

## 1. Transmitter Conducted Output Power And ERP/EIRP

### Test Result

| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB   | Conducted Power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) | ERP/EIRP(Limit) (dBm) | Verdict |
|------|-----------------|---------|------------|------------|------|-----------------------|----------------|--------------|-----------------------|---------|
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@0  | 23.47                 | 26.43          | 0.440        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@2  | 22.22                 | 25.18          | 0.330        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@5  | 23.92                 | 26.88          | 0.488        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 3@0  | 22.59                 | 25.55          | 0.359        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 3@1  | 22.38                 | 25.34          | 0.342        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 3@2  | 23.04                 | 26.00          | 0.398        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 6@0  | 22.96                 | 25.92          | 0.391        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@0  | 23.00                 | 25.96          | 0.394        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@2  | 22.65                 | 25.61          | 0.364        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@5  | 22.48                 | 25.44          | 0.350        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 3@0  | 23.05                 | 26.01          | 0.399        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 3@1  | 23.83                 | 26.79          | 0.478        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 3@2  | 23.68                 | 26.64          | 0.461        | 30                    | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 6@0  | 22.21                 | 25.17          | 0.329        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | QPSK       | 1@0  | 23.26                 | 26.22          | 0.419        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | QPSK       | 1@2  | 22.44                 | 25.40          | 0.347        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | QPSK       | 1@5  | 22.72                 | 25.68          | 0.370        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | QPSK       | 3@0  | 22.53                 | 25.49          | 0.354        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | QPSK       | 3@1  | 22.55                 | 25.51          | 0.356        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | QPSK       | 3@2  | 22.00                 | 24.96          | 0.313        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | QPSK       | 6@0  | 23.37                 | 26.33          | 0.430        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | 16QAM      | 1@0  | 22.11                 | 25.07          | 0.321        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | 16QAM      | 1@2  | 23.79                 | 26.75          | 0.473        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | 16QAM      | 1@5  | 22.84                 | 25.80          | 0.380        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | 16QAM      | 3@0  | 22.47                 | 25.43          | 0.349        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | 16QAM      | 3@1  | 21.85                 | 24.81          | 0.303        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | 16QAM      | 3@2  | 22.80                 | 25.76          | 0.377        | 30                    | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | 16QAM      | 6@0  | 22.73                 | 25.69          | 0.371        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@0  | 22.31                 | 25.27          | 0.337        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@2  | 22.20                 | 25.16          | 0.328        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@5  | 23.12                 | 26.08          | 0.406        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 3@0  | 22.78                 | 25.74          | 0.375        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 3@1  | 21.81                 | 24.77          | 0.300        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 3@2  | 22.73                 | 25.69          | 0.371        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 6@0  | 23.28                 | 26.24          | 0.421        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@0  | 22.33                 | 25.29          | 0.338        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@2  | 21.98                 | 24.94          | 0.312        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@5  | 23.05                 | 26.01          | 0.399        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 3@0  | 22.01                 | 24.97          | 0.314        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 3@1  | 22.65                 | 25.61          | 0.364        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 3@2  | 22.10                 | 25.06          | 0.321        | 30                    | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 6@0  | 21.02                 | 23.98          | 0.250        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@0  | 22.26                 | 25.22          | 0.333        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@7  | 21.79                 | 24.75          | 0.299        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@14 | 22.69                 | 25.65          | 0.367        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 8@0  | 21.38                 | 24.34          | 0.272        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 8@4  | 22.66                 | 25.62          | 0.365        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 8@7  | 22.86                 | 25.82          | 0.382        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 15@0 | 22.87                 | 25.83          | 0.383        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@0  | 21.77                 | 24.73          | 0.297        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@7  | 21.59                 | 24.55          | 0.285        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@14 | 22.96                 | 25.92          | 0.391        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 8@0  | 22.20                 | 25.16          | 0.328        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 8@4  | 22.98                 | 25.94          | 0.393        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 8@7  | 22.73                 | 25.69          | 0.371        | 30                    | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 15@0 | 21.34                 | 24.30          | 0.269        | 30                    | PASS    |
| 4    | 3.0             | 20175   | 1732.5     | QPSK       | 1@0  | 22.04                 | 25.00          | 0.316        | 30                    | PASS    |
| 4    | 3.0             | 20175   | 1732.5     | QPSK       | 1@7  | 22.39                 | 25.35          | 0.343        | 30                    | PASS    |
| 4    | 3.0             | 20175   | 1732.5     | QPSK       | 1@14 | 23.28                 | 26.24          | 0.421        | 30                    | PASS    |
| 4    | 3.0             | 20175   | 1732.5     | QPSK       | 8@0  | 22.19                 | 25.15          | 0.327        | 30                    | PASS    |
| 4    | 3.0             | 20175   | 1732.5     | QPSK       | 8@4  | 23.08                 | 26.04          | 0.402        | 30                    | PASS    |

|   |      |       |        |       |       |       |       |       |    |      |
|---|------|-------|--------|-------|-------|-------|-------|-------|----|------|
| 4 | 3.0  | 20175 | 1732.5 | QPSK  | 8@7   | 23.08 | 26.04 | 0.402 | 30 | PASS |
| 4 | 3.0  | 20175 | 1732.5 | QPSK  | 15@0  | 23.42 | 26.38 | 0.435 | 30 | PASS |
| 4 | 3.0  | 20175 | 1732.5 | 16QAM | 1@0   | 22.81 | 25.77 | 0.378 | 30 | PASS |
| 4 | 3.0  | 20175 | 1732.5 | 16QAM | 1@7   | 23.88 | 26.84 | 0.483 | 30 | PASS |
| 4 | 3.0  | 20175 | 1732.5 | 16QAM | 1@14  | 23.16 | 26.12 | 0.409 | 30 | PASS |
| 4 | 3.0  | 20175 | 1732.5 | 16QAM | 8@0   | 23.19 | 26.15 | 0.412 | 30 | PASS |
| 4 | 3.0  | 20175 | 1732.5 | 16QAM | 8@4   | 23.34 | 26.30 | 0.427 | 30 | PASS |
| 4 | 3.0  | 20175 | 1732.5 | 16QAM | 8@7   | 21.88 | 24.84 | 0.305 | 30 | PASS |
| 4 | 3.0  | 20175 | 1732.5 | 16QAM | 15@0  | 21.70 | 24.66 | 0.292 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | QPSK  | 1@0   | 22.67 | 25.63 | 0.366 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | QPSK  | 1@7   | 21.92 | 24.88 | 0.308 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | QPSK  | 1@14  | 23.52 | 26.48 | 0.445 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | QPSK  | 8@0   | 23.22 | 26.18 | 0.415 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | QPSK  | 8@4   | 23.09 | 26.05 | 0.403 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | QPSK  | 8@7   | 23.04 | 26.00 | 0.398 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | QPSK  | 15@0  | 21.74 | 24.70 | 0.295 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | 16QAM | 1@0   | 22.96 | 25.92 | 0.391 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | 16QAM | 1@7   | 21.86 | 24.82 | 0.303 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | 16QAM | 1@14  | 23.17 | 26.13 | 0.410 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | 16QAM | 8@0   | 22.41 | 25.37 | 0.344 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | 16QAM | 8@4   | 23.56 | 26.52 | 0.449 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | 16QAM | 8@7   | 22.98 | 25.94 | 0.393 | 30 | PASS |
| 4 | 3.0  | 20385 | 1753.5 | 16QAM | 15@0  | 22.96 | 25.92 | 0.391 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@0   | 22.28 | 25.24 | 0.334 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@12  | 23.27 | 26.23 | 0.420 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@24  | 23.33 | 26.29 | 0.426 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 12@0  | 23.05 | 26.01 | 0.399 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 12@6  | 21.78 | 24.74 | 0.298 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 12@11 | 22.20 | 25.16 | 0.328 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 25@0  | 22.76 | 25.72 | 0.373 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@0   | 22.64 | 25.60 | 0.363 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@12  | 22.36 | 25.32 | 0.340 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@24  | 23.22 | 26.18 | 0.415 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 12@0  | 21.72 | 24.68 | 0.294 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 12@6  | 22.59 | 25.55 | 0.359 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 12@11 | 23.26 | 26.22 | 0.419 | 30 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 25@0  | 22.50 | 25.46 | 0.352 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | QPSK  | 1@0   | 21.90 | 24.86 | 0.306 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | QPSK  | 1@12  | 22.91 | 25.87 | 0.386 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | QPSK  | 1@24  | 22.33 | 25.29 | 0.338 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | QPSK  | 12@0  | 22.15 | 25.11 | 0.324 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | QPSK  | 12@6  | 23.15 | 26.11 | 0.408 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | QPSK  | 12@11 | 22.19 | 25.15 | 0.327 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | QPSK  | 25@0  | 21.67 | 24.63 | 0.290 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | 16QAM | 1@0   | 23.87 | 26.83 | 0.482 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | 16QAM | 1@12  | 22.62 | 25.58 | 0.361 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | 16QAM | 1@24  | 22.44 | 25.40 | 0.347 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | 16QAM | 12@0  | 23.30 | 26.26 | 0.423 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | 16QAM | 12@6  | 23.52 | 26.48 | 0.445 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | 16QAM | 12@11 | 22.99 | 25.95 | 0.394 | 30 | PASS |
| 4 | 5.0  | 20175 | 1732.5 | 16QAM | 25@0  | 22.35 | 25.31 | 0.340 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@0   | 22.23 | 25.19 | 0.330 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@12  | 22.53 | 25.49 | 0.354 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@24  | 21.89 | 24.85 | 0.305 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 12@0  | 23.50 | 26.46 | 0.443 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 12@6  | 22.40 | 25.36 | 0.344 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 12@11 | 22.68 | 25.64 | 0.366 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 25@0  | 22.72 | 25.68 | 0.370 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@0   | 22.41 | 25.37 | 0.344 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@12  | 24.06 | 27.02 | 0.504 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@24  | 22.32 | 25.28 | 0.337 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 12@0  | 22.42 | 25.38 | 0.345 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 12@6  | 22.82 | 25.78 | 0.378 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 12@11 | 22.24 | 25.20 | 0.331 | 30 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 25@0  | 23.24 | 26.20 | 0.417 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@0   | 22.08 | 25.04 | 0.319 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@24  | 21.81 | 24.77 | 0.300 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@49  | 22.09 | 25.05 | 0.320 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 25@0  | 21.70 | 24.66 | 0.292 | 30 | PASS |

|   |      |       |        |       |       |       |       |       |    |      |
|---|------|-------|--------|-------|-------|-------|-------|-------|----|------|
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 25@12 | 22.32 | 25.28 | 0.337 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 25@24 | 23.37 | 26.33 | 0.430 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 50@0  | 23.84 | 26.80 | 0.479 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@0   | 21.14 | 24.10 | 0.257 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@24  | 22.97 | 25.93 | 0.392 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@49  | 22.66 | 25.62 | 0.365 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 25@0  | 22.58 | 25.54 | 0.358 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 25@12 | 23.09 | 26.05 | 0.403 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 25@24 | 23.84 | 26.80 | 0.479 | 30 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 50@0  | 23.94 | 26.90 | 0.490 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | QPSK  | 1@0   | 22.33 | 25.29 | 0.338 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | QPSK  | 1@24  | 22.44 | 25.40 | 0.347 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | QPSK  | 1@49  | 22.10 | 25.06 | 0.321 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | QPSK  | 25@0  | 23.31 | 26.27 | 0.424 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | QPSK  | 25@12 | 22.43 | 25.39 | 0.346 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | QPSK  | 25@24 | 23.10 | 26.06 | 0.404 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | QPSK  | 50@0  | 21.60 | 24.56 | 0.286 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | 16QAM | 1@0   | 22.93 | 25.89 | 0.388 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | 16QAM | 1@24  | 21.55 | 24.51 | 0.282 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | 16QAM | 1@49  | 23.45 | 26.41 | 0.438 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | 16QAM | 25@0  | 22.92 | 25.88 | 0.387 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | 16QAM | 25@12 | 22.27 | 25.23 | 0.333 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | 16QAM | 25@24 | 23.28 | 26.24 | 0.421 | 30 | PASS |
| 4 | 10.0 | 20175 | 1732.5 | 16QAM | 50@0  | 22.16 | 25.12 | 0.325 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@0   | 22.92 | 25.88 | 0.387 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@24  | 23.69 | 26.65 | 0.462 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@49  | 22.26 | 25.22 | 0.333 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 25@0  | 22.90 | 25.86 | 0.385 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 25@12 | 23.11 | 26.07 | 0.405 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 25@24 | 22.21 | 25.17 | 0.329 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 50@0  | 23.99 | 26.95 | 0.495 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@0   | 23.11 | 26.07 | 0.405 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@24  | 22.26 | 25.22 | 0.333 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@49  | 22.82 | 25.78 | 0.378 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 25@0  | 23.45 | 26.41 | 0.438 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 25@12 | 22.58 | 25.54 | 0.358 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 25@24 | 22.96 | 25.92 | 0.391 | 30 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 50@0  | 21.85 | 24.81 | 0.303 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@0   | 22.98 | 25.94 | 0.393 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@37  | 22.63 | 25.59 | 0.362 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@74  | 22.60 | 25.56 | 0.360 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 36@0  | 22.22 | 25.18 | 0.330 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 36@16 | 22.56 | 25.52 | 0.356 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 36@35 | 22.88 | 25.84 | 0.384 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 75@0  | 22.58 | 25.54 | 0.358 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@0   | 23.33 | 26.29 | 0.426 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@37  | 22.28 | 25.24 | 0.334 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@74  | 23.62 | 26.58 | 0.455 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 36@0  | 23.26 | 26.22 | 0.419 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 36@16 | 24.09 | 27.05 | 0.507 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 36@35 | 22.81 | 25.77 | 0.378 | 30 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 75@0  | 23.74 | 26.70 | 0.468 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | QPSK  | 1@0   | 21.72 | 24.68 | 0.294 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | QPSK  | 1@37  | 22.15 | 25.11 | 0.324 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | QPSK  | 1@74  | 22.72 | 25.68 | 0.370 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | QPSK  | 36@0  | 22.69 | 25.65 | 0.367 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | QPSK  | 36@16 | 23.77 | 26.73 | 0.471 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | QPSK  | 36@35 | 23.40 | 26.36 | 0.433 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | QPSK  | 75@0  | 22.57 | 25.53 | 0.357 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | 16QAM | 1@0   | 22.71 | 25.67 | 0.369 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | 16QAM | 1@37  | 22.26 | 25.22 | 0.333 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | 16QAM | 1@74  | 22.87 | 25.83 | 0.383 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | 16QAM | 36@0  | 23.75 | 26.71 | 0.469 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | 16QAM | 36@16 | 23.93 | 26.89 | 0.489 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | 16QAM | 36@35 | 21.42 | 24.38 | 0.274 | 30 | PASS |
| 4 | 15.0 | 20175 | 1732.5 | 16QAM | 75@0  | 23.24 | 26.20 | 0.417 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@0   | 23.38 | 26.34 | 0.431 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@37  | 22.70 | 25.66 | 0.368 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@74  | 23.73 | 26.69 | 0.467 | 30 | PASS |

|   |      |       |        |       |       |              |       |       |    |      |
|---|------|-------|--------|-------|-------|--------------|-------|-------|----|------|
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 36@0  | 21.91        | 24.87 | 0.307 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 36@16 | 21.98        | 24.94 | 0.312 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 36@35 | 22.34        | 25.30 | 0.339 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 75@0  | 22.64        | 25.60 | 0.363 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@0   | 23.81        | 26.77 | 0.475 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@37  | 23.64        | 26.60 | 0.457 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@74  | 23.19        | 26.15 | 0.412 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 36@0  | 22.76        | 25.72 | 0.373 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 36@16 | 22.74        | 25.70 | 0.372 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 36@35 | 22.38        | 25.34 | 0.342 | 30 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 75@0  | 22.86        | 25.82 | 0.382 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@0   | <b>25.28</b> | 28.24 | 0.667 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@49  | 23.03        | 25.99 | 0.397 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@99  | 22.56        | 25.52 | 0.356 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 50@0  | 23.66        | 26.62 | 0.459 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 50@24 | 23.49        | 26.45 | 0.442 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 50@49 | 24.17        | 27.13 | 0.516 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 100@0 | 21.13        | 24.09 | 0.256 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@0   | 21.54        | 24.50 | 0.282 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@49  | 21.36        | 24.32 | 0.270 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@99  | 21.97        | 24.93 | 0.311 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 50@0  | 20.61        | 23.57 | 0.228 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 50@24 | 21.03        | 23.99 | 0.251 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 50@49 | 22.69        | 25.65 | 0.367 | 30 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 100@0 | 21.69        | 24.65 | 0.292 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | QPSK  | 1@0   | 21.36        | 24.32 | 0.270 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | QPSK  | 1@49  | 23.87        | 26.83 | 0.482 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | QPSK  | 1@99  | 21.00        | 23.96 | 0.249 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | QPSK  | 50@0  | 21.64        | 24.60 | 0.288 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | QPSK  | 50@24 | 21.36        | 24.32 | 0.270 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | QPSK  | 50@49 | 22.26        | 25.22 | 0.333 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | QPSK  | 100@0 | 23.20        | 26.16 | 0.413 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | 16QAM | 1@0   | 21.82        | 24.78 | 0.301 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | 16QAM | 1@49  | 22.58        | 25.54 | 0.358 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | 16QAM | 1@99  | 21.56        | 24.52 | 0.283 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | 16QAM | 50@0  | 22.36        | 25.32 | 0.340 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | 16QAM | 50@24 | 21.16        | 24.12 | 0.258 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | 16QAM | 50@49 | 21.58        | 24.54 | 0.284 | 30 | PASS |
| 4 | 20.0 | 20175 | 1732.5 | 16QAM | 100@0 | 22.09        | 25.05 | 0.320 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@0   | 22.49        | 25.45 | 0.351 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@49  | 21.79        | 24.75 | 0.299 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@99  | 21.66        | 24.62 | 0.290 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 50@0  | 21.51        | 24.47 | 0.280 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 50@24 | 21.26        | 24.22 | 0.264 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 50@49 | 22.72        | 25.68 | 0.370 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 100@0 | 22.20        | 25.16 | 0.328 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@0   | <b>24.42</b> | 27.38 | 0.547 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@49  | 23.01        | 25.97 | 0.395 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@99  | 22.70        | 25.66 | 0.368 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 50@0  | 21.62        | 24.58 | 0.287 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 50@24 | 22.62        | 25.58 | 0.361 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 50@49 | 22.70        | 25.66 | 0.368 | 30 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 100@0 | 23.40        | 26.36 | 0.433 | 30 | PASS |

EIRP= Conducted Power + ANT Gain, Gain=2.96dBi

## 2. Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band4   | 1.4MHz    | QPSK       | 19957   | 6RB#0        | VL            | NT               | 0.03652         | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 19957   | 6RB#0        | VN            | NT               | 0.00369         | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 19957   | 6RB#0        | VH            | NT               | -0.03700        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20175   | 6RB#0        | VL            | NT               | -0.04282        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20175   | 6RB#0        | VN            | NT               | -0.00344        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20175   | 6RB#0        | VH            | NT               | 0.03568         | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20393   | 6RB#0        | VL            | NT               | -0.00587        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20393   | 6RB#0        | VN            | NT               | -0.04713        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | QPSK       | 20393   | 6RB#0        | VH            | NT               | -0.02425        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 19957   | 6RB#0        | VL            | NT               | -0.00647        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 19957   | 6RB#0        | VN            | NT               | 0.01795         | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 19957   | 6RB#0        | VH            | NT               | 0.03037         | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20175   | 6RB#0        | VL            | NT               | -0.04725        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20175   | 6RB#0        | VN            | NT               | 0.03553         | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20175   | 6RB#0        | VH            | NT               | 0.03314         | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20393   | 6RB#0        | VL            | NT               | 0.00648         | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20393   | 6RB#0        | VN            | NT               | -0.04230        | ±2.5        | PASS    |
| Band4   | 1.4MHz    | 16QAM      | 20393   | 6RB#0        | VH            | NT               | 0.01509         | ±2.5        | PASS    |
| Band4   | 3MHz      | QPSK       | 19965   | 15RB#0       | VL            | NT               | 0.00548         | ±2.5        | PASS    |
| Band4   | 3MHz      | QPSK       | 19965   | 15RB#0       | VN            | NT               | -0.01142        | ±2.5        | PASS    |
| Band4   | 3MHz      | QPSK       | 19965   | 15RB#0       | VH            | NT               | 0.03709         | ±2.5        | PASS    |
| Band4   | 3MHz      | QPSK       | 20175   | 15RB#0       | VL            | NT               | -0.00119        | ±2.5        | PASS    |
| Band4   | 3MHz      | QPSK       | 20175   | 15RB#0       | VN            | NT               | 0.00788         | ±2.5        | PASS    |
| Band4   | 3MHz      | QPSK       | 20175   | 15RB#0       | VH            | NT               | 0.03344         | ±2.5        | PASS    |
| Band4   | 3MHz      | QPSK       | 20385   | 15RB#0       | VL            | NT               | -0.02862        | ±2.5        | PASS    |
| Band4   | 3MHz      | QPSK       | 20385   | 15RB#0       | VN            | NT               | -0.04506        | ±2.5        | PASS    |
| Band4   | 3MHz      | QPSK       | 20385   | 15RB#0       | VH            | NT               | 0.00410         | ±2.5        | PASS    |
| Band4   | 3MHz      | 16QAM      | 19965   | 15RB#0       | VL            | NT               | 0.04873         | ±2.5        | PASS    |
| Band4   | 3MHz      | 16QAM      | 19965   | 15RB#0       | VN            | NT               | 0.01903         | ±2.5        | PASS    |
| Band4   | 3MHz      | 16QAM      | 19965   | 15RB#0       | VH            | NT               | 0.00859         | ±2.5        | PASS    |
| Band4   | 3MHz      | 16QAM      | 20175   | 15RB#0       | VL            | NT               | -0.04118        | ±2.5        | PASS    |
| Band4   | 3MHz      | 16QAM      | 20175   | 15RB#0       | VN            | NT               | -0.01295        | ±2.5        | PASS    |
| Band4   | 3MHz      | 16QAM      | 20175   | 15RB#0       | VH            | NT               | -0.02811        | ±2.5        | PASS    |
| Band4   | 3MHz      | 16QAM      | 20385   | 15RB#0       | VL            | NT               | 0.04354         | ±2.5        | PASS    |
| Band4   | 3MHz      | 16QAM      | 20385   | 15RB#0       | VN            | NT               | -0.04891        | ±2.5        | PASS    |
| Band4   | 3MHz      | 16QAM      | 20385   | 15RB#0       | VH            | NT               | 0.01815         | ±2.5        | PASS    |
| Band4   | 5MHz      | QPSK       | 19975   | 25RB#0       | VL            | NT               | -0.00494        | ±2.5        | PASS    |

|       |       |       |       |        |    |    |          |      |      |
|-------|-------|-------|-------|--------|----|----|----------|------|------|
| Band4 | 5MHz  | QPSK  | 19975 | 25RB#0 | VN | NT | -0.04061 | ±2.5 | PASS |
| Band4 | 5MHz  | QPSK  | 19975 | 25RB#0 | VH | NT | 0.00473  | ±2.5 | PASS |
| Band4 | 5MHz  | QPSK  | 20175 | 25RB#0 | VL | NT | 0.02095  | ±2.5 | PASS |
| Band4 | 5MHz  | QPSK  | 20175 | 25RB#0 | VN | NT | 0.00914  | ±2.5 | PASS |
| Band4 | 5MHz  | QPSK  | 20175 | 25RB#0 | VH | NT | 0.02313  | ±2.5 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 25RB#0 | VL | NT | -0.02033 | ±2.5 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 25RB#0 | VN | NT | -0.03363 | ±2.5 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 25RB#0 | VH | NT | 0.00368  | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 19975 | 25RB#0 | VL | NT | -0.02342 | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 19975 | 25RB#0 | VN | NT | 0.04349  | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 19975 | 25RB#0 | VH | NT | 0.01824  | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 25RB#0 | VL | NT | -0.02908 | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 25RB#0 | VN | NT | -0.04800 | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 25RB#0 | VH | NT | -0.04466 | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0 | VL | NT | 0.04116  | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0 | VN | NT | -0.02570 | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0 | VH | NT | -0.03192 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0 | VL | NT | 0.00648  | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0 | VN | NT | 0.00783  | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0 | VH | NT | 0.02430  | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0 | VL | NT | 0.01505  | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0 | VN | NT | 0.03565  | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0 | VH | NT | -0.02094 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0 | VL | NT | -0.01495 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0 | VN | NT | 0.00632  | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0 | VH | NT | 0.03477  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | VL | NT | 0.02829  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | VN | NT | -0.03081 | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | VH | NT | 0.04938  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | VL | NT | 0.01208  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | VN | NT | -0.01788 | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | VH | NT | 0.01367  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | VL | NT | 0.01496  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | VN | NT | 0.04157  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | VH | NT | -0.04785 | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0 | VL | NT | 0.00459  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0 | VN | NT | 0.01813  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0 | VH | NT | -0.03946 | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0 | VL | NT | 0.00785  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0 | VN | NT | -0.02142 | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0 | VH | NT | -0.03219 | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0 | VL | NT | 0.03330  | ±2.5 | PASS |

|       |       |       |       |         |    |    |          |      |      |
|-------|-------|-------|-------|---------|----|----|----------|------|------|
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | VN | NT | 0.00830  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | VH | NT | -0.04964 | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | VL | NT | -0.02824 | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | VN | NT | 0.03406  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | VH | NT | 0.04580  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | VL | NT | 0.02086  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | VN | NT | -0.00353 | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | VH | NT | 0.03253  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | VL | NT | 0.02540  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | VN | NT | -0.03492 | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | VH | NT | 0.03395  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | VL | NT | -0.02382 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | VN | NT | -0.03995 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | VH | NT | -0.04141 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | VL | NT | 0.04762  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | VN | NT | -0.02482 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | VH | NT | -0.03630 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | VL | NT | -0.03747 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | VN | NT | -0.01024 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | VH | NT | 0.04173  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | VL | NT | -0.03306 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | VN | NT | 0.00174  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | VH | NT | -0.02296 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | VL | NT | -0.00105 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | VN | NT | 0.02778  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | VH | NT | -0.04448 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | VL | NT | -0.01461 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | VN | NT | 0.00344  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | VH | NT | -0.02138 | ±2.5 | PASS |

**Temperature**

| Band  | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|-----------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0        | NV            | -30              | -0.02765        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0        | NV            | -20              | -0.02596        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0        | NV            | 0                | -0.02626        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0        | NV            | 10               | 0.01957         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0        | NV            | 20               | -0.02515        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0        | NV            | -30              | -0.03362        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0        | NV            | -20              | -0.00916        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0        | NV            | 0                | -0.01270        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0        | NV            | 10               | -0.00460        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0        | NV            | 20               | 0.04633         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0        | NV            | -30              | -0.03354        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0        | NV            | -20              | 0.02278         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0        | NV            | 0                | 0.00553         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0        | NV            | 10               | -0.00311        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0        | NV            | 20               | -0.02725        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0        | NV            | -30              | 0.00319         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0        | NV            | -20              | 0.01467         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0        | NV            | 0                | 0.00955         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0        | NV            | 10               | -0.04991        | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0        | NV            | 20               | 0.02379         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0        | NV            | -30              | 0.01515         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0        | NV            | -20              | 0.04963         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0        | NV            | 0                | 0.01948         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0        | NV            | 10               | 0.00042         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0        | NV            | 20               | 0.01540         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0        | NV            | -30              | 0.03046         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0        | NV            | -20              | 0.00127         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0        | NV            | 0                | 0.03363         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0        | NV            | 10               | 0.03117         | ±2.5        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0        | NV            | 20               | 0.04689         | ±2.5        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0       | NV            | -30              | -0.02585        | ±2.5        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0       | NV            | -20              | -0.03949        | ±2.5        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0       | NV            | 0                | -0.00491        | ±2.5        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0       | NV            | 10               | 0.02967         | ±2.5        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0       | NV            | 20               | 0.04656         | ±2.5        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0       | NV            | -30              | -0.00677        | ±2.5        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0       | NV            | -20              | -0.01512        | ±2.5        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0       | NV            | 0                | -0.01298        | ±2.5        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0       | NV            | 10               | -0.00372        | ±2.5        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0       | NV            | 20               | -0.00142        | ±2.5        | PASS    |

|       |      |       |       |        |    |     |          |      |      |
|-------|------|-------|-------|--------|----|-----|----------|------|------|
| Band4 | 3MHz | QPSK  | 20385 | 15RB#0 | NV | -30 | 0.00531  | ±2.5 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 15RB#0 | NV | -20 | -0.03709 | ±2.5 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 15RB#0 | NV | 0   | -0.04371 | ±2.5 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 15RB#0 | NV | 10  | -0.00517 | ±2.5 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 15RB#0 | NV | 20  | -0.00315 | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | NV | -30 | 0.01498  | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | NV | -20 | -0.04148 | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | NV | 0   | 0.00990  | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | NV | 10  | -0.01964 | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | NV | 20  | 0.01969  | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | NV | -30 | -0.04444 | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | NV | -20 | -0.03892 | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | NV | 0   | -0.02572 | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | NV | 10  | -0.02903 | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | NV | 20  | 0.00508  | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | NV | -30 | 0.01355  | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | NV | -20 | 0.02722  | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | NV | 0   | 0.03652  | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | NV | 10  | 0.02765  | ±2.5 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | NV | 20  | 0.03130  | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 25RB#0 | NV | -30 | -0.03350 | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 25RB#0 | NV | -20 | 0.01242  | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 25RB#0 | NV | 0   | 0.04343  | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 25RB#0 | NV | 10  | -0.04875 | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 25RB#0 | NV | 20  | 0.00065  | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 25RB#0 | NV | -30 | -0.00850 | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 25RB#0 | NV | -20 | 0.00749  | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 25RB#0 | NV | 0   | -0.02028 | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 25RB#0 | NV | 10  | -0.04997 | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 25RB#0 | NV | 20  | -0.01552 | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 25RB#0 | NV | -30 | -0.04958 | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 25RB#0 | NV | -20 | -0.03646 | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 25RB#0 | NV | 0   | -0.02011 | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 25RB#0 | NV | 10  | 0.04197  | ±2.5 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 25RB#0 | NV | 20  | -0.04596 | ±2.5 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | NV | -30 | -0.04650 | ±2.5 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | NV | -20 | -0.03807 | ±2.5 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | NV | 0   | -0.04939 | ±2.5 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | NV | 10  | 0.04272  | ±2.5 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | NV | 20  | -0.02914 | ±2.5 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | NV | -30 | -0.02099 | ±2.5 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | NV | -20 | 0.04062  | ±2.5 | PASS |

|       |       |       |       |        |    |     |          |      |      |
|-------|-------|-------|-------|--------|----|-----|----------|------|------|
| Band4 | 5MHz  | 16QAM | 20175 | 25RB#0 | NV | 0   | -0.00605 | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 25RB#0 | NV | 10  | -0.02649 | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20175 | 25RB#0 | NV | 20  | -0.00236 | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0 | NV | -30 | -0.02392 | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0 | NV | -20 | 0.03933  | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0 | NV | 0   | -0.03613 | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0 | NV | 10  | 0.01272  | ±2.5 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0 | NV | 20  | -0.01699 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0 | NV | -30 | -0.01251 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0 | NV | -20 | -0.01309 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0 | NV | 0   | 0.03622  | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0 | NV | 10  | -0.04024 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0 | NV | 20  | 0.04621  | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0 | NV | -30 | -0.03339 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0 | NV | -20 | -0.02867 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0 | NV | 0   | -0.02110 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0 | NV | 10  | -0.02461 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0 | NV | 20  | -0.01798 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0 | NV | -30 | -0.02575 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0 | NV | -20 | 0.03351  | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0 | NV | 0   | -0.01484 | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0 | NV | 10  | 0.03951  | ±2.5 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0 | NV | 20  | -0.01674 | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | NV | -30 | 0.02155  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | NV | -20 | 0.02323  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | NV | 0   | 0.04399  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | NV | 10  | 0.03339  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | NV | 20  | -0.03158 | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | NV | -30 | 0.01442  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | NV | -20 | -0.04423 | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | NV | 0   | -0.04073 | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | NV | 10  | 0.03999  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | NV | 20  | -0.03707 | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | NV | -30 | 0.00314  | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | NV | -20 | -0.00783 | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | NV | 0   | -0.04951 | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | NV | 10  | -0.02612 | ±2.5 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | NV | 20  | 0.04934  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0 | NV | -30 | 0.04710  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0 | NV | -20 | 0.01138  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0 | NV | 0   | -0.03236 | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0 | NV | 10  | 0.03746  | ±2.5 | PASS |

|       |       |       |       |         |    |     |          |      |      |
|-------|-------|-------|-------|---------|----|-----|----------|------|------|
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0  | NV | 20  | 0.01808  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | NV | -30 | 0.04213  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | NV | -20 | 0.04820  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | NV | 0   | 0.04878  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | NV | 10  | 0.03806  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | NV | 20  | -0.04579 | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | NV | -30 | -0.00994 | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | NV | -20 | 0.02478  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | NV | 0   | 0.00191  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | NV | 10  | 0.04002  | ±2.5 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | NV | 20  | 0.02706  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | NV | -30 | 0.01647  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | NV | -20 | 0.00193  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | NV | 0   | -0.02344 | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | NV | 10  | 0.04508  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | NV | 20  | 0.00644  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | NV | -30 | -0.03339 | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | NV | -20 | 0.00627  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | NV | 0   | 0.01107  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | NV | 10  | 0.01036  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | NV | 20  | 0.04641  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | NV | -30 | -0.01565 | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | NV | -20 | -0.01480 | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | NV | 0   | -0.02656 | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | NV | 10  | 0.04027  | ±2.5 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | NV | 20  | -0.04898 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | NV | -30 | -0.04579 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | NV | -20 | 0.01168  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | NV | 0   | 0.04781  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | NV | 10  | 0.02934  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | NV | 20  | -0.04186 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | NV | -30 | 0.01462  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | NV | -20 | -0.04446 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | NV | 0   | -0.02790 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | NV | 10  | -0.04400 | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | NV | 20  | 0.04336  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | NV | -30 | 0.01829  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | NV | -20 | 0.01797  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | NV | 0   | 0.03836  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | NV | 10  | 0.03435  | ±2.5 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | NV | 20  | 0.00323  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | NV | -30 | 0.01852  | ±2.5 | PASS |

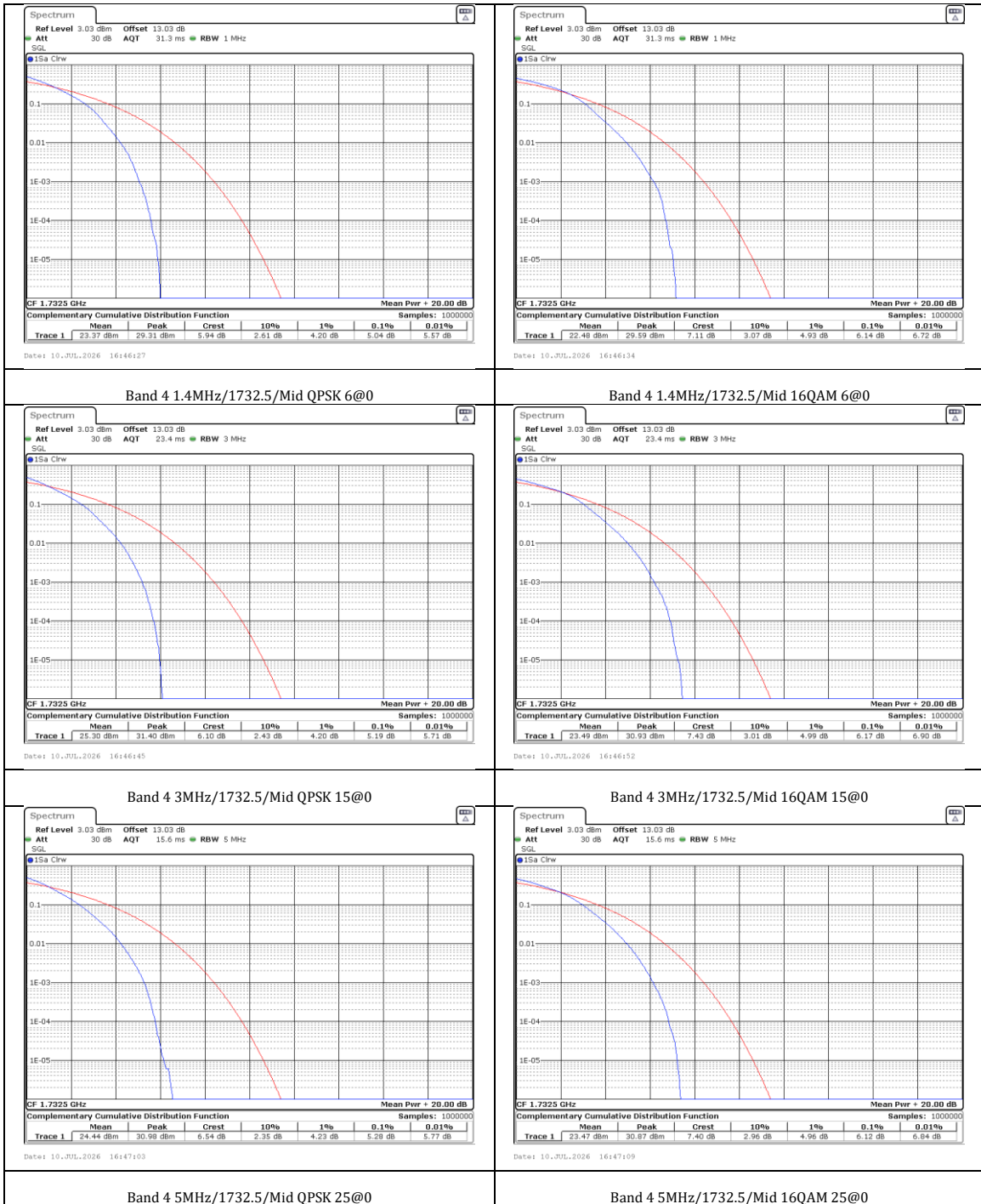
|       |       |       |       |         |    |     |          |      |      |
|-------|-------|-------|-------|---------|----|-----|----------|------|------|
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | NV | -20 | -0.02881 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | NV | 0   | 0.00233  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | NV | 10  | 0.04777  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | NV | 20  | 0.03887  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | NV | -30 | -0.02434 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | NV | -20 | -0.02363 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | NV | 0   | -0.02012 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | NV | 10  | -0.02524 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | NV | 20  | -0.04875 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | NV | -30 | 0.00775  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | NV | -20 | 0.02923  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | NV | 0   | 0.00079  | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | NV | 10  | -0.00324 | ±2.5 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | NV | 20  | 0.02838  | ±2.5 | PASS |

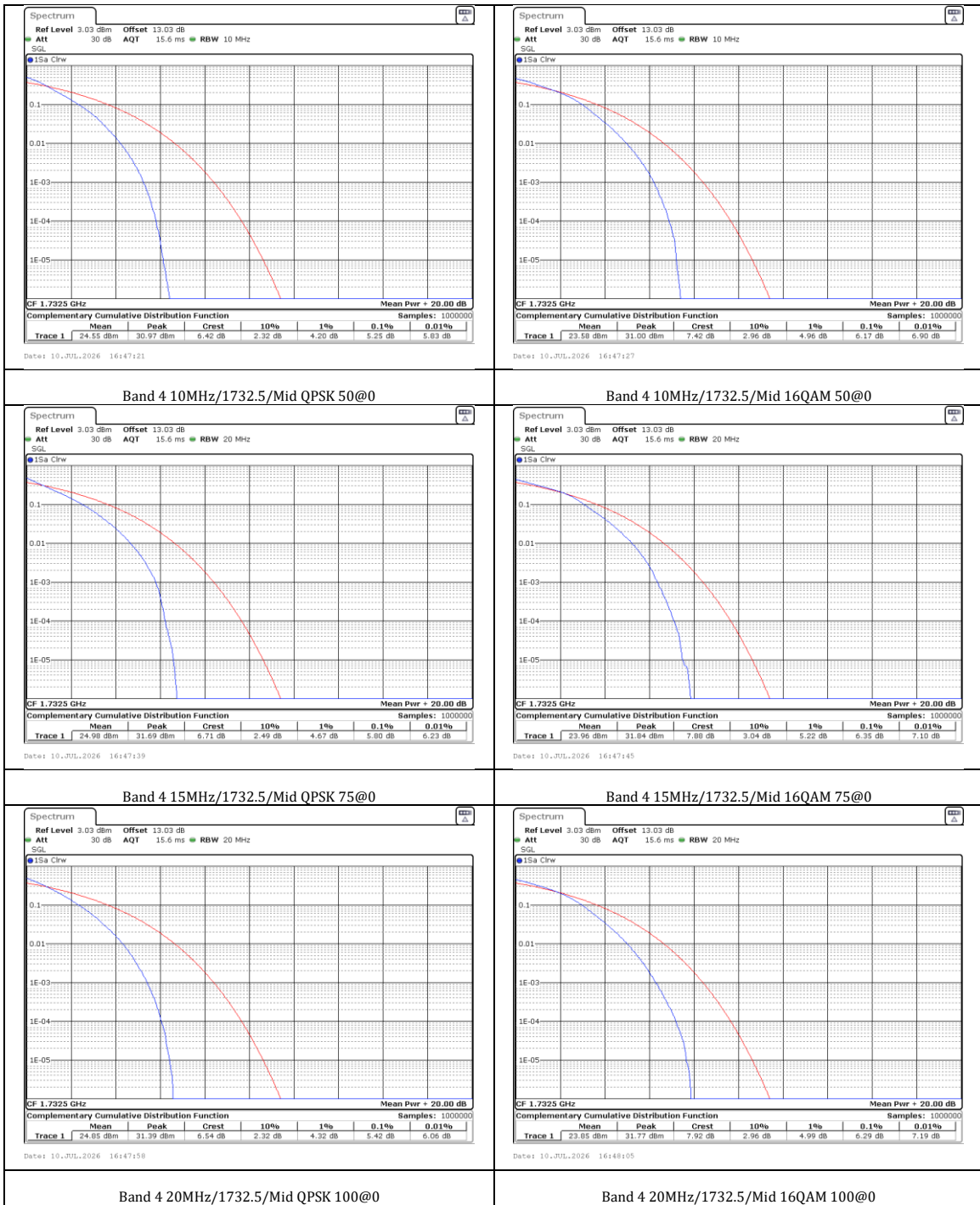
### 3. Peak to Average Ratio

#### Test Result

| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB    | Result (dB) | Limit (dB) | Verdict |
|------|-----------------|---------|------------|------------|-------|-------------|------------|---------|
| 4    | 1.4             | 20175   | 1732.5     | QPSK       | 6@0   | 5.04        | 13         | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | 16QAM      | 6@0   | 6.14        | 13         | PASS    |
| 4    | 3.0             | 20175   | 1732.5     | QPSK       | 15@0  | 5.19        | 13         | PASS    |
| 4    | 3.0             | 20175   | 1732.5     | 16QAM      | 15@0  | 6.17        | 13         | PASS    |
| 4    | 5.0             | 20175   | 1732.5     | QPSK       | 25@0  | 5.28        | 13         | PASS    |
| 4    | 5.0             | 20175   | 1732.5     | 16QAM      | 25@0  | 6.12        | 13         | PASS    |
| 4    | 10.0            | 20175   | 1732.5     | QPSK       | 50@0  | 5.25        | 13         | PASS    |
| 4    | 10.0            | 20175   | 1732.5     | 16QAM      | 50@0  | 6.17        | 13         | PASS    |
| 4    | 15.0            | 20175   | 1732.5     | QPSK       | 75@0  | 5.8         | 13         | PASS    |
| 4    | 15.0            | 20175   | 1732.5     | 16QAM      | 75@0  | 6.35        | 13         | PASS    |
| 4    | 20.0            | 20175   | 1732.5     | QPSK       | 100@0 | 5.42        | 13         | PASS    |
| 4    | 20.0            | 20175   | 1732.5     | 16QAM      | 100@0 | 6.29        | 13         | PASS    |

## Test Graphs





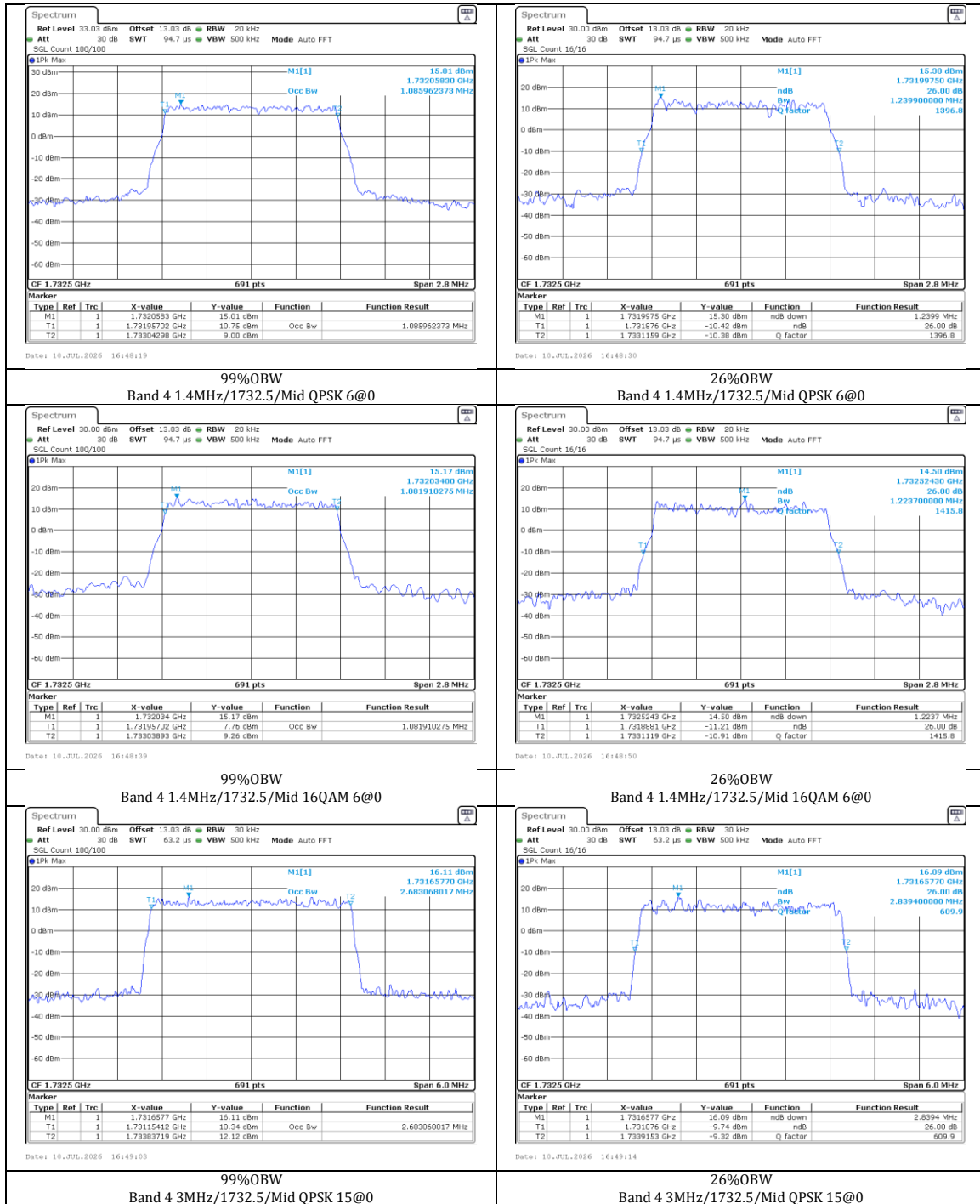
## 4. Occupied Bandwidth

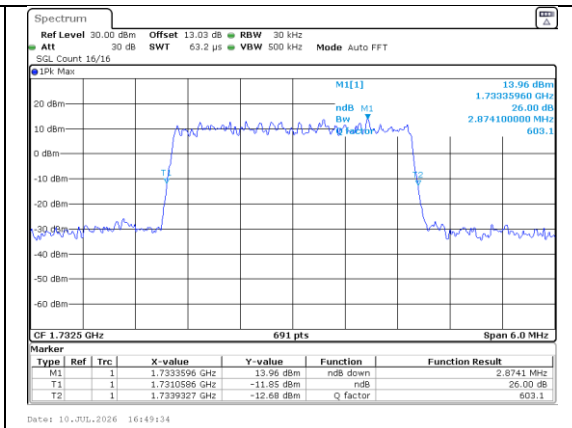
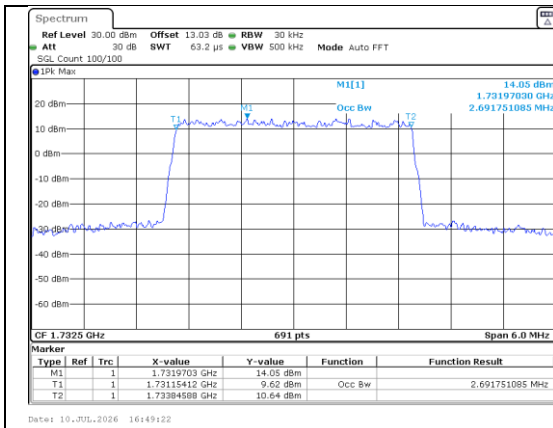
### Test Result

| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB    | OBW (MHz) | 26dB BW (MHz) | Verdict |
|------|-----------------|---------|------------|------------|-------|-----------|---------------|---------|
| 4    | 1.4             | 20175   | 1732.5     | QPSK       | 6@0   | 1.0860    | 1.240         | PASS    |
| 4    | 1.4             | 20175   | 1732.5     | 16QAM      | 6@0   | 1.0819    | 1.224         | PASS    |
| 4    | 3.0             | 20175   | 1732.5     | QPSK       | 15@0  | 2.6831    | 2.839         | PASS    |
| 4    | 3.0             | 20175   | 1732.5     | 16QAM      | 15@0  | 2.6918    | 2.874         | PASS    |
| 4    | 5.0             | 20175   | 1732.5     | QPSK       | 25@0  | 4.4863    | 4.761         | PASS    |
| 4    | 5.0             | 20175   | 1732.5     | 16QAM      | 25@0  | 4.4573    | 4.732         | PASS    |
| 4    | 10.0            | 20175   | 1732.5     | QPSK       | 50@0  | 8.9725    | 9.262         | PASS    |
| 4    | 10.0            | 20175   | 1732.5     | 16QAM      | 50@0  | 8.9146    | 9.349         | PASS    |
| 4    | 15.0            | 20175   | 1732.5     | QPSK       | 75@0  | 13.415    | 14.02         | PASS    |
| 4    | 15.0            | 20175   | 1732.5     | 16QAM      | 75@0  | 13.459    | 14.11         | PASS    |
| 4    | 20.0            | 20175   | 1732.5     | QPSK       | 100@0 | 17.887    | 18.81         | PASS    |
| 4    | 20.0            | 20175   | 1732.5     | 16QAM      | 100@0 | 17.887    | 18.70         | PASS    |

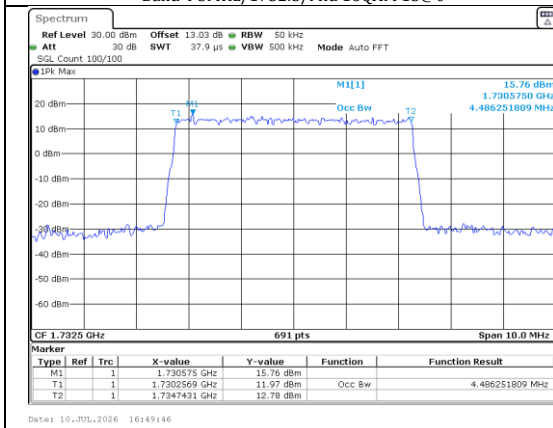
Note: All bandwidth channels have been tested, and only the data from the worst channels is shown.

## Test Graphs

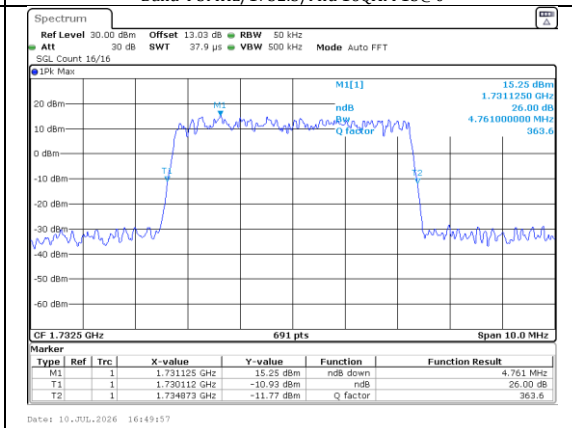




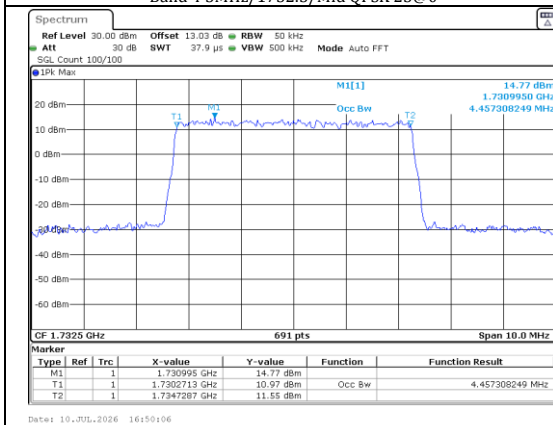
99%OBW  
Band 4 3MHz/1732.5/Mid 16QAM 15@0



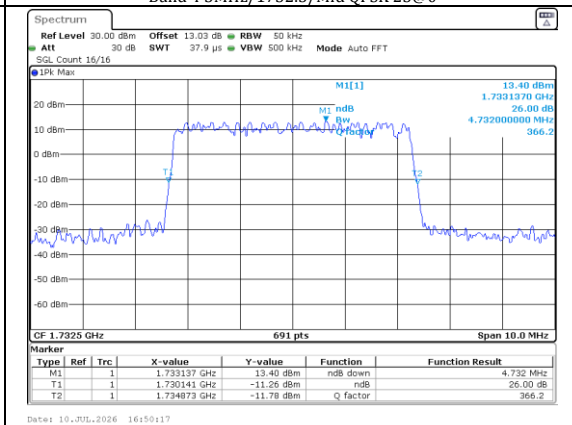
26%OBW  
Band 4 3MHz/1732.5/Mid 16QAM 15@0



99%OBW  
Band 4 5MHz/1732.5/Mid QPSK 25@0

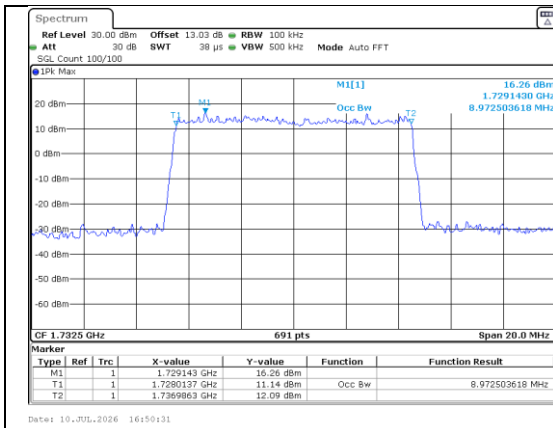


26%OBW  
Band 4 5MHz/1732.5/Mid QPSK 25@0

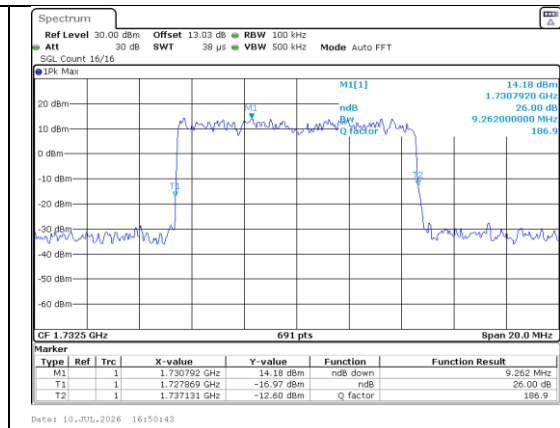


99%OBW  
Band 4 5MHz/1732.5/Mid 16QAM 25@0

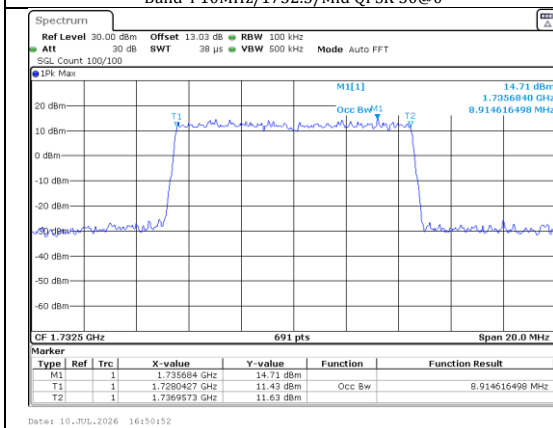
26%OBW  
Band 4 5MHz/1732.5/Mid 16QAM 25@0



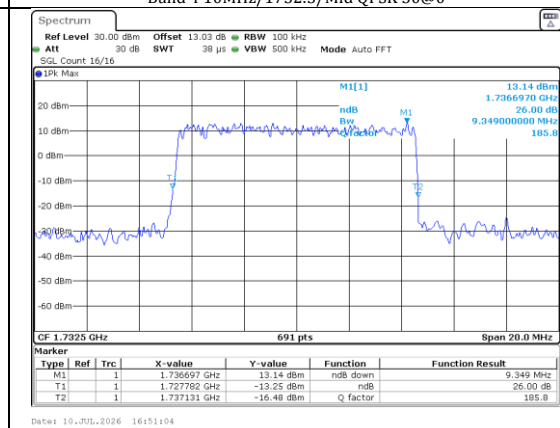
99%OBW  
Band 4 10MHz/1732.5/Mid QPSK 50@0



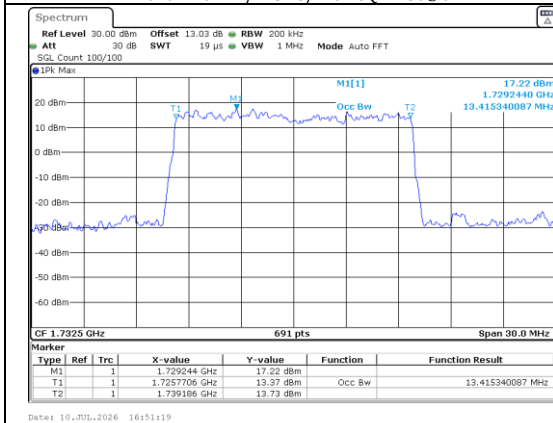
26%OBW  
Band 4 10MHz/1732.5/Mid QPSK 50@0



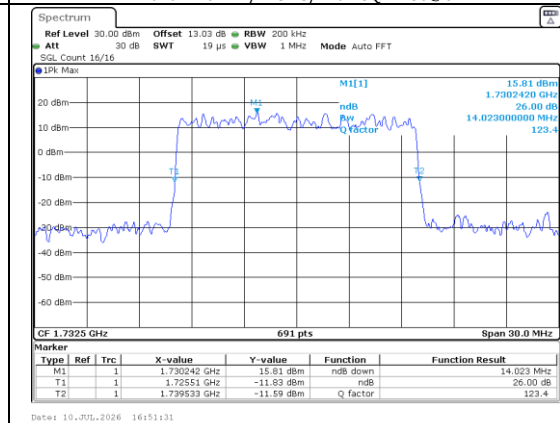
99%OBW  
Band 4 10MHz/1732.5/Mid 16QAM 50@0



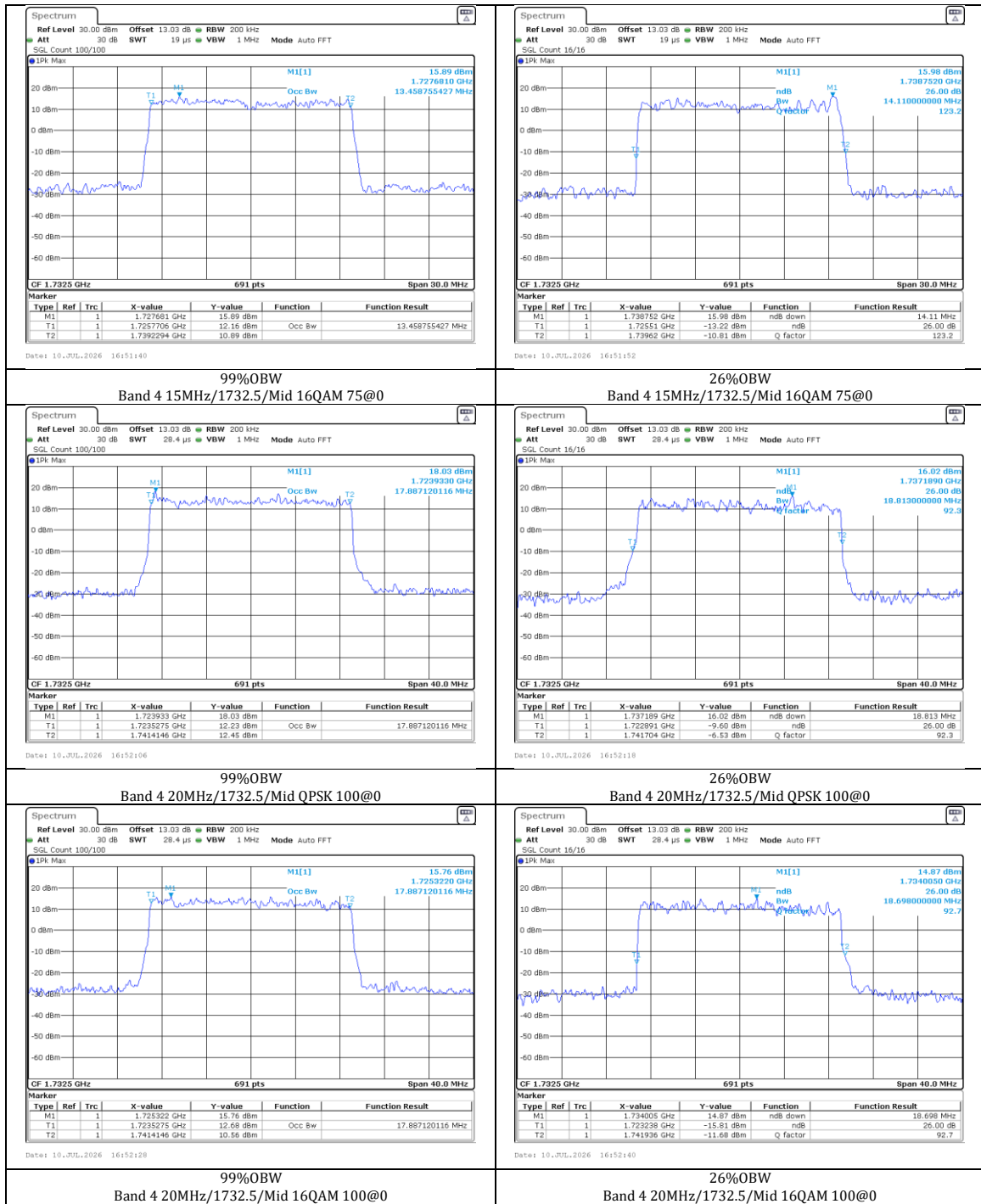
26%OBW  
Band 4 10MHz/1732.5/Mid 16QAM 50@0



99%OBW  
Band 4 15MHz/1732.5/Mid QPSK 75@0



26%OBW  
Band 4 15MHz/1732.5/Mid QPSK 75@0



## 5. Conducted Spurious Emissions

### Test Result

| Band | Bandwidth (MHz) | Channel | Freq (MHz) | Modulation | RB  | StartFreq (MHz) | StopFreq (MHz) | Result (dBm) | Limit (dBm) | Verdict |
|------|-----------------|---------|------------|------------|-----|-----------------|----------------|--------------|-------------|---------|
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@0 | 30              | 1000           | -37.59       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@0 | 1000            | 4000           | -23.68       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@0 | 4000            | 7000           | -29.96       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@0 | 7000            | 10000          | -36.49       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@0 | 10000           | 13000          | -34.98       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@0 | 13000           | 16000          | -33.03       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@0 | 16000           | 19000          | -30.13       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | QPSK       | 1@0 | 19000           | 20000          | -27.56       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@0 | 30              | 1000           | -38.23       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@0 | 1000            | 4000           | -23.79       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@0 | 4000            | 7000           | -30.27       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@0 | 7000            | 10000          | -36.38       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@0 | 10000           | 13000          | -33.77       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@0 | 13000           | 16000          | -32.35       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@0 | 16000           | 19000          | -31.09       | -13         | PASS    |
| 4    | 1.4             | 19957   | 1710.7     | 16QAM      | 1@0 | 19000           | 20000          | -27.44       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@0 | 30              | 1000           | -38.08       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@0 | 1000            | 4000           | -24.21       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@0 | 4000            | 7000           | -30.44       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@0 | 7000            | 10000          | -36.44       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@0 | 10000           | 13000          | -34.64       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@0 | 13000           | 16000          | -32.47       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@0 | 16000           | 19000          | -30.42       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | QPSK       | 1@0 | 19000           | 20000          | -27.47       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@0 | 30              | 1000           | -38.39       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@0 | 1000            | 4000           | -23.85       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@0 | 4000            | 7000           | -30.17       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@0 | 7000            | 10000          | -36.49       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@0 | 10000           | 13000          | -33.87       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@0 | 13000           | 16000          | -32.41       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@0 | 16000           | 19000          | -30.62       | -13         | PASS    |
| 4    | 1.4             | 20393   | 1754.3     | 16QAM      | 1@0 | 19000           | 20000          | -27.2        | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@0 | 30              | 1000           | -38.21       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@0 | 1000            | 4000           | -23.79       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@0 | 4000            | 7000           | -30.16       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@0 | 7000            | 10000          | -35.44       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@0 | 10000           | 13000          | -34.56       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@0 | 13000           | 16000          | -32.16       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@0 | 16000           | 19000          | -31.03       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | QPSK       | 1@0 | 19000           | 20000          | -27.48       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@0 | 30              | 1000           | -37.23       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@0 | 1000            | 4000           | -24.59       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@0 | 4000            | 7000           | -30.27       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@0 | 7000            | 10000          | -36.68       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@0 | 10000           | 13000          | -33.83       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@0 | 13000           | 16000          | -32.42       | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@0 | 16000           | 19000          | -30.7        | -13         | PASS    |
| 4    | 3.0             | 19965   | 1711.5     | 16QAM      | 1@0 | 19000           | 20000          | -27.53       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | QPSK       | 1@0 | 30              | 1000           | -38.11       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | QPSK       | 1@0 | 1000            | 4000           | -23.77       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | QPSK       | 1@0 | 4000            | 7000           | -29.35       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | QPSK       | 1@0 | 7000            | 10000          | -34.86       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | QPSK       | 1@0 | 10000           | 13000          | -34.91       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | QPSK       | 1@0 | 13000           | 16000          | -31.74       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | QPSK       | 1@0 | 16000           | 19000          | -31.09       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | QPSK       | 1@0 | 19000           | 20000          | -27.13       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | 16QAM      | 1@0 | 30              | 1000           | -37.71       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | 16QAM      | 1@0 | 1000            | 4000           | -24.52       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | 16QAM      | 1@0 | 4000            | 7000           | -30.51       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | 16QAM      | 1@0 | 7000            | 10000          | -36.11       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | 16QAM      | 1@0 | 10000           | 13000          | -34.41       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | 16QAM      | 1@0 | 13000           | 16000          | -32.17       | -13         | PASS    |
| 4    | 3.0             | 20385   | 1753.5     | 16QAM      | 1@0 | 16000           | 19000          | -31.36       | -13         | PASS    |

|   |      |       |        |       |     |       |       |        |     |      |
|---|------|-------|--------|-------|-----|-------|-------|--------|-----|------|
| 4 | 3.0  | 20385 | 1753.5 | 16QAM | 1@0 | 19000 | 20000 | -28.05 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@0 | 30    | 1000  | -37.99 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@0 | 1000  | 4000  | -23.34 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@0 | 4000  | 7000  | -30.17 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@0 | 7000  | 10000 | -36.21 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@0 | 10000 | 13000 | -34.6  | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@0 | 13000 | 16000 | -32.51 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@0 | 16000 | 19000 | -30.75 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | QPSK  | 1@0 | 19000 | 20000 | -27.78 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@0 | 30    | 1000  | -37.67 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@0 | 1000  | 4000  | -23.4  | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@0 | 4000  | 7000  | -30.36 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@0 | 7000  | 10000 | -36.55 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@0 | 10000 | 13000 | -33.74 | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@0 | 13000 | 16000 | -32.5  | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@0 | 16000 | 19000 | -30.7  | -13 | PASS |
| 4 | 5.0  | 19975 | 1712.5 | 16QAM | 1@0 | 19000 | 20000 | -26.82 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@0 | 30    | 1000  | -37.73 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@0 | 1000  | 4000  | -24.4  | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@0 | 4000  | 7000  | -29.4  | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@0 | 7000  | 10000 | -36.39 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@0 | 10000 | 13000 | -34.37 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@0 | 13000 | 16000 | -32.72 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@0 | 16000 | 19000 | -30.84 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | QPSK  | 1@0 | 19000 | 20000 | -27.31 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@0 | 30    | 1000  | -38.02 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@0 | 1000  | 4000  | -23.98 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@0 | 4000  | 7000  | -30.49 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@0 | 7000  | 10000 | -36.23 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@0 | 10000 | 13000 | -34.65 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@0 | 13000 | 16000 | -32.05 | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@0 | 16000 | 19000 | -31.0  | -13 | PASS |
| 4 | 5.0  | 20375 | 1752.5 | 16QAM | 1@0 | 19000 | 20000 | -27.56 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@0 | 30    | 1000  | -38.11 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@0 | 1000  | 4000  | -24.44 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@0 | 4000  | 7000  | -30.04 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@0 | 7000  | 10000 | -36.09 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@0 | 10000 | 13000 | -34.82 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@0 | 13000 | 16000 | -31.74 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@0 | 16000 | 19000 | -31.0  | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | QPSK  | 1@0 | 19000 | 20000 | -27.54 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@0 | 30    | 1000  | -38.3  | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@0 | 1000  | 4000  | -24.37 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@0 | 4000  | 7000  | -30.48 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@0 | 7000  | 10000 | -36.42 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@0 | 10000 | 13000 | -34.2  | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@0 | 13000 | 16000 | -32.44 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@0 | 16000 | 19000 | -30.54 | -13 | PASS |
| 4 | 10.0 | 20000 | 1715.0 | 16QAM | 1@0 | 19000 | 20000 | -26.8  | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@0 | 30    | 1000  | -38.01 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@0 | 1000  | 4000  | -24.11 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@0 | 4000  | 7000  | -30.17 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@0 | 7000  | 10000 | -36.7  | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@0 | 10000 | 13000 | -34.58 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@0 | 13000 | 16000 | -32.48 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@0 | 16000 | 19000 | -30.1  | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | QPSK  | 1@0 | 19000 | 20000 | -26.44 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@0 | 30    | 1000  | -37.79 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@0 | 1000  | 4000  | -23.73 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@0 | 4000  | 7000  | -29.84 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@0 | 7000  | 10000 | -36.24 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@0 | 10000 | 13000 | -34.34 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@0 | 13000 | 16000 | -31.58 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@0 | 16000 | 19000 | -30.13 | -13 | PASS |
| 4 | 10.0 | 20350 | 1750.0 | 16QAM | 1@0 | 19000 | 20000 | -27.97 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@0 | 30    | 1000  | -37.69 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@0 | 1000  | 4000  | -23.97 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@0 | 4000  | 7000  | -29.72 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@0 | 7000  | 10000 | -36.67 | -13 | PASS |

|   |      |       |        |       |     |       |       |        |     |      |
|---|------|-------|--------|-------|-----|-------|-------|--------|-----|------|
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@0 | 10000 | 13000 | -34.47 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@0 | 13000 | 16000 | -32.13 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@0 | 16000 | 19000 | -30.82 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | QPSK  | 1@0 | 19000 | 20000 | -26.85 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@0 | 30    | 1000  | -38.12 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@0 | 1000  | 4000  | -24.79 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@0 | 4000  | 7000  | -30.39 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@0 | 7000  | 10000 | -36.31 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@0 | 10000 | 13000 | -33.88 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@0 | 13000 | 16000 | -32.22 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@0 | 16000 | 19000 | -30.75 | -13 | PASS |
| 4 | 15.0 | 20025 | 1717.5 | 16QAM | 1@0 | 19000 | 20000 | -26.78 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@0 | 30    | 1000  | -38.13 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@0 | 1000  | 4000  | -23.6  | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@0 | 4000  | 7000  | -29.54 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@0 | 7000  | 10000 | -36.01 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@0 | 10000 | 13000 | -34.41 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@0 | 13000 | 16000 | -32.51 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@0 | 16000 | 19000 | -30.32 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | QPSK  | 1@0 | 19000 | 20000 | -27.29 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@0 | 30    | 1000  | -37.91 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@0 | 1000  | 4000  | -24.44 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@0 | 4000  | 7000  | -30.34 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@0 | 7000  | 10000 | -35.72 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@0 | 10000 | 13000 | -34.18 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@0 | 13000 | 16000 | -32.29 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@0 | 16000 | 19000 | -30.69 | -13 | PASS |
| 4 | 15.0 | 20325 | 1747.5 | 16QAM | 1@0 | 19000 | 20000 | -26.62 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@0 | 30    | 1000  | -37.11 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@0 | 1000  | 4000  | -24.27 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@0 | 4000  | 7000  | -29.35 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@0 | 7000  | 10000 | -35.92 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@0 | 10000 | 13000 | -34.78 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@0 | 13000 | 16000 | -32.26 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@0 | 16000 | 19000 | -30.75 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | QPSK  | 1@0 | 19000 | 20000 | -27.0  | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@0 | 30    | 1000  | -37.71 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@0 | 1000  | 4000  | -24.37 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@0 | 4000  | 7000  | -29.92 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@0 | 7000  | 10000 | -36.28 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@0 | 10000 | 13000 | -33.24 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@0 | 13000 | 16000 | -31.74 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@0 | 16000 | 19000 | -30.68 | -13 | PASS |
| 4 | 20.0 | 20050 | 1720.0 | 16QAM | 1@0 | 19000 | 20000 | -27.69 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@0 | 30    | 1000  | -37.76 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@0 | 1000  | 4000  | -24.18 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@0 | 4000  | 7000  | -29.48 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@0 | 7000  | 10000 | -35.78 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@0 | 10000 | 13000 | -34.5  | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@0 | 13000 | 16000 | -32.17 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@0 | 16000 | 19000 | -30.51 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | QPSK  | 1@0 | 19000 | 20000 | -27.47 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@0 | 30    | 1000  | -37.78 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@0 | 1000  | 4000  | -23.95 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@0 | 4000  | 7000  | -29.76 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@0 | 7000  | 10000 | -35.8  | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@0 | 10000 | 13000 | -34.92 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@0 | 13000 | 16000 | -31.0  | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@0 | 16000 | 19000 | -30.99 | -13 | PASS |
| 4 | 20.0 | 20300 | 1745.0 | 16QAM | 1@0 | 19000 | 20000 | -27.5  | -13 | PASS |

## Test Graphs

