# Appendix M: Test Data for E-UTRA Band 26-824-849

**Product Name: SmartHub**

**Test Model: SmartHub v2**

**Environmental Conditions**

| | |
|---|---|
| Temperature: | 23.8° C |
| Relative Humidity: | 52.2% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Ling Zhu |
| Supervised by: | Li Huan |

# M.1 Effective (Isotropic) Radiated Power Output Data for M1

## Test Result

| Band | Bandwidth | Modulation | Channel | RB Size | RB Start | NBIndex | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| Band26 | 1.4MHz | 26797 | QPSK | 1 | 0 | Low | 20.50 | PASS |
| Band26 | 1.4MHz | 26797 | QPSK | 1 | 5 | Low | 20.34 | PASS |
| Band26 | 1.4MHz | 26797 | QPSK | 6 | 0 | Low | 17.95 | PASS |
| Band26 | 1.4MHz | 26915 | QPSK | 1 | 0 | Low | 20.12 | PASS |
| Band26 | 1.4MHz | 26915 | QPSK | 1 | 5 | Low | 20.21 | PASS |
| Band26 | 1.4MHz | 26915 | QPSK | 6 | 0 | Low | 17.88 | PASS |
| Band26 | 1.4MHz | 27033 | QPSK | 1 | 0 | High | 19.87 | PASS |
| Band26 | 1.4MHz | 27033 | QPSK | 1 | 5 | High | 19.79 | PASS |
| Band26 | 1.4MHz | 27033 | QPSK | 6 | 0 | High | 18.01 | PASS |
| Band26 | 1.4MHz | 26797 | 16QAM | 1 | 0 | Low | 19.28 | PASS |
| Band26 | 1.4MHz | 26797 | 16QAM | 1 | 5 | Low | 18.98 | PASS |
| Band26 | 1.4MHz | 26797 | 16QAM | 6 | 0 | Low | 17.87 | PASS |
| Band26 | 1.4MHz | 26915 | 16QAM | 1 | 0 | Low | 19.04 | PASS |
| Band26 | 1.4MHz | 26915 | 16QAM | 1 | 5 | Low | 19.07 | PASS |
| Band26 | 1.4MHz | 26915 | 16QAM | 6 | 0 | Low | 17.67 | PASS |
| Band26 | 1.4MHz | 27033 | 16QAM | 1 | 0 | High | 19.14 | PASS |
| Band26 | 1.4MHz | 27033 | 16QAM | 1 | 5 | High | 19.21 | PASS |
| Band26 | 1.4MHz | 27033 | 16QAM | 6 | 0 | High | 17.83 | PASS |
| Band26 | 3MHz | 26805 | QPSK | 1 | 0 | Low | 20.25 | PASS |
| Band26 | 3MHz | 26805 | QPSK | 1 | 5 | Low | 20.32 | PASS |
| Band26 | 3MHz | 26805 | QPSK | 6 | 0 | Low | 18.40 | PASS |
| Band26 | 3MHz | 26915 | QPSK | 1 | 0 | Low | 20.28 | PASS |
| Band26 | 3MHz | 26915 | QPSK | 1 | 5 | Low | 20.41 | PASS |
| Band26 | 3MHz | 26915 | QPSK | 6 | 0 | Low | 18.03 | PASS |
| Band26 | 3MHz | 27025 | QPSK | 1 | 0 | High | 20.09 | PASS |
| Band26 | 3MHz | 27025 | QPSK | 1 | 5 | High | 20.20 | PASS |
| Band26 | 3MHz | 27025 | QPSK | 6 | 0 | High | 18.23 | PASS |
| Band26 | 3MHz | 26805 | 16QAM | 1 | 0 | Low | 19.46 | PASS |
| Band26 | 3MHz | 26805 | 16QAM | 1 | 5 | Low | 19.44 | PASS |
| Band26 | 3MHz | 26805 | 16QAM | 6 | 0 | Low | 18.30 | PASS |
| Band26 | 3MHz | 26915 | 16QAM | 1 | 0 | Low | 19.29 | PASS |
| Band26 | 3MHz | 26915 | 16QAM | 1 | 5 | Low | 19.20 | PASS |
| Band26 | 3MHz | 26915 | 16QAM | 6 | 0 | Low | 17.91 | PASS |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Band26 | 3MHz | 27025 | 16QAM | 1 | 0 | High | 19.25 | PASS |
| Band26 | 3MHz | 27025 | 16QAM | 1 | 5 | High | 19.35 | PASS |
| Band26 | 3MHz | 27025 | 16QAM | 6 | 0 | High | 18.02 | PASS |
| Band26 | 5MHz | 26815 | QPSK | 1 | 0 | Low | 20.68 | PASS |
| Band26 | 5MHz | 26815 | QPSK | 1 | 5 | Low | 20.51 | PASS |
| Band26 | 5MHz | 26815 | QPSK | 6 | 0 | Low | 19.40 | PASS |
| Band26 | 5MHz | 26915 | QPSK | 1 | 0 | Low | 20.45 | PASS |
| Band26 | 5MHz | 26915 | QPSK | 1 | 5 | Low | 20.42 | PASS |
| Band26 | 5MHz | 26915 | QPSK | 6 | 0 | Low | 19.18 | PASS |
| Band26 | 5MHz | 27015 | QPSK | 1 | 0 | High | 20.38 | PASS |
| Band26 | 5MHz | 27015 | QPSK | 1 | 5 | High | 20.46 | PASS |
| Band26 | 5MHz | 27015 | QPSK | 6 | 0 | High | 19.36 | PASS |
| Band26 | 5MHz | 26815 | 16QAM | 1 | 0 | Low | 20.96 | PASS |
| Band26 | 5MHz | 26815 | 16QAM | 1 | 5 | Low | 20.77 | PASS |
| Band26 | 5MHz | 26815 | 16QAM | 6 | 0 | Low | 19.17 | PASS |
| Band26 | 5MHz | 26915 | 16QAM | 1 | 0 | Low | 20.52 | PASS |
| Band26 | 5MHz | 26915 | 16QAM | 1 | 5 | Low | 20.39 | PASS |
| Band26 | 5MHz | 26915 | 16QAM | 6 | 0 | Low | 18.96 | PASS |
| Band26 | 5MHz | 27015 | 16QAM | 1 | 0 | High | 20.73 | PASS |
| Band26 | 5MHz | 27015 | 16QAM | 1 | 5 | High | 20.65 | PASS |
| Band26 | 5MHz | 27015 | 16QAM | 6 | 0 | High | 19.15 | PASS |
| Band26 | 10MHz | 26840 | QPSK | 1 | 0 | Low | 20.65 | PASS |
| Band26 | 10MHz | 26840 | QPSK | 1 | 5 | Low | 20.59 | PASS |
| Band26 | 10MHz | 26840 | QPSK | 6 | 0 | Low | 19.37 | PASS |
| Band26 | 10MHz | 26915 | QPSK | 1 | 0 | Low | 20.47 | PASS |
| Band26 | 10MHz | 26915 | QPSK | 1 | 5 | Low | 20.44 | PASS |
| Band26 | 10MHz | 26915 | QPSK | 6 | 0 | Low | 19.18 | PASS |
| Band26 | 10MHz | 26990 | QPSK | 1 | 0 | High | 20.35 | PASS |
| Band26 | 10MHz | 26990 | QPSK | 1 | 5 | High | 20.48 | PASS |
| Band26 | 10MHz | 26990 | QPSK | 6 | 0 | High | 19.37 | PASS |
| Band26 | 10MHz | 26840 | 16QAM | 1 | 0 | Low | 20.88 | PASS |
| Band26 | 10MHz | 26840 | 16QAM | 1 | 5 | Low | 20.88 | PASS |
| Band26 | 10MHz | 26840 | 16QAM | 6 | 0 | Low | 19.19 | PASS |
| Band26 | 10MHz | 26915 | 16QAM | 1 | 0 | Low | 20.56 | PASS |
| Band26 | 10MHz | 26915 | 16QAM | 1 | 5 | Low | 20.42 | PASS |
| Band26 | 10MHz | 26915 | 16QAM | 6 | 0 | Low | 18.98 | PASS |
| Band26 | 10MHz | 26990 | 16QAM | 1 | 0 | High | 20.77 | PASS |
| Band26 | 10MHz | 26990 | 16QAM | 1 | 5 | High | 20.65 | PASS |
| Band26 | 10MHz | 26990 | 16QAM | 6 | 0 | High | 19.07 | PASS |
| Band26 | 15MHz | 26865 | QPSK | 1 | 0 | Low | 20.60 | PASS |
| Band26 | 15MHz | 26865 | QPSK | 1 | 5 | Low | 20.54 | PASS |

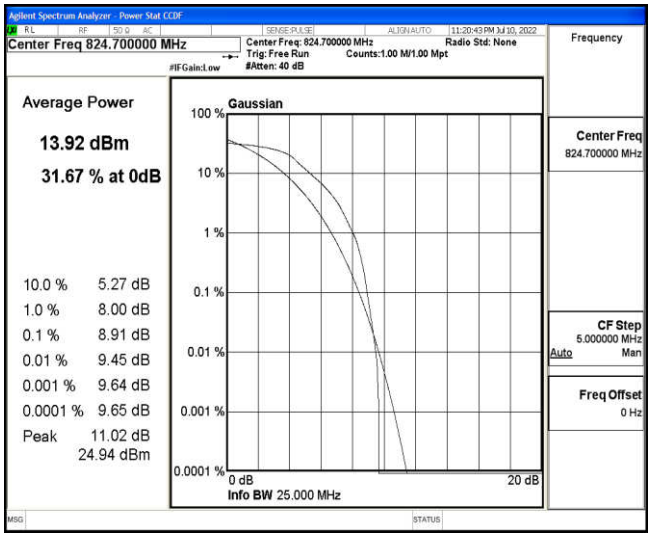
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Band26 | 15MHz | 26865 | QPSK | 6 | 0 | Low | 20.38 | PASS |
| Band26 | 15MHz | 26915 | QPSK | 1 | 0 | Low | 20.38 | PASS |
| Band26 | 15MHz | 26915 | QPSK | 1 | 5 | Low | 20.48 | PASS |
| Band26 | 15MHz | 26915 | QPSK | 6 | 0 | Low | 20.37 | PASS |
| Band26 | 15MHz | 26965 | QPSK | 1 | 0 | High | 20.25 | PASS |
| Band26 | 15MHz | 26965 | QPSK | 1 | 5 | High | 20.43 | PASS |
| Band26 | 15MHz | 26965 | QPSK | 6 | 0 | High | 20.39 | PASS |
| Band26 | 15MHz | 26865 | 16QAM | 1 | 0 | Low | 20.75 | PASS |
| Band26 | 15MHz | 26865 | 16QAM | 1 | 5 | Low | 20.66 | PASS |
| Band26 | 15MHz | 26865 | 16QAM | 6 | 0 | Low | 20.29 | PASS |
| Band26 | 15MHz | 26915 | 16QAM | 1 | 0 | Low | 20.51 | PASS |
| Band26 | 15MHz | 26915 | 16QAM | 1 | 5 | Low | 20.53 | PASS |
| Band26 | 15MHz | 26915 | 16QAM | 6 | 0 | Low | 20.24 | PASS |
| Band26 | 15MHz | 26965 | 16QAM | 1 | 0 | High | 20.71 | PASS |
| Band26 | 15MHz | 26965 | 16QAM | 1 | 5 | High | 20.62 | PASS |
| Band26 | 15MHz | 26965 | 16QAM | 6 | 0 | High | 20.23 | PASS |

# M.2 Peak-to-Average Ratio(CCDF) for M1

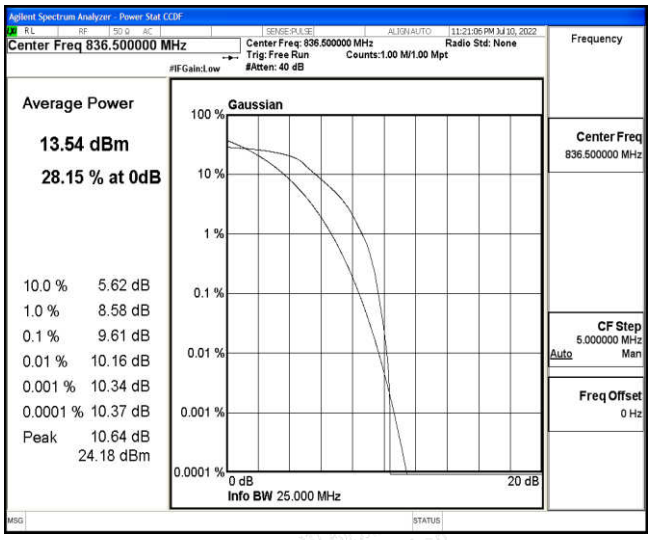
## Test Result

| Band | Bandwidth | Modulation | Channel | RB Size | RB Start | NBIndex | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| Band26 | 1.4MHz | 26797 | QPSK | 6 | 0 | Low | 8.91 | <=13 | PASS |
| Band26 | 1.4MHz | 26915 | QPSK | 6 | 0 | Low | 9.61 | <=13 | PASS |
| Band26 | 1.4MHz | 27033 | QPSK | 6 | 0 | High | 10.77 | <=13 | PASS |
| Band26 | 1.4MHz | 26797 | 16QAM | 6 | 0 | Low | 11.08 | <=13 | PASS |
| Band26 | 1.4MHz | 26915 | 16QAM | 6 | 0 | Low | 10.26 | <=13 | PASS |
| Band26 | 1.4MHz | 27033 | 16QAM | 6 | 0 | High | 10.39 | <=13 | PASS |
| Band26 | 3MHz | 26805 | QPSK | 6 | 0 | Low | 12.62 | <=13 | PASS |
| Band26 | 3MHz | 26915 | QPSK | 6 | 0 | Low | 9.12 | <=13 | PASS |
| Band26 | 3MHz | 27025 | QPSK | 6 | 0 | High | 9.44 | <=13 | PASS |
| Band26 | 3MHz | 26805 | 16QAM | 6 | 0 | Low | 9.99 | <=13 | PASS |
| Band26 | 3MHz | 26915 | 16QAM | 6 | 0 | Low | 10.15 | <=13 | PASS |
| Band26 | 3MHz | 27025 | 16QAM | 6 | 0 | High | 10.42 | <=13 | PASS |
| Band26 | 5MHz | 26815 | QPSK | 6 | 0 | Low | 9.62 | <=13 | PASS |
| Band26 | 5MHz | 26915 | QPSK | 6 | 0 | Low | 10.46 | <=13 | PASS |
| Band26 | 5MHz | 27015 | QPSK | 6 | 0 | High | 9.76 | <=13 | PASS |
| Band26 | 5MHz | 26815 | 16QAM | 6 | 0 | Low | 9.78 | <=13 | PASS |
| Band26 | 5MHz | 26915 | 16QAM | 6 | 0 | Low | 8.96 | <=13 | PASS |
| Band26 | 5MHz | 27015 | 16QAM | 6 | 0 | High | 10.02 | <=13 | PASS |
| Band26 | 10MHz | 26840 | QPSK | 6 | 0 | Low | 9.61 | <=13 | PASS |
| Band26 | 10MHz | 26915 | QPSK | 6 | 0 | Low | 10.03 | <=13 | PASS |
| Band26 | 10MHz | 26990 | QPSK | 6 | 0 | High | 10.07 | <=13 | PASS |
| Band26 | 10MHz | 26840 | 16QAM | 6 | 0 | Low | 10.80 | <=13 | PASS |
| Band26 | 10MHz | 26915 | 16QAM | 6 | 0 | Low | 9.88 | <=13 | PASS |
| Band26 | 10MHz | 26990 | 16QAM | 6 | 0 | High | 8.98 | <=13 | PASS |
| Band26 | 15MHz | 26865 | QPSK | 6 | 0 | Low | 8.42 | <=13 | PASS |
| Band26 | 15MHz | 26915 | QPSK | 6 | 0 | Low | 11.13 | <=13 | PASS |
| Band26 | 15MHz | 26965 | QPSK | 6 | 0 | High | 8.45 | <=13 | PASS |
| Band26 | 15MHz | 26865 | 16QAM | 6 | 0 | Low | 9.84 | <=13 | PASS |
| Band26 | 15MHz | 26915 | 16QAM | 6 | 0 | Low | 8.54 | <=13 | PASS |
| Band26 | 15MHz | 26965 | 16QAM | 6 | 0 | High | 9.75 | <=13 | PASS |

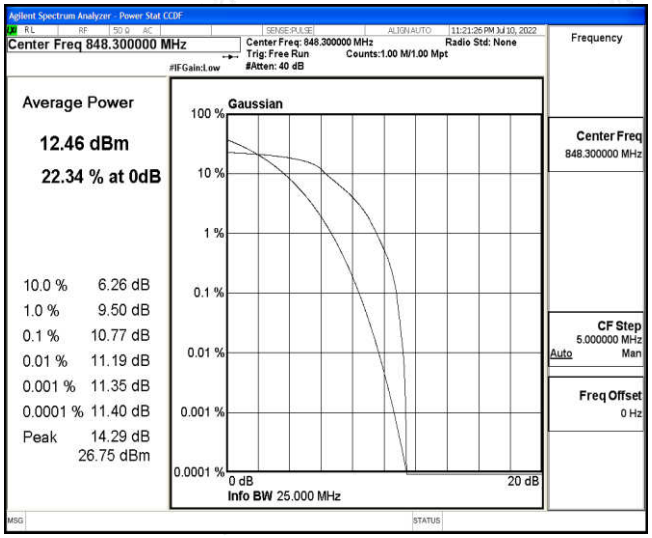
## Test Graphs



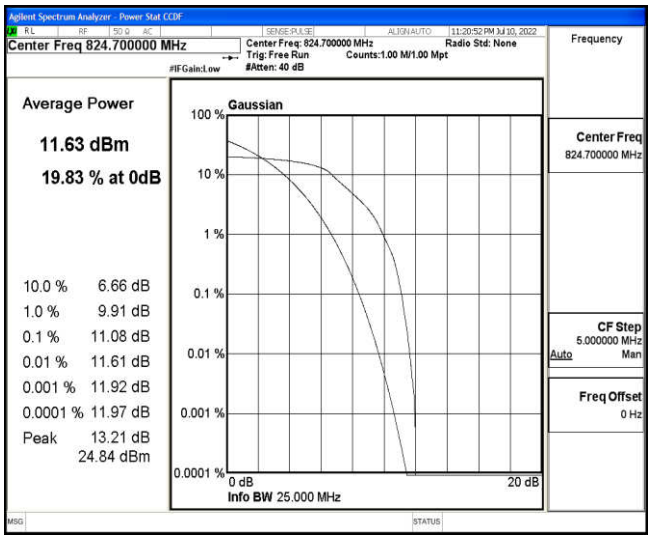

Band26-1.4MHz-QPSK-26797-6-0-Low-8.91-<=13-PASS



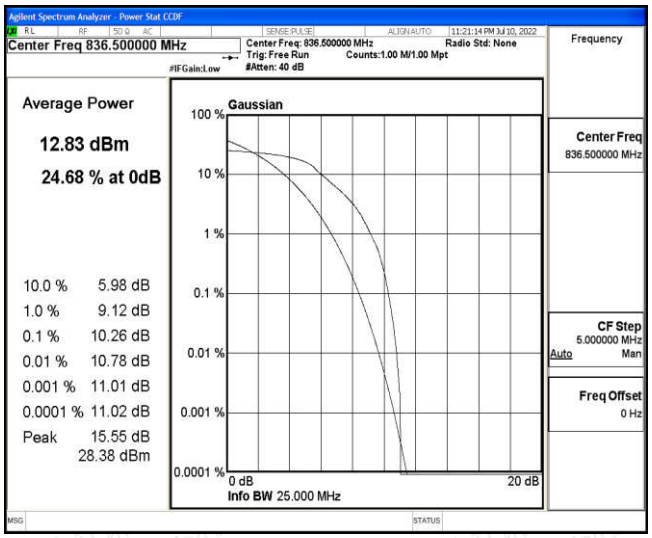

Band26-1.4MHz-QPSK-26915-6-0-Low-9.61-<=13-PASS



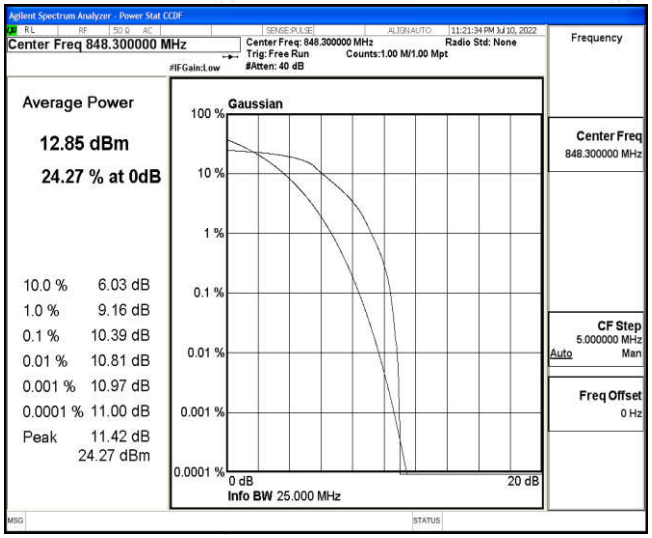

Band26-1.4MHz-QPSK-27033-6-0-High-10.77-<=13-PASS



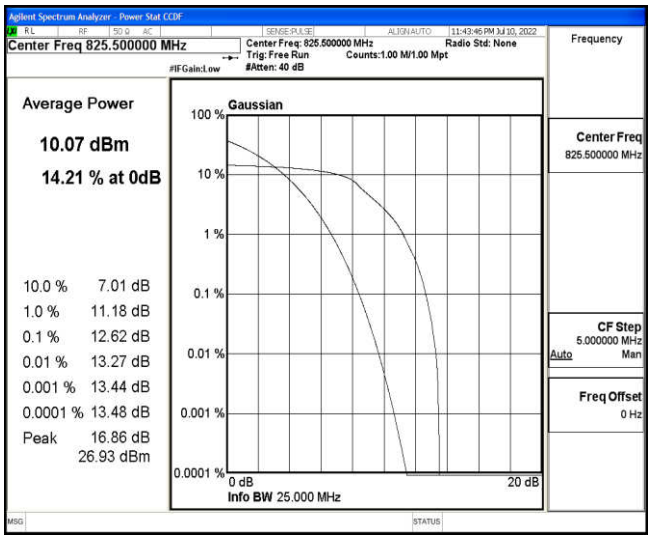

Band26-1.4MHz-16QAM-26797-6-0-Low-11.08-<=13-PASS



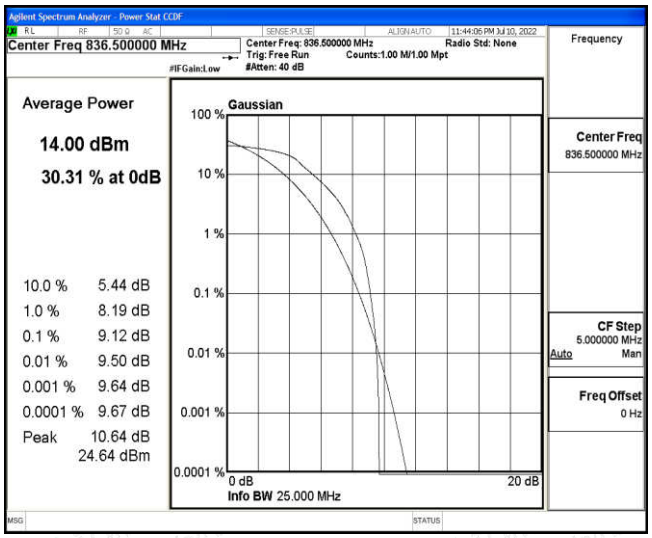

Band26-1.4MHz-16QAM-26915-6-0-Low-10.26-<=13-PASS



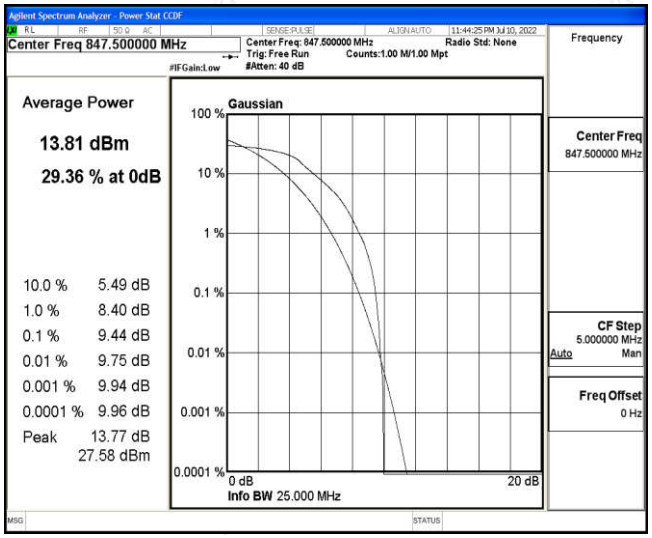

Band26-1.4MHz-16QAM-27033-6-0-High-10.39-<=13-PASS



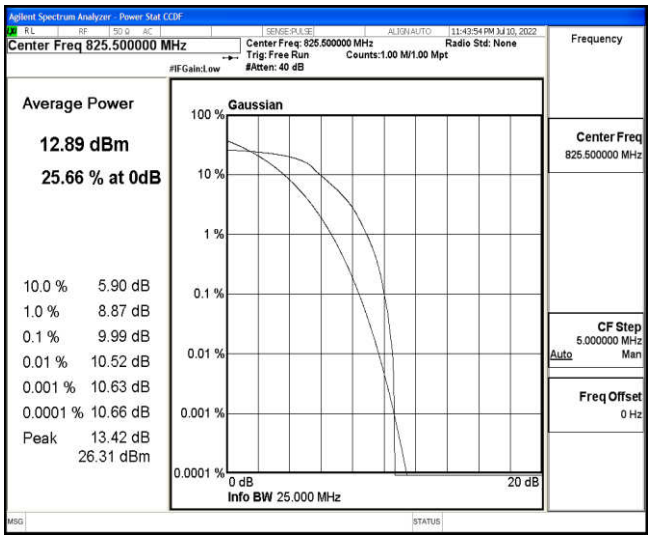

Band26-3MHz-QPSK-26805-6-0-Low-12.62-<=13-PASS



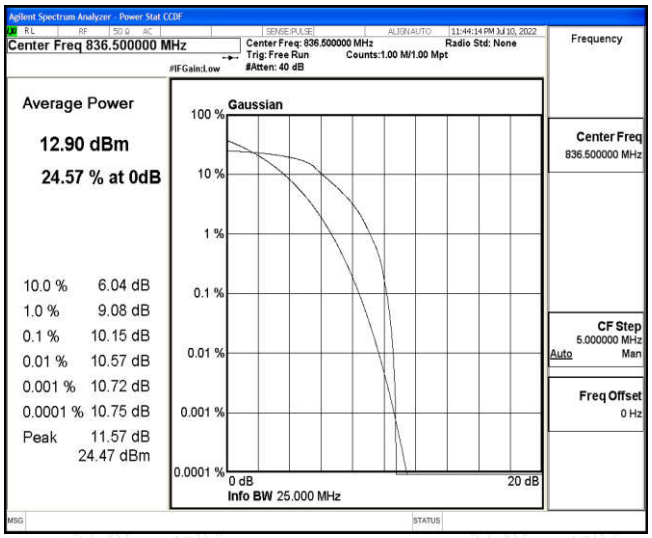

Band26-3MHz-QPSK-26915-6-0-Low-9.12-<=13-PASS



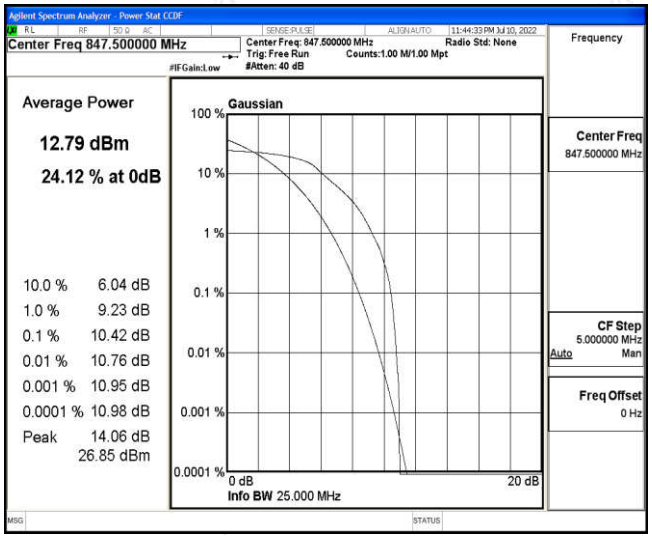

Band26-3MHz-QPSK-27025-6-0-High-9.44-<=13-PASS



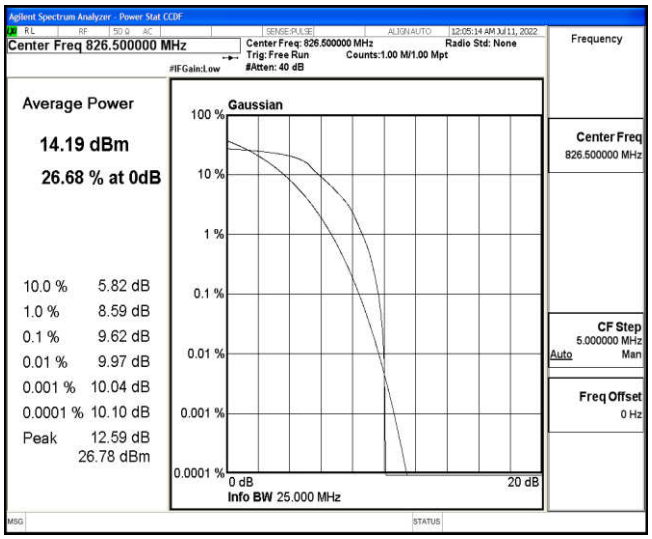

Band26-3MHz-16QAM-26805-6-0-Low-9.99-<=13-PASS



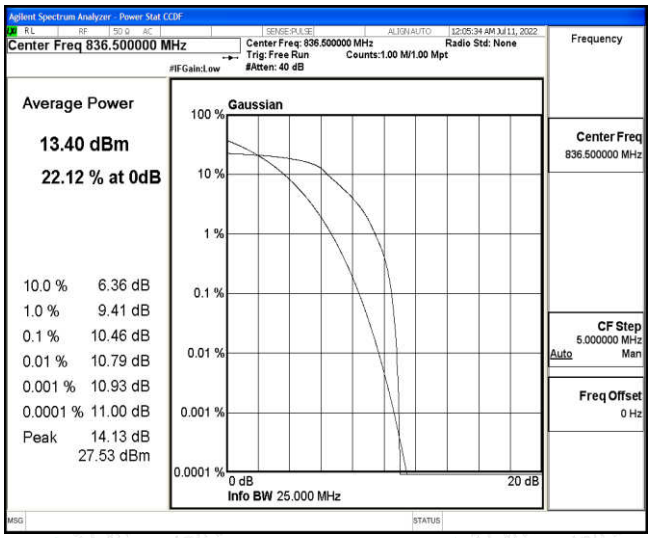

Band26-3MHz-16QAM-26915-6-0-Low-10.15-<=13-PASS



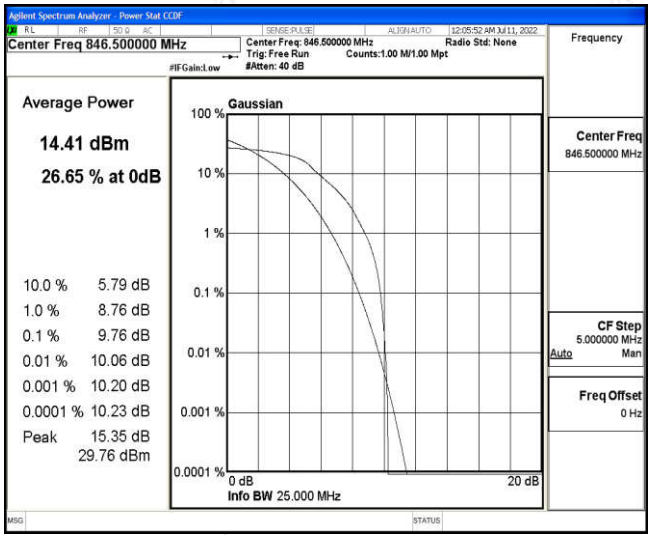

Band26-3MHz-16QAM-27025-6-0-High-10.42-<=13-PASS



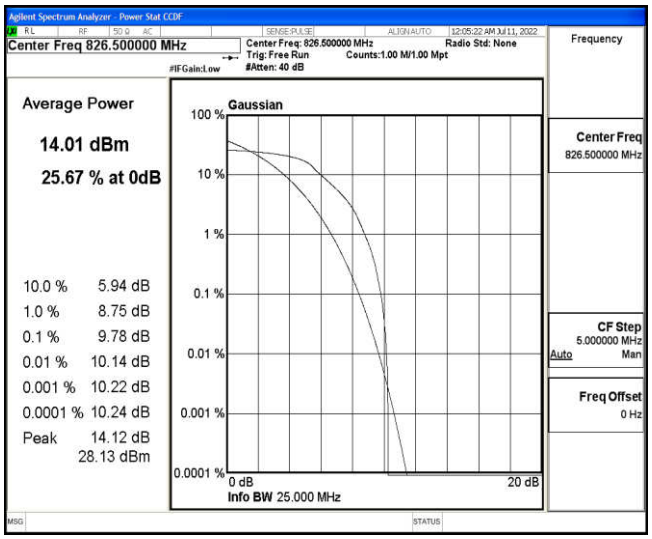

Band26-5MHz-QPSK-26815-6-0-Low-9.62-<=13-PASS



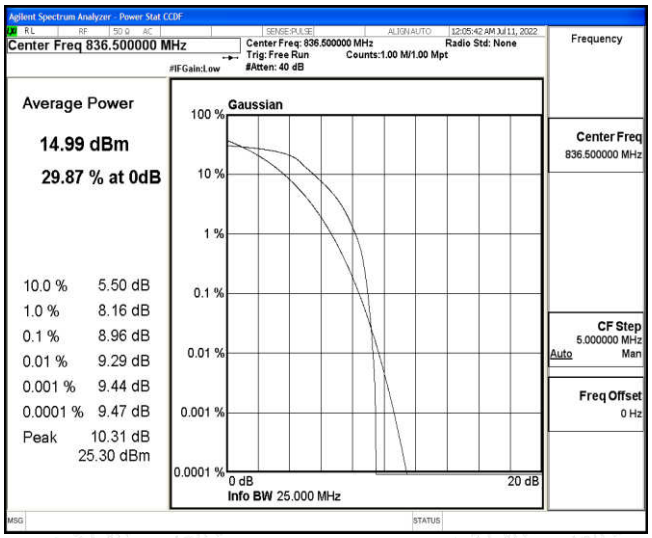

Band26-5MHz-QPSK-26915-6-0-Low-10.46-<=13-PASS



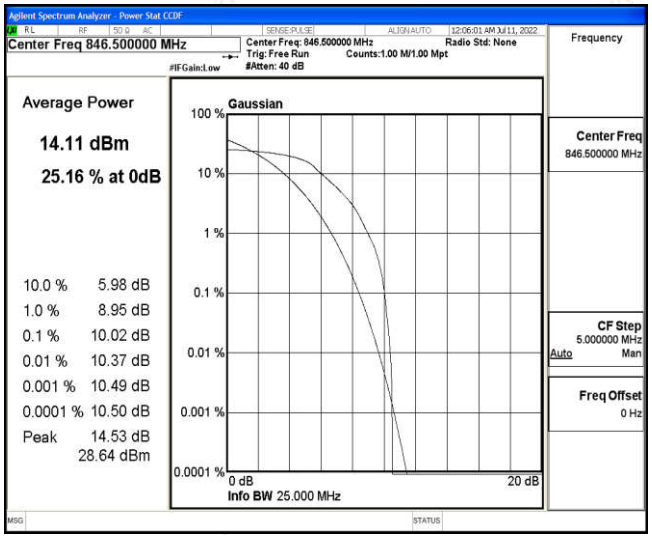

Band26-5MHz-QPSK-27015-6-0-High-9.76-<=13-PASS



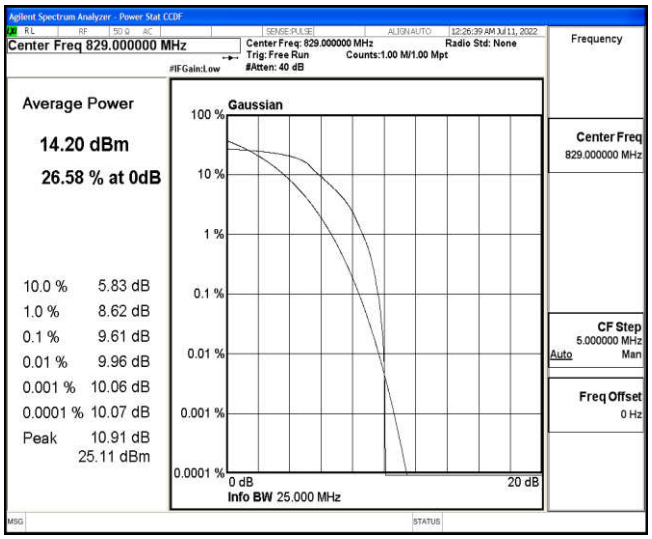

Band26-5MHz-16QAM-26815-6-0-Low-9.78-<=13-PASS



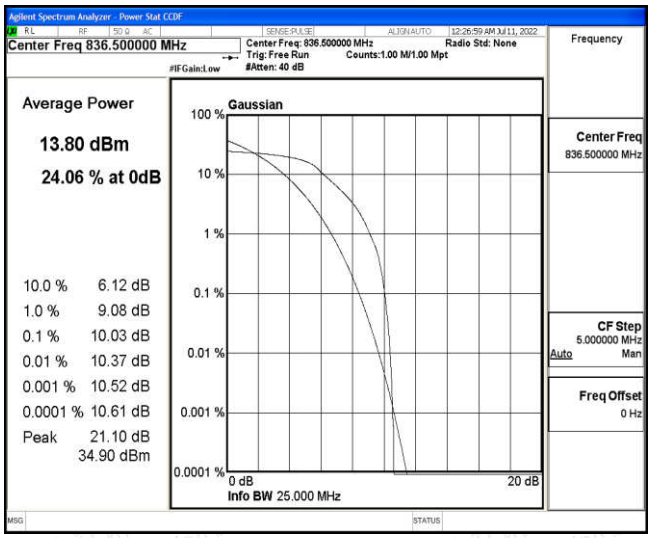

Band26-5MHz-16QAM-26915-6-0-Low-8.96-<=13-PASS



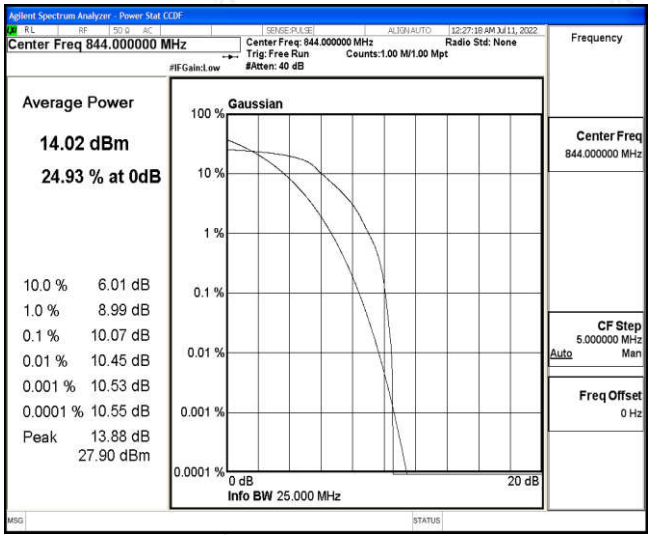

Band26-5MHz-16QAM-27015-6-0-High-10.02-<=13-PASS



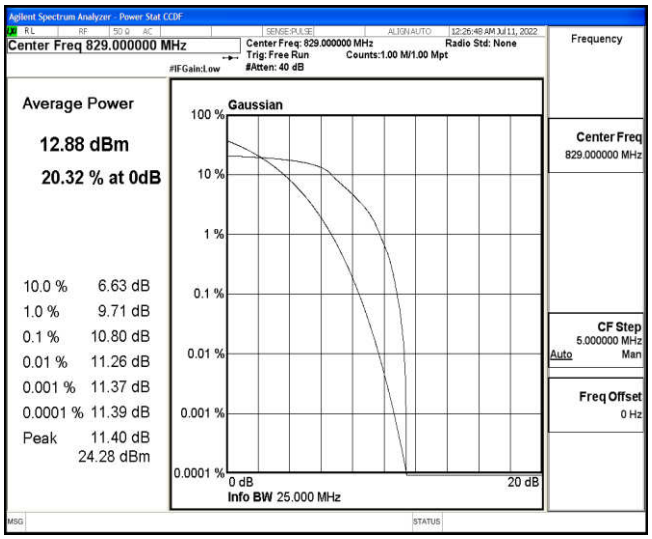

Band26-10MHz-QPSK-26840-6-0-Low-9.61-<=13-PASS



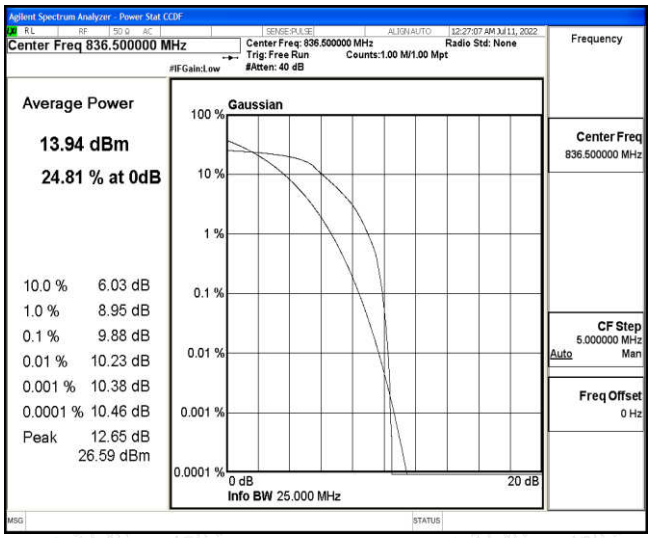

Band26-10MHz-QPSK-26915-6-0-Low-10.03-<=13-PASS



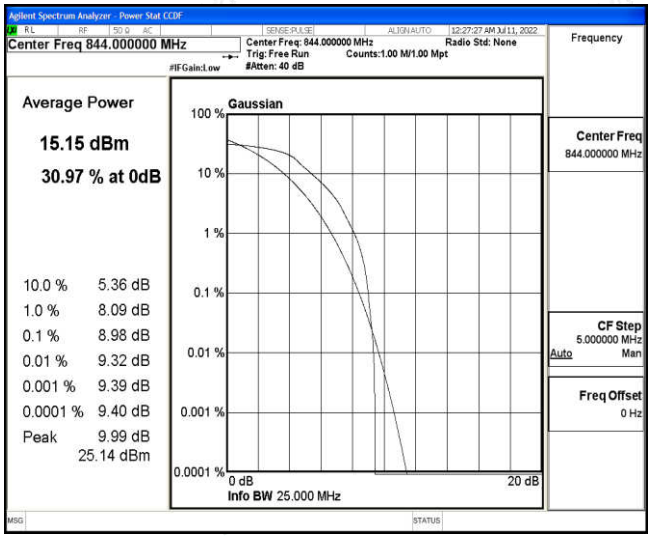

Band26-10MHz-QPSK-26990-6-0-High-10.07-<=13-PASS



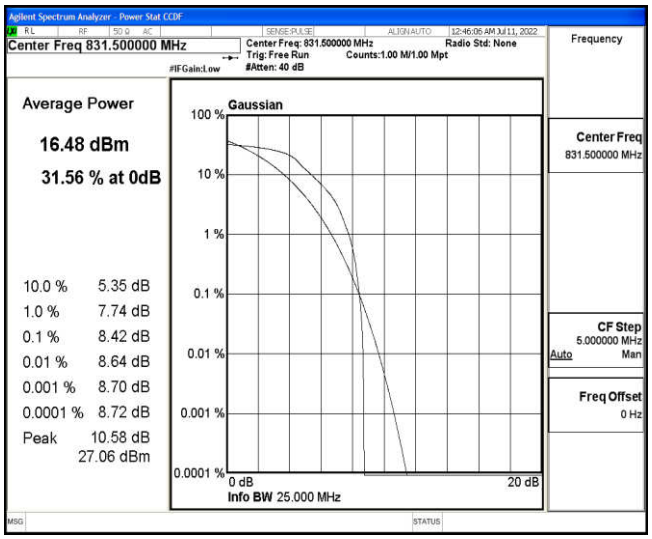

Band26-10MHz-16QAM-26840-6-0-Low-10.80-<=13-PASS



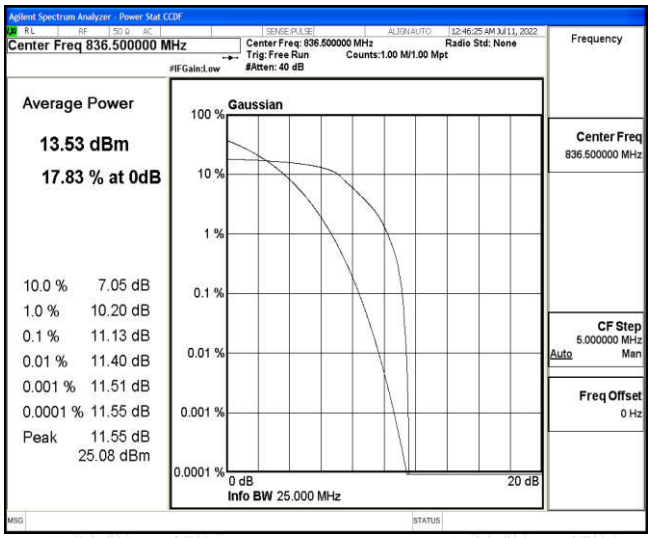

Band26-10MHz-16QAM-26915-6-0-Low-9.88-<=13-PASS



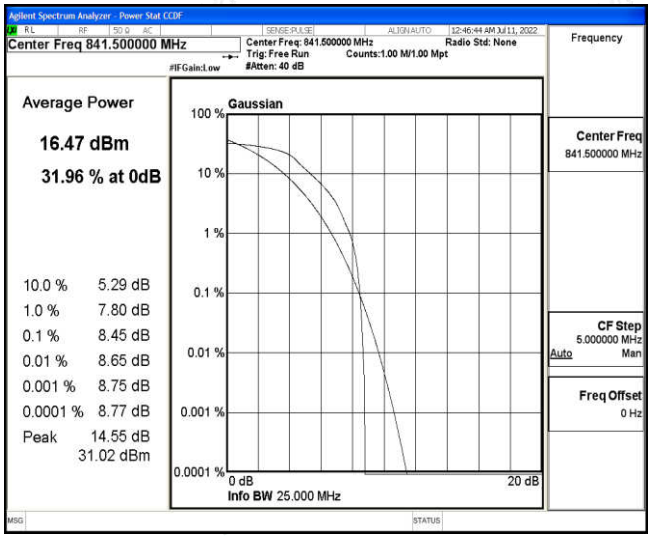

Band26-10MHz-16QAM-26990-6-0-High-8.98-<=13-PASS



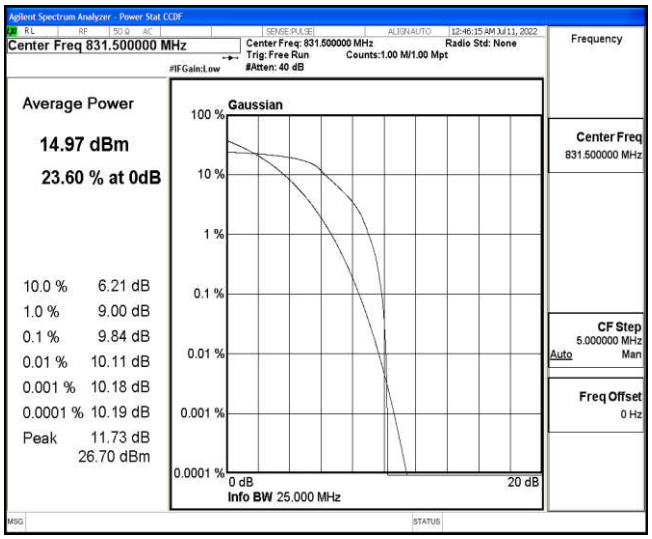

Band26-15MHz-QPSK-26865-6-0-Low-8.42-<=13-PASS



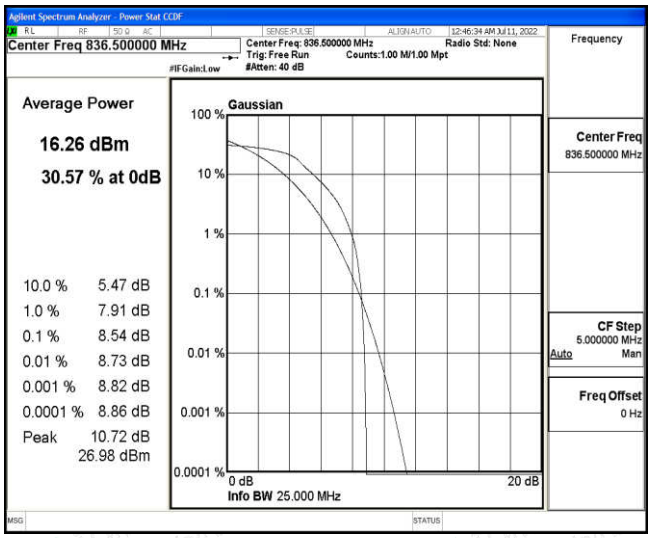

Band26-15MHz-QPSK-26915-6-0-Low-11.13-<=13-PASS



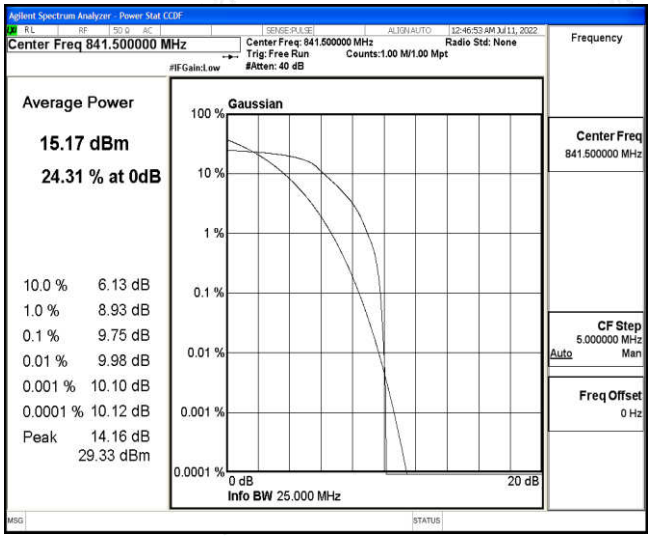

Band26-15MHz-QPSK-26965-6-0-High-8.45-<=13-PASS




Band26-15MHz-16QAM-26865-6-0-Low-9.84-<=13-PASS




Band26-15MHz-16QAM-26915-6-0-Low-8.54-<=13-PASS



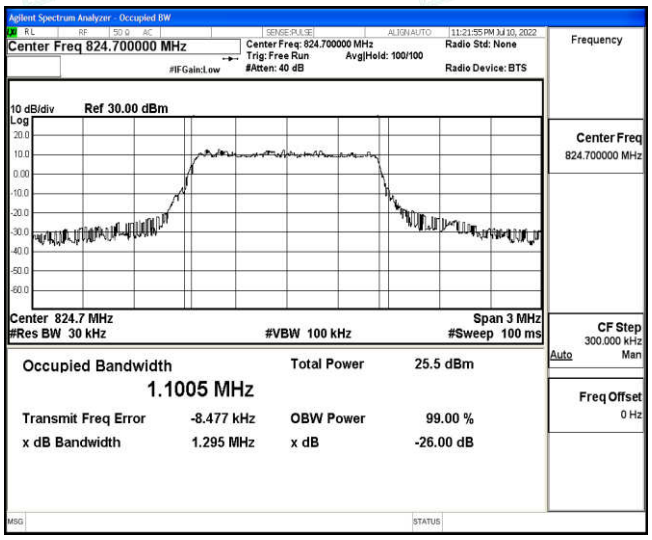

Band26-15MHz-16QAM-26965-6-0-High-9.75-<=13-PASS

# M.3 26dB Bandwidth and Occupied Bandwidth for M1

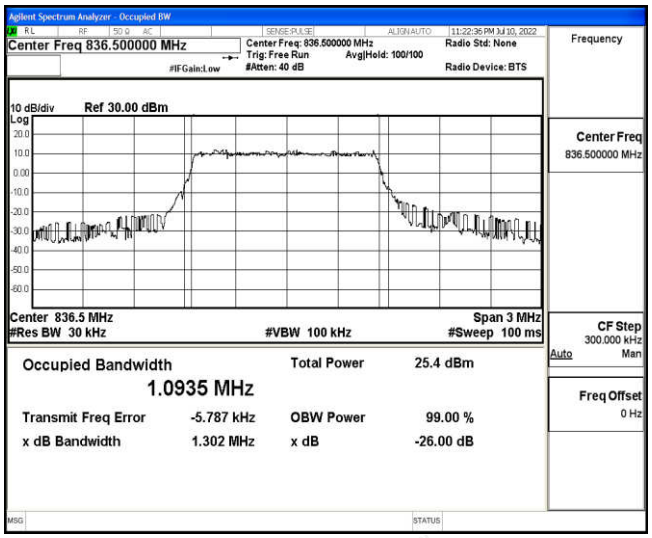
## Test Result

| Band | Bandwidth | Modulation | Channel | RB Size | RB Start | NB Index | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| Band26 | 1.4MHz | 26797 | QPSK | 6 | 0 | Low | 1.1005 | 1.295 | PASS |
| Band26 | 1.4MHz | 26915 | QPSK | 6 | 0 | Low | 1.0935 | 1.302 | PASS |
| Band26 | 1.4MHz | 27033 | QPSK | 6 | 0 | High | 1.0959 | 1.296 | PASS |
| Band26 | 1.4MHz | 26797 | 16QAM | 6 | 0 | Low | 1.0970 | 1.292 | PASS |
| Band26 | 1.4MHz | 26915 | 16QAM | 6 | 0 | Low | 1.0942 | 1.295 | PASS |
| Band26 | 1.4MHz | 27033 | 16QAM | 6 | 0 | High | 1.0975 | 1.279 | PASS |
| Band26 | 3MHz | 26805 | QPSK | 6 | 0 | Low | 1.1137 | 1.349 | PASS |
| Band26 | 3MHz | 26915 | QPSK | 6 | 0 | Low | 1.1123 | 1.321 | PASS |
| Band26 | 3MHz | 27025 | QPSK | 6 | 0 | High | 1.1103 | 1.307 | PASS |
| Band26 | 3MHz | 26805 | 16QAM | 6 | 0 | Low | 1.1047 | 1.379 | PASS |
| Band26 | 3MHz | 26915 | 16QAM | 6 | 0 | Low | 1.1221 | 1.316 | PASS |
| Band26 | 3MHz | 27025 | 16QAM | 6 | 0 | High | 1.1132 | 1.292 | PASS |
| Band26 | 5MHz | 26815 | QPSK | 6 | 0 | Low | 1.1794 | 1.458 | PASS |
| Band26 | 5MHz | 26915 | QPSK | 6 | 0 | Low | 1.1663 | 1.543 | PASS |
| Band26 | 5MHz | 27015 | QPSK | 6 | 0 | High | 1.1797 | 1.416 | PASS |
| Band26 | 5MHz | 26815 | 16QAM | 6 | 0 | Low | 1.1856 | 1.616 | PASS |
| Band26 | 5MHz | 26915 | 16QAM | 6 | 0 | Low | 1.1662 | 1.541 | PASS |
| Band26 | 5MHz | 27015 | 16QAM | 6 | 0 | High | 1.1869 | 1.416 | PASS |
| Band26 | 10MHz | 26840 | QPSK | 6 | 0 | Low | 1.3422 | 2.068 | PASS |
| Band26 | 10MHz | 26915 | QPSK | 6 | 0 | Low | 1.3267 | 1.623 | PASS |
| Band26 | 10MHz | 26990 | QPSK | 6 | 0 | High | 1.3473 | 1.742 | PASS |
| Band26 | 10MHz | 26840 | 16QAM | 6 | 0 | Low | 1.3291 | 2.032 | PASS |
| Band26 | 10MHz | 26915 | 16QAM | 6 | 0 | Low | 1.3277 | 1.664 | PASS |
| Band26 | 10MHz | 26990 | 16QAM | 6 | 0 | High | 1.3317 | 1.628 | PASS |
| Band26 | 15MHz | 26865 | QPSK | 6 | 0 | Low | 1.5353 | 3.144 | PASS |
| Band26 | 15MHz | 26915 | QPSK | 6 | 0 | Low | 1.5083 | 2.664 | PASS |
| Band26 | 15MHz | 26965 | QPSK | 6 | 0 | High | 1.5173 | 2.293 | PASS |
| Band26 | 15MHz | 26865 | 16QAM | 6 | 0 | Low | 1.5557 | 3.008 | PASS |
| Band26 | 15MHz | 26915 | 16QAM | 6 | 0 | Low | 1.5152 | 2.435 | PASS |
| Band26 | 15MHz | 26965 | 16QAM | 6 | 0 | High | 1.5054 | 2.261 | PASS |

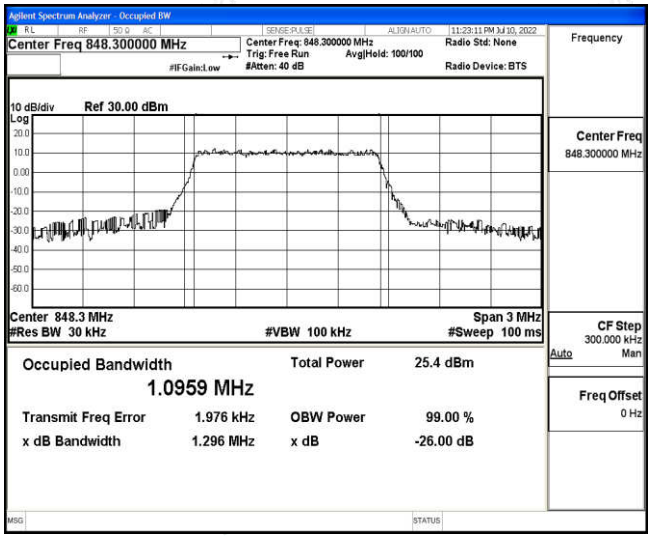
## Test Graphs



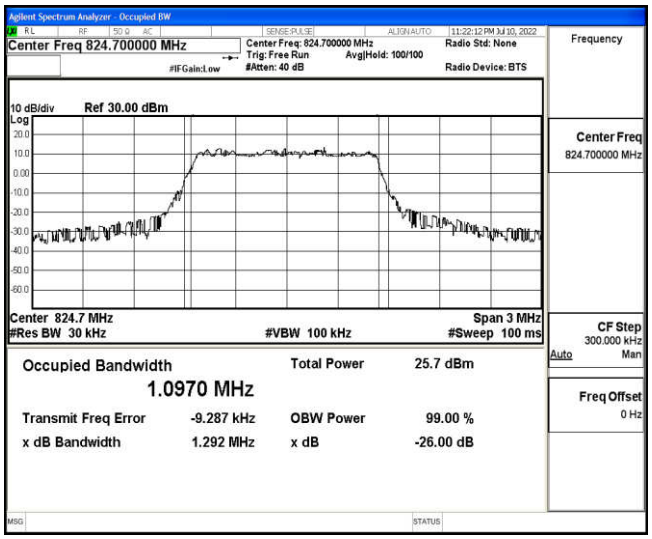

Band26-1.4MHz-QPSK-26797-6-0-Low-1.1005-1.295-PASS



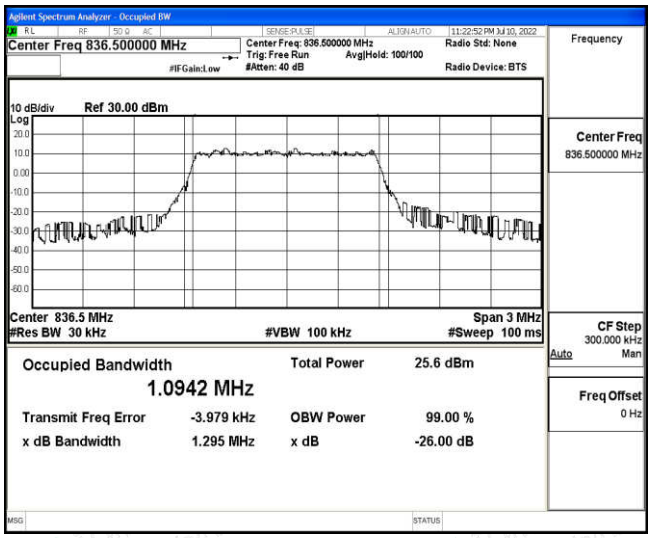

Band26-1.4MHz-QPSK-26915-6-0-Low-1.0935-1.302-PASS



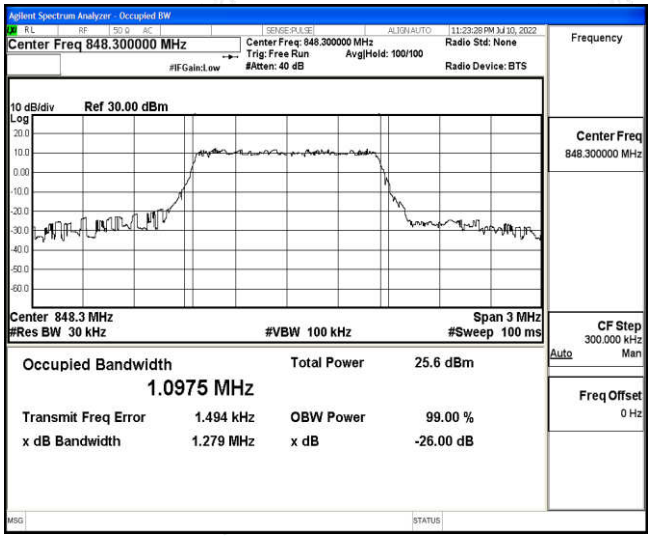

Band26-1.4MHz-QPSK-27033-6-0-High-1.0959-1.296-PASS



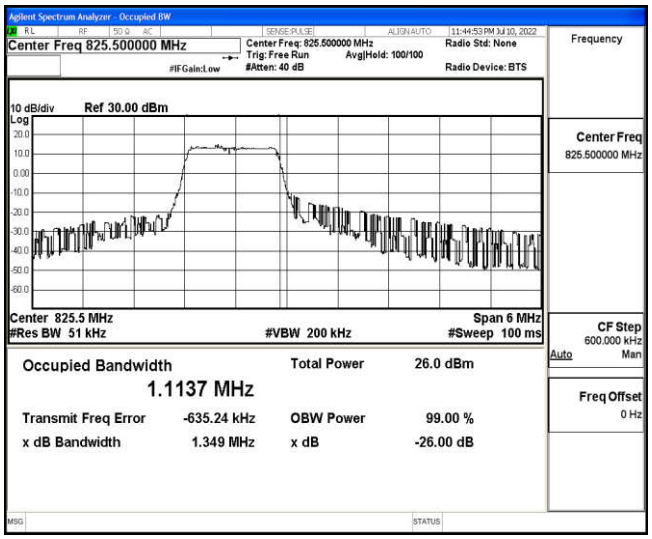

Band26-1.4MHz-16QAM-26797-6-0-Low-1.0970-1.292-PASS



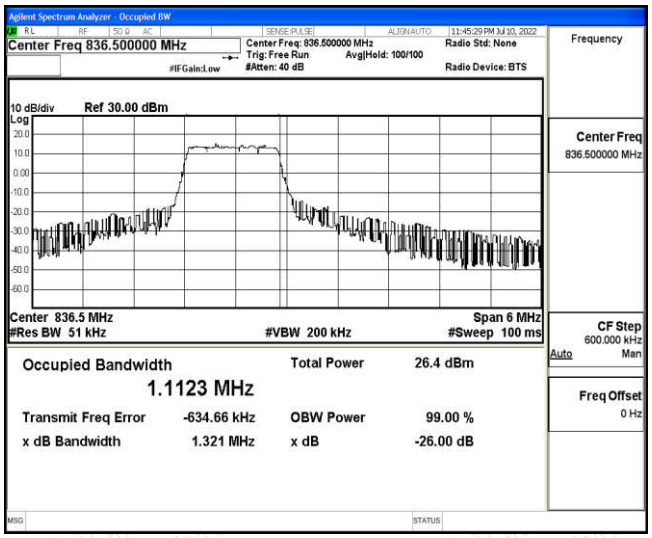

Band26-1.4MHz-16QAM-26915-6-0-Low-1.0942-1.295-PASS



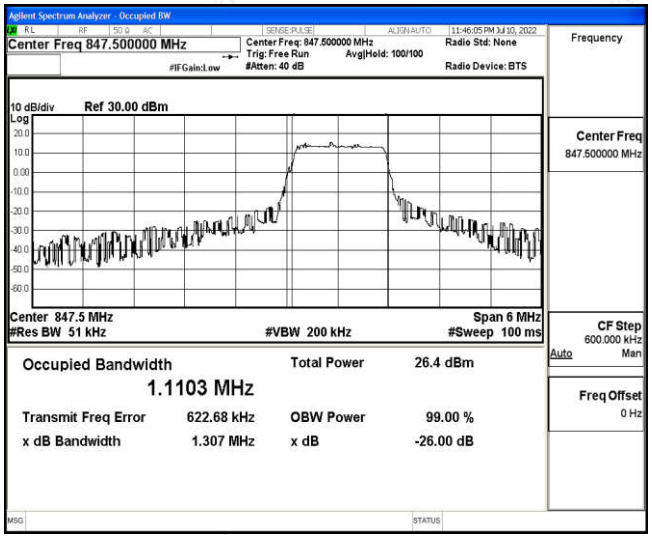

Band26-1.4MHz-16QAM-27033-6-0-High-1.0975-1.279-PASS



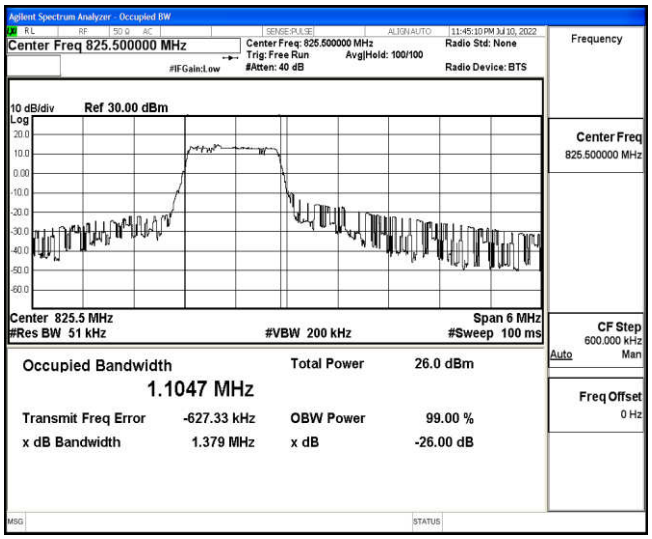

Band26-3MHz-QPSK-26805-6-0-Low-1.1137-1.349-PASS



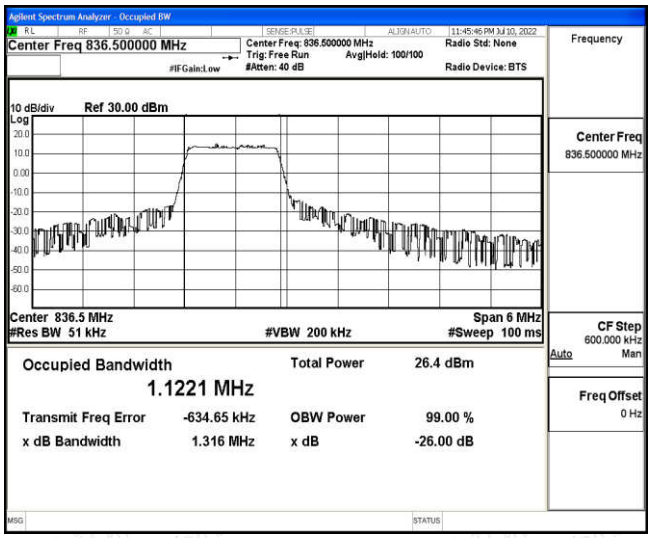

Band26-3MHz-QPSK-26915-6-0-Low-1.1123-1.321-PASS



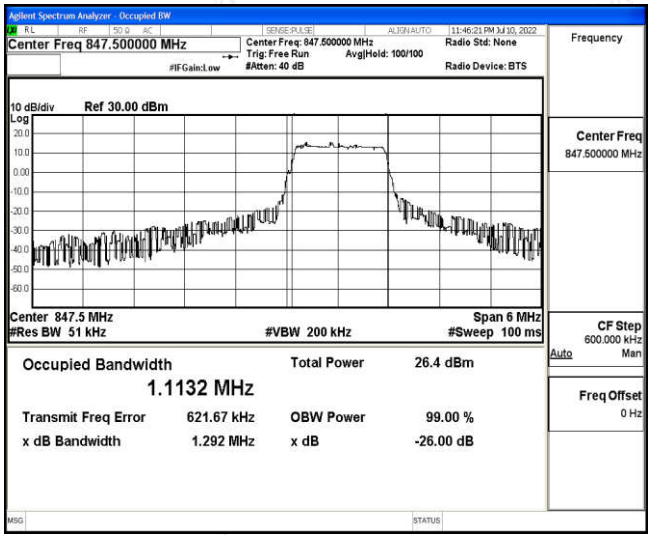

Band26-3MHz-QPSK-27025-6-0-High-1.1103-1.307-PASS



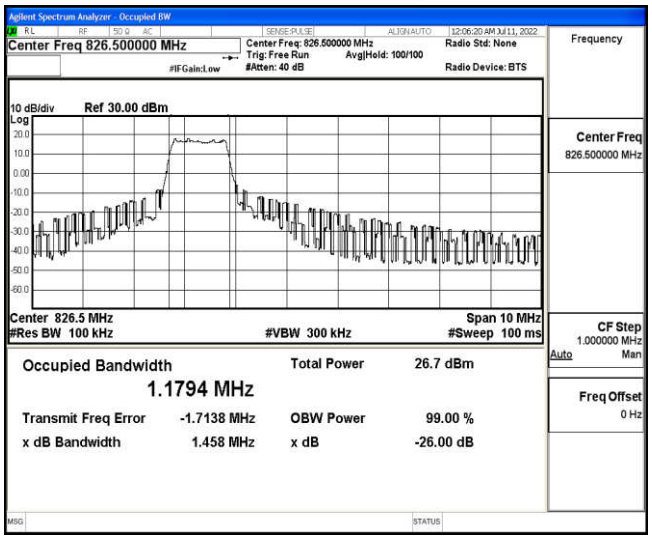

Band26-3MHz-16QAM-26805-6-0-Low-1.1047-1.379-PASS



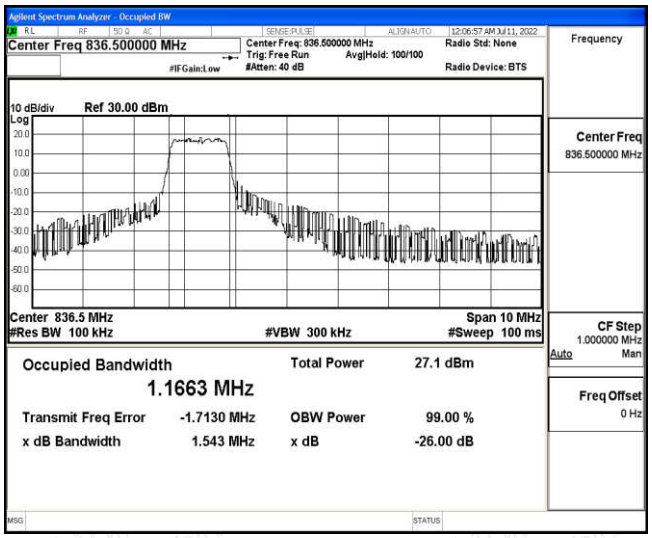

Band26-3MHz-16QAM-26915-6-0-Low-1.1221-1.316-PASS



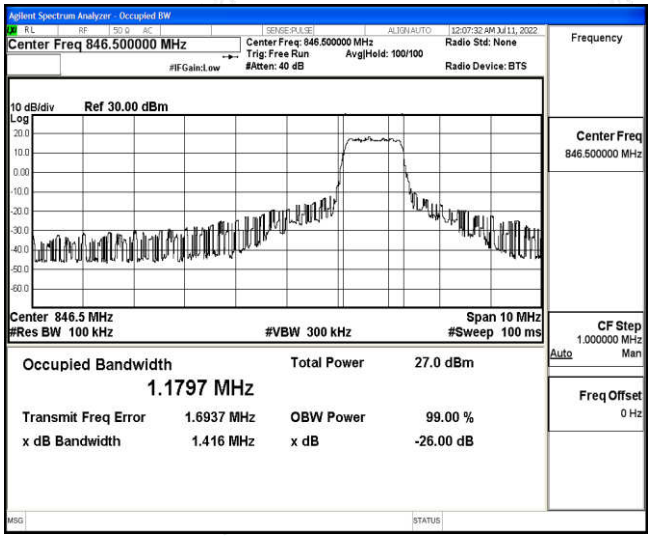

Band26-3MHz-16QAM-27025-6-0-High-1.1132-1.292-PASS



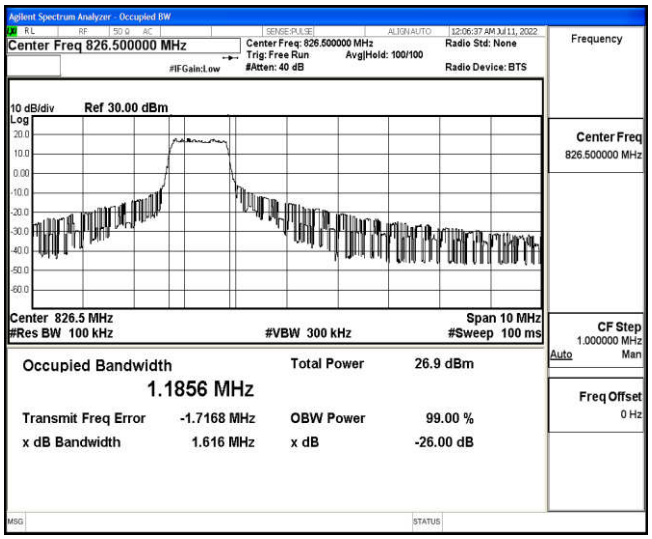

Band26-5MHz-QPSK-26815-6-0-Low-1.1794-1.458-PASS



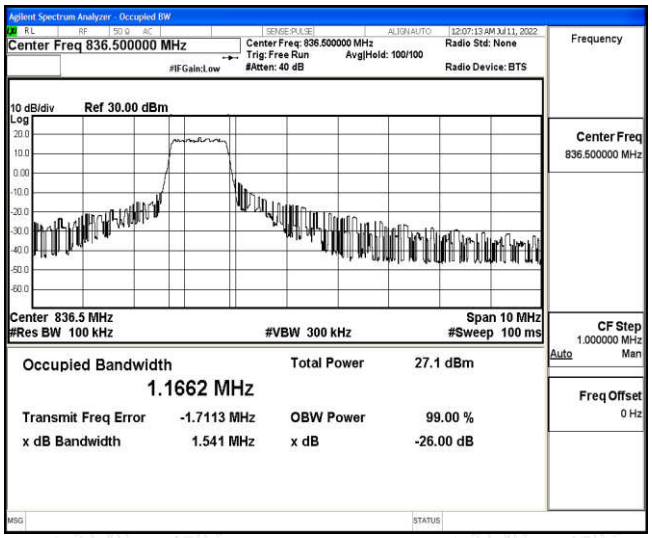

Band26-5MHz-QPSK-26915-6-0-Low-1.1663-1.543-PASS



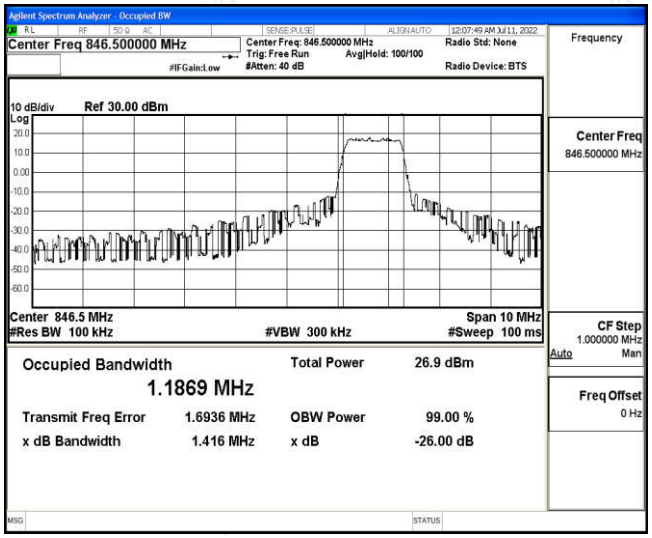

Band26-5MHz-QPSK-27015-6-0-High-1.1797-1.416-PASS



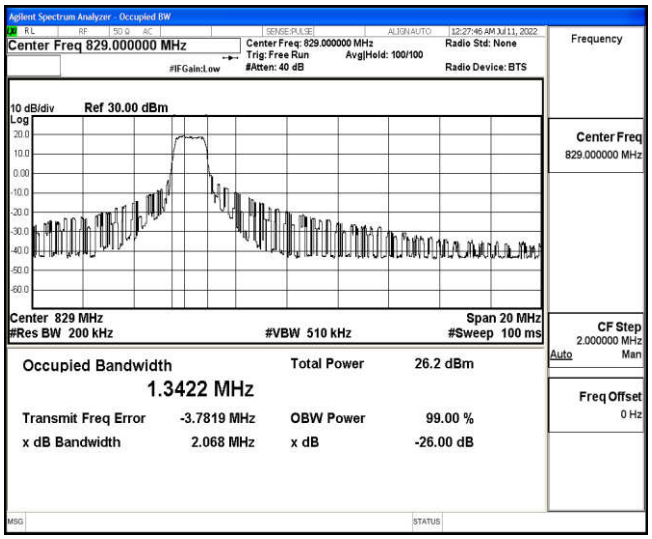

Band26-5MHz-16QAM-26815-6-0-Low-1.1856-1.616-PASS



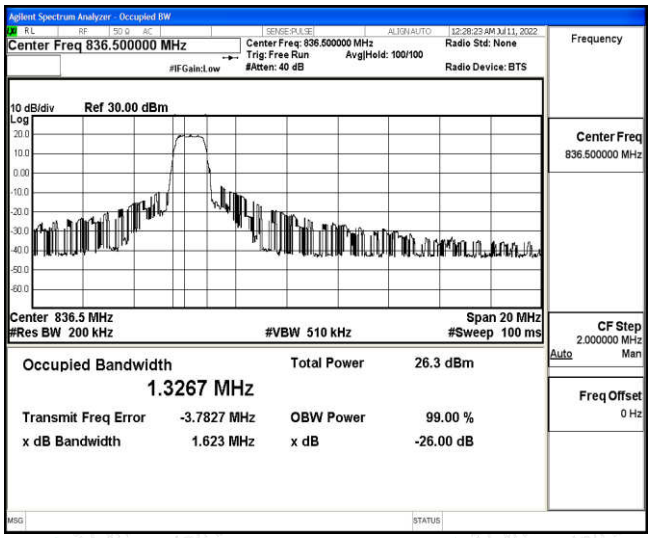

Band26-5MHz-16QAM-26915-6-0-Low-1.1662-1.541-PASS



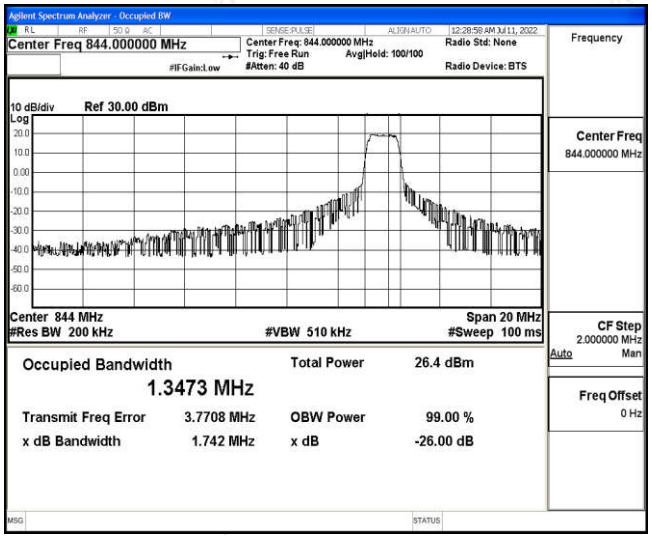

Band26-5MHz-16QAM-27015-6-0-High-1.1869-1.416-PASS



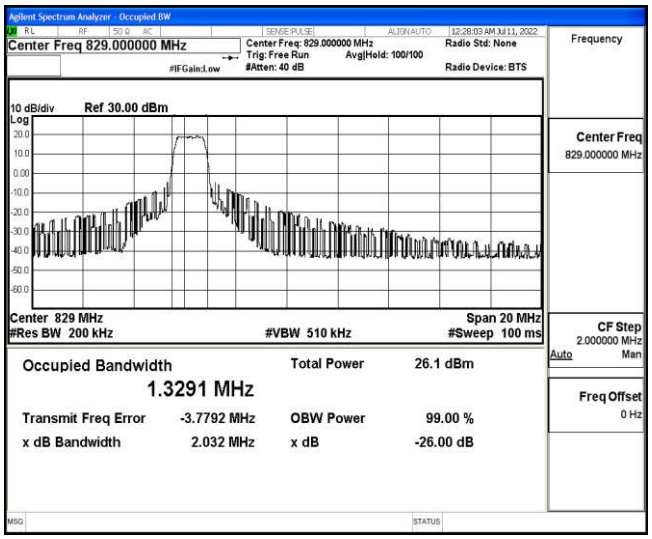

Band26-10MHz-QPSK-26840-6-0-Low-1.3422-2.068-PASS



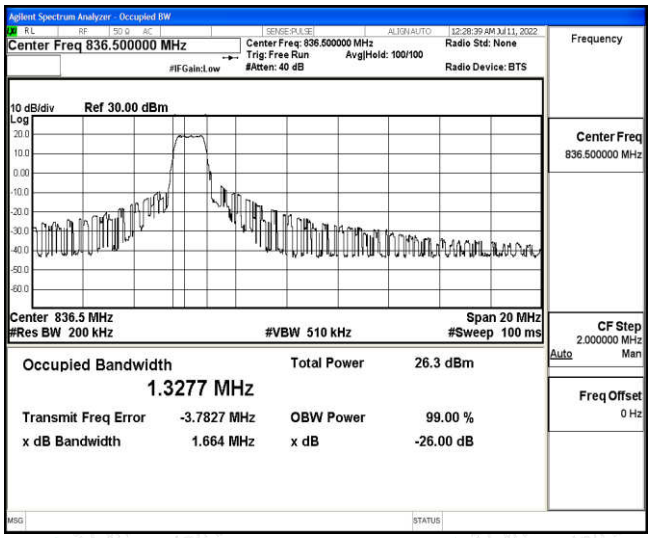

Band26-10MHz-QPSK-26915-6-0-Low-1.3267-1.623-PASS



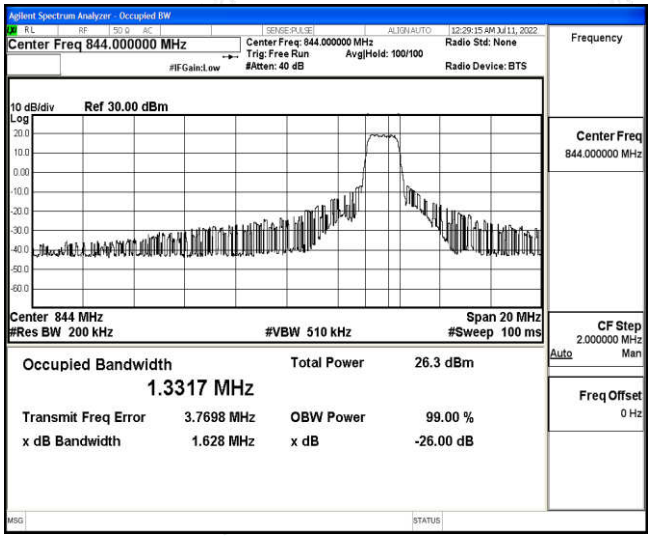

Band26-10MHz-QPSK-26990-6-0-High-1.3473-1.742-PASS



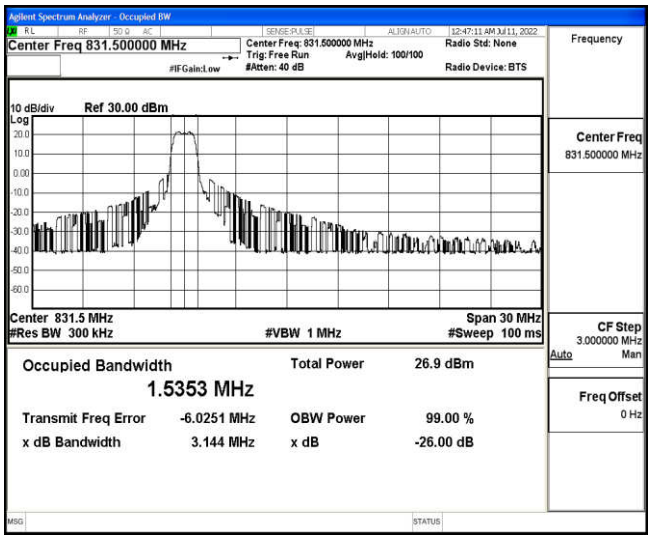

Band26-10MHz-16QAM-26840-6-0-Low-1.3291-2.032-PASS



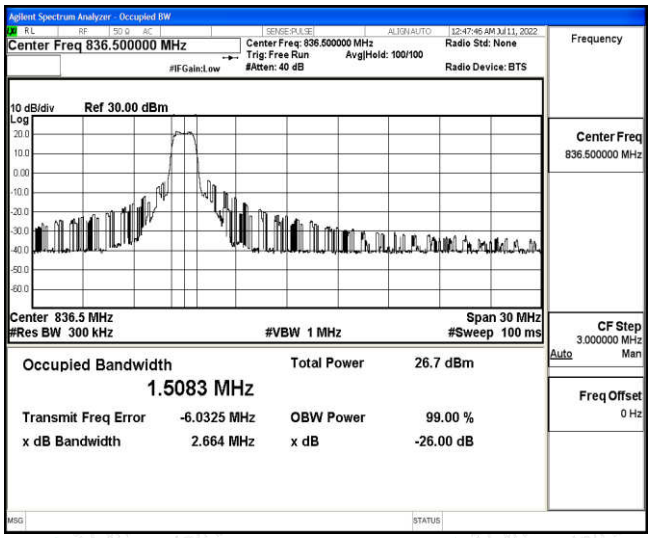

Band26-10MHz-16QAM-26915-6-0-Low-1.3277-1.664-PASS



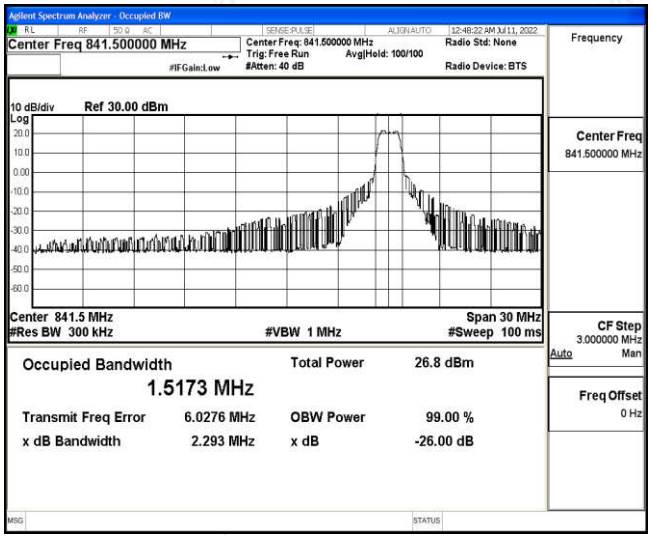

Band26-10MHz-16QAM-26990-6-0-High-1.3317-1.628-PASS



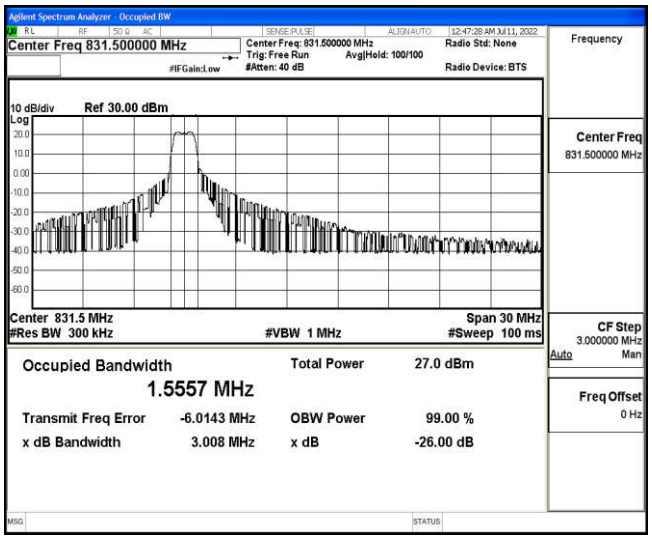

Band26-15MHz-QPSK-26865-6-0-Low-1.5353-3.144-PASS



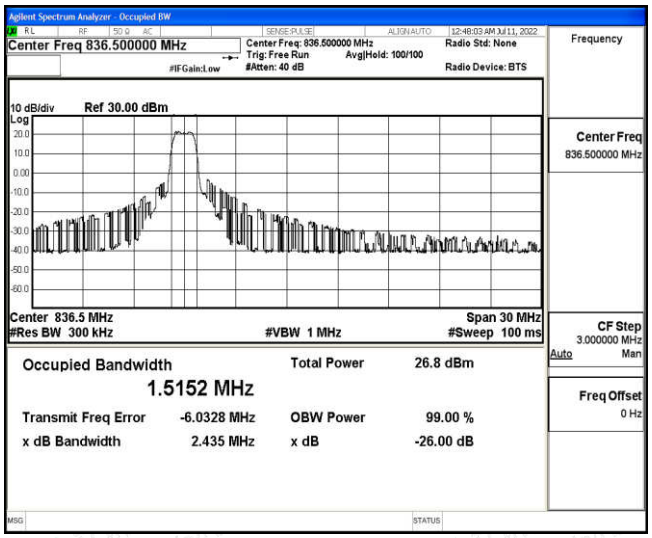

Band26-15MHz-QPSK-26915-6-0-Low-1.5083-2.664-PASS



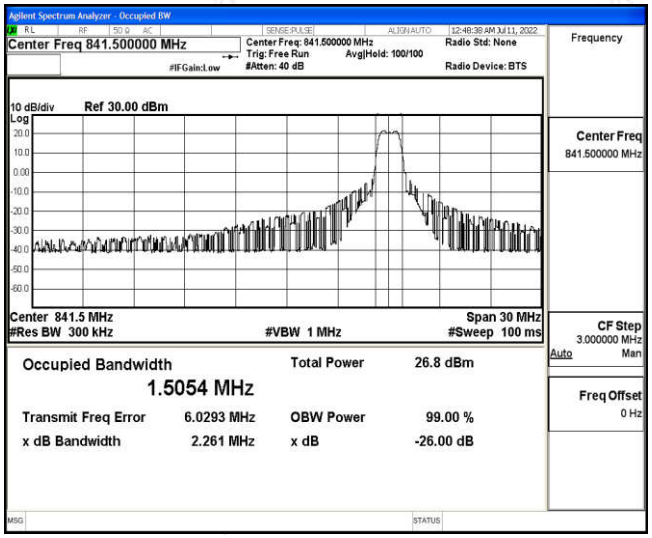

Band26-15MHz-QPSK-26965-6-0-High-1.5173-2.293-PASS




Band26-15MHz-16QAM-26865-6-0-Low-1.5557-3.008-PASS




Band26-15MHz-16QAM-26915-6-0-Low-1.5152-2.435-PASS



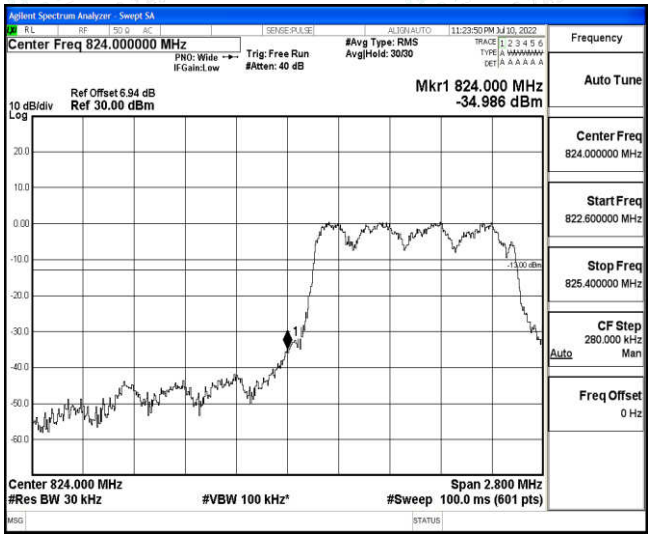

Band26-15MHz-16QAM-26965-6-0-High-1.5054-2.261-PASS

# M.4 Band Edge for M1

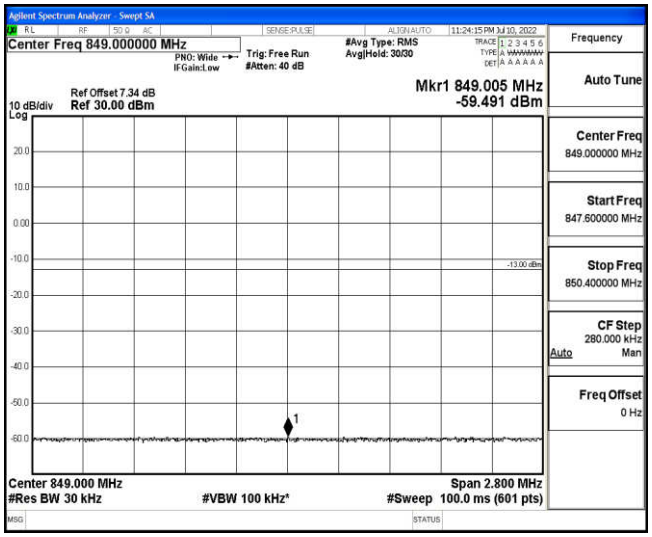
## Test Result

| Band | Bandwidth | Modulation | Channel | RB Size | RB Start | NB Index | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| Band26 | 1.4MHz | 26797 | QPSK | 6 | 0 | Low | -34.99 | PASS |
| Band26 | 1.4MHz | 26915 | QPSK | 6 | 0 | Low | -59.49 | PASS |
| Band26 | 1.4MHz | 27033 | QPSK | 6 | 0 | High | -34.48 | PASS |
| Band26 | 1.4MHz | 26797 | 16QAM | 6 | 0 | Low | -36.50 | PASS |
| Band26 | 1.4MHz | 26915 | 16QAM | 6 | 0 | Low | -59.51 | PASS |
| Band26 | 1.4MHz | 27033 | 16QAM | 6 | 0 | High | -34.45 | PASS |
| Band26 | 3MHz | 26805 | QPSK | 6 | 0 | Low | -40.31 | PASS |
| Band26 | 3MHz | 27025 | QPSK | 6 | 0 | High | -35.67 | PASS |
| Band26 | 3MHz | 26805 | 16QAM | 6 | 0 | Low | -39.80 | PASS |
| Band26 | 3MHz | 27025 | 16QAM | 6 | 0 | High | -36.15 | PASS |
| Band26 | 5MHz | 26815 | QPSK | 6 | 0 | Low | -31.99 | PASS |
| Band26 | 5MHz | 27015 | QPSK | 6 | 0 | High | -30.21 | PASS |
| Band26 | 5MHz | 26815 | 16QAM | 6 | 0 | Low | -34.03 | PASS |
| Band26 | 5MHz | 27015 | 16QAM | 6 | 0 | High | -32.00 | PASS |
| Band26 | 10MHz | 26840 | QPSK | 6 | 0 | Low | -34.27 | PASS |
| Band26 | 10MHz | 26990 | QPSK | 6 | 0 | High | -33.03 | PASS |
| Band26 | 10MHz | 26840 | 16QAM | 6 | 0 | Low | -35.74 | PASS |
| Band26 | 10MHz | 26990 | 16QAM | 6 | 0 | High | -33.56 | PASS |
| Band26 | 15MHz | 26965 | QPSK | 6 | 0 | High | -31.80 | PASS |
| Band26 | 15MHz | 26965 | 16QAM | 6 | 0 | High | -28.04 | PASS |

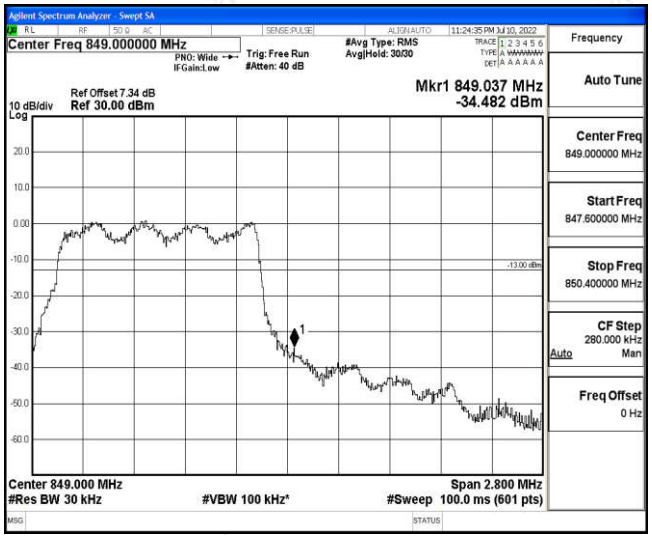
## Test Graphs



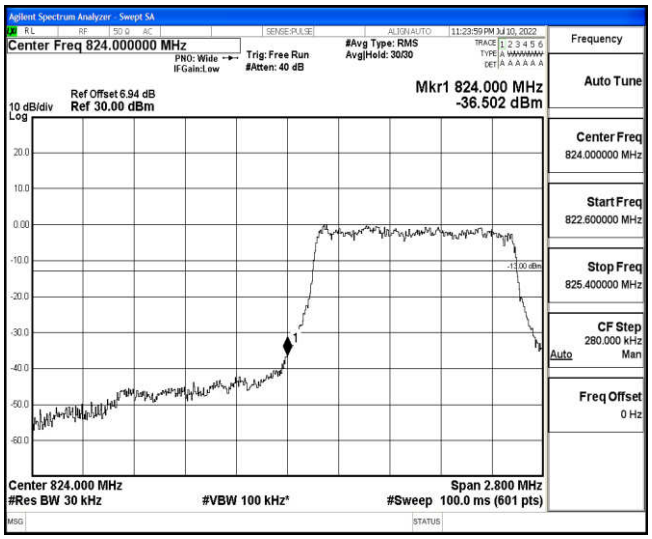

Band26-1.4MHz-QPSK-26797-6-0-Low--34.99-PASS



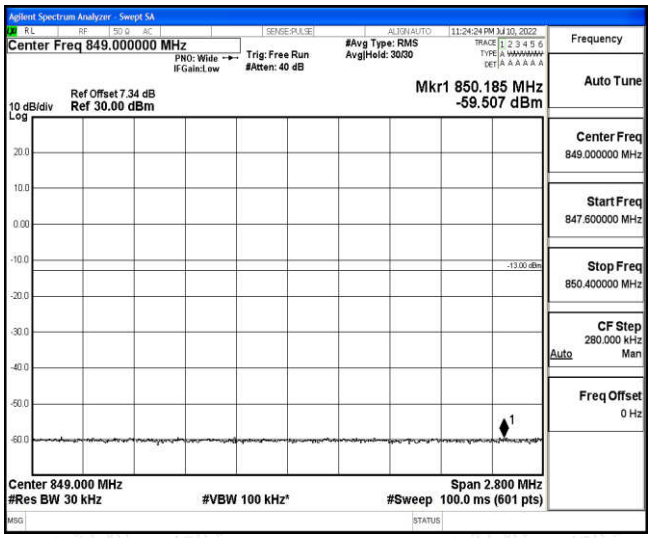

Band26-1.4MHz-QPSK-26915-6-0-Low--59.49-PASS



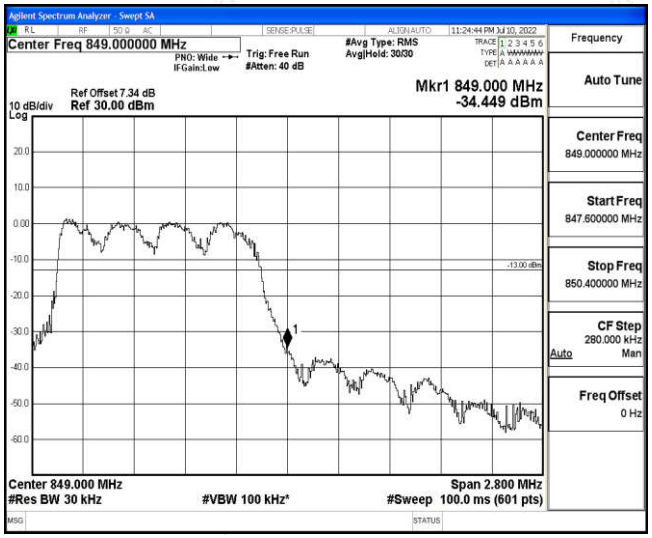

Band26-1.4MHz-QPSK-27033-6-0-High--34.48-PASS



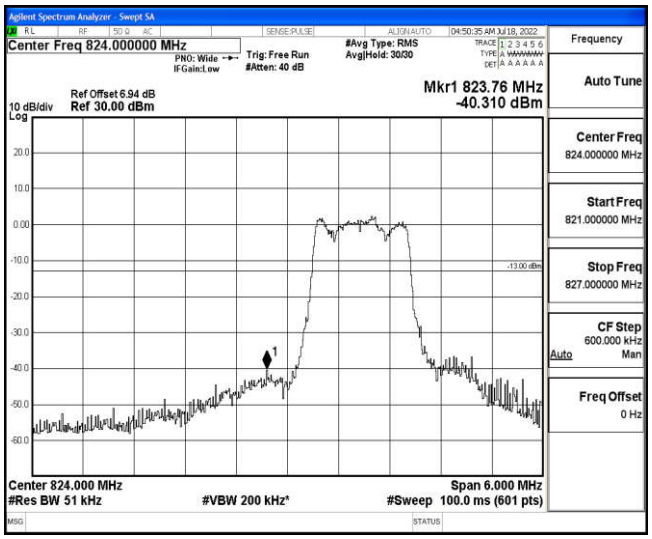

Band26-1.4MHz-16QAM-26797-6-0-Low--36.50-PASS



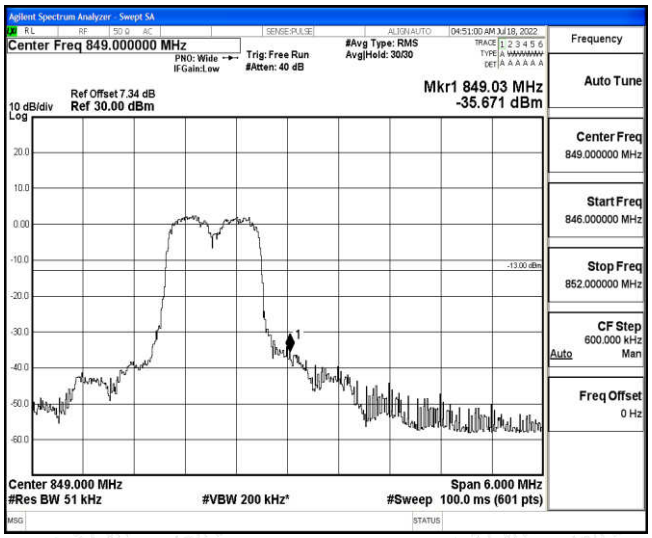

Band26-1.4MHz-16QAM-26915-6-0-Low--59.51-PASS



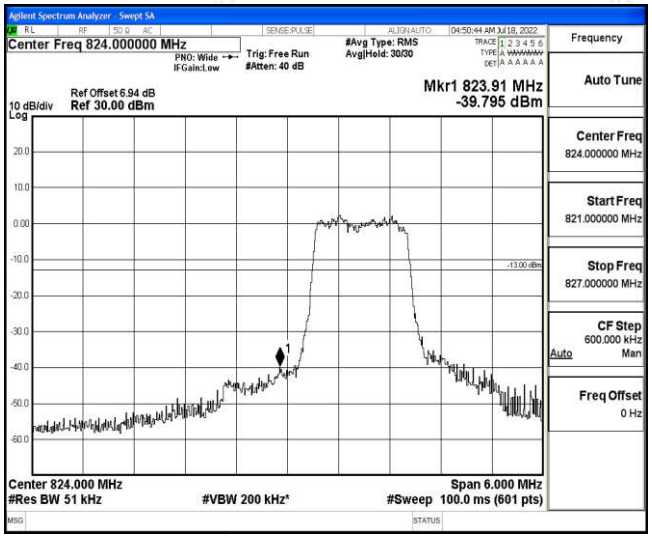

Band26-1.4MHz-16QAM-27033-6-0-High--34.45-PASS



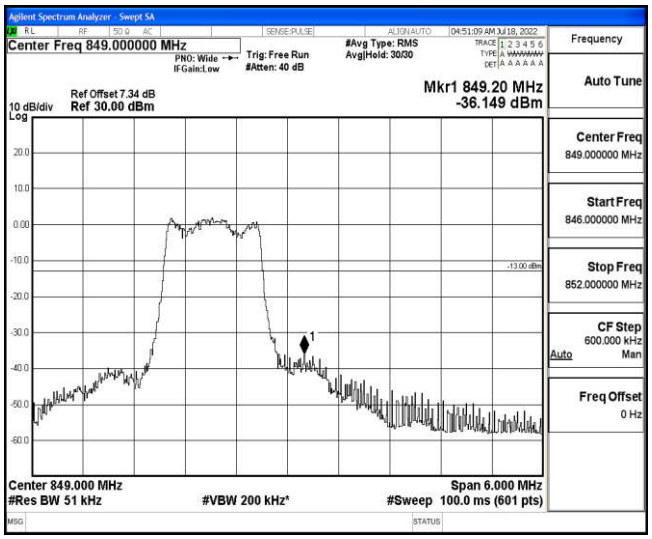

Band26-3MHz-QPSK-26805-6-0-Low--40.31-PASS



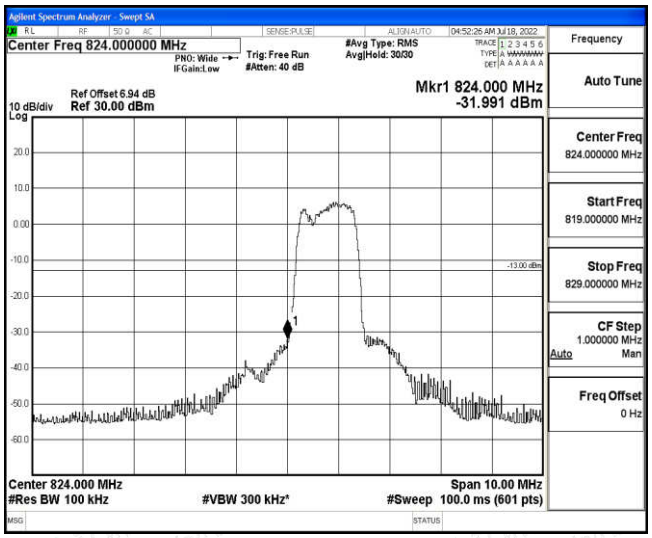

Band26-3MHz-QPSK-27025-6-0-High--35.67-PASS



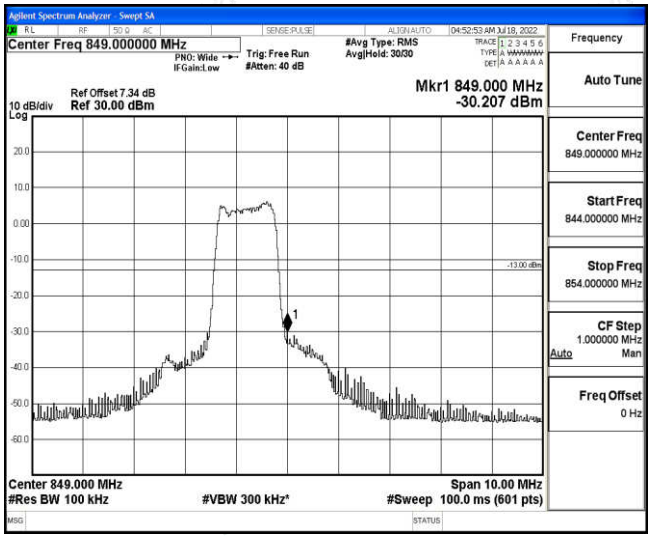

Band26-3MHz-16QAM-26805-6-0-Low--39.80-PASS



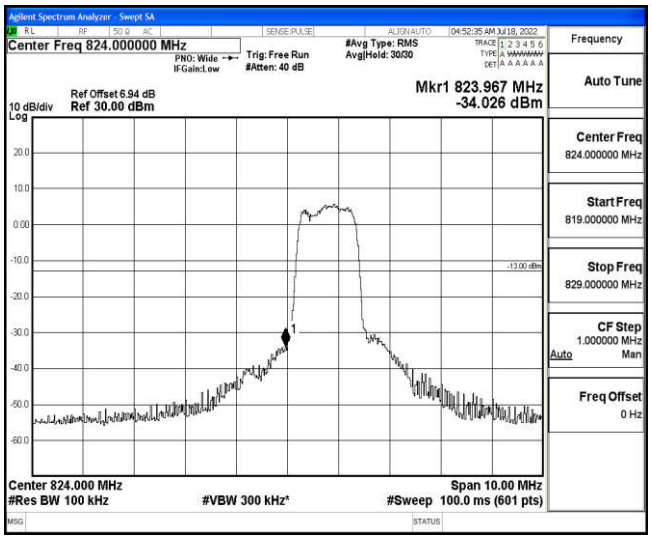

Band26-3MHz-16QAM-27025-6-0-High--36.15-PASS



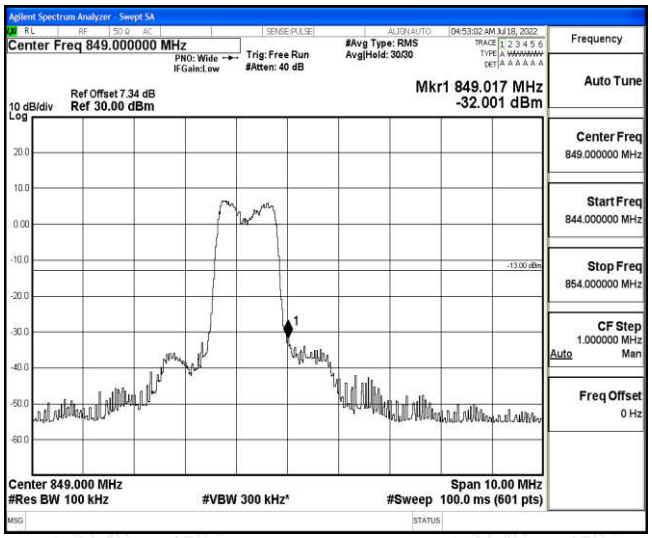

Band26-5MHz-QPSK-26815-6-0-Low--31.99-PASS



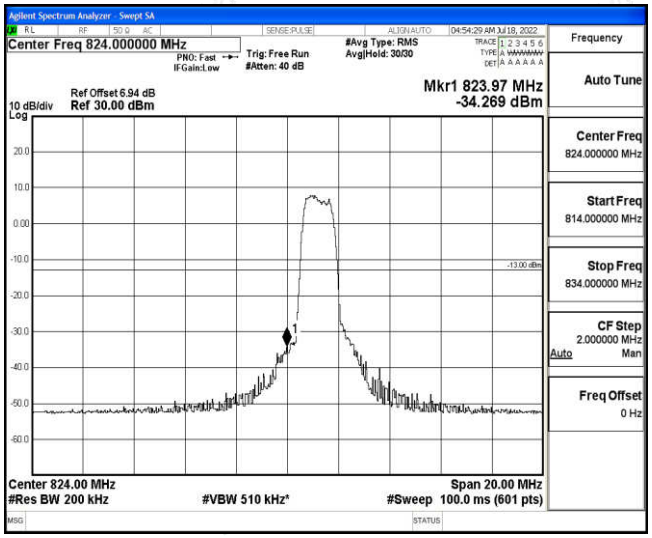

Band26-5MHz-QPSK-27015-6-0-High--30.21-PASS



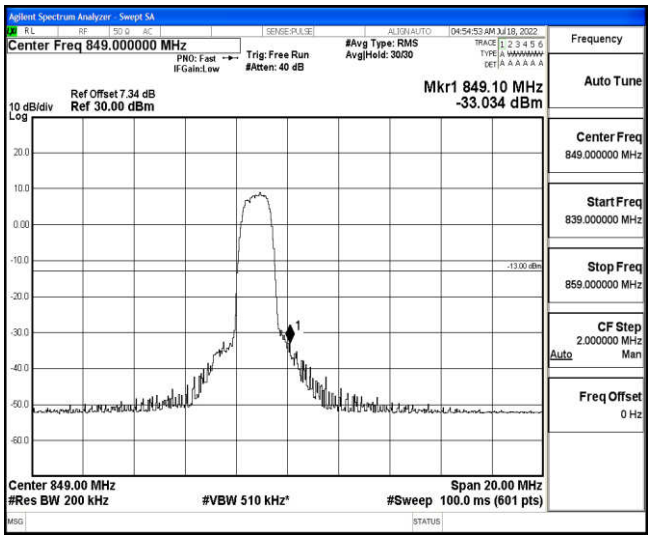

Band26-5MHz-16QAM-26815-6-0-Low--34.03-PASS



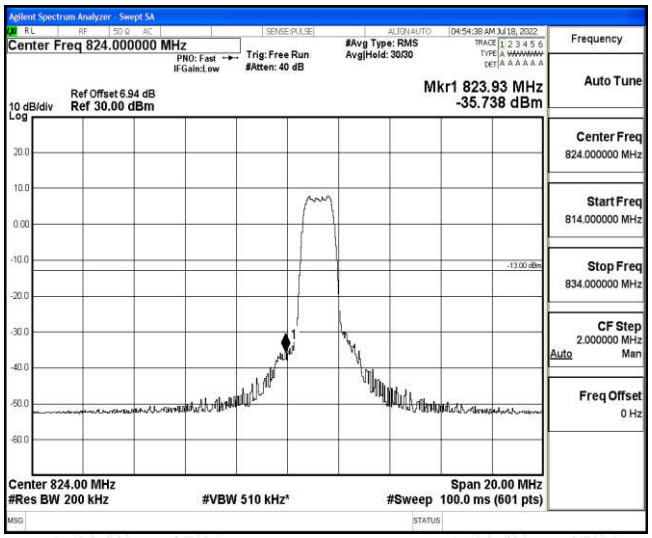

Band26-5MHz-16QAM-27015-6-0-High--32.00-PASS



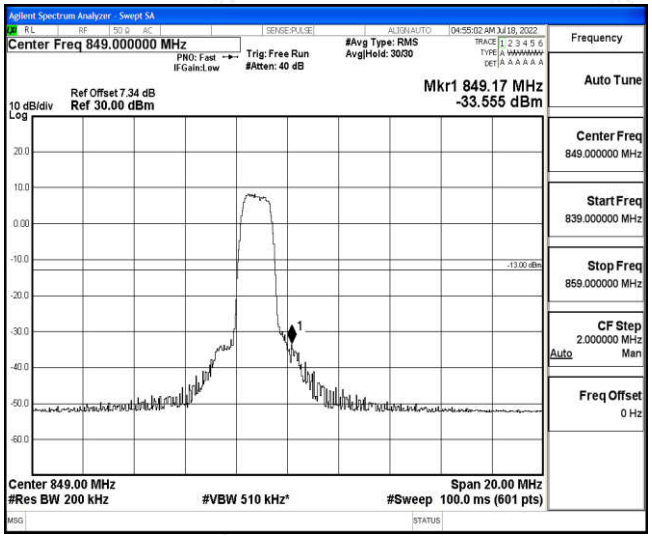

Band26-10MHz-QPSK-26840-6-0-Low--34.27-PASS



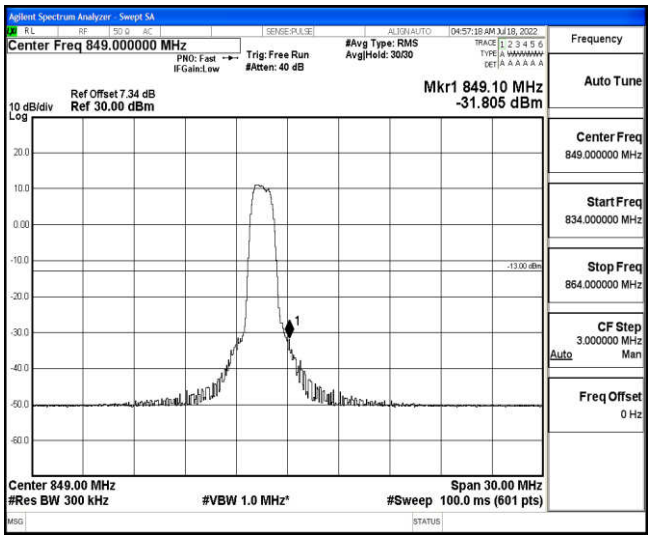

Band26-10MHz-QPSK-26990-6-0-High--33.03-PASS



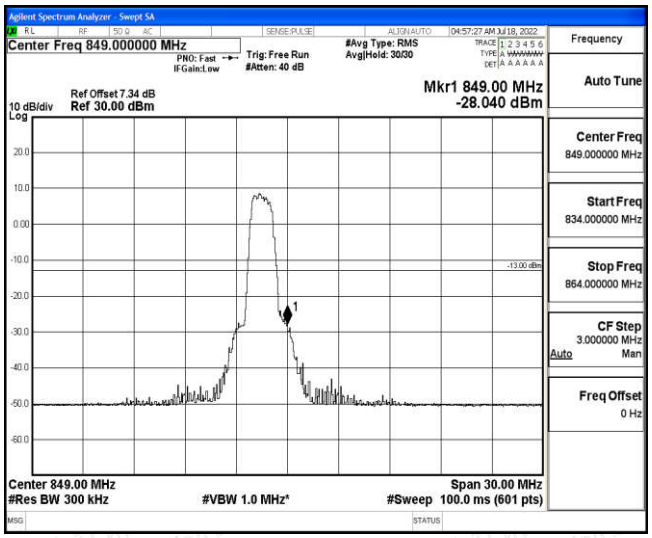

Band26-10MHz-16QAM-26840-6-0-Low--35.74-PASS




Band26-10MHz-16QAM-26990-6-0-High--33.56-PASS




Band26-15MHz-QPSK-26965-6-0-High--31.80-PASS




Band26-15MHz-16QAM-26965-6-0-High--28.04-PASS

# M.5 Conducted Spurious Emission for M1

## Test Result

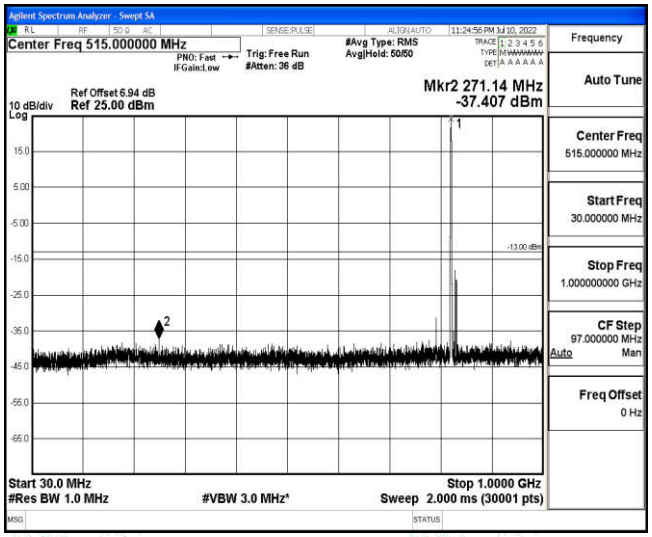
| Band | Bandwidth | Modulation | Channel | RB Size | RB Start | NB Index | Start Freq | Stop Freq | Result (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| Band26 | 1.4MHz | 26797 | QPSK | 1 | 0 | Low | 30 | 1000 | -37.41 | PASS |
| Band26 | 1.4MHz | 26797 | QPSK | 1 | 0 | Low | 1000 | 5000 | -43.14 | PASS |
| Band26 | 1.4MHz | 26797 | QPSK | 1 | 0 | Low | 5000 | 12000 | -59.39 | PASS |
| Band26 | 1.4MHz | 26797 | QPSK | 1 | 0 | Low | 12000 | 26500 | -44.49 | PASS |
| Band26 | 1.4MHz | 26915 | QPSK | 1 | 0 | Low | 30 | 1000 | -37.02 | PASS |
| Band26 | 1.4MHz | 26915 | QPSK | 1 | 0 | Low | 1000 | 5000 | -43.08 | PASS |
| Band26 | 1.4MHz | 26915 | QPSK | 1 | 0 | Low | 5000 | 12000 | -59.01 | PASS |
| Band26 | 1.4MHz | 26915 | QPSK | 1 | 0 | Low | 12000 | 26500 | -44.17 | PASS |
| Band26 | 1.4MHz | 27033 | QPSK | 1 | 0 | High | 30 | 1000 | -36.42 | PASS |
| Band26 | 1.4MHz | 27033 | QPSK | 1 | 0 | High | 1000 | 5000 | -42.52 | PASS |
| Band26 | 1.4MHz | 27033 | QPSK | 1 | 0 | High | 5000 | 12000 | -58.96 | PASS |
| Band26 | 1.4MHz | 27033 | QPSK | 1 | 0 | High | 12000 | 26500 | -44.09 | PASS |
| Band26 | 1.4MHz | 26797 | 16QAM | 1 | 0 | Low | 30 | 1000 | -37.24 | PASS |
| Band26 | 1.4MHz | 26797 | 16QAM | 1 | 0 | Low | 1000 | 5000 | -43.38 | PASS |
| Band26 | 1.4MHz | 26797 | 16QAM | 1 | 0 | Low | 5000 | 12000 | -59.31 | PASS |
| Band26 | 1.4MHz | 26797 | 16QAM | 1 | 0 | Low | 12000 | 26500 | -44.35 | PASS |
| Band26 | 1.4MHz | 26915 | 16QAM | 1 | 0 | Low | 30 | 1000 | -35.24 | PASS |
| Band26 | 1.4MHz | 26915 | 16QAM | 1 | 0 | Low | 1000 | 5000 | -42.87 | PASS |
| Band26 | 1.4MHz | 26915 | 16QAM | 1 | 0 | Low | 5000 | 12000 | -58.87 | PASS |
| Band26 | 1.4MHz | 26915 | 16QAM | 1 | 0 | Low | 12000 | 26500 | -44.17 | PASS |
| Band26 | 1.4MHz | 27033 | 16QAM | 1 | 0 | High | 30 | 1000 | -37.14 | PASS |
| Band26 | 1.4MHz | 27033 | 16QAM | 1 | 0 | High | 1000 | 5000 | -43.04 | PASS |
| Band26 | 1.4MHz | 27033 | 16QAM | 1 | 0 | High | 5000 | 12000 | -58.95 | PASS |
| Band26 | 1.4MHz | 27033 | 16QAM | 1 | 0 | High | 12000 | 26500 | -44.08 | PASS |
| Band26 | 3MHz | 26805 | QPSK | 1 | 0 | Low | 30 | 1000 | -37.85 | PASS |
| Band26 | 3MHz | 26805 | QPSK | 1 | 0 | Low | 1000 | 5000 | -43.44 | PASS |
| Band26 | 3MHz | 26805 | QPSK | 1 | 0 | Low | 5000 | 12000 | -59.4 | PASS |
| Band26 | 3MHz | 26805 | QPSK | 1 | 0 | Low | 12000 | 26500 | -44.43 | PASS |
| Band26 | 3MHz | 26915 | QPSK | 1 | 0 | Low | 30 | 1000 | -37.27 | PASS |
| Band26 | 3MHz | 26915 | QPSK | 1 | 0 | Low | 1000 | 5000 | -43.15 | PASS |
| Band26 | 3MHz | 26915 | QPSK | 1 | 0 | Low | 5000 | 12000 | -58.9 | PASS |
| Band26 | 3MHz | 26915 | QPSK | 1 | 0 | Low | 12000 | 26500 | -44.18 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band26 | 3MHz | 27025 | QPSK | 1 | 0 | High | 30 | 1000 | -36.57 | PASS |
| Band26 | 3MHz | 27025 | QPSK | 1 | 0 | High | 1000 | 5000 | -42.9 | PASS |
| Band26 | 3MHz | 27025 | QPSK | 1 | 0 | High | 5000 | 12000 | -58.59 | PASS |
| Band26 | 3MHz | 27025 | QPSK | 1 | 0 | High | 12000 | 26500 | -44.08 | PASS |
| Band26 | 3MHz | 26805 | 16QAM | 1 | 0 | Low | 30 | 1000 | -38.23 | PASS |
| Band26 | 3MHz | 26805 | 16QAM | 1 | 0 | Low | 1000 | 5000 | -43.51 | PASS |
| Band26 | 3MHz | 26805 | 16QAM | 1 | 0 | Low | 5000 | 12000 | -59.38 | PASS |
| Band26 | 3MHz | 26805 | 16QAM | 1 | 0 | Low | 12000 | 26500 | -44.32 | PASS |
| Band26 | 3MHz | 26915 | 16QAM | 1 | 0 | Low | 30 | 1000 | -37.24 | PASS |
| Band26 | 3MHz | 26915 | 16QAM | 1 | 0 | Low | 1000 | 5000 | -43 | PASS |
| Band26 | 3MHz | 26915 | 16QAM | 1 | 0 | Low | 5000 | 12000 | -58.93 | PASS |
| Band26 | 3MHz | 26915 | 16QAM | 1 | 0 | Low | 12000 | 26500 | -43.96 | PASS |
| Band26 | 3MHz | 27025 | 16QAM | 1 | 0 | High | 30 | 1000 | -36.81 | PASS |
| Band26 | 3MHz | 27025 | 16QAM | 1 | 0 | High | 1000 | 5000 | -42.98 | PASS |
| Band26 | 3MHz | 27025 | 16QAM | 1 | 0 | High | 5000 | 12000 | -58.85 | PASS |
| Band26 | 3MHz | 27025 | 16QAM | 1 | 0 | High | 12000 | 26500 | -44.1 | PASS |
| Band26 | 5MHz | 26815 | QPSK | 1 | 0 | Low | 30 | 1000 | -36.38 | PASS |
| Band26 | 5MHz | 26815 | QPSK | 1 | 0 | Low | 1000 | 5000 | -43.4 | PASS |
| Band26 | 5MHz | 26815 | QPSK | 1 | 0 | Low | 5000 | 12000 | -59.25 | PASS |
| Band26 | 5MHz | 26815 | QPSK | 1 | 0 | Low | 12000 | 26500 | -44.2 | PASS |
| Band26 | 5MHz | 26915 | QPSK | 1 | 0 | Low | 30 | 1000 | -37.09 | PASS |
| Band26 | 5MHz | 26915 | QPSK | 1 | 0 | Low | 1000 | 5000 | -42.88 | PASS |
| Band26 | 5MHz | 26915 | QPSK | 1 | 0 | Low | 5000 | 12000 | -58.92 | PASS |
| Band26 | 5MHz | 26915 | QPSK | 1 | 0 | Low | 12000 | 26500 | -43.94 | PASS |
| Band26 | 5MHz | 27015 | QPSK | 1 | 0 | High | 30 | 1000 | -37.59 | PASS |
| Band26 | 5MHz | 27015 | QPSK | 1 | 0 | High | 1000 | 5000 | -43.15 | PASS |
| Band26 | 5MHz | 27015 | QPSK | 1 | 0 | High | 5000 | 12000 | -58.91 | PASS |
| Band26 | 5MHz | 27015 | QPSK | 1 | 0 | High | 12000 | 26500 | -44.13 | PASS |
| Band26 | 5MHz | 26815 | 16QAM | 1 | 0 | Low | 30 | 1000 | -37.74 | PASS |
| Band26 | 5MHz | 26815 | 16QAM | 1 | 0 | Low | 1000 | 5000 | -43.53 | PASS |
| Band26 | 5MHz | 26815 | 16QAM | 1 | 0 | Low | 5000 | 12000 | -59.31 | PASS |
| Band26 | 5MHz | 26815 | 16QAM | 1 | 0 | Low | 12000 | 26500 | -44.44 | PASS |
| Band26 | 5MHz | 26915 | 16QAM | 1 | 0 | Low | 30 | 1000 | -37.81 | PASS |
| Band26 | 5MHz | 26915 | 16QAM | 1 | 0 | Low | 1000 | 5000 | -42.93 | PASS |
| Band26 | 5MHz | 26915 | 16QAM | 1 | 0 | Low | 5000 | 12000 | -58.89 | PASS |
| Band26 | 5MHz | 26915 | 16QAM | 1 | 0 | Low | 12000 | 26500 | -43.94 | PASS |
| Band26 | 5MHz | 27015 | 16QAM | 1 | 0 | High | 30 | 1000 | -37.05 | PASS |
| Band26 | 5MHz | 27015 | 16QAM | 1 | 0 | High | 1000 | 5000 | -42.83 | PASS |
| Band26 | 5MHz | 27015 | 16QAM | 1 | 0 | High | 5000 | 12000 | -59.04 | PASS |
| Band26 | 5MHz | 27015 | 16QAM | 1 | 0 | High | 12000 | 26500 | -44.01 | PASS |
| Band26 | 10MHz | 26840 | QPSK | 1 | 0 | Low | 30 | 1000 | -37.16 | PASS |

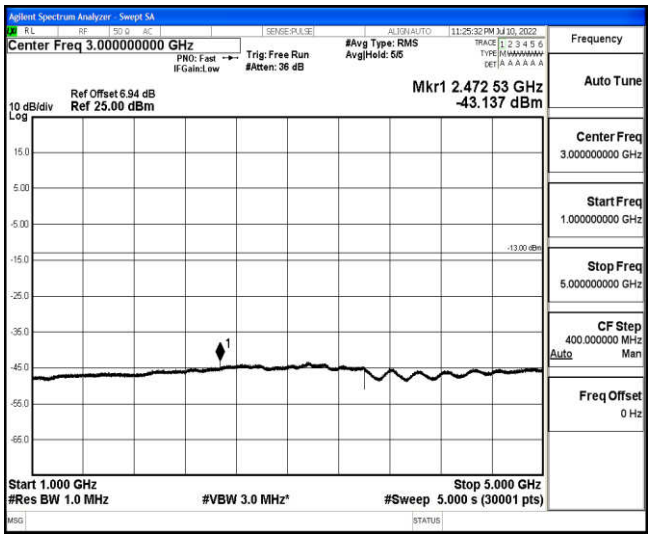
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band26 | 10MHz | 26840 | QPSK | 1 | 0 | Low | 1000 | 5000 | -43.43 | PASS |
| Band26 | 10MHz | 26840 | QPSK | 1 | 0 | Low | 5000 | 12000 | -59.38 | PASS |
| Band26 | 10MHz | 26840 | QPSK | 1 | 0 | Low | 12000 | 26500 | -44.4 | PASS |
| Band26 | 10MHz | 26915 | QPSK | 1 | 0 | Low | 30 | 1000 | -37.17 | PASS |
| Band26 | 10MHz | 26915 | QPSK | 1 | 0 | Low | 1000 | 5000 | -43.12 | PASS |
| Band26 | 10MHz | 26915 | QPSK | 1 | 0 | Low | 5000 | 12000 | -58.83 | PASS |
| Band26 | 10MHz | 26915 | QPSK | 1 | 0 | Low | 12000 | 26500 | -44.05 | PASS |
| Band26 | 10MHz | 26990 | QPSK | 1 | 0 | High | 30 | 1000 | -37.64 | PASS |
| Band26 | 10MHz | 26990 | QPSK | 1 | 0 | High | 1000 | 5000 | -43.06 | PASS |
| Band26 | 10MHz | 26990 | QPSK | 1 | 0 | High | 5000 | 12000 | -58.95 | PASS |
| Band26 | 10MHz | 26990 | QPSK | 1 | 0 | High | 12000 | 26500 | -44.07 | PASS |
| Band26 | 10MHz | 26840 | 16QAM | 1 | 0 | Low | 30 | 1000 | -37.67 | PASS |
| Band26 | 10MHz | 26840 | 16QAM | 1 | 0 | Low | 1000 | 5000 | -43.03 | PASS |
| Band26 | 10MHz | 26840 | 16QAM | 1 | 0 | Low | 5000 | 12000 | -59.13 | PASS |
| Band26 | 10MHz | 26840 | 16QAM | 1 | 0 | Low | 12000 | 26500 | -44.4 | PASS |
| Band26 | 10MHz | 26915 | 16QAM | 1 | 0 | Low | 30 | 1000 | -37.36 | PASS |
| Band26 | 10MHz | 26915 | 16QAM | 1 | 0 | Low | 1000 | 5000 | -42.85 | PASS |
| Band26 | 10MHz | 26915 | 16QAM | 1 | 0 | Low | 5000 | 12000 | -59.02 | PASS |
| Band26 | 10MHz | 26915 | 16QAM | 1 | 0 | Low | 12000 | 26500 | -44.03 | PASS |
| Band26 | 10MHz | 26990 | 16QAM | 1 | 0 | High | 30 | 1000 | -37.62 | PASS |
| Band26 | 10MHz | 26990 | 16QAM | 1 | 0 | High | 1000 | 5000 | -42.86 | PASS |
| Band26 | 10MHz | 26990 | 16QAM | 1 | 0 | High | 5000 | 12000 | -58.67 | PASS |
| Band26 | 10MHz | 26990 | 16QAM | 1 | 0 | High | 12000 | 26500 | -43.72 | PASS |
| Band26 | 15MHz | 26865 | QPSK | 1 | 0 | Low | 30 | 1000 | -37.11 | PASS |
| Band26 | 15MHz | 26865 | QPSK | 1 | 0 | Low | 1000 | 5000 | -43.09 | PASS |
| Band26 | 15MHz | 26865 | QPSK | 1 | 0 | Low | 5000 | 12000 | -58.85 | PASS |
| Band26 | 15MHz | 26865 | QPSK | 1 | 0 | Low | 12000 | 26500 | -44.07 | PASS |
| Band26 | 15MHz | 26915 | QPSK | 1 | 0 | Low | 30 | 1000 | -37.83 | PASS |
| Band26 | 15MHz | 26915 | QPSK | 1 | 0 | Low | 1000 | 5000 | -43.15 | PASS |
| Band26 | 15MHz | 26915 | QPSK | 1 | 0 | Low | 5000 | 12000 | -58.98 | PASS |
| Band26 | 15MHz | 26915 | QPSK | 1 | 0 | Low | 12000 | 26500 | -43.87 | PASS |
| Band26 | 15MHz | 26965 | QPSK | 1 | 0 | High | 30 | 1000 | -35.46 | PASS |
| Band26 | 15MHz | 26965 | QPSK | 1 | 0 | High | 1000 | 5000 | -43.13 | PASS |
| Band26 | 15MHz | 26965 | QPSK | 1 | 0 | High | 5000 | 12000 | -58.95 | PASS |
| Band26 | 15MHz | 26965 | QPSK | 1 | 0 | High | 12000 | 26500 | -44.15 | PASS |
| Band26 | 15MHz | 26865 | 16QAM | 1 | 0 | Low | 30 | 1000 | -37.56 | PASS |
| Band26 | 15MHz | 26865 | 16QAM | 1 | 0 | Low | 1000 | 5000 | -42.58 | PASS |
| Band26 | 15MHz | 26865 | 16QAM | 1 | 0 | Low | 5000 | 12000 | -58.76 | PASS |
| Band26 | 15MHz | 26865 | 16QAM | 1 | 0 | Low | 12000 | 26500 | -43.9 | PASS |
| Band26 | 15MHz | 26915 | 16QAM | 1 | 0 | Low | 30 | 1000 | -36.56 | PASS |
| Band26 | 15MHz | 26915 | 16QAM | 1 | 0 | Low | 1000 | 5000 | -43.13 | PASS |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Band26 | 15MHz | 26915 | 16QAM | 1 | 0 | Low | 5000 | 12000 | -58.81 | PASS |
| Band26 | 15MHz | 26915 | 16QAM | 1 | 0 | Low | 12000 | 26500 | -43.77 | PASS |
| Band26 | 15MHz | 26965 | 16QAM | 1 | 0 | High | 30 | 1000 | -35.61 | PASS |
| Band26 | 15MHz | 26965 | 16QAM | 1 | 0 | High | 1000 | 5000 | -43.17 | PASS |
| Band26 | 15MHz | 26965 | 16QAM | 1 | 0 | High | 5000 | 12000 | -58.95 | PASS |
| Band26 | 15MHz | 26965 | 16QAM | 1 | 0 | High | 12000 | 26500 | -44.1 | PASS |

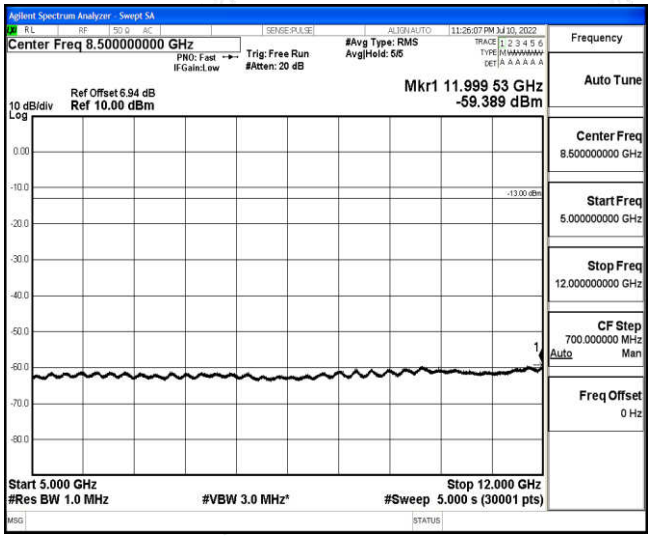
## Test Graphs



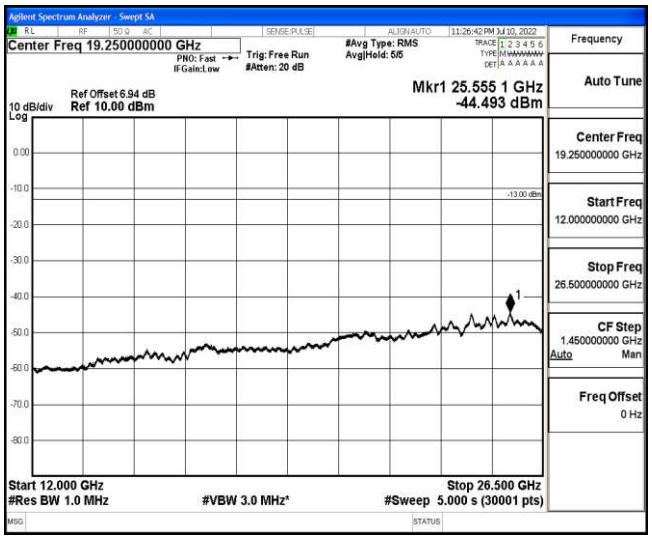

Band26-1.4MHz-QPSK-26797-1-0-Low-30-1000--37.41-PASS



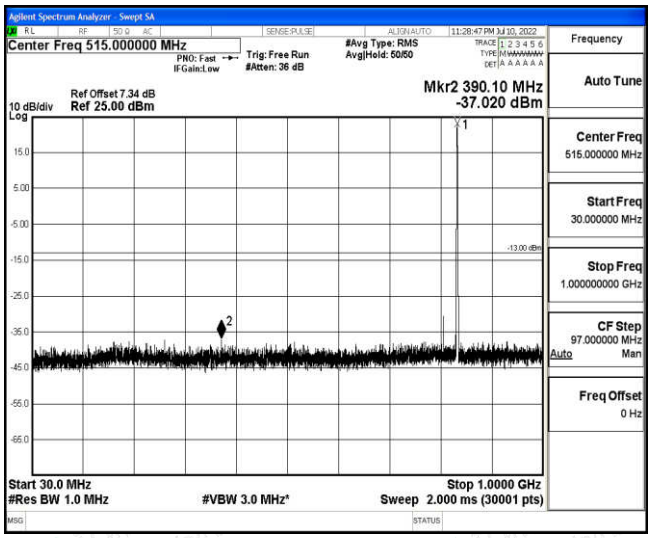

Band26-1.4MHz-QPSK-26797-1-0-Low-1000-5000--43.14-PASS



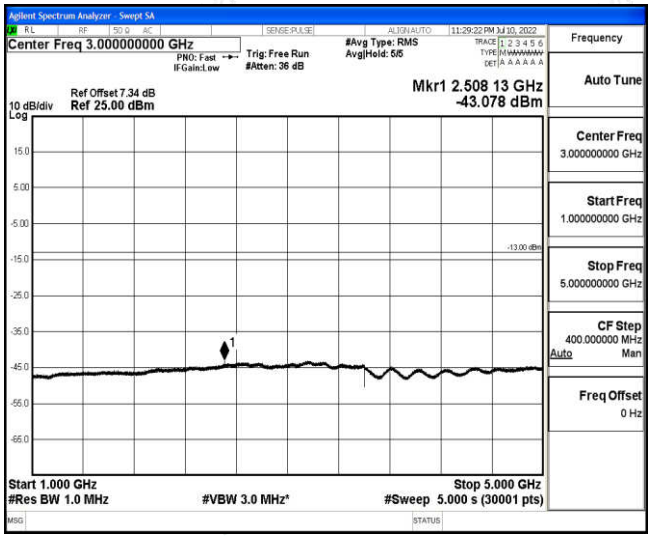

Band26-1.4MHz-QPSK-26797-1-0-Low-5000-12000--59.39-PASS



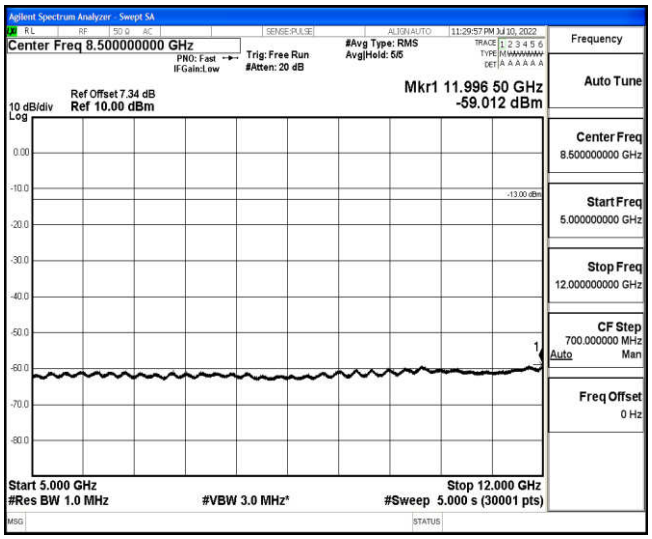

Band26-1.4MHz-QPSK-26797-1-0-Low-12000-26500--44.49-PASS



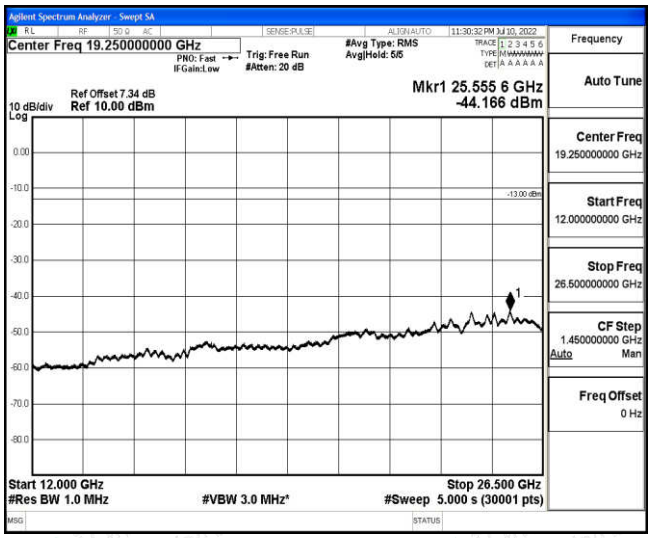

Band26-1.4MHz-QPSK-26915-1-0-Low-30-1000--37.02-PASS



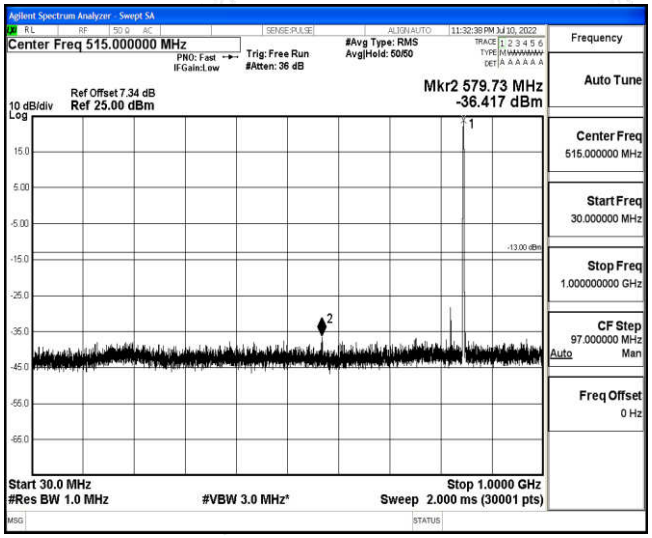

Band26-1.4MHz-QPSK-26915-1-0-Low-1000-5000--43.08-PASS



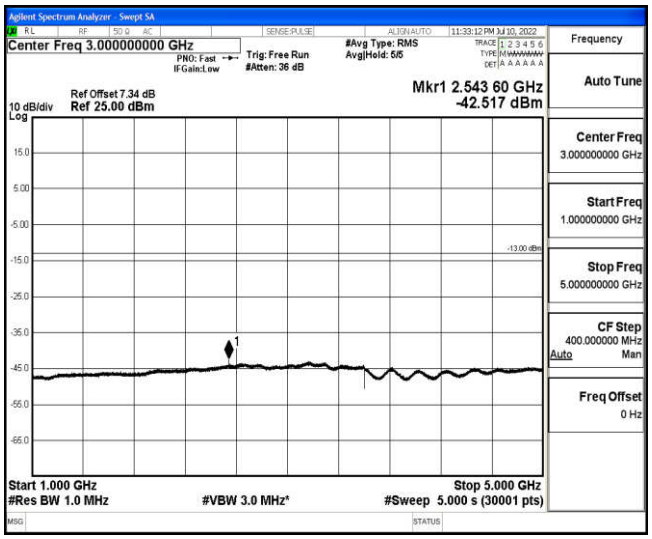

Band26-1.4MHz-QPSK-26915-1-0-Low-5000-12000--59.01-PASS



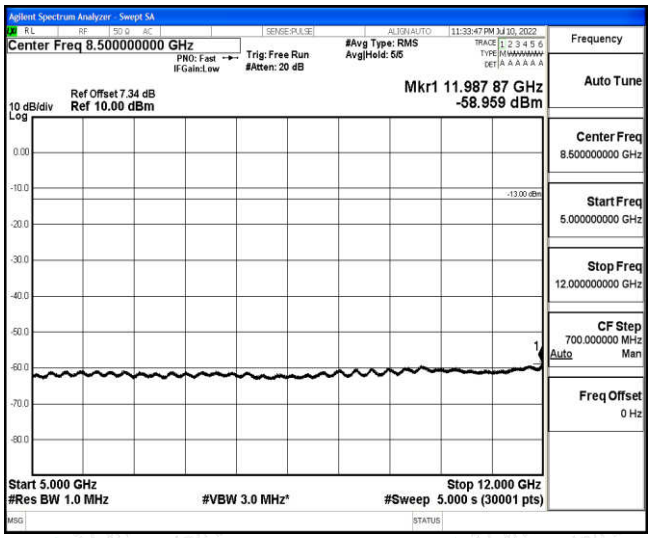

Band26-1.4MHz-QPSK-26915-1-0-Low-12000-26500--44.17-PASS



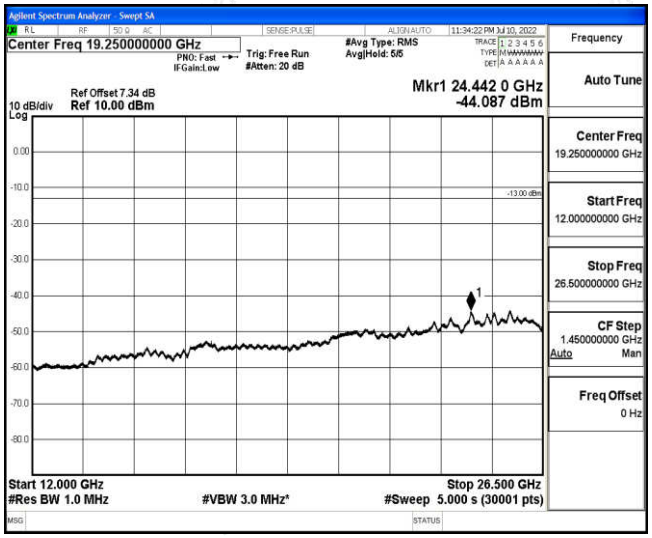

Band26-1.4MHz-QPSK-27033-1-0-High-30-1000--36.42-PASS



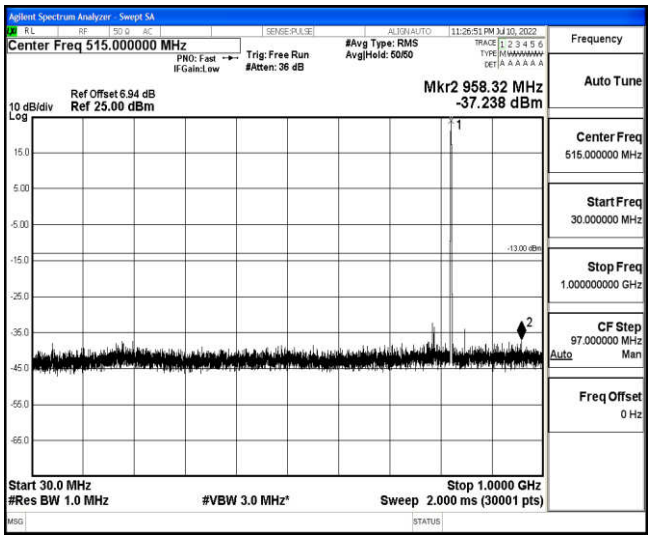

Band26-1.4MHz-QPSK-27033-1-0-High-1000-5000--42.52-PASS



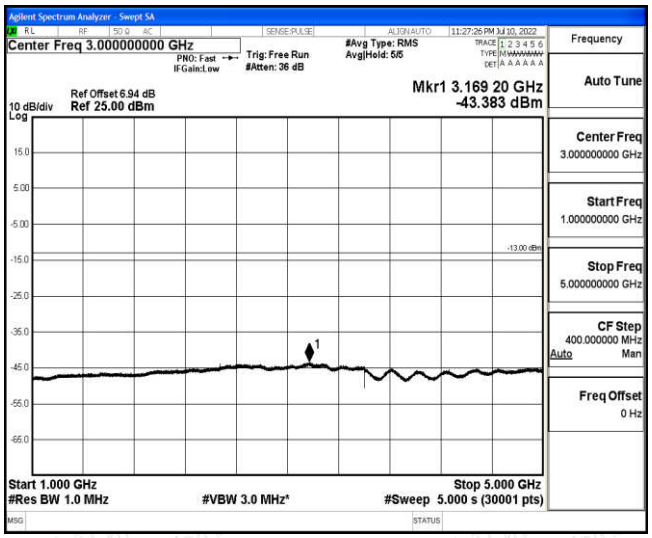

Band26-1.4MHz-QPSK-27033-1-0-High-5000-12000--58.96-PASS



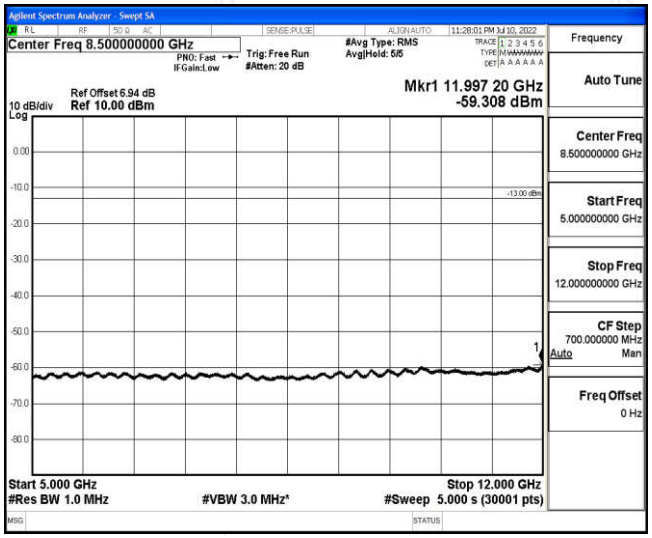

Band26-1.4MHz-QPSK-27033-1-0-High-12000-26500--44.09-PASS



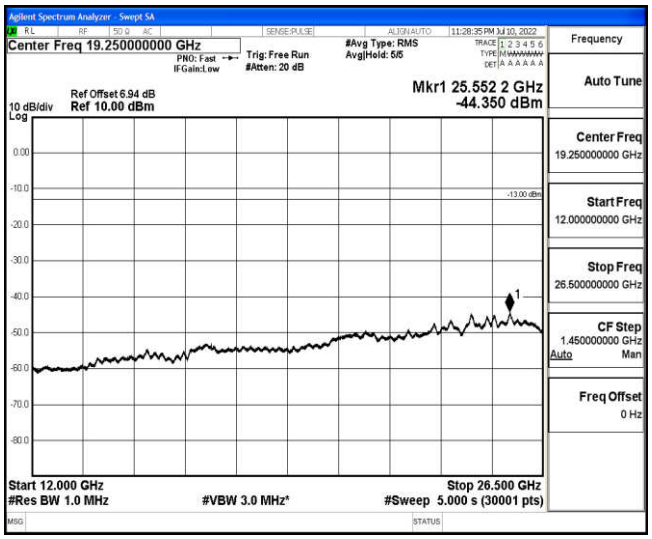

Band26-1.4MHz-16QAM-26797-1-0-Low-30-1000--37.24-PASS



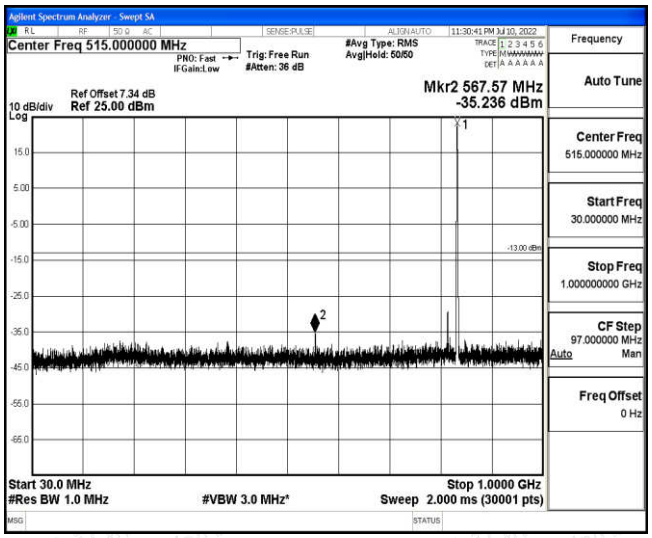

Band26-1.4MHz-16QAM-26797-1-0-Low-1000-5000--43.38-PASS



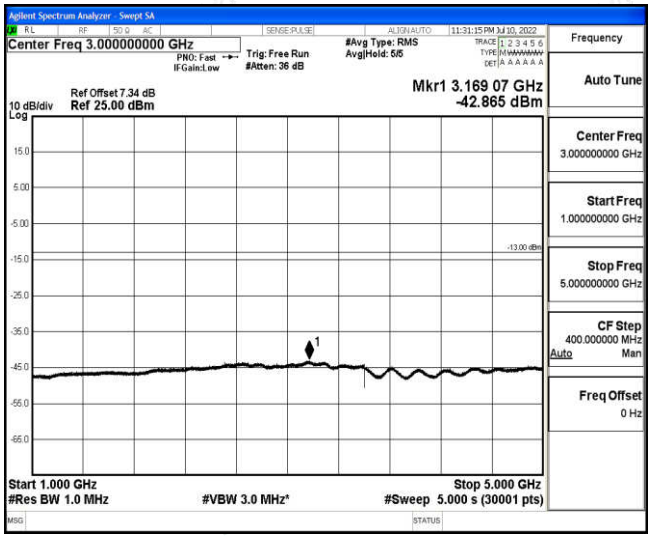

Band26-1.4MHz-16QAM-26797-1-0-Low-5000-12000--59.31-PASS



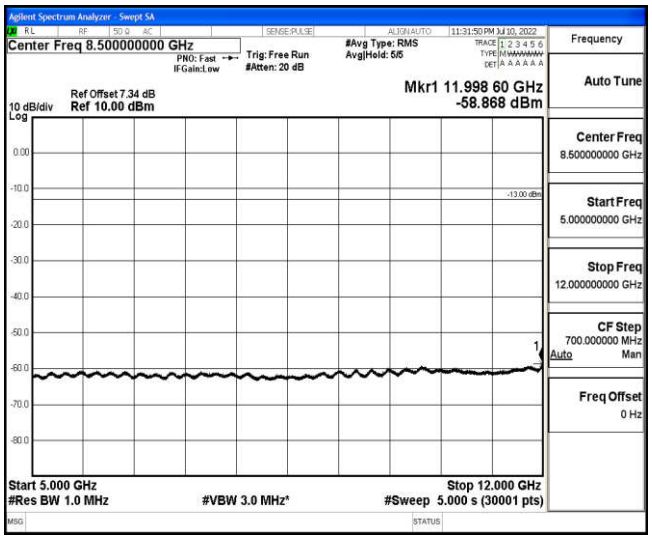

Band26-1.4MHz-16QAM-26797-1-0-Low-12000-26500--44.35-PASS



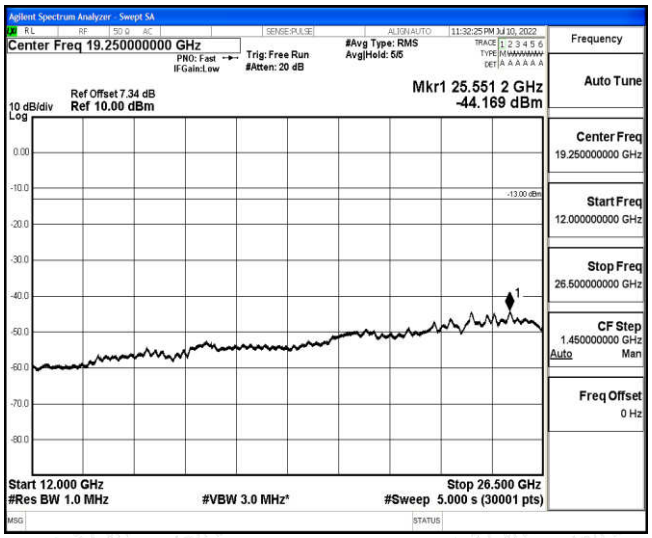

Band26-1.4MHz-16QAM-26915-1-0-Low-30-1000--35.24-PASS




Band26-1.4MHz-16QAM-26915-1-0-Low-1000-5000--42.87-PASS




Band26-1.4MHz-16QAM-26915-1-0-Low-5000-12000--58.87-PASS




Band26-1.4MHz-16QAM-26915-1-0-Low-12000-26500--44.17-PASS