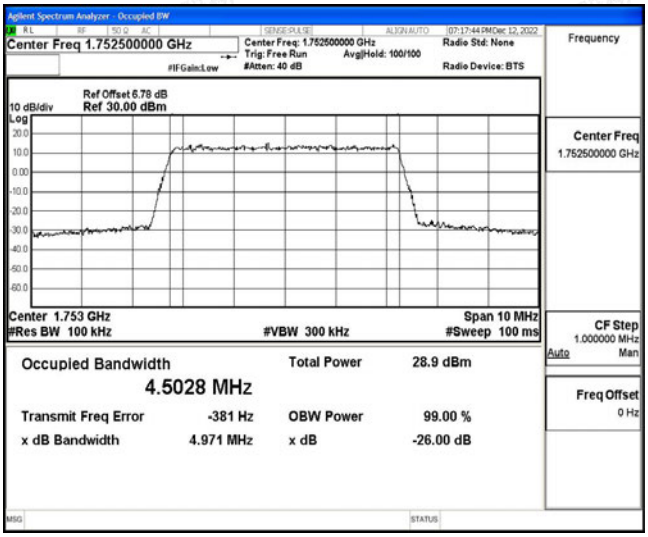


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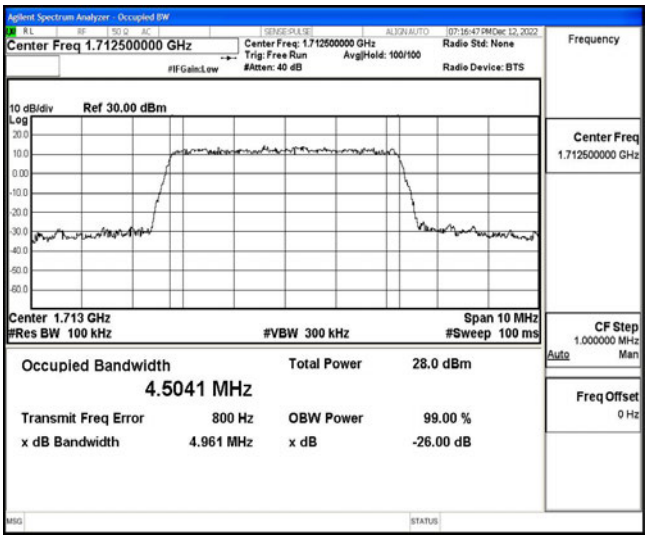


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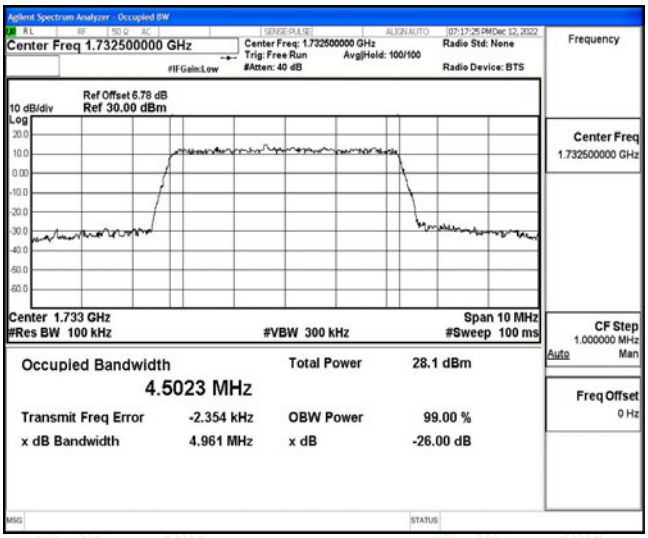
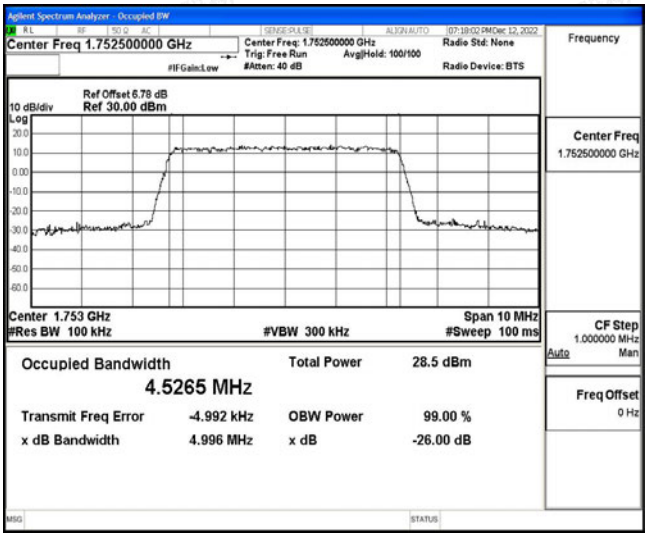
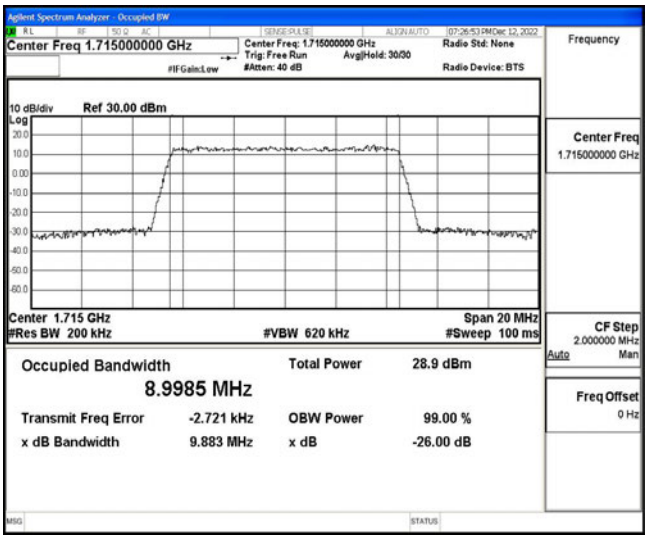



Band4-5MHz-16QAM-20375-25RB#0




Band4-10MHz-QPSK-20000-50RB#0

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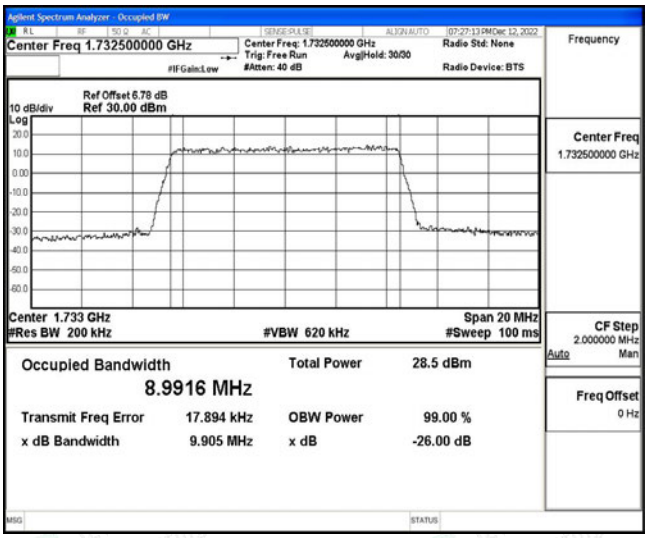


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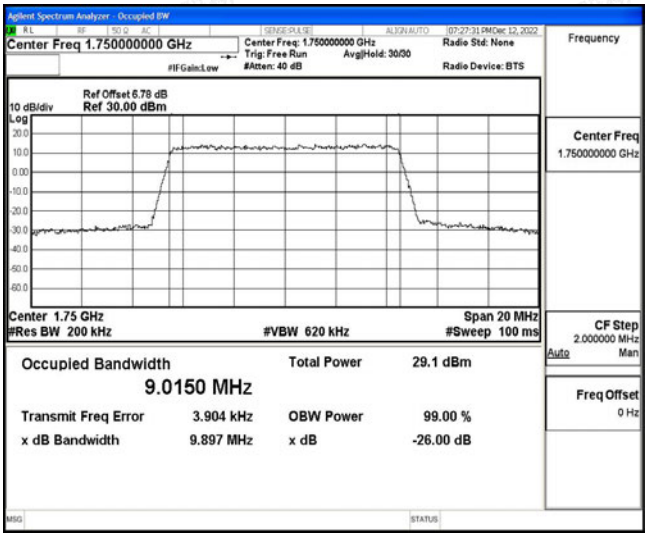


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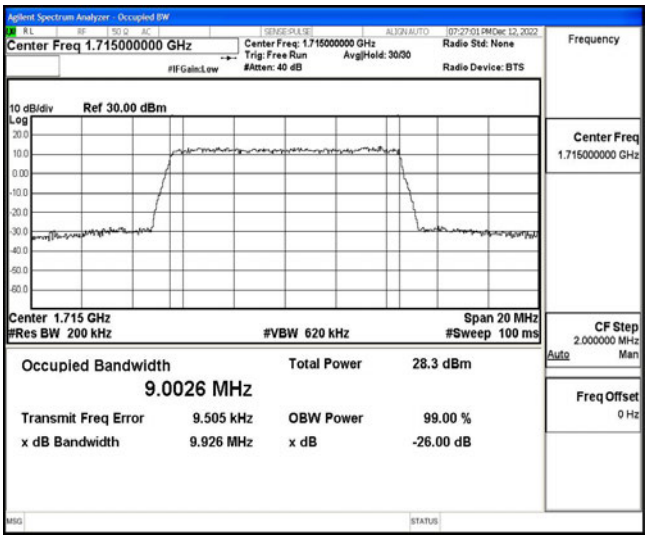


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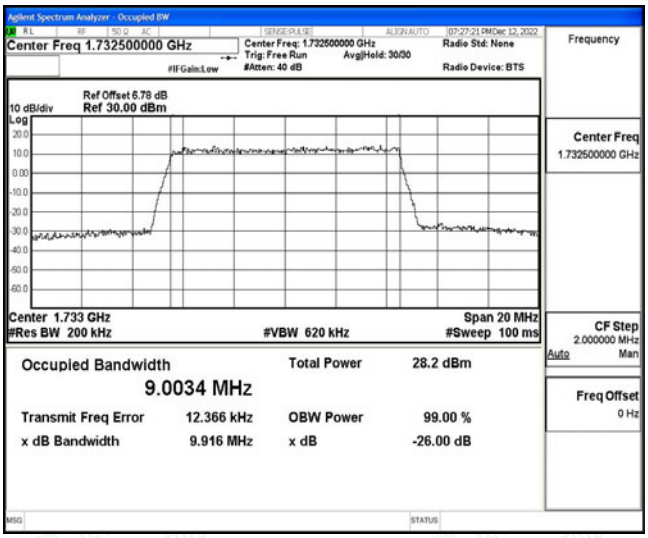


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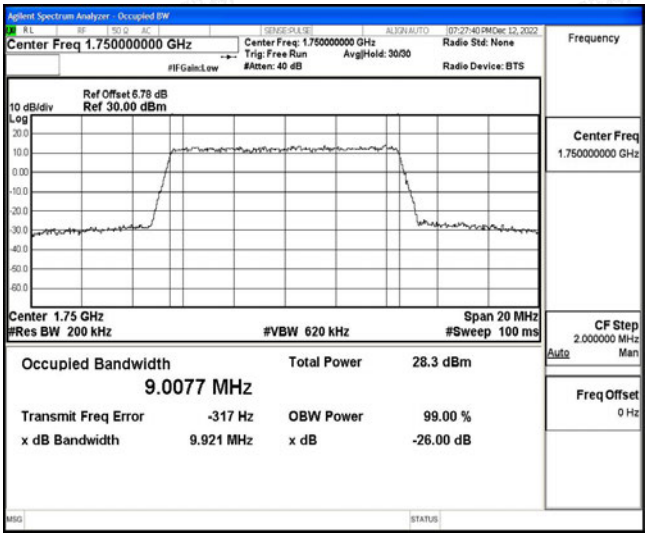
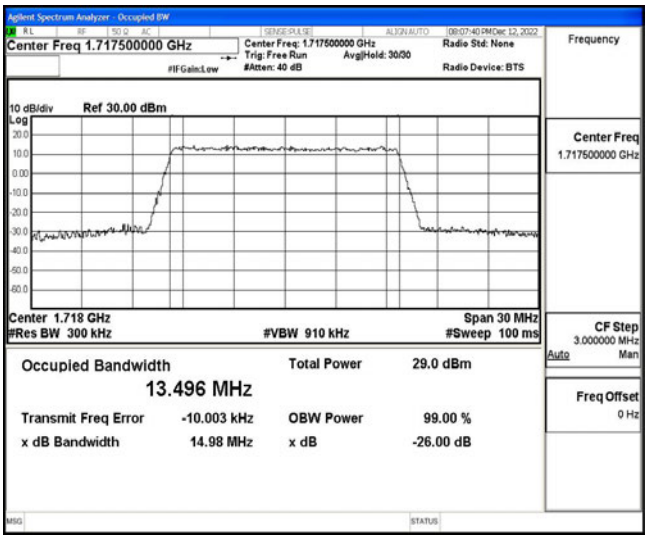



Band4-15MHz-QPSK-20025-75RB#0

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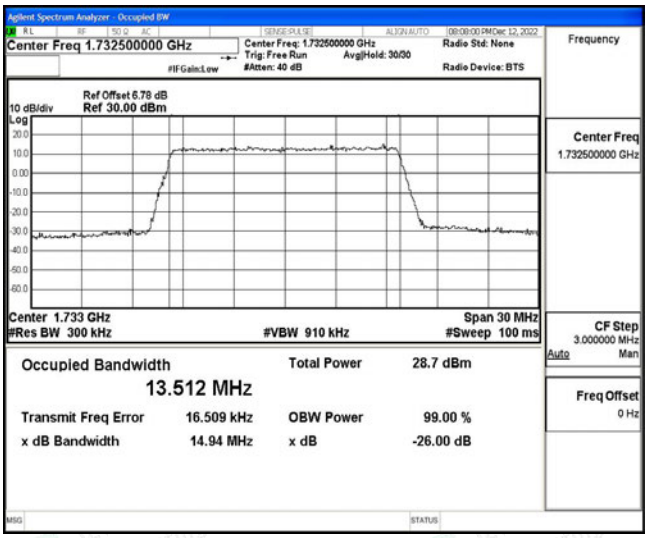


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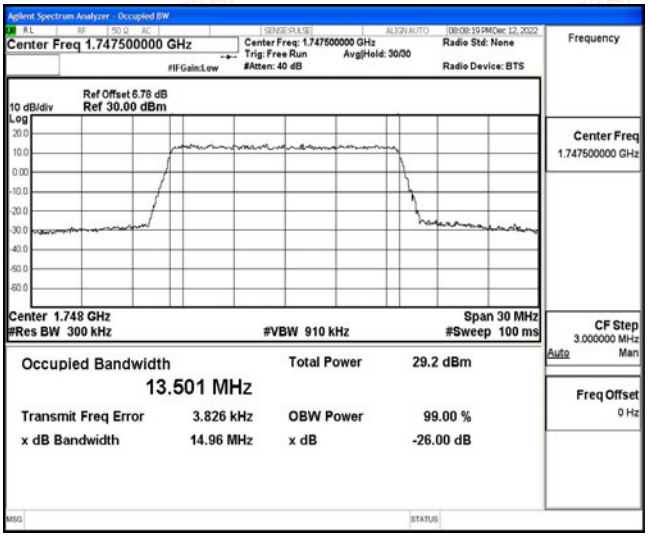


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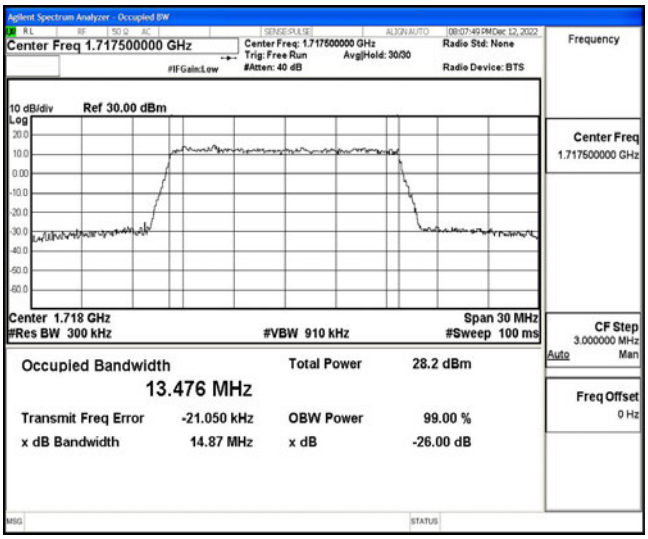


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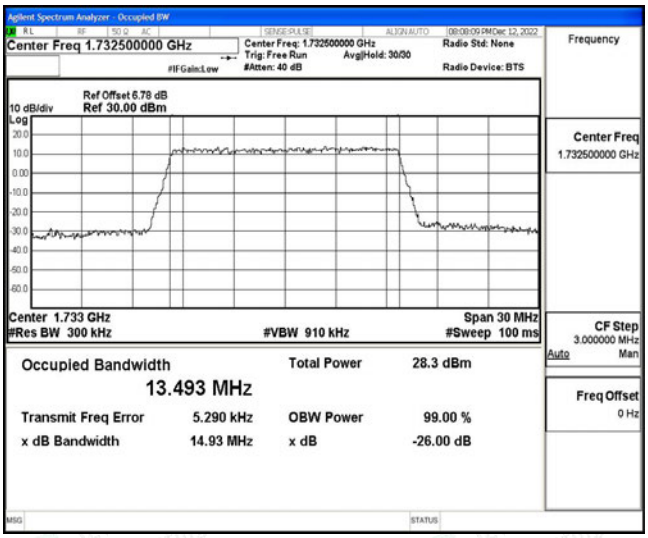


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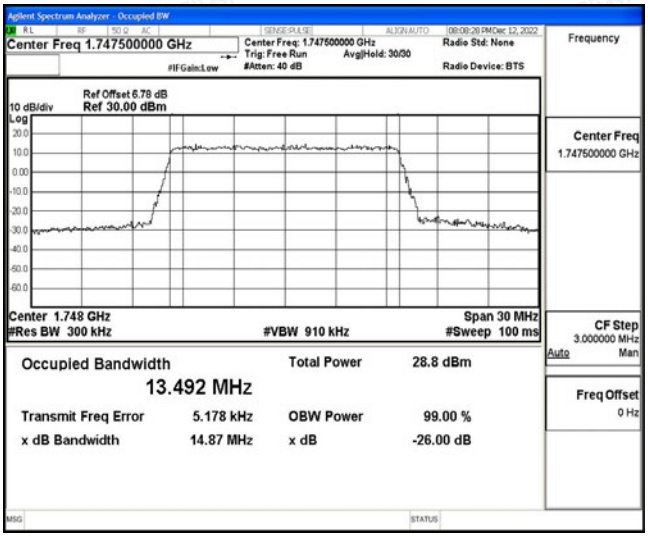


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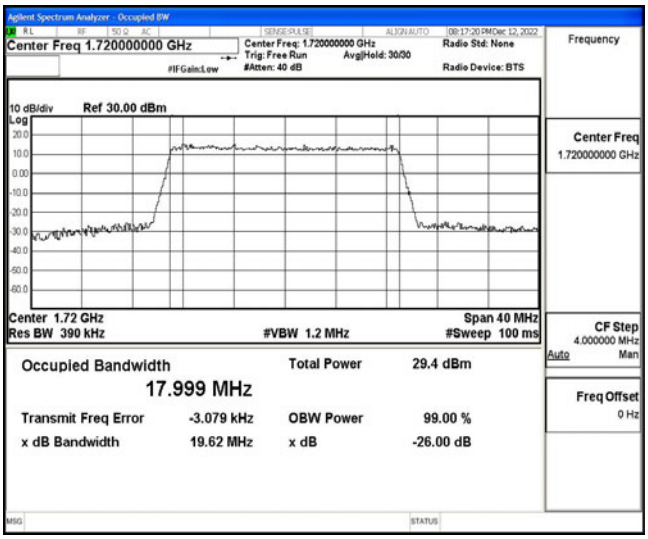


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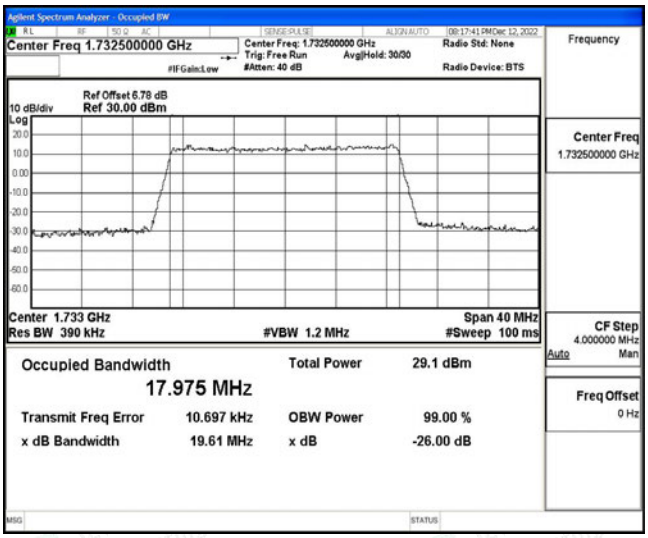


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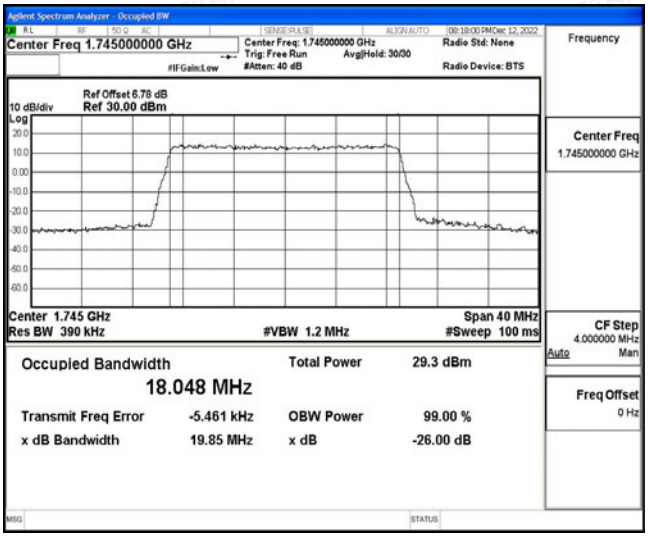


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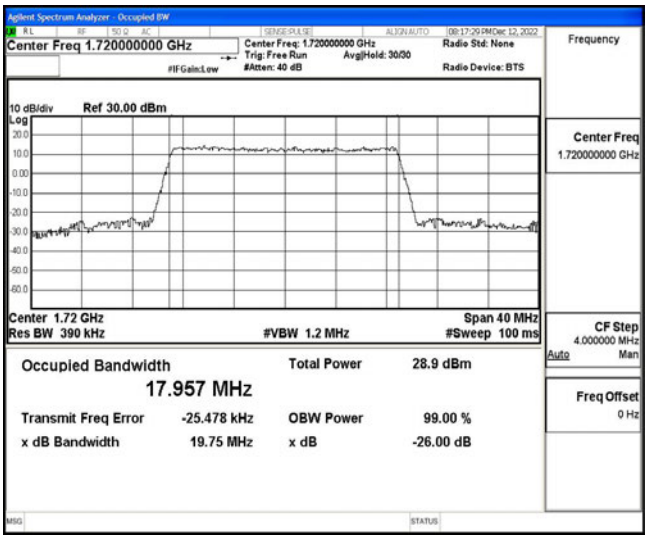


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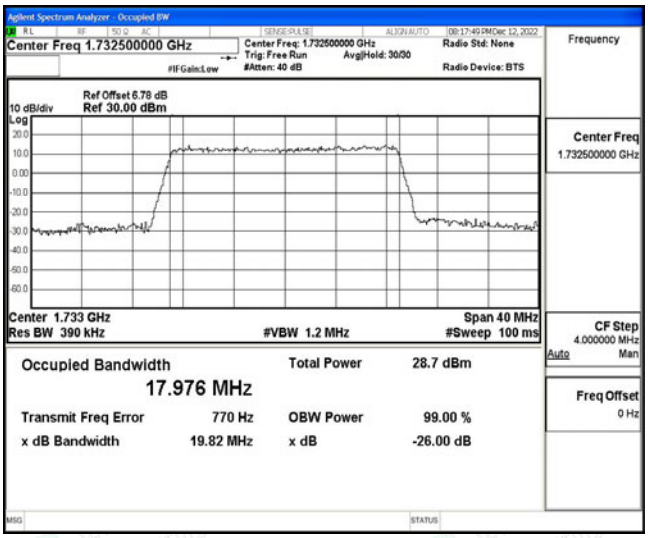


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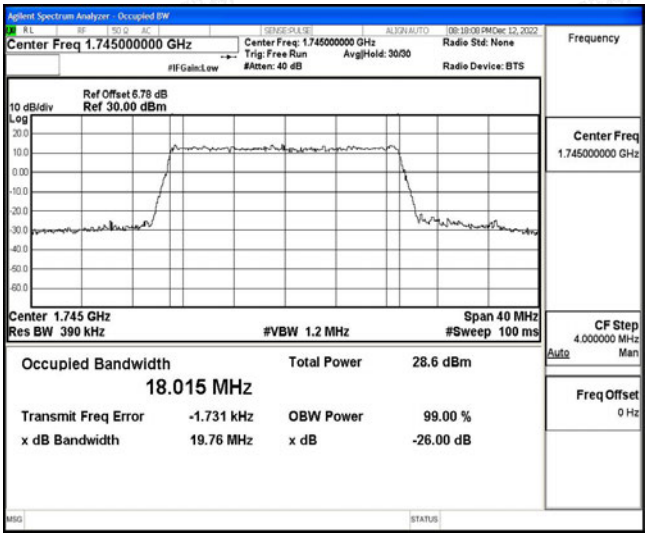

Agilent Spectrum Analyzer - Occupied BW
Center Freq 1.745000000 GHz
Center Freq: 1.745000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 6.78 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
1.745000000 GHz
Center 1.745 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.015 MHz
Total Power
28.6 dBm
Transmit Freq Error
-1.731 kHz
OBW Power
99.00 %
x dB Bandwidth
19.76 MHz
x dB
-26.00 dB
Freq Offset
0 Hz

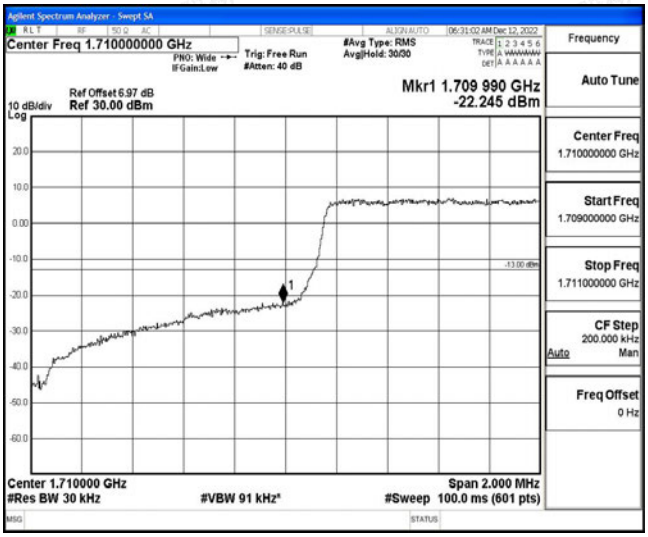
## B.4 Band Edge

### Test Result

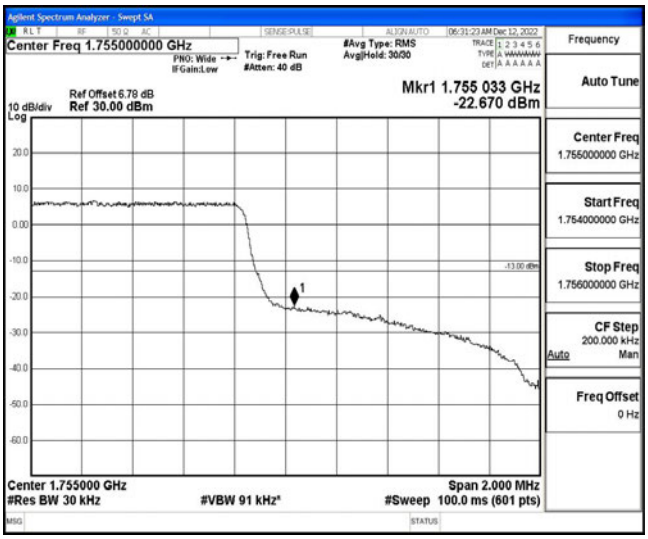
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | -22.24 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | -22.67 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | -23.57 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | -23.85 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | -23.25 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | -24.73 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | -25.13 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | -23.89 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | -29.71 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | -29.43 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | -29.89 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | -29.44 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | -32.81 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | -31.11 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | -33.22 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | -31.58 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | -32.59 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | -30.57 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | -32.88 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | -31.12 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | -35.01 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | -32.54 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | -34.46 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | -33.78 | PASS |

### Test Graphs

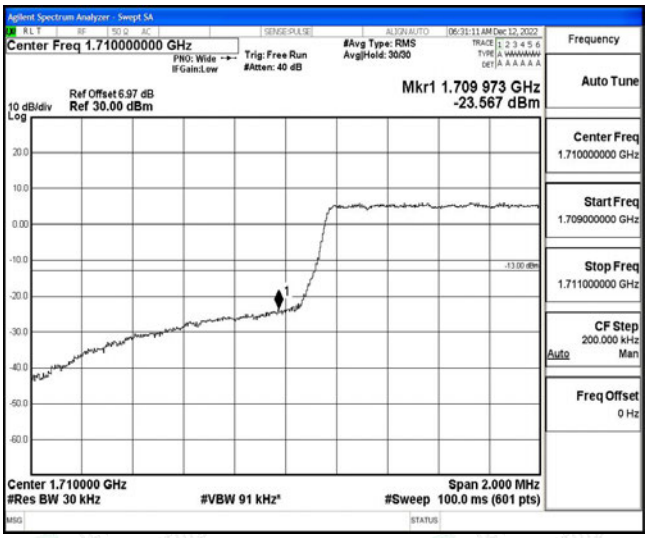
| Band4-1.4MHz-QPSK-19957-6RB#0 |
|---|



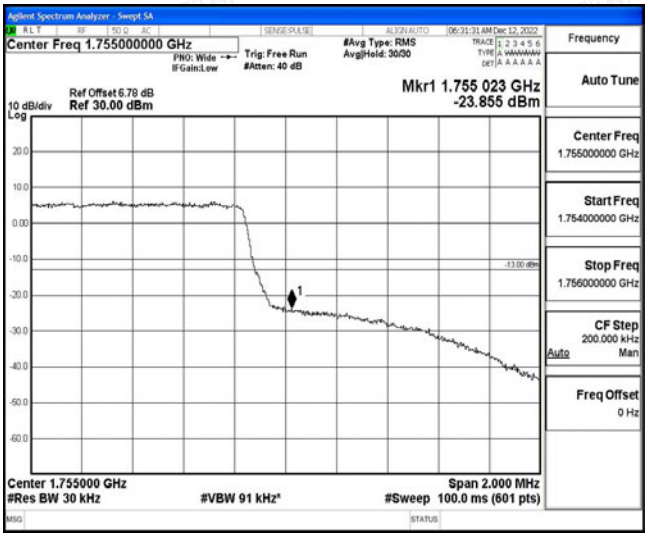

Band4-1.4MHz-QPSK-20393-6RB#0



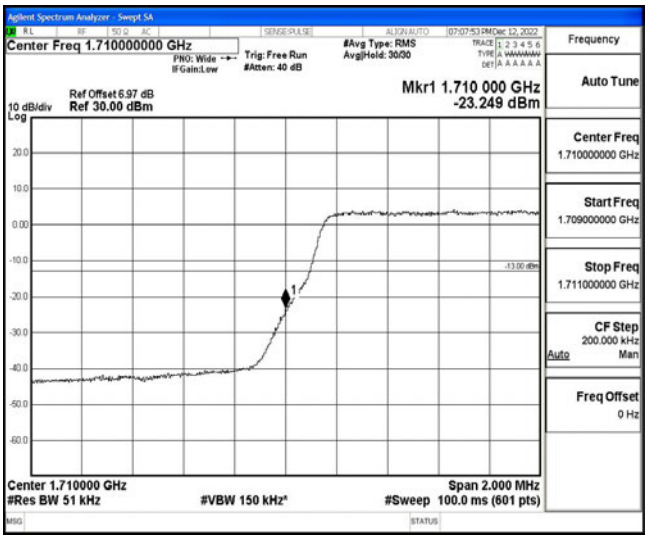

Band4-1.4MHz-16QAM-19957-6RB#0



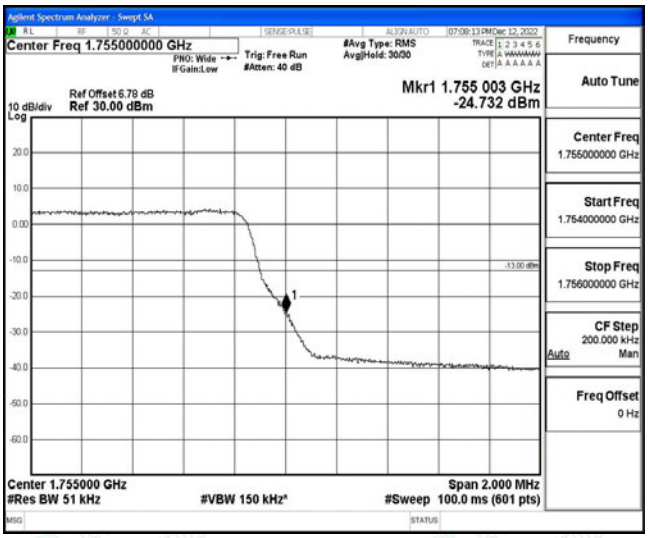

Band4-1.4MHz-16QAM-20393-6RB#0



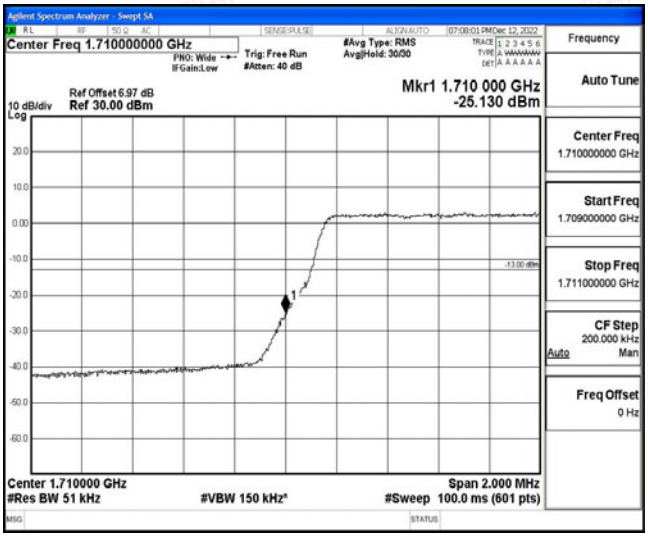

Band4-3MHz-QPSK-19965-15RB#0



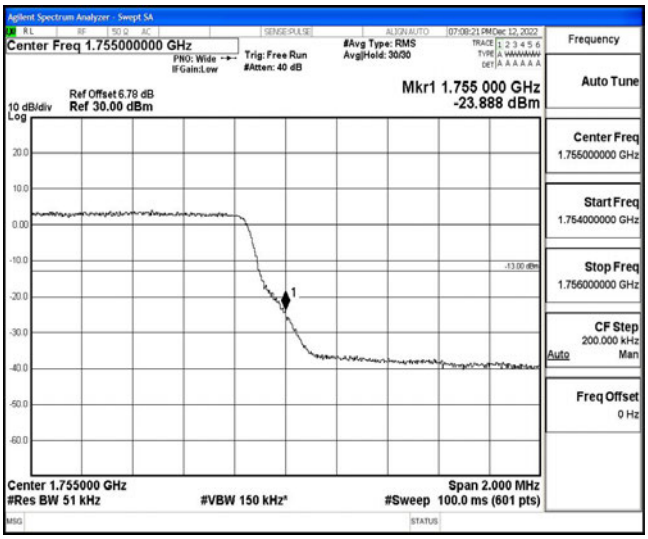

Band4-3MHz-QPSK-20385-15RB#0



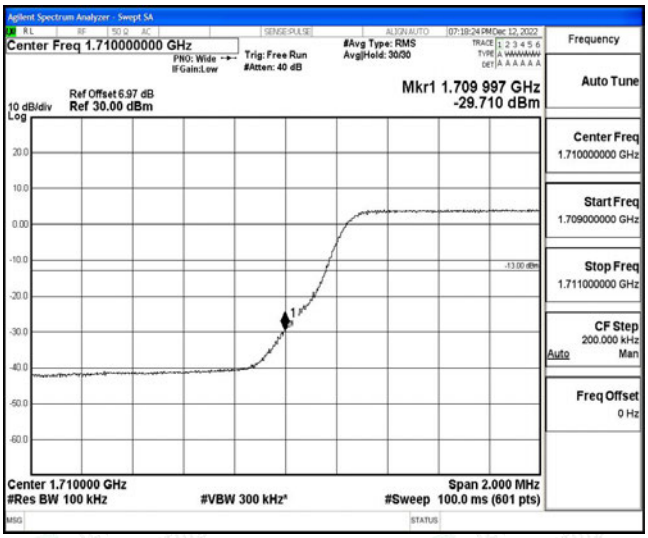

Band4-3MHz-16QAM-19965-15RB#0



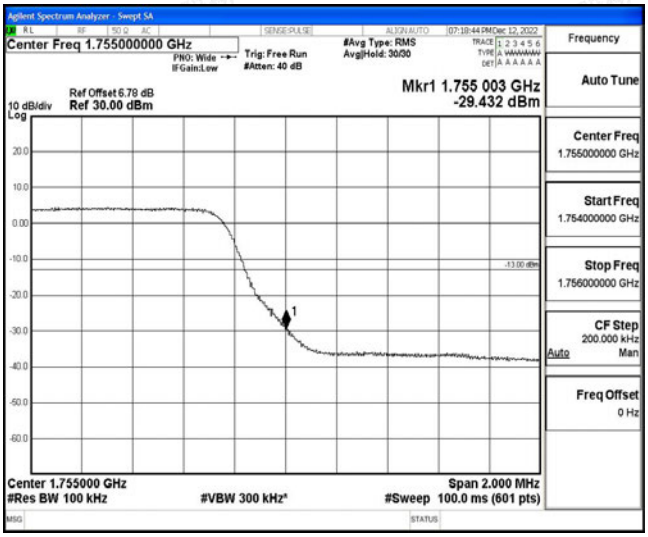

Band4-3MHz-16QAM-20385-15RB#0



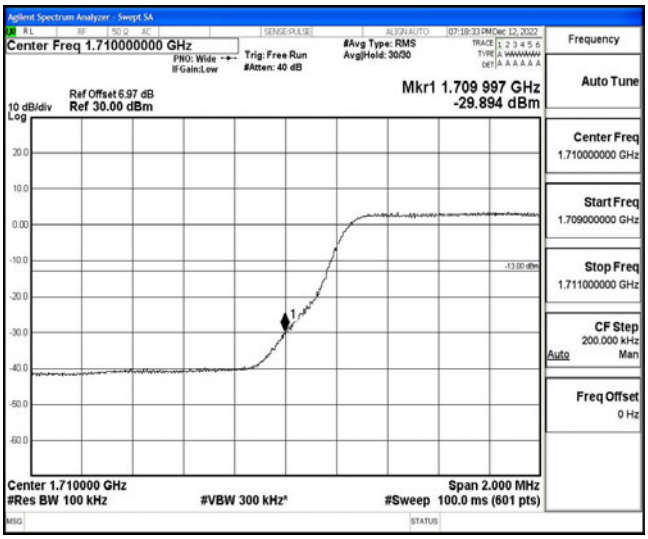

Band4-5MHz-QPSK-19975-25RB#0



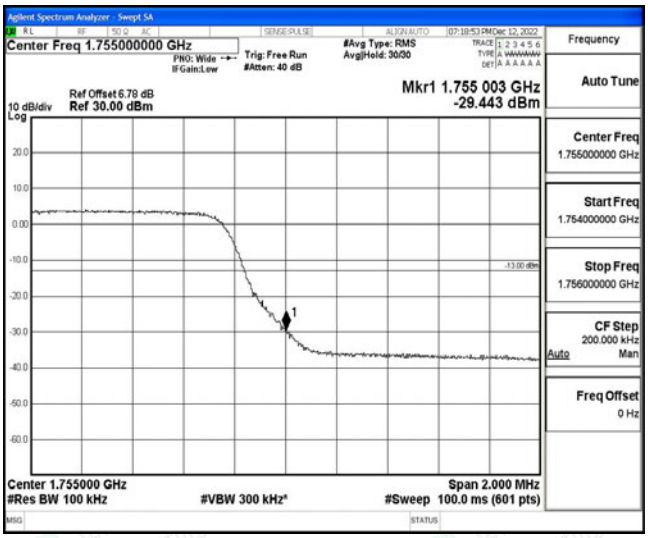

Band4-5MHz-QPSK-20375-25RB#0



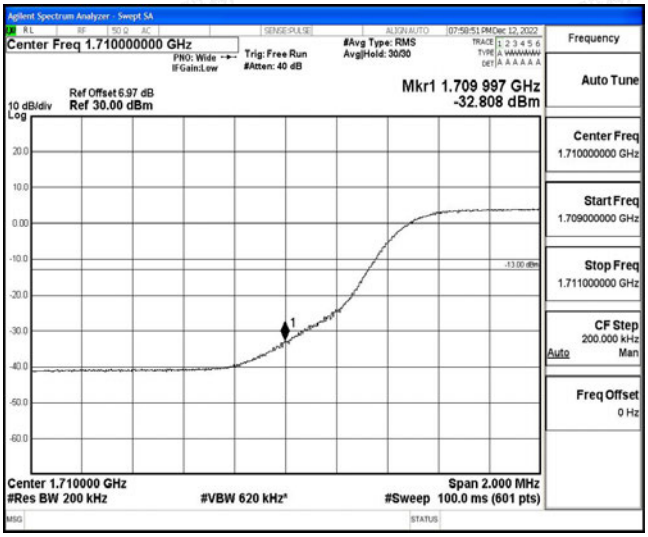

Band4-5MHz-16QAM-19975-25RB#0



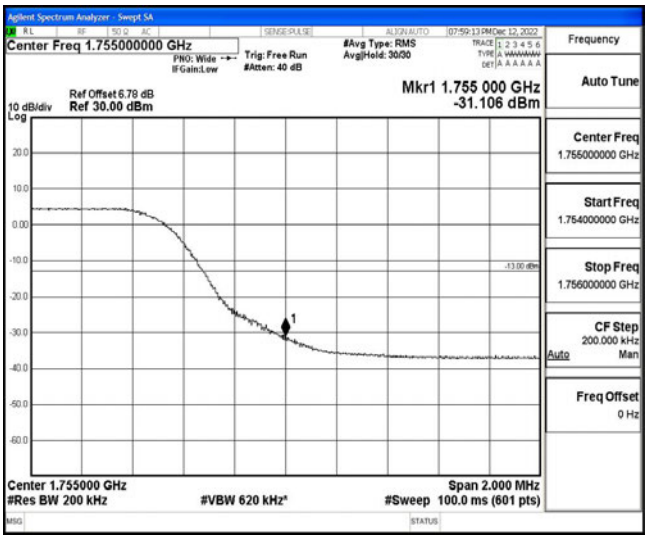

Band4-5MHz-16QAM-20375-25RB#0



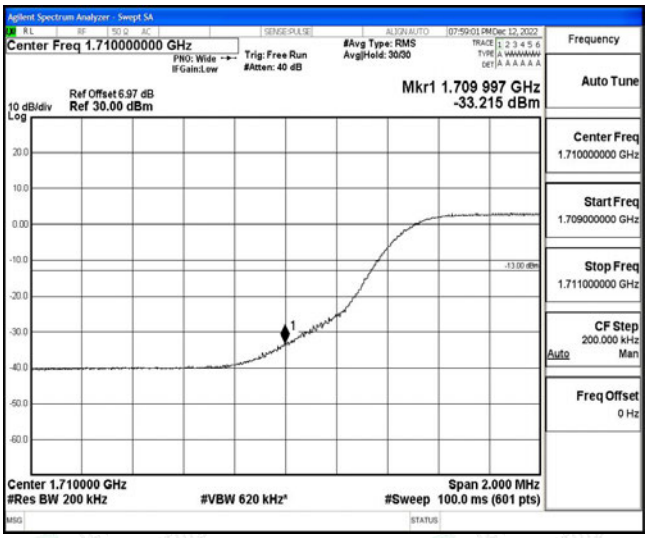

Band4-10MHz-QPSK-20000-50RB#0



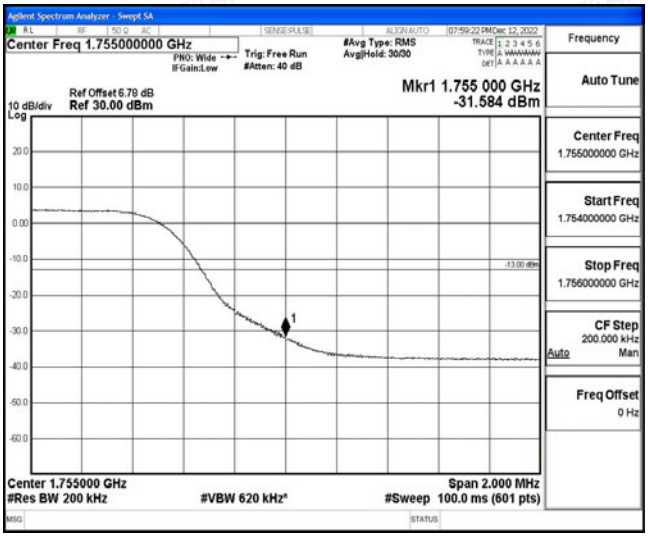

Band4-10MHz-QPSK-20350-50RB#0



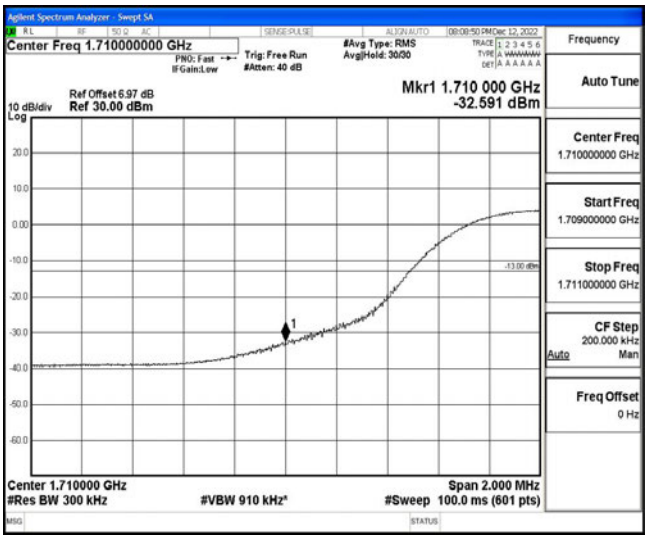

Band4-10MHz-16QAM-20000-50RB#0



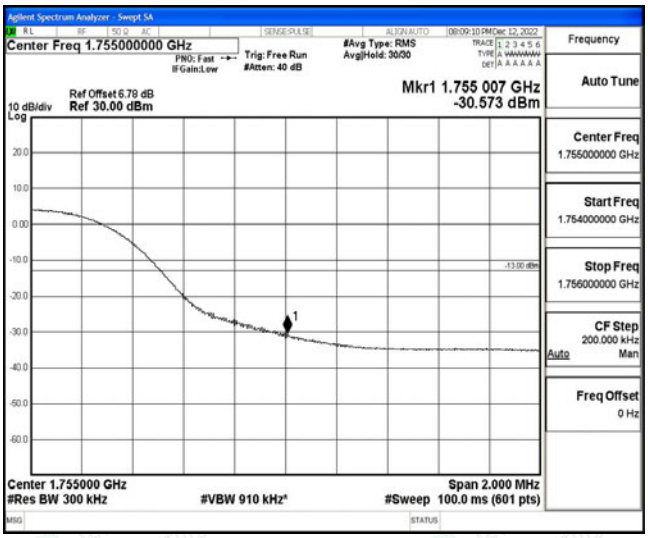

Band4-10MHz-16QAM-20350-50RB#0



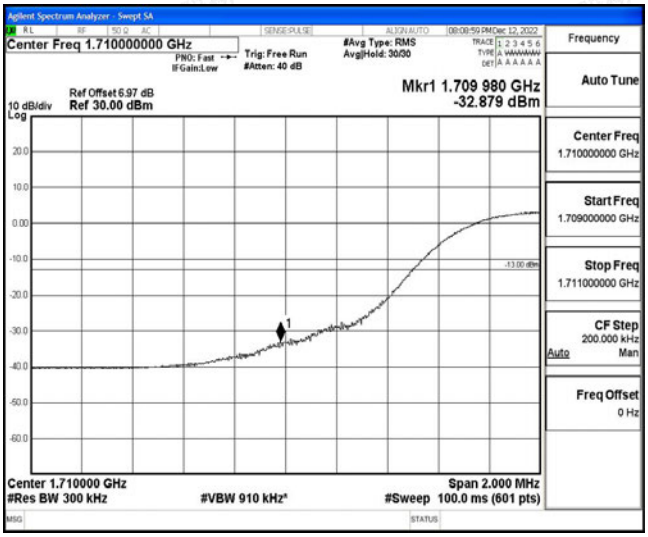

Band4-15MHz-QPSK-20025-75RB#0



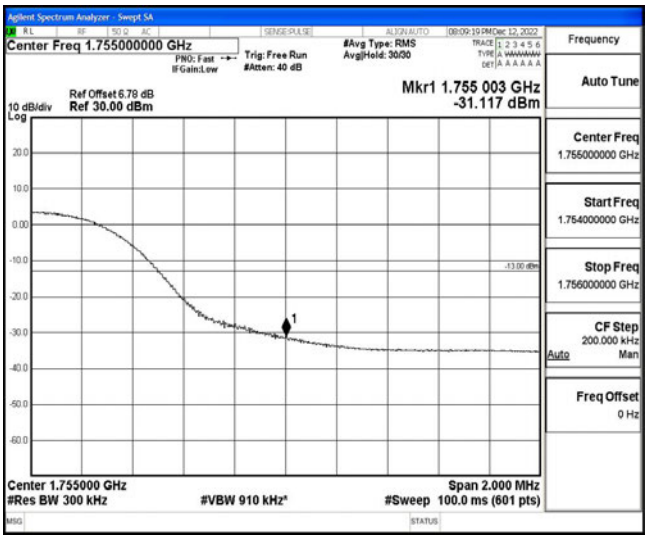

Band4-15MHz-QPSK-20325-75RB#0



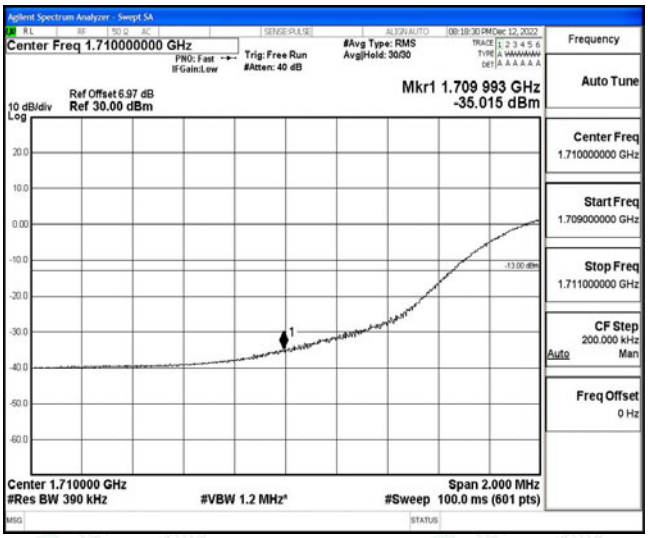

Band4-15MHz-16QAM-20025-75RB#0



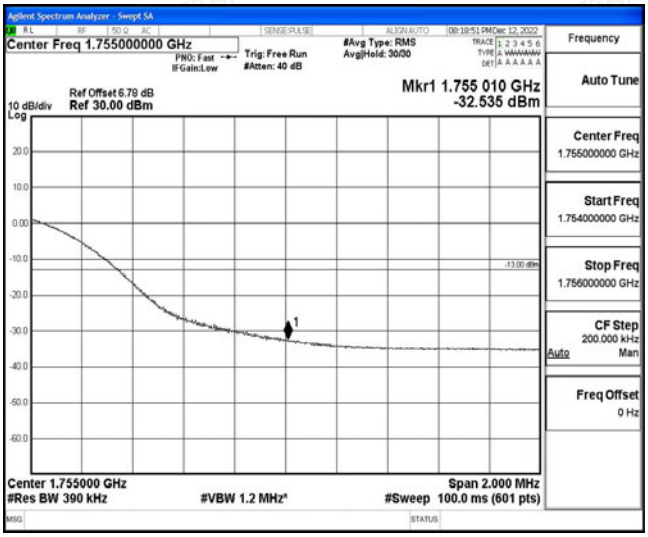

Band4-15MHz-16QAM-20325-75RB#0



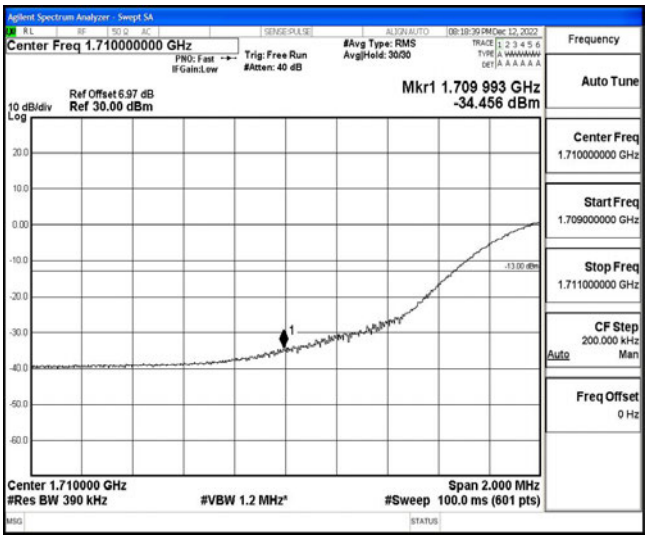

Band4-20MHz-QPSK-20050-100RB#0



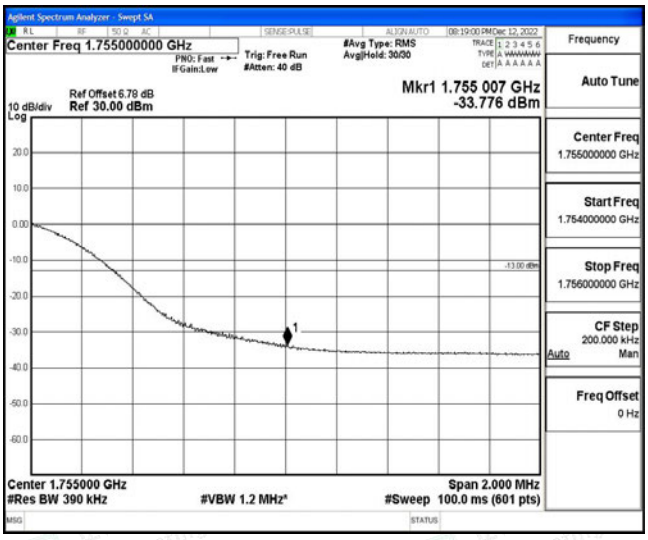

Band4-20MHz-QPSK-20300-100RB#0




Band4-20MHz-16QAM-20050-100RB#0




Band4-20MHz-16QAM-20300-100RB#0



# B.5 Conducted Spurious Emission

## Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | Range1:0.009~0.15MHz | -55.82 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | Range2:0.15~30MHz | -51.14 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | Range3:30~1000MHz | -41.74 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | Range4:1000~10000MHz | -44.89 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | Range5:10000~20000MHz | -33.24 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -55.57 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | Range2:0.15~30MHz | -53.11 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | Range3:30~1000MHz | -42.62 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | Range4:1000~10000MHz | -45.1 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.17 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | Range1:0.009~0.15MHz | -55.06 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | Range2:0.15~30MHz | -51.26 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | Range3:30~1000MHz | -41.1 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | Range4:1000~10000MHz | -44.97 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | Range5:10000~20000MHz | -33.06 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | Range1:0.009~0.15MHz | -56.2 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | Range2:0.15~30MHz | -50.57 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | Range3:30~1000MHz | -42.2 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | Range4:1000~10000MHz | -44.92 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | Range5:10000~20000MHz | -33.17 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -55.87 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | Range2:0.15~30MHz | -53.07 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | Range3:30~1000MHz | -41.58 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | Range4:1000~10000MHz | -45.04 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.18 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | Range1:0.009~0.15MHz | -54.6 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | Range2:0.15~30MHz | -52.47 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | Range3:30~1000MHz | -41.47 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | Range4:1000~10000MHz | -45 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | Range5:10000~20000MHz | -33.21 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | Range1:0.009~0.15MHz | -56.82 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | Range2:0.15~30MHz | -50.28 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | Range3:30~1000MHz | -41.3 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | Range4:1000~10000MHz | -44.11 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | Range5:10000~20000MHz | -33.01 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -55.76 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | Range2:0.15~30MHz | -49.78 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | Range3:30~1000MHz | -40.05 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | Range4:1000~10000MHz | -44.59 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.09 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | Range1:0.009~0.15MHz | -53.88 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | Range2:0.15~30MHz | -50.46 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | Range3:30~1000MHz | -42.2 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | Range4:1000~10000MHz | -44.92 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | Range5:10000~20000MHz | -33.09 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | Range1:0.009~0.15MHz | -55.37 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | Range2:0.15~30MHz | -49.88 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | Range3:30~1000MHz | -41.96 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | Range4:1000~10000MHz | -44.76 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | Range5:10000~20000MHz | -33.22 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -56.83 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | Range2:0.15~30MHz | -51.5 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | Range3:30~1000MHz | -42.41 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | Range4:1000~10000MHz | -44.78 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.14 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | Range1:0.009~0.15MHz | -55.06 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | Range2:0.15~30MHz | -49.85 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | Range3:30~1000MHz | -42.2 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | Range4:1000~10000MHz | -44.95 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | Range5:10000~20000MHz | -33.09 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | Range1:0.009~0.15MHz | -55.94 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | Range2:0.15~30MHz | -50.85 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | Range3:30~1000MHz | -41.78 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | Range4:1000~10000MHz | -44.52 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | Range5:10000~20000MHz | -33.09 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -56.65 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | Range2:0.15~30MHz | -51.3 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | Range3:30~1000MHz | -41.92 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | Range4:1000~10000MHz | -44.76 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.14 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | Range1:0.009~0.15MHz | -55.67 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | Range2:0.15~30MHz | -52.16 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | Range3:30~1000MHz | -41.24 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | Range4:1000~10000MHz | -44.88 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | Range5:10000~20000MHz | -33.15 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | Range1:0.009~0.15MHz | -55.9 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | Range2:0.15~30MHz | -52.29 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | Range3:30~1000MHz | -40.35 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | Range4:1000~10000MHz | -44.76 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | Range5:10000~20000MHz | -33.21 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -54.29 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | Range2:0.15~30MHz | -50.28 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | Range3:30~1000MHz | -42.05 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | Range4:1000~10000MHz | -44.76 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.11 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | Range1:0.009~0.15MHz | -55.22 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | Range2:0.15~30MHz | -51.3 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | Range3:30~1000MHz | -41.13 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | Range4:1000~10000MHz | -44.91 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | Range5:10000~20000MHz | -33.12 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | Range1:0.009~0.15MHz | -54.89 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | Range2:0.15~30MHz | -51.53 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | Range3:30~1000MHz | -42.33 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | Range4:1000~10000MHz | -44.21 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | Range5:10000~20000MHz | -33.09 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -53.95 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | Range2:0.15~30MHz | -53.35 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | Range3:30~1000MHz | -41.05 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | Range4:1000~10000MHz | -44.56 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | Range5:10000~20000MHz | -32.99 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | Range1:0.009~0.15MHz | -56.07 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | Range2:0.15~30MHz | -50.67 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | Range3:30~1000MHz | -41.83 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | Range4:1000~10000MHz | -44.95 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | Range5:10000~20000MHz | -33.02 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | Range1:0.009~0.15MHz | -53.99 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | Range2:0.15~30MHz | -51.46 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | Range3:30~1000MHz | -41.16 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | Range4:1000~10000MHz | -44.59 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | Range5:10000~20000MHz | -33.13 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -55.46 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | Range2:0.15~30MHz | -49.77 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | Range3:30~1000MHz | -40.82 | PASS |

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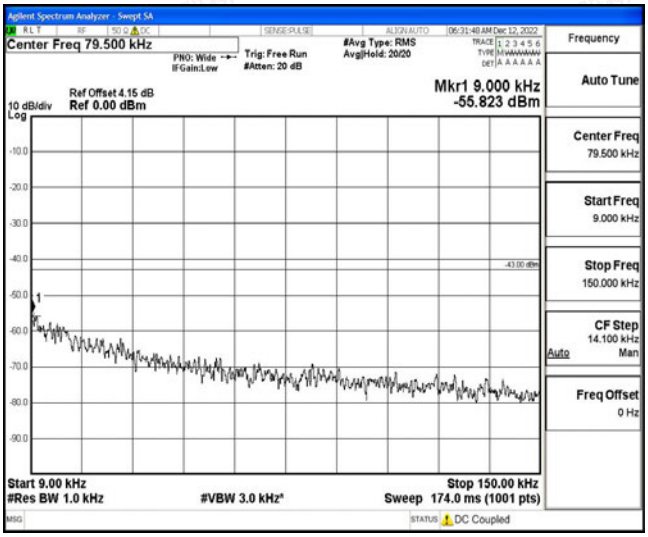
|---|---|---|---|---|---|---|---|
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | Range4:1000~10000MHz | -44.91 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.15 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | Range1:0.009~0.15MHz | -55.56 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | Range2:0.15~30MHz | -51.51 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | Range3:30~1000MHz | -42.15 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | Range4:1000~10000MHz | -44.95 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | Range5:10000~20000MHz | -33.09 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | Range1:0.009~0.15MHz | -54.82 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | Range2:0.15~30MHz | -50.54 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | Range3:30~1000MHz | -42.24 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | Range4:1000~10000MHz | -44.7 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | Range5:10000~20000MHz | -33.08 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -55.88 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | Range2:0.15~30MHz | -52.06 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | Range3:30~1000MHz | -41.85 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | Range4:1000~10000MHz | -44.86 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.04 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | Range1:0.009~0.15MHz | -55.31 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | Range2:0.15~30MHz | -51.7 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | Range3:30~1000MHz | -42.13 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | Range4:1000~10000MHz | -44.84 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | Range5:10000~20000MHz | -33.1 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | Range1:0.009~0.15MHz | -55.67 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | Range2:0.15~30MHz | -51.41 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | Range3:30~1000MHz | -41.91 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | Range4:1000~10000MHz | -44.88 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | Range5:10000~20000MHz | -33.19 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -53.99 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | Range2:0.15~30MHz | -49.13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | Range3:30~1000MHz | -42.65 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | Range4:1000~10000MHz | -44.93 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.07 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | Range1:0.009~0.15MHz | -55.15 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | Range2:0.15~30MHz | -48.94 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | Range3:30~1000MHz | -43.09 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | Range4:1000~10000MHz | -44.96 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | Range5:10000~20000MHz | -33.2 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | Range1:0.009~0.15MHz | -53.37 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | Range2:0.15~30MHz | -51.11 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | Range3:30~1000MHz | -41.17 | PASS |

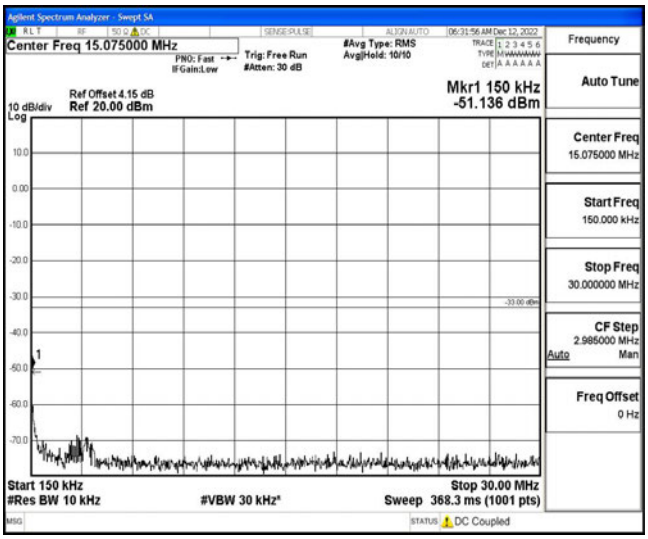
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | Range4:1000~10000MHz | -45.01 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | Range5:10000~20000MHz | -33.29 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -55.09 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | Range2:0.15~30MHz | -51.21 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | Range3:30~1000MHz | -42.11 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | Range4:1000~10000MHz | -45.14 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.26 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | Range1:0.009~0.15MHz | -56.43 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | Range2:0.15~30MHz | -49.56 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | Range3:30~1000MHz | -42.23 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | Range4:1000~10000MHz | -45.02 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | Range5:10000~20000MHz | -33.35 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | Range1:0.009~0.15MHz | -54.5 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | Range2:0.15~30MHz | -50.76 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | Range3:30~1000MHz | -42.3 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | Range4:1000~10000MHz | -45 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | Range5:10000~20000MHz | -33.41 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | Range1:0.009~0.15MHz | -56.5 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | Range2:0.15~30MHz | -50.91 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | Range3:30~1000MHz | -41.63 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | Range4:1000~10000MHz | -45.11 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | Range5:10000~20000MHz | -33.34 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | Range1:0.009~0.15MHz | -53.41 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | Range2:0.15~30MHz | -50.74 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | Range3:30~1000MHz | -42.57 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | Range4:1000~10000MHz | -45.05 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | Range5:10000~20000MHz | -33.27 | PASS |

## Test Graphs

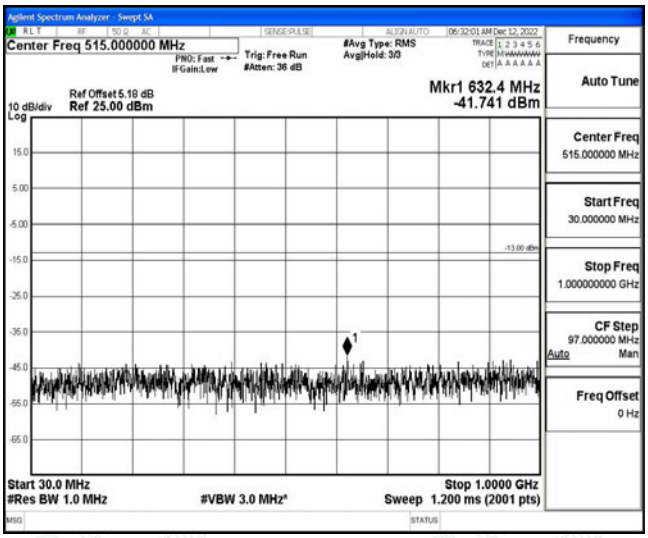
Band4-1.4MHz-QPSK-19957-1RB#0-Range1:0.009~0.15MHz



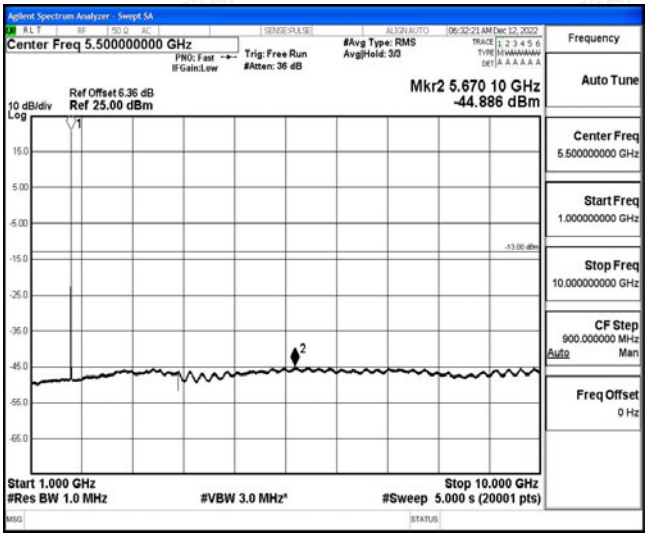

Band4-1.4MHz-QPSK-19957-1RB#0-Range2:0.15~30MHz



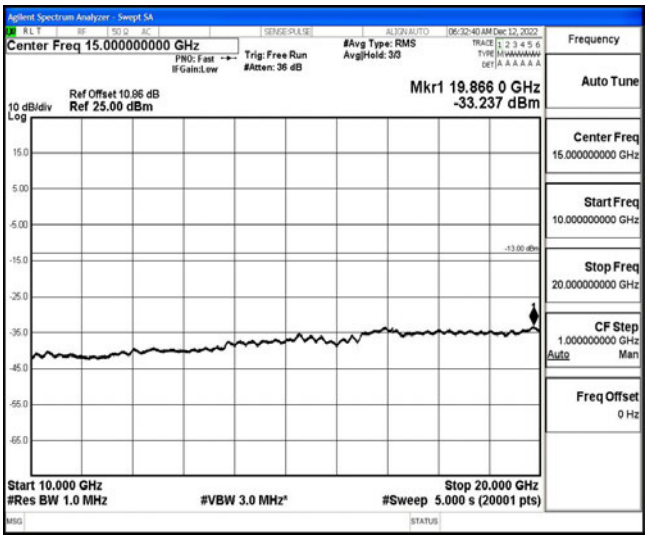

Band4-1.4MHz-QPSK-19957-1RB#0-Range3:30~1000MHz



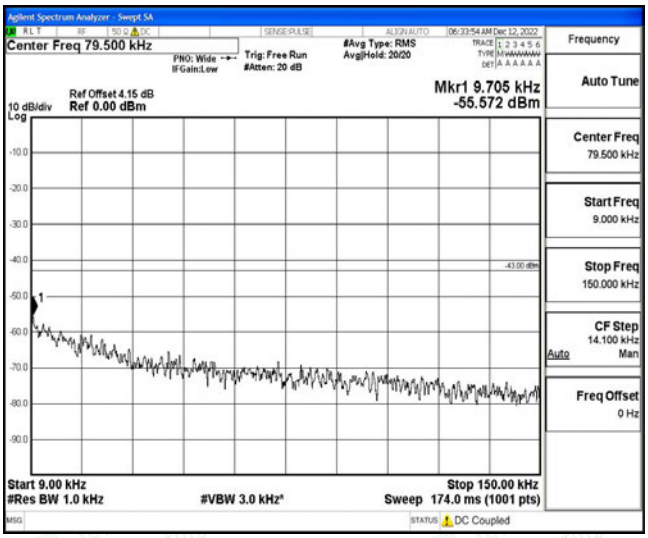

Band4-1.4MHz-QPSK-19957-1RB#0-Range4:1000~10000MHz



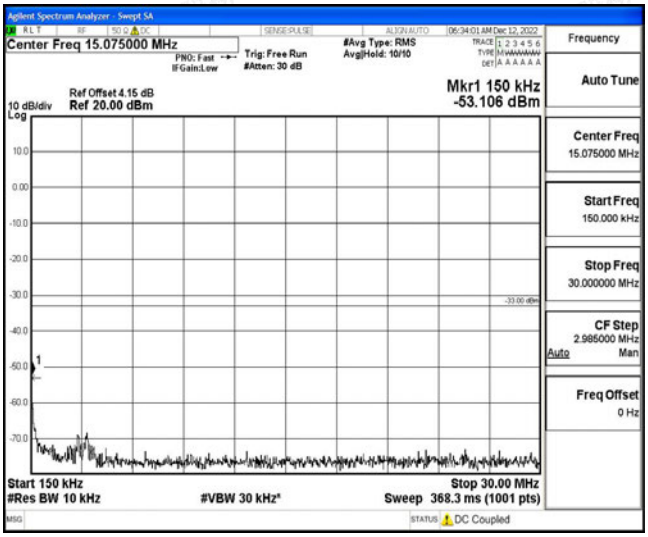

Band4-1.4MHz-QPSK-19957-1RB#0-Range5:10000~20000MHz



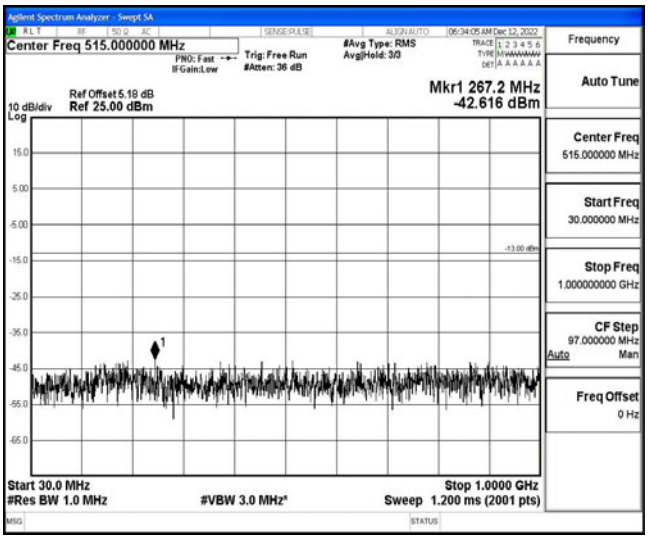

Band4-1.4MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



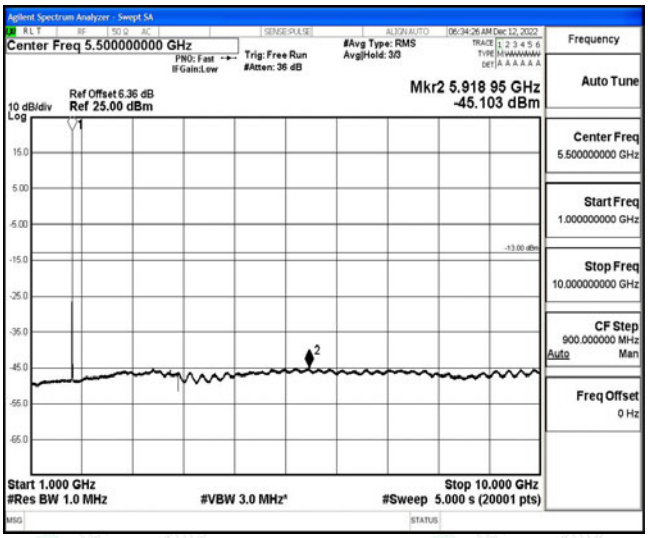

Band4-1.4MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz




Band4-1.4MHz-QPSK-20175-1RB#0-Range3:30~1000MHz




Band4-1.4MHz-QPSK-20175-1RB#0-Range4:1000~10000MHz




Band4-1.4MHz-QPSK-20175-1RB#0-Range5:10000~20000MHz