

## **Appendix for LTE B7 test report**

## Appendix A: Effective (Isotropic) Radiated Power Output Data

### Test Results:

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power[dBm] | EIRP[dBm] | Limit[dBm] | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|-----------|------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | 22.12                | 22.32     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#12           | 22.23                | 22.43     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#24           | 22.31                | 22.51     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 12RB#0           | 21.25                | 21.45     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 12RB#6           | 21.25                | 21.45     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 12RB#13          | 21.28                | 21.48     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 21.31                | 21.51     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#12           | 22.36                | 22.56     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#24           | 22.35                | 22.55     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | 22.46                | 22.66     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 12RB#0           | 21.35                | 21.55     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 12RB#6           | 21.35                | 21.55     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 12RB#13          | 21.29                | 21.49     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 21.30                | 21.5      | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | 22.78                | 22.98     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#24           | 22.67                | 22.87     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#12           | 22.61                | 22.81     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 12RB#6           | 21.63                | 21.83     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 12RB#0           | 21.62                | 21.82     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 12RB#13          | 21.62                | 21.82     | 33         | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 21.63                | 21.83     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#24           | 21.51                | 21.71     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#12           | 21.01                | 21.21     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | 20.94                | 21.14     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 12RB#6           | 20.47                | 20.67     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 12RB#0           | 20.43                | 20.63     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 12RB#13          | 20.52                | 20.72     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 20.31                | 20.51     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#12           | 20.96                | 21.16     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#0            | 21.09                | 21.29     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#24           | 21.02                | 21.22     | 33         | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 12RB#13          | 20.41                | 20.61     | 33         | PASS    |

|       |       |       |       |         |       |       |    |      |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band7 | 5MHz  | 16QAM | 21100 | 12RB#0  | 20.40 | 20.6  | 33 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 12RB#6  | 20.39 | 20.59 | 33 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 25RB#0  | 20.47 | 20.67 | 33 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#24  | 21.05 | 21.25 | 33 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#0   | 21.07 | 21.27 | 33 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#12  | 21.12 | 21.32 | 33 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#0  | 20.63 | 20.83 | 33 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#6  | 20.68 | 20.88 | 33 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#13 | 20.67 | 20.87 | 33 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 25RB#0  | 20.82 | 21.02 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#24  | 22.42 | 22.62 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#49  | 22.50 | 22.7  | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#0   | 22.33 | 22.53 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#25 | 21.37 | 21.57 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#0  | 21.33 | 21.53 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#12 | 21.33 | 21.53 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 50RB#0  | 21.45 | 21.65 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#24  | 22.22 | 22.42 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#0   | 22.38 | 22.58 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#49  | 22.21 | 22.41 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#25 | 21.31 | 21.51 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#0  | 21.45 | 21.65 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#12 | 21.35 | 21.55 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 50RB#0  | 21.39 | 21.59 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0   | 22.39 | 22.59 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#24  | 22.48 | 22.68 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#49  | 22.56 | 22.76 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#12 | 21.57 | 21.77 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#25 | 21.63 | 21.83 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#0  | 21.56 | 21.76 | 33 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0  | 21.52 | 21.72 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#24  | 20.91 | 21.11 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0   | 20.73 | 20.93 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#49  | 20.95 | 21.15 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#12 | 20.51 | 20.71 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#25 | 20.59 | 20.79 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#0  | 20.51 | 20.71 | 33 | PASS |

|       |       |       |       |         |       |       |    |      |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0  | 20.49 | 20.69 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#24  | 21.44 | 21.64 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0   | 21.49 | 21.69 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#49  | 21.33 | 21.53 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#0  | 20.51 | 20.71 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#12 | 20.52 | 20.72 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#25 | 20.55 | 20.75 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0  | 20.51 | 20.71 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#49  | 21.27 | 21.47 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0   | 21.28 | 21.48 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#24  | 21.27 | 21.47 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#0  | 20.59 | 20.79 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#12 | 20.60 | 20.8  | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#25 | 20.64 | 20.84 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0  | 20.84 | 21.04 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#38  | 22.51 | 22.71 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#74  | 22.61 | 22.81 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0   | 22.37 | 22.57 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 38RB#37 | 21.69 | 21.89 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 38RB#0  | 21.57 | 21.77 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 38RB#18 | 21.70 | 21.9  | 33 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0  | 21.42 | 21.62 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#74  | 22.13 | 22.33 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#38  | 22.26 | 22.46 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0   | 22.46 | 22.66 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 38RB#0  | 21.70 | 21.9  | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 38RB#18 | 21.55 | 21.75 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 38RB#37 | 21.44 | 21.64 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0  | 21.33 | 21.53 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#38  | 22.48 | 22.68 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0   | 22.32 | 22.52 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#74  | 22.53 | 22.73 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 38RB#0  | 21.10 | 21.3  | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 38RB#37 | 21.42 | 21.62 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 38RB#18 | 21.26 | 21.46 | 33 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0  | 21.50 | 21.7  | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#38  | 21.71 | 21.91 | 33 | PASS |

|       |       |       |       |         |       |       |    |      |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0   | 21.58 | 21.78 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#74  | 21.69 | 21.89 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 38RB#37 | 21.76 | 21.96 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 38RB#18 | 21.69 | 21.89 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 38RB#0  | 21.56 | 21.76 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0  | 20.60 | 20.8  | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#74  | 21.46 | 21.66 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#38  | 21.54 | 21.74 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0   | 21.71 | 21.91 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 38RB#18 | 21.55 | 21.75 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 38RB#37 | 21.47 | 21.67 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 38RB#0  | 21.70 | 21.9  | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | 20.46 | 20.66 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0   | 21.08 | 21.28 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#74  | 21.36 | 21.56 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#38  | 21.28 | 21.48 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 38RB#0  | 21.07 | 21.27 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 38RB#18 | 21.29 | 21.49 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 38RB#37 | 21.29 | 21.49 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | 20.67 | 20.87 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#49  | 22.71 | 22.91 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#99  | 22.69 | 22.89 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0   | 22.54 | 22.74 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#0  | 21.41 | 21.61 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#25 | 21.33 | 21.53 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#50 | 21.55 | 21.75 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 21.51 | 21.71 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#99  | 22.39 | 22.59 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#49  | 22.42 | 22.62 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0   | 22.66 | 22.86 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#25 | 21.52 | 21.72 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#50 | 21.16 | 21.36 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#0  | 21.51 | 21.71 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 21.39 | 21.59 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#49  | 22.52 | 22.72 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0   | 22.34 | 22.54 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#99  | 22.70 | 22.9  | 33 | PASS |

|       |       |       |       |         |       |       |    |      |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band7 | 20MHz | QPSK  | 21350 | 50RB#50 | 21.53 | 21.73 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#25 | 21.36 | 21.56 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#0  | 21.33 | 21.53 | 33 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 21.44 | 21.64 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#49  | 21.99 | 22.19 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0   | 21.89 | 22.09 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#99  | 21.90 | 22.1  | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#50 | 20.55 | 20.75 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#0  | 20.51 | 20.71 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#25 | 20.52 | 20.72 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 20.66 | 20.86 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#99  | 21.15 | 21.35 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#49  | 21.20 | 21.4  | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0   | 21.45 | 21.65 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#50 | 20.36 | 20.56 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#25 | 20.61 | 20.81 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#0  | 20.61 | 20.81 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 20.36 | 20.56 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0   | 20.80 | 21    | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#49  | 21.00 | 21.2  | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#99  | 21.13 | 21.33 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#50 | 20.82 | 21.02 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#0  | 20.63 | 20.83 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#25 | 20.61 | 20.81 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 20.60 | 20.8  | 33 | PASS |

## Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]$

$EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]$

b, SGP=Signal Generator Level

c, Antenna gain of LTE Band 7 is 0.2dBi.

Note2: SET Span=1.5\*OBW

SET RBW=1%of the OBW,not to exceed 1MHz

SET VBW>= 3\*RBW

SET Sweep time=auto-couple.

Detector:RMS

## Appendix B: Peak-to-Average Ratio

### Test Results

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | 4.78       | 13        | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 4.96       | 13        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | 4.84       | 13        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 5.07       | 13        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | 4.90       | 13        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 5.01       | 13        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | 5.68       | 13        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 5.86       | 13        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#0            | 5.57       | 13        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 5.97       | 13        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#0            | 5.68       | 13        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 5.83       | 13        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0            | 4.70       | 13        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 5.04       | 13        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 1RB#0            | 8.46       | 13        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 5.13       | 13        | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 1RB#0            | 4.81       | 13        | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | 5.04       | 13        | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 1RB#0            | 5.65       | 13        | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | 5.94       | 13        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 1RB#0            | 5.80       | 13        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | 6.00       | 13        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 1RB#0            | 5.68       | 13        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 50RB#0           | 5.88       | 13        | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 1RB#0            | 4.78       | 13        | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 75RB#0           | 4.81       | 13        | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 1RB#0            | 4.96       | 13        | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 75RB#0           | 4.90       | 13        | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 1RB#0            | 4.96       | 13        | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 75RB#0           | 4.84       | 13        | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 1RB#0            | 5.54       | 13        | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 75RB#0           | 5.77       | 13        | PASS    |
| Band7 | 15MHz     | 16QAM      | 21100   | 1RB#0            | 5.94       | 13        | PASS    |
| Band7 | 15MHz     | 16QAM      | 21100   | 75RB#0           | 5.86       | 13        | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 1RB#0            | 5.74       | 13        | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 75RB#0           | 5.77       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#0            | 4.87       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0          | 4.06       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 1RB#0            | 5.16       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0          | 4.12       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 1RB#0            | 4.99       | 13        | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0          | 4.06       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 1RB#0            | 5.68       | 13        | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 100RB#0          | 5.68       | 13        | PASS    |

Total Quality. Assured.

|       |       |       |       |         |      |    |      |
|-------|-------|-------|-------|---------|------|----|------|
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0   | 6.00 | 13 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 5.71 | 13 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0   | 5.83 | 13 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 5.65 | 13 | PASS |

## Appendix C: Modulation Characteristics

### Test Plots

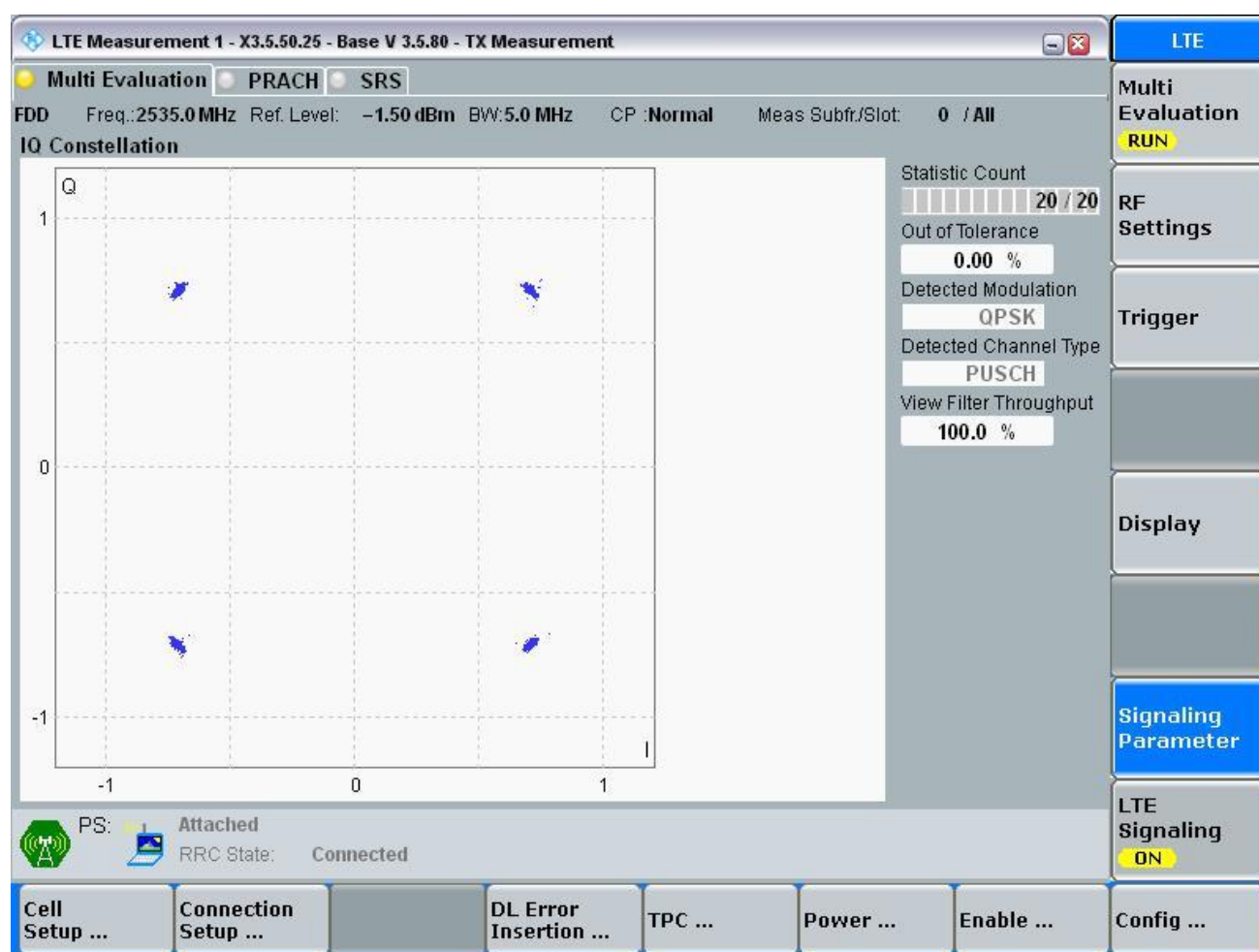
Test Band = BAND7

Test Mode = LTE/TM1

Test Bandwidth = 5MHz

Test Channel = MCH

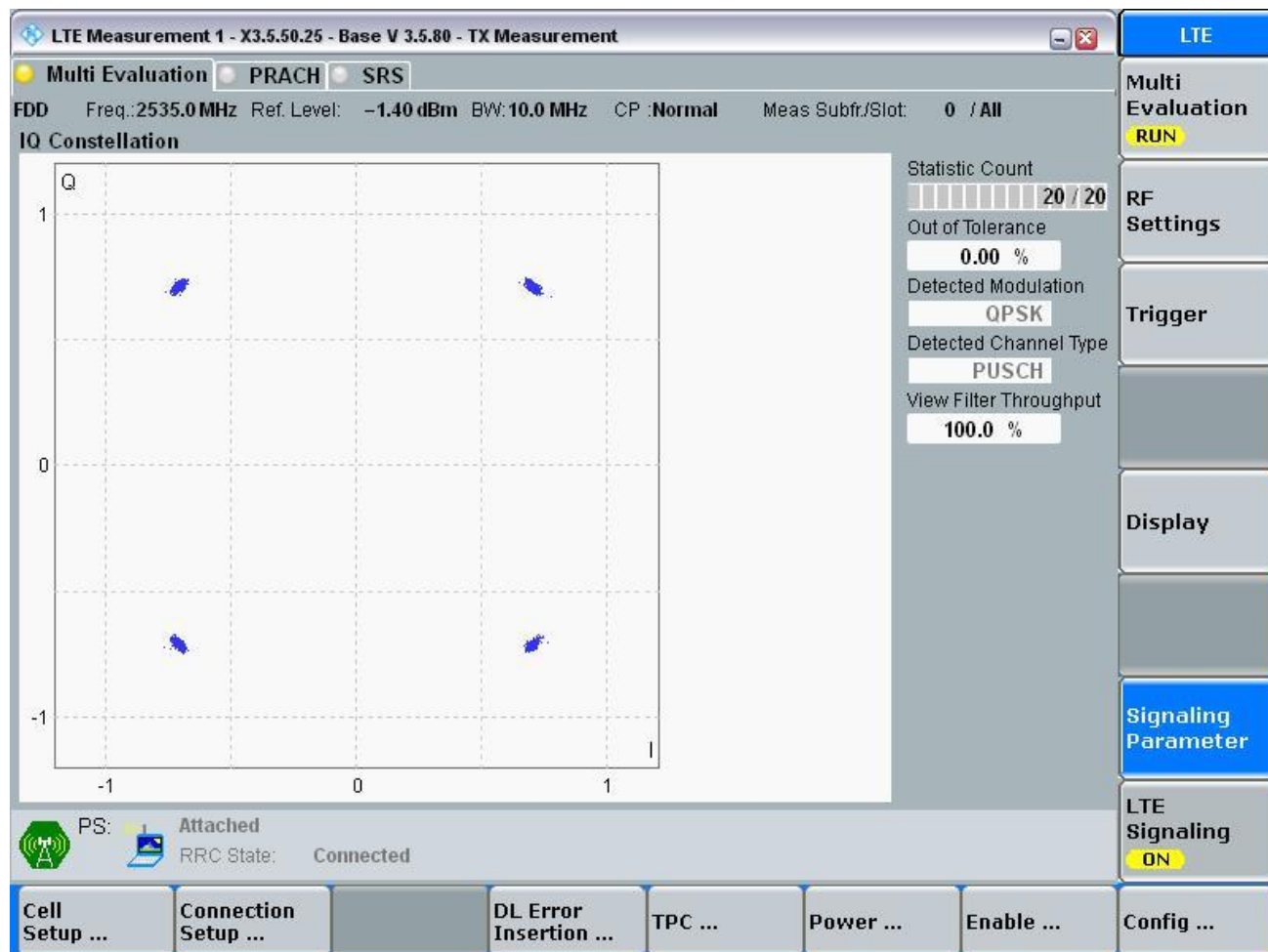
Test RB = RB25#0



Test Bandwidth = 10MHz

Test Channel = MCH

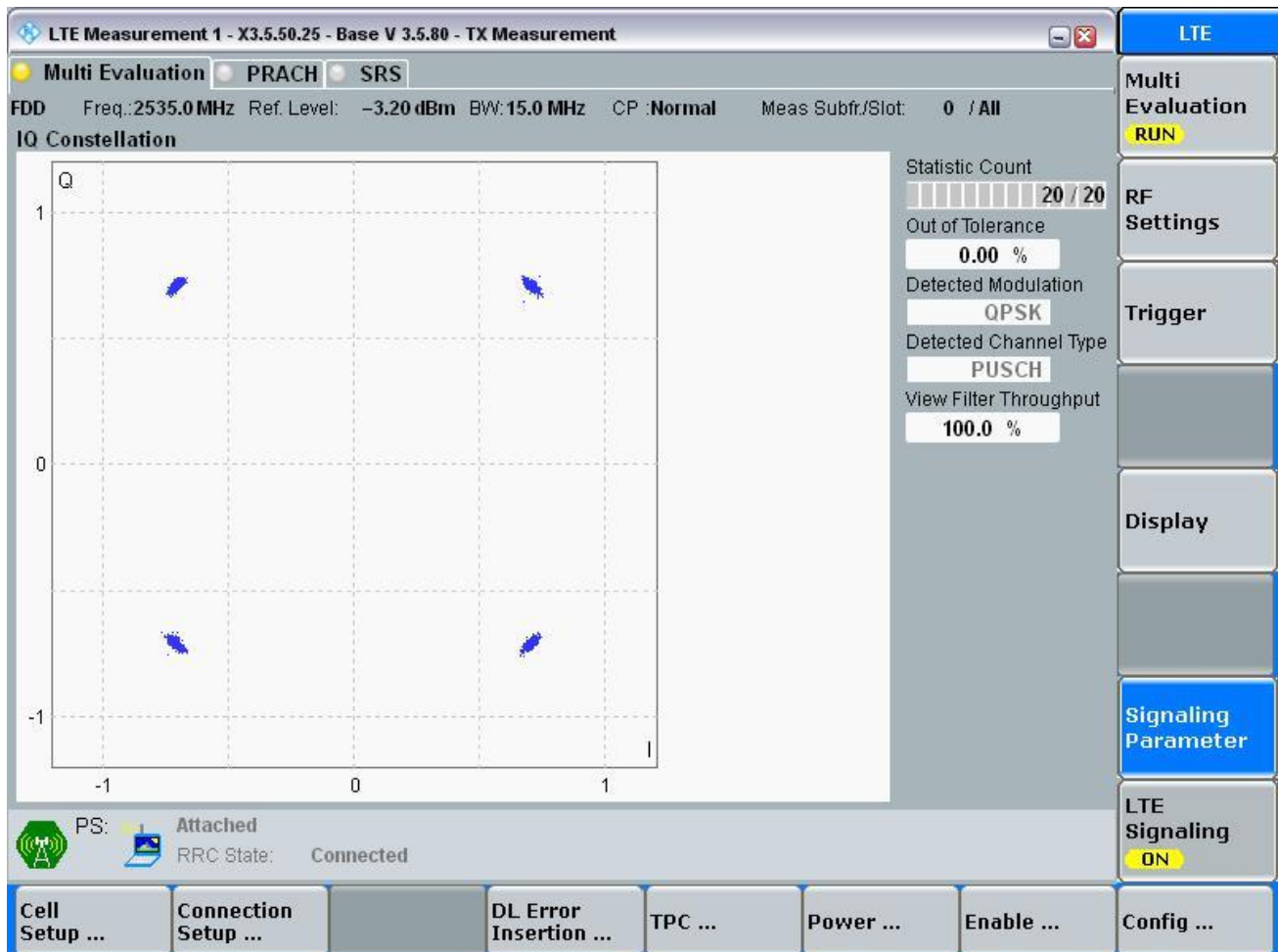
Test RB = RB50#0



Test Bandwidth = 15MHz

Test Channel = MCH

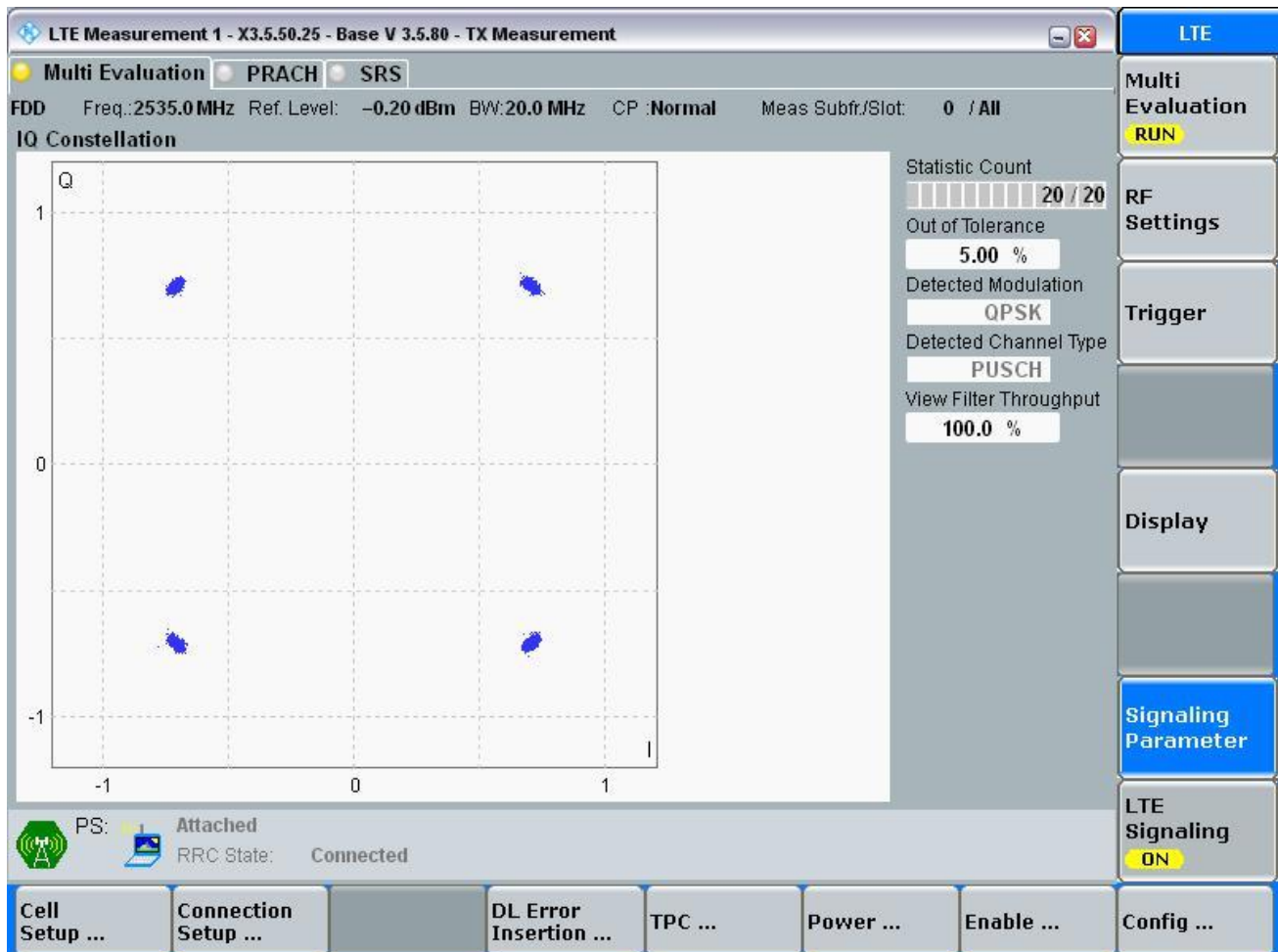
Test RB = RB75#0



Test Bandwidth = 20MHz

Test Channel = MCH

Test RB = RB100#0

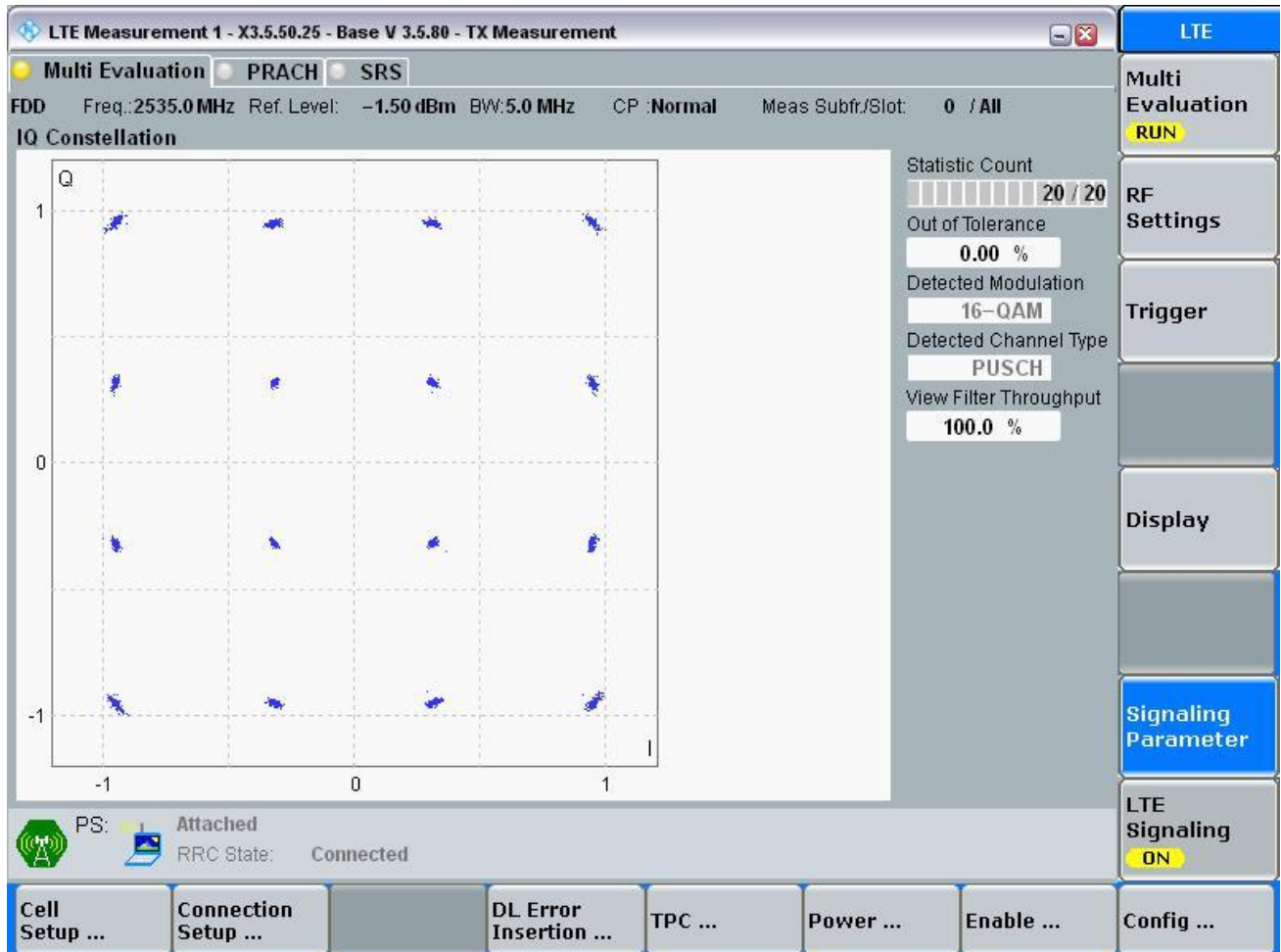


Test Mode = LTE/TM2

Test Bandwidth = 5MHz

Test Channel = MCH

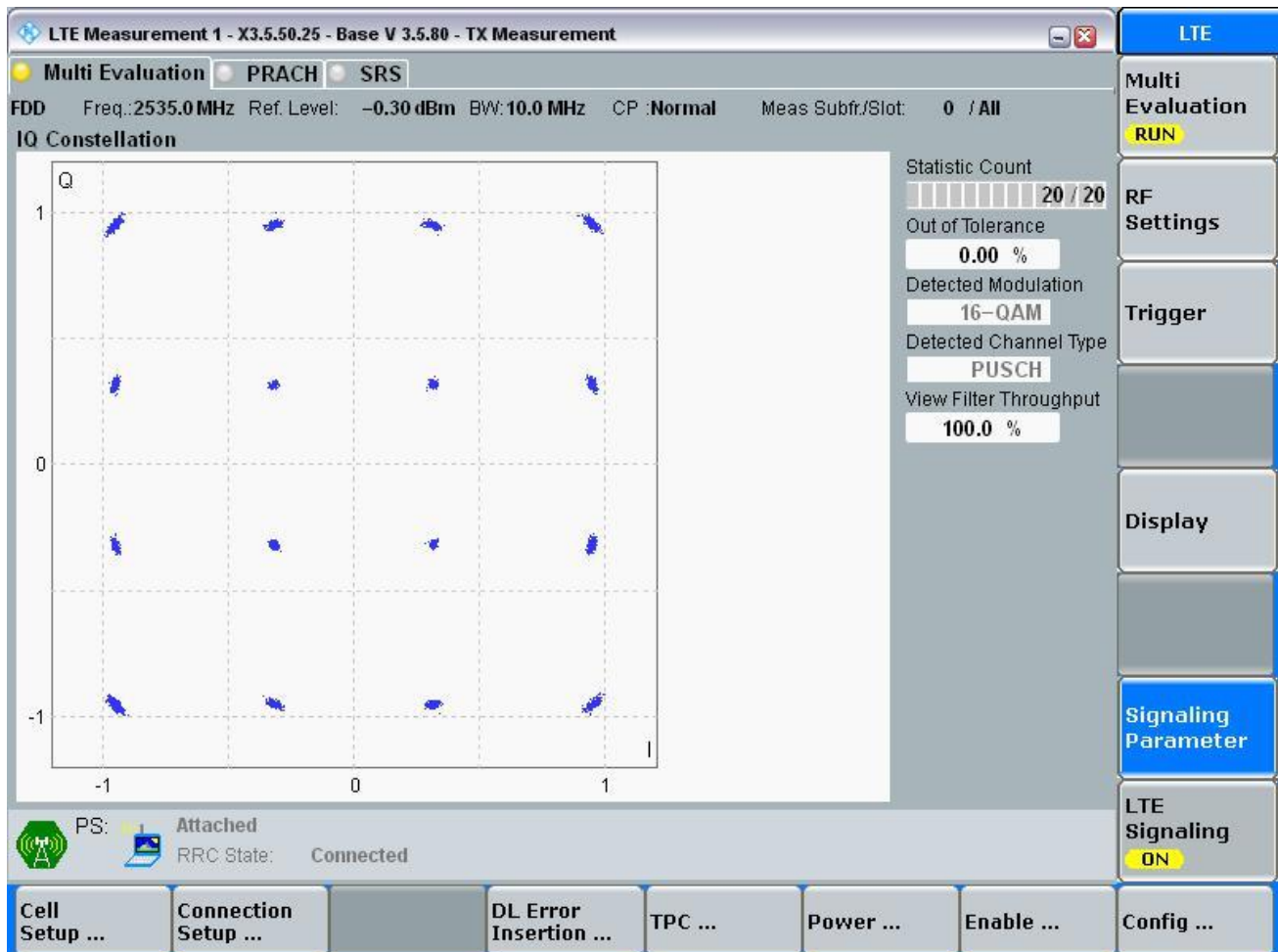
Test RB = RB25#0



Test Bandwidth = 10MHz

Test Channel = MCH

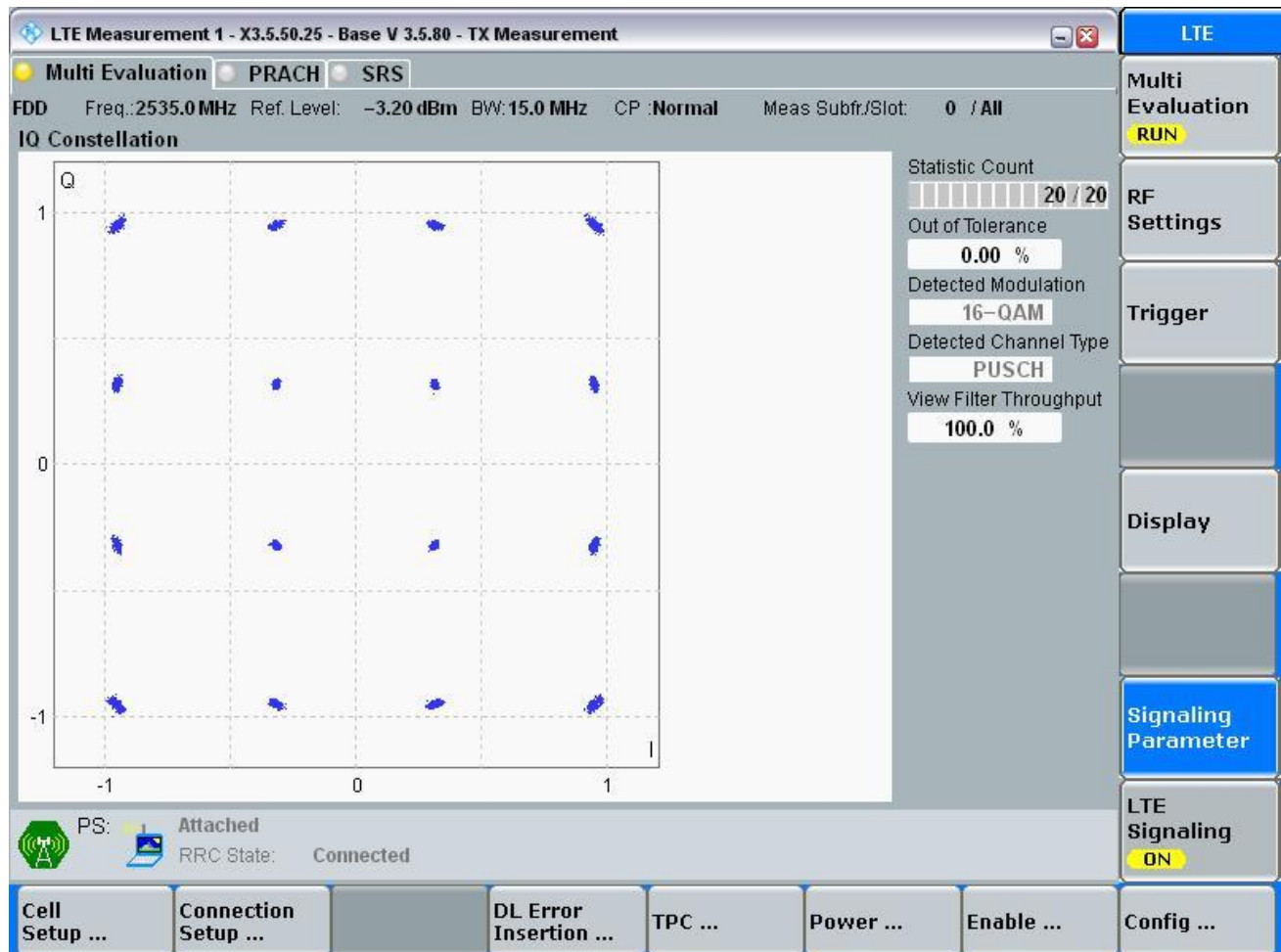
Test RB = RB50#0



Test Bandwidth = 15MHz

Test Channel = MCH

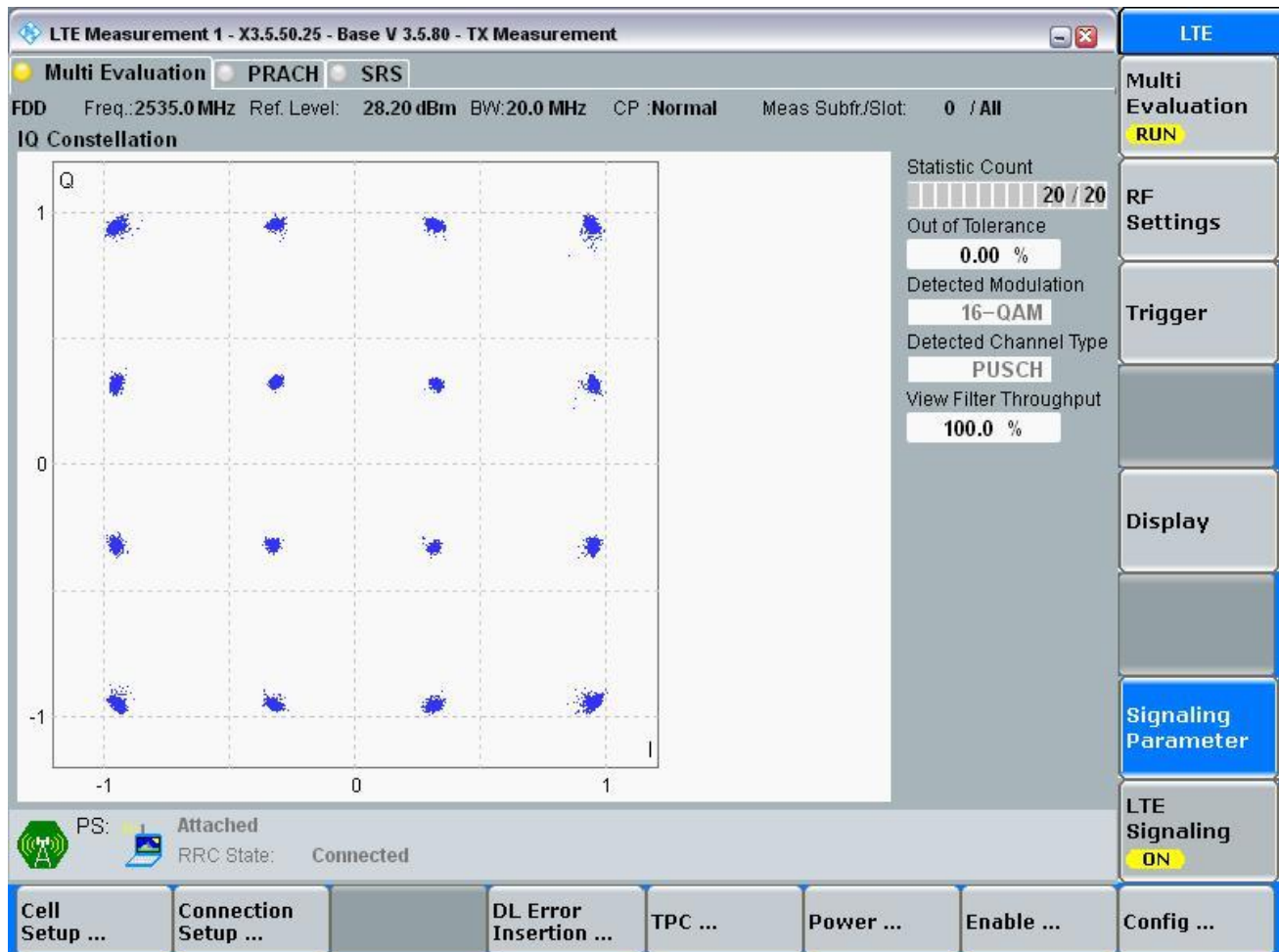
Test RB = RB75#0



Test Bandwidth = 20MHz

Test Channel = MCH

Test RB = RB100#0



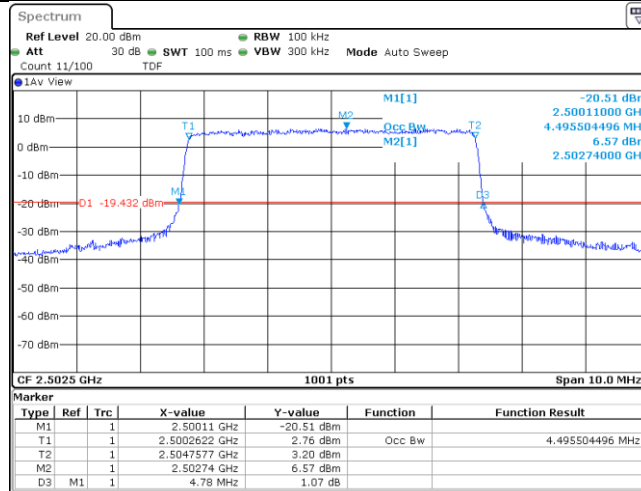
## Appendix D: Bandwidth

### Test Results

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | 4.496                    | 4.780                | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 4.496                    | 4.800                | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | 4.496                    | 4.810                | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | 4.496                    | 4.790                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 4.505                    | 4.770                | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | 4.496                    | 4.780                | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | 8.985                    | 9.533                | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 8.985                    | 9.533                | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | 8.985                    | 9.533                | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | 8.985                    | 9.533                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | 8.952                    | 9.567                | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 50RB#0           | 8.985                    | 9.533                | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 75RB#0           | 13.428                   | 14.300               | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 75RB#0           | 13.478                   | 14.300               | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 75RB#0           | 13.478                   | 14.300               | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 75RB#0           | 13.428                   | 14.300               | PASS    |
| Band7 | 15MHz     | 16QAM      | 21100   | 75RB#0           | 13.478                   | 14.300               | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 75RB#0           | 13.478                   | 14.300               | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0          | 18.037                   | 19.333               | PASS    |
| Band7 | 20MHz     | QPSK       | 21100   | 100RB#0          | 18.037                   | 19.333               | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0          | 18.103                   | 19.333               | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 100RB#0          | 18.037                   | 19.333               | PASS    |
| Band7 | 20MHz     | 16QAM      | 21100   | 100RB#0          | 18.037                   | 19.333               | PASS    |
| Band7 | 20MHz     | 16QAM      | 21350   | 100RB#0          | 18.103                   | 19.333               | PASS    |

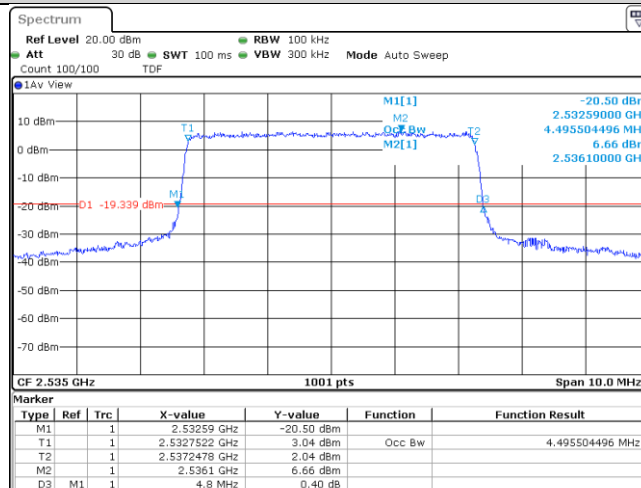
## Test Plots

### Band7-5MHz-QPSK-20775-25RB#0-4.496



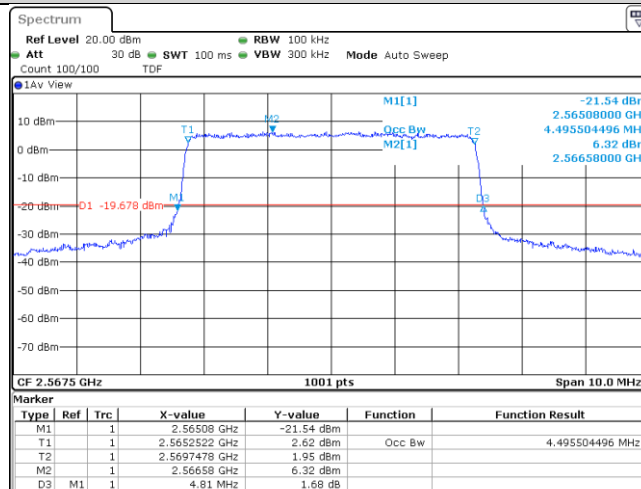
Date: 18 AUG 2020 00:23:03

### Band7-5MHz-QPSK-21100-25RB#0-4.496



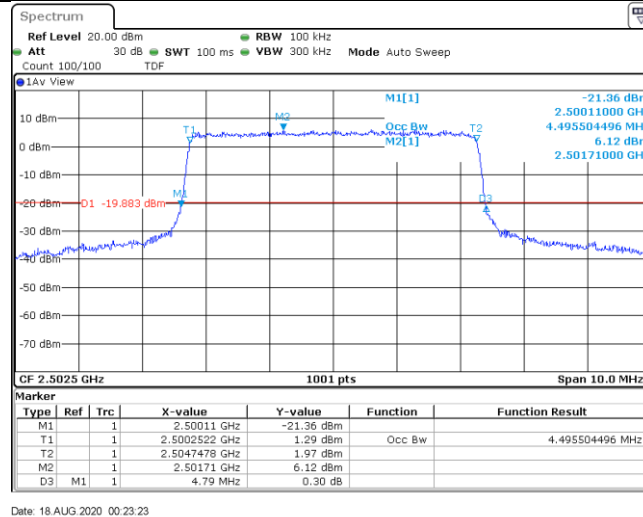
Date: 18 AUG 2020 00:23:44

### Band7-5MHz-QPSK-21425-25RB#0-4.496

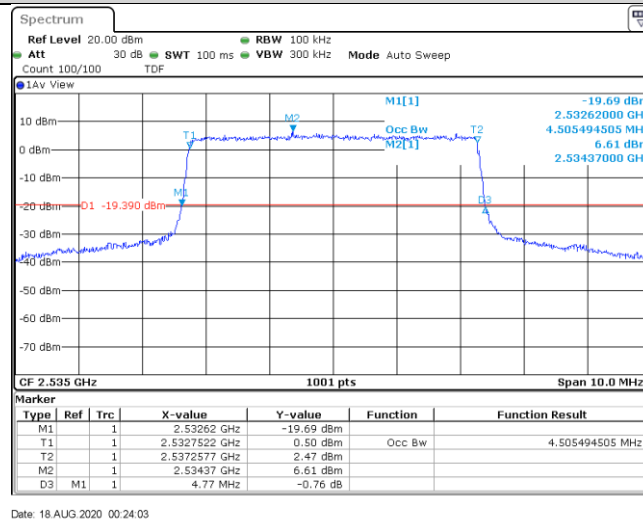


Date: 18 AUG 2020 00:24:24

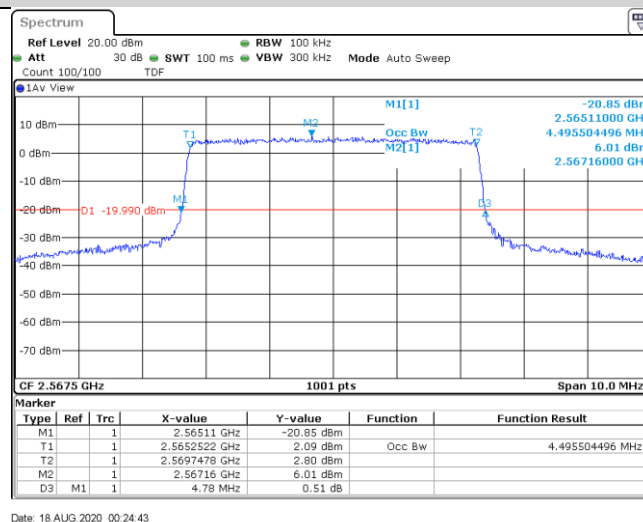
### Band7-5MHz-16QAM-20775-25RB#0-4.496



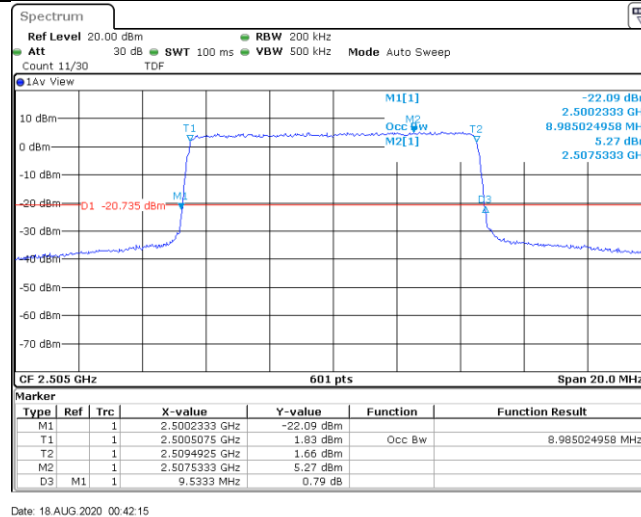
### Band7-5MHz-16QAM-21100-25RB#0-4.505



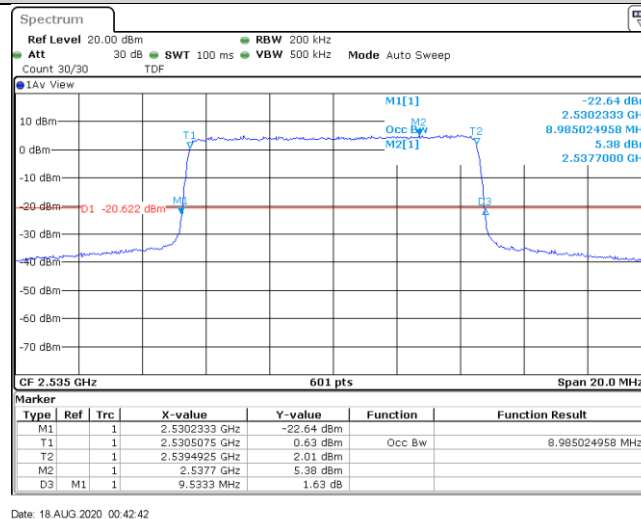
### Band7-5MHz-16QAM-21425-25RB#0-4.496



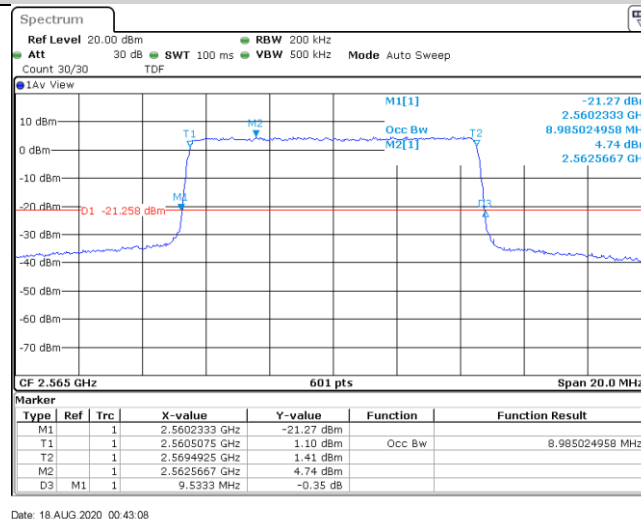
### Band7-10MHz-QPSK-20800-50RB#0-8.985



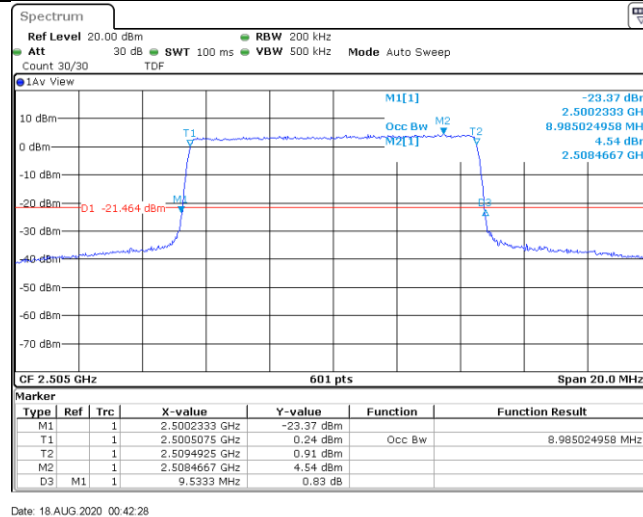
### Band7-10MHz-QPSK-21100-50RB#0-8.985



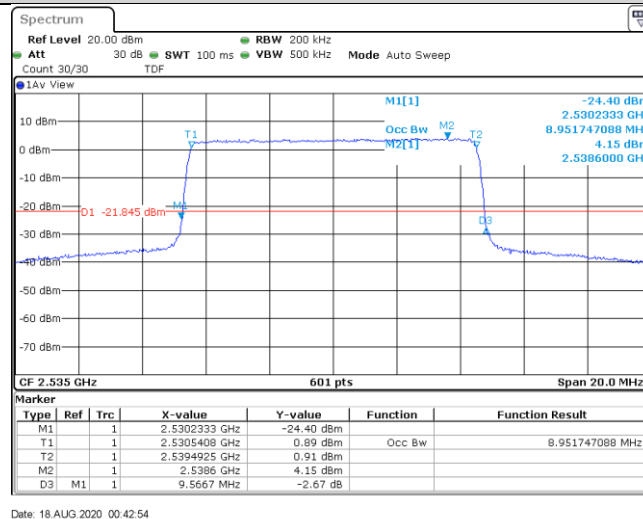
### Band7-10MHz-QPSK-21400-50RB#0-8.985



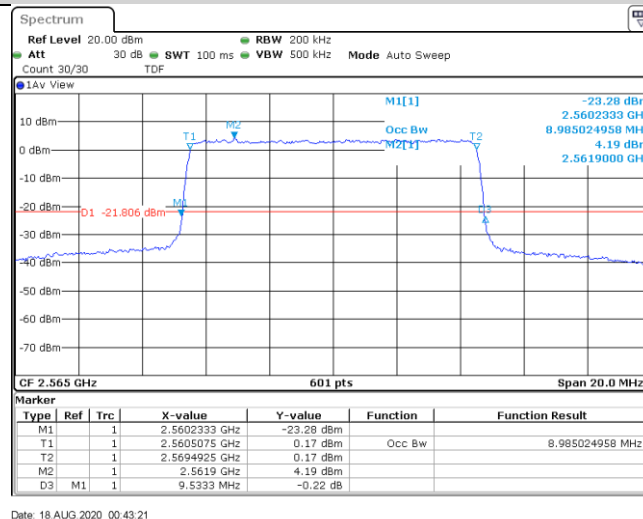
### Band7-10MHz-16QAM-20800-50RB#0-8.985



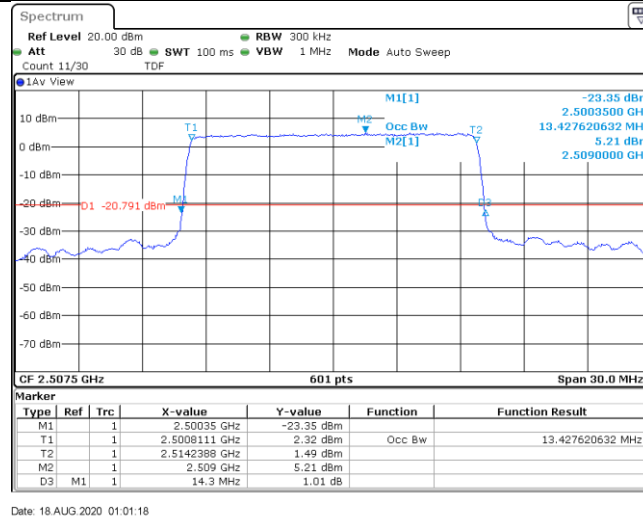
### Band7-10MHz-16QAM-21100-50RB#0-8.952



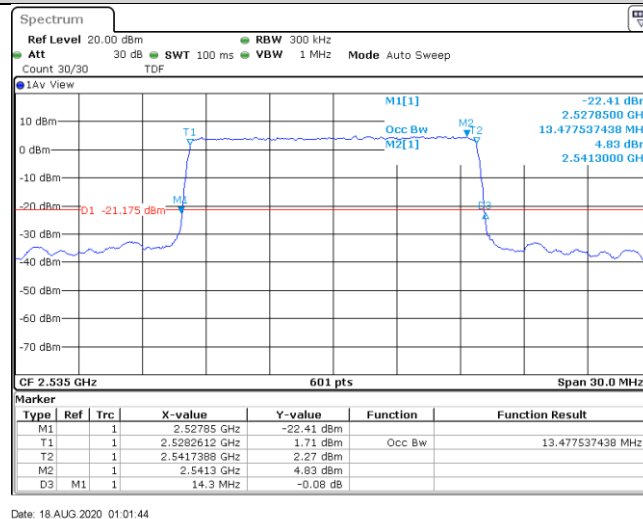
### Band7-10MHz-16QAM-21400-50RB#0-8.985



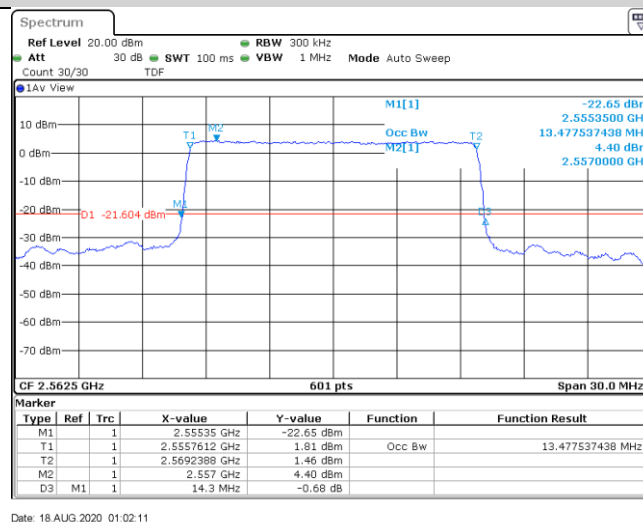
### Band7-15MHz-QPSK-20825-75RB#0-13.428



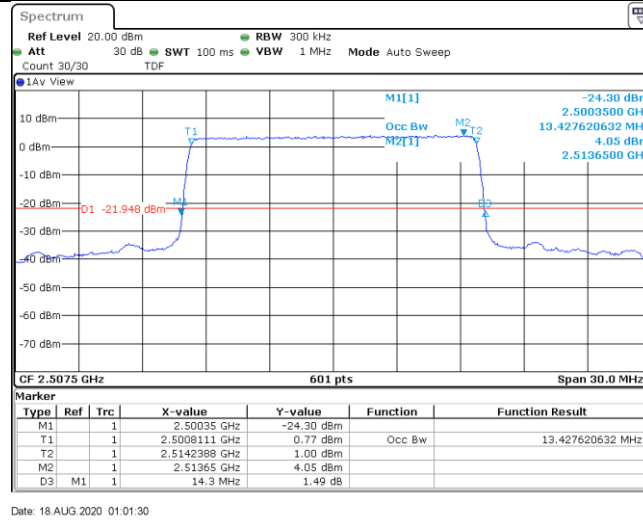
**Band7-15MHz-QPSK-21100-75RB#0-13.478**



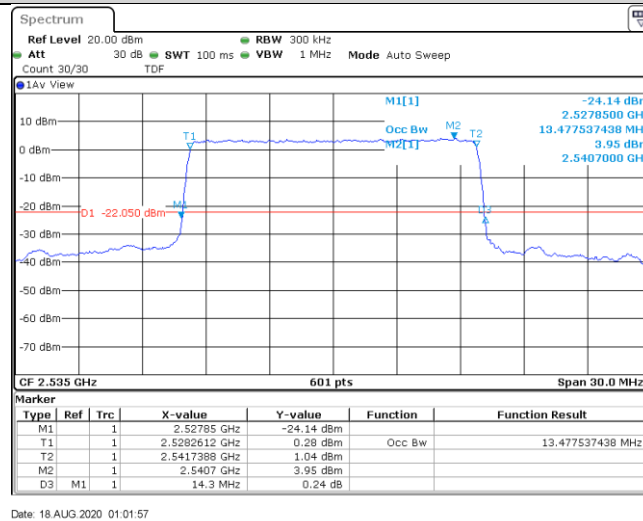
**Band7-15MHz-QPSK-21375-75RB#0-13.478**



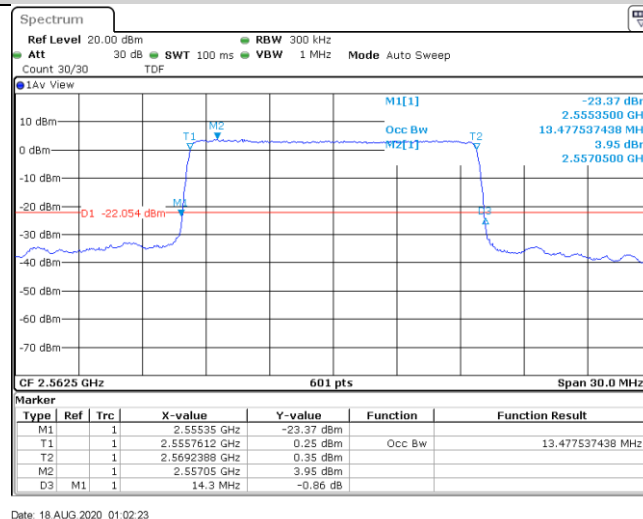
**Band7-15MHz-16QAM-20825-75RB#0-13.428**



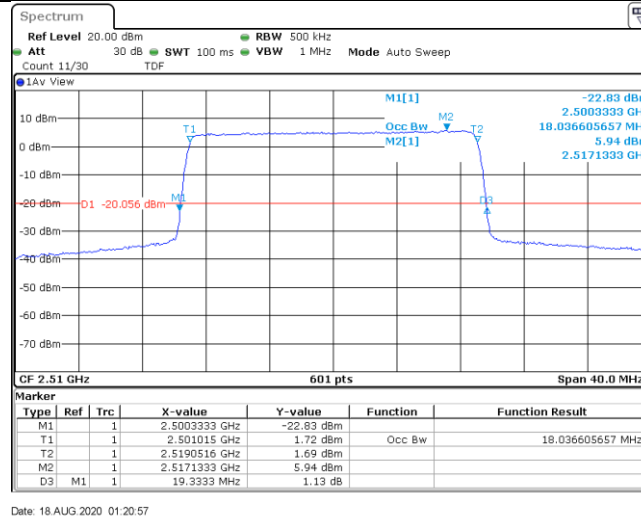
**Band7-15MHz-16QAM-21100-75RB#0-13.478**



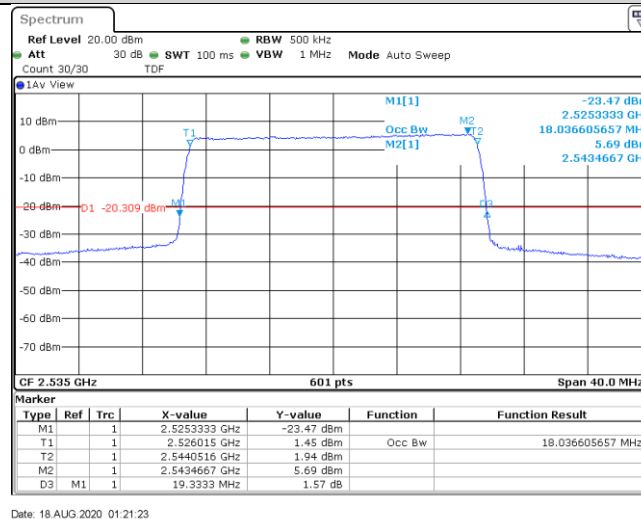
**Band7-15MHz-16QAM-21375-75RB#0-13.478**



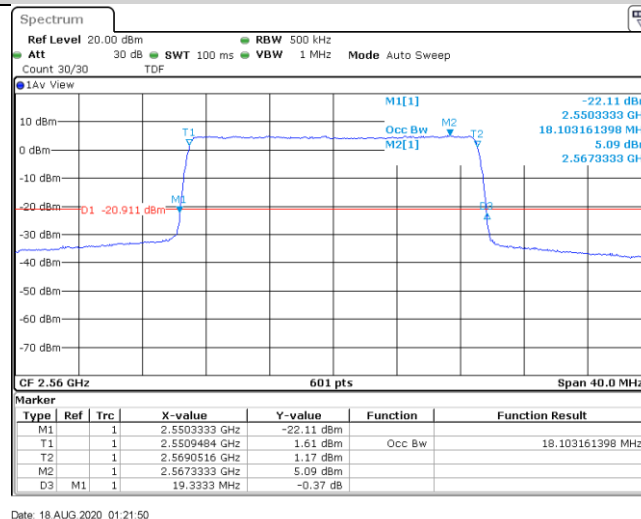
**Band7-20MHz-QPSK-20850-100RB#0-18.037**



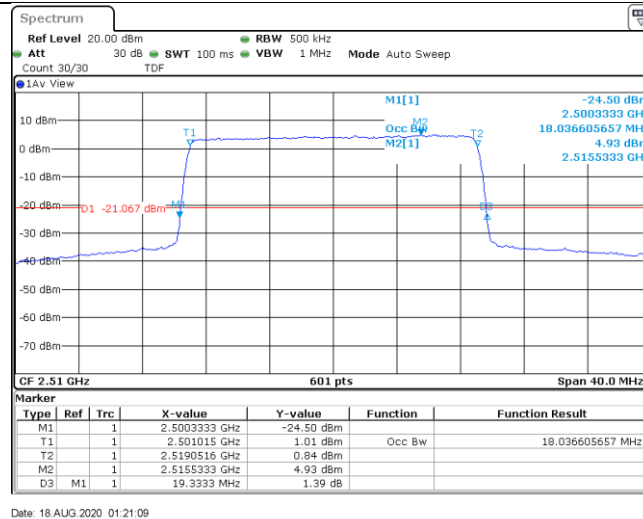
**Band7-20MHz-QPSK-21100-100RB#0-18.037**



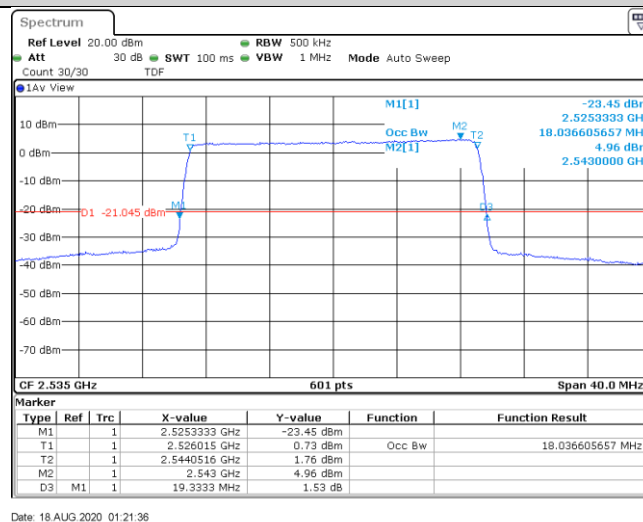
**Band7-20MHz-QPSK-21350-100RB#0-18.103**



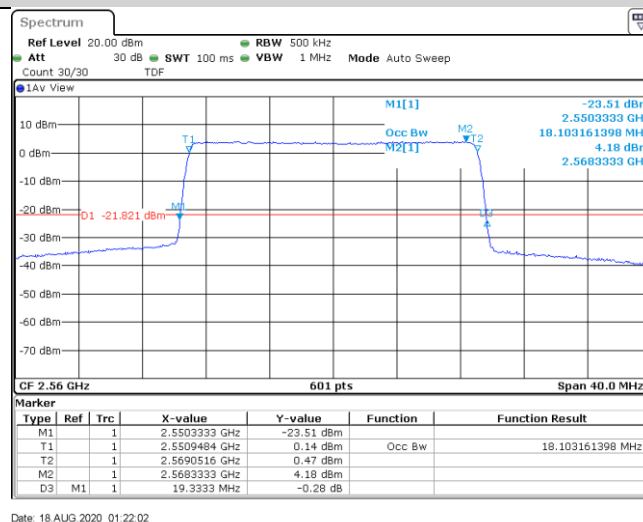
**Band7-20MHz-16QAM-20850-100RB#0-18.037**



### Band7-20MHz-16QAM-21100-100RB#0-18.037



### Band7-20MHz-16QAM-21350-100RB#0-18.103



## Appendix E: Band Edges Compliance

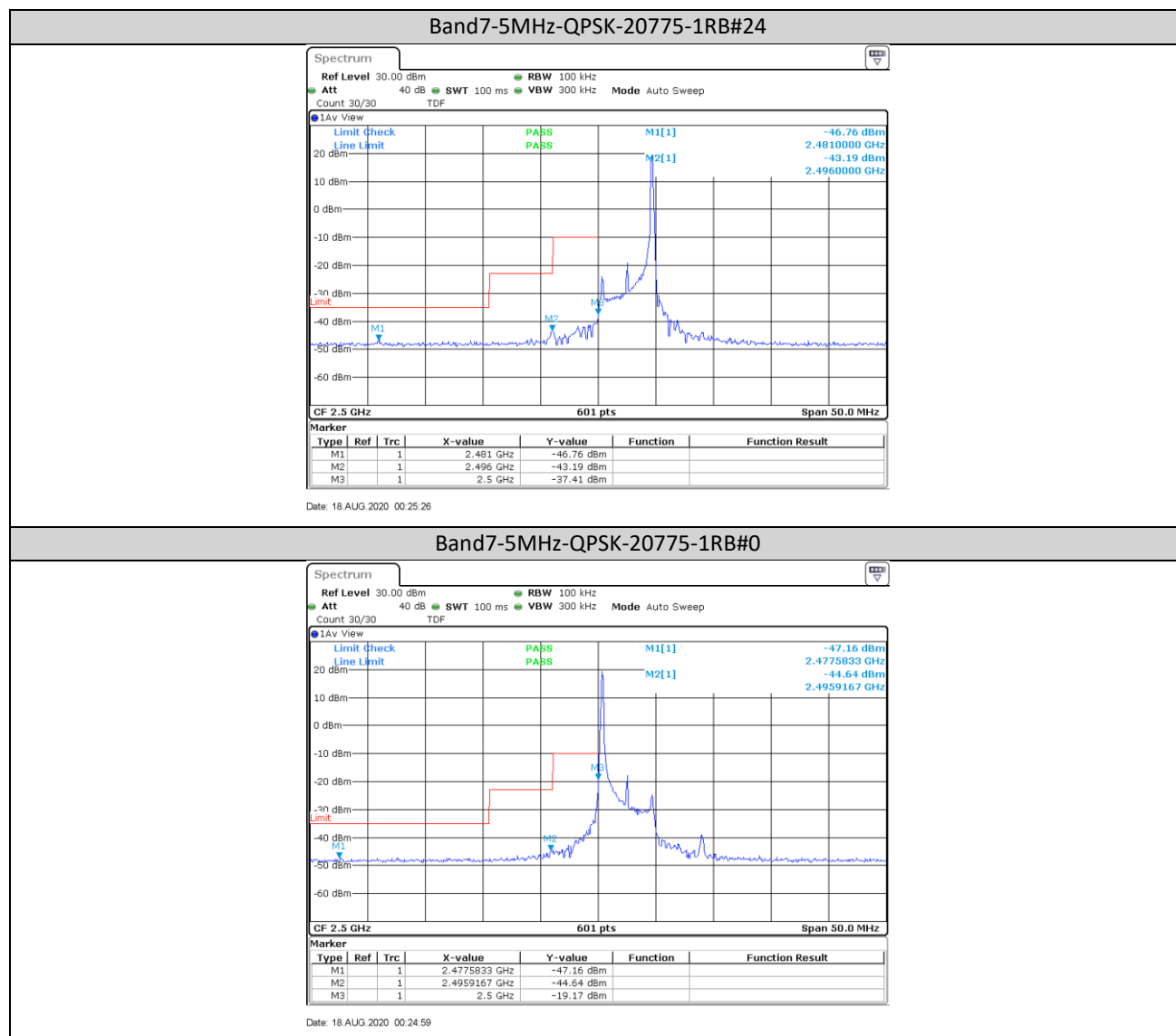
### Test Plots

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm)          | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#24           | -46.76,-43.19,-37.41 | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | -47.16,-44.64,-19.17 | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | -47.06,-39.90,-28.20 | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | -46.93,-46.32,-35.23 | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#24           | -46.27,-45.51,-19.65 | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | -45.66,-44.35,-28.68 | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | -46.89,-43.99,-20.80 | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#24           | -46.90,-41.36,-35.95 | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | -46.84,-43.17,-29.81 | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#0            | -46.92,-46.38,-35.76 | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#24           | -46.38,-46.26,-18.67 | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | -46.00,-44.09,-28.27 | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0            | -44.96,-43.14,-25.10 | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#49           | -44.60,-38.80,-39.63 | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | -43.84,-37.72,-32.65 | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 1RB#49           | -44.77,-42.80,-25.72 | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 1RB#0            | -45.05,-37.28,-39.63 | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | -42.64,-37.92,-32.60 | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 1RB#49           | -44.84,-37.04,-40.80 | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 1RB#0            | -44.70,-43.72,-26.28 | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | -43.37,-38.43,-33.32 | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 1RB#0            | -45.04,-35.82,-40.02 | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 1RB#49           | -45.10,-43.45,-26.94 | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 50RB#0           | -43.79,-38.93,-32.37 | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 1RB#0            | -49.91,-42.87,-26.40 | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 1RB#74           | -41.00,-46.03,-47.80 | PASS    |
| Band7 | 15MHz     | QPSK       | 20825   | 75RB#0           | -40.28,-36.18,-32.94 | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 1RB#74           | -61.66,-42.89,-26.89 | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 1RB#0            | -58.23,-38.47,-47.12 | PASS    |
| Band7 | 15MHz     | QPSK       | 21375   | 75RB#0           | -47.54,-35.05,-31.74 | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 1RB#74           | -38.97,-44.60,-49.84 | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 1RB#0            | -48.45,-43.91,-28.54 | PASS    |
| Band7 | 15MHz     | 16QAM      | 20825   | 75RB#0           | -43.54,-37.64,-34.68 | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 1RB#0            | -60.63,-37.04,-46.88 | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 1RB#74           | -58.27,-42.63,-27.82 | PASS    |
| Band7 | 15MHz     | 16QAM      | 21375   | 75RB#0           | -48.95,-37.15,-32.52 | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#0            | -41.39,-38.74,-25.69 | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 1RB#99           | -36.40,-37.58,-40.42 | PASS    |
| Band7 | 20MHz     | QPSK       | 20850   | 100RB#0          | -37.14,-35.59,-32.45 | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 1RB#99           | -41.96,-38.02,-25.19 | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 1RB#0            | -42.15,-37.57,-39.84 | PASS    |
| Band7 | 20MHz     | QPSK       | 21350   | 100RB#0          | -41.54,-35.03,-31.87 | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 1RB#99           | -35.76,-37.85,-39.28 | PASS    |
| Band7 | 20MHz     | 16QAM      | 20850   | 1RB#0            | -41.26,-38.86,-26.19 | PASS    |

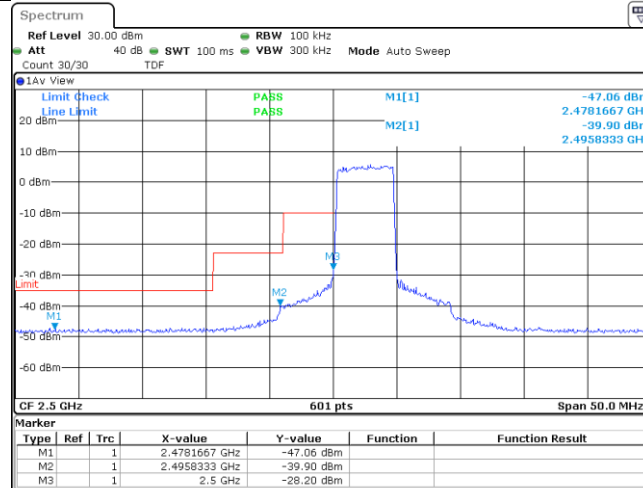
Total Quality. Assured.

|       |       |       |       |         |                      |      |
|-------|-------|-------|-------|---------|----------------------|------|
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | -38.15,-35.84,-33.62 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0   | -42.20,-37.66,-40.06 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#99  | -42.29,-38.69,-26.99 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | -41.91,-36.09,-33.58 | PASS |

## Test Graphs

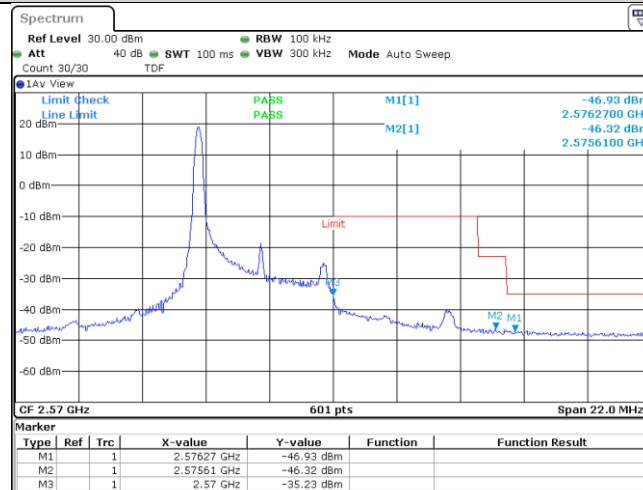


### Band7-5MHz-QPSK-20775-25RB#0



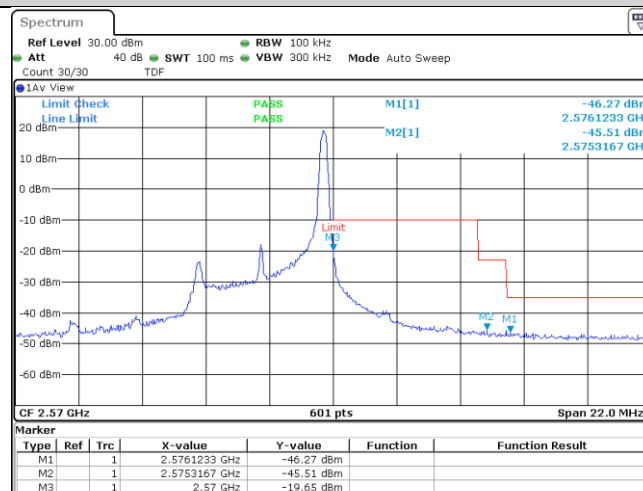
Date: 18 AUG 2020 00:25:52

### Band7-5MHz-QPSK-21425-1RB#0



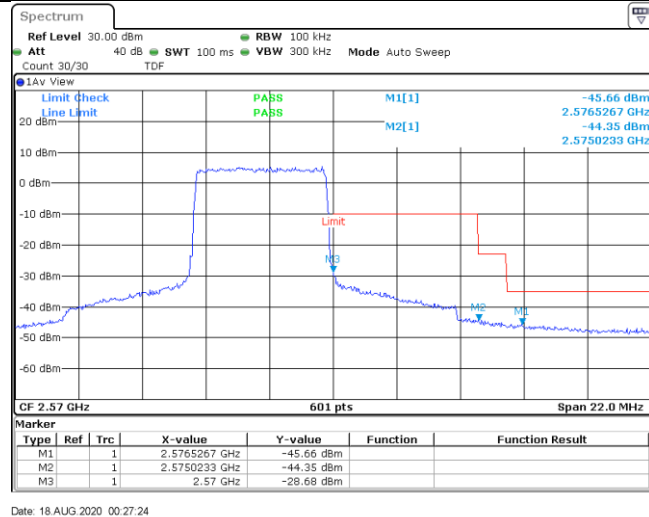
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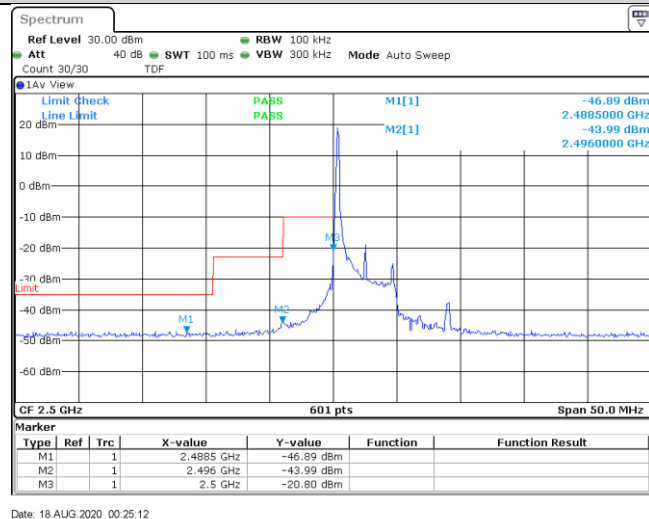


Date: 18 AUG 2020 00:26:58

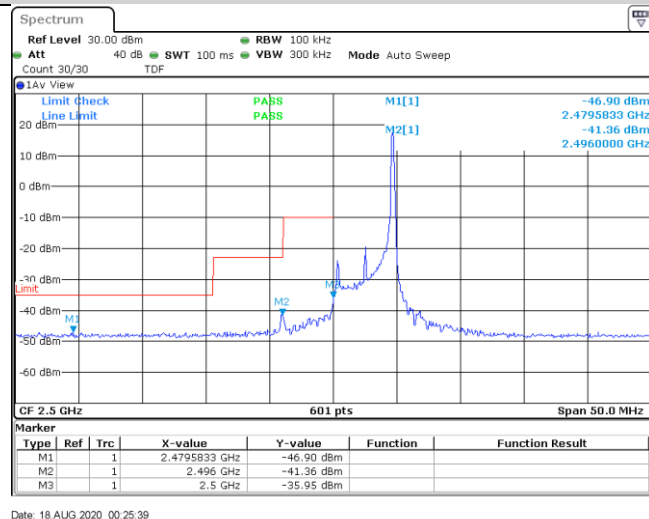
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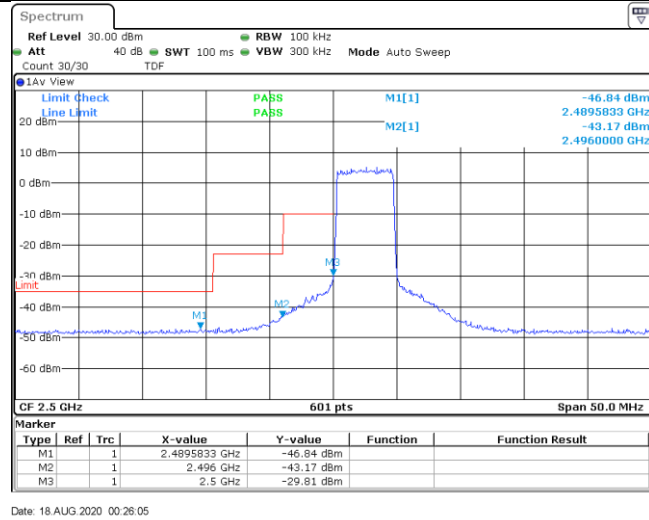
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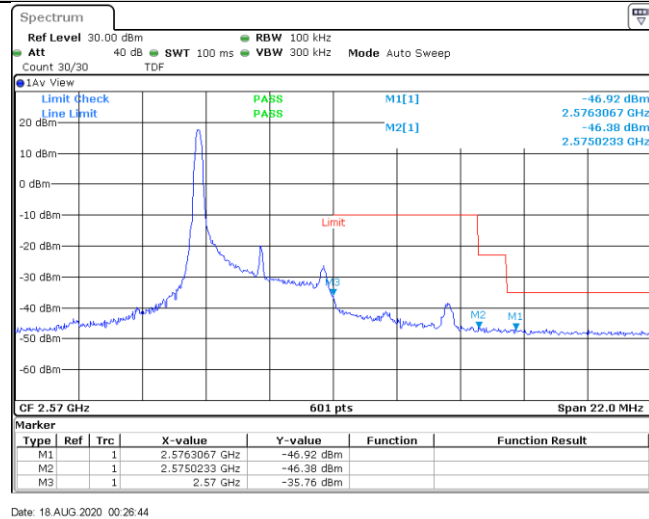
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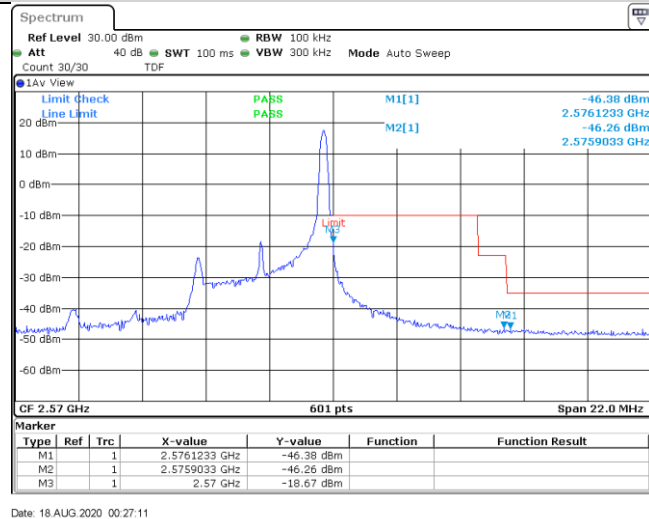
### Band7-5MHz-16QAM-20775-25RB#0



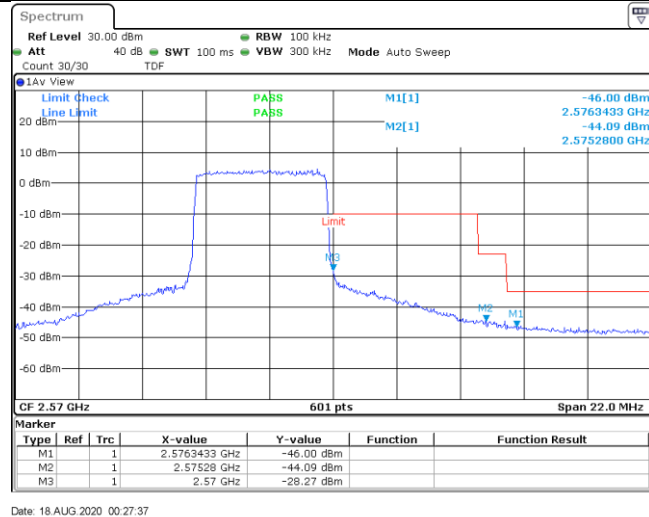
### Band7-5MHz-16QAM-21425-1RB#0



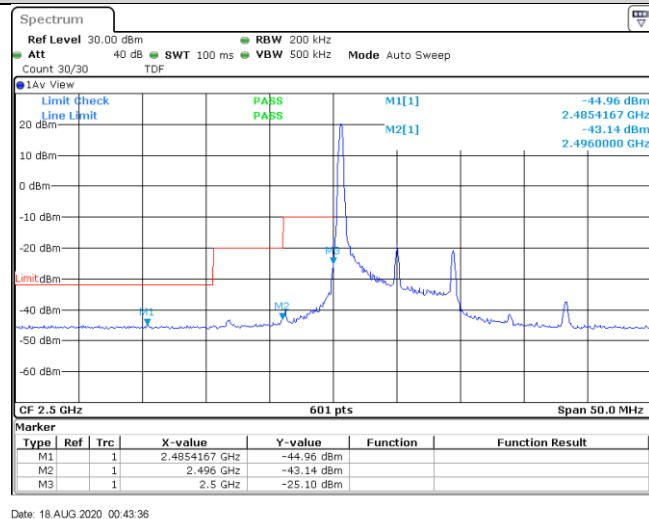
### Band7-5MHz-16QAM-21425-1RB#24



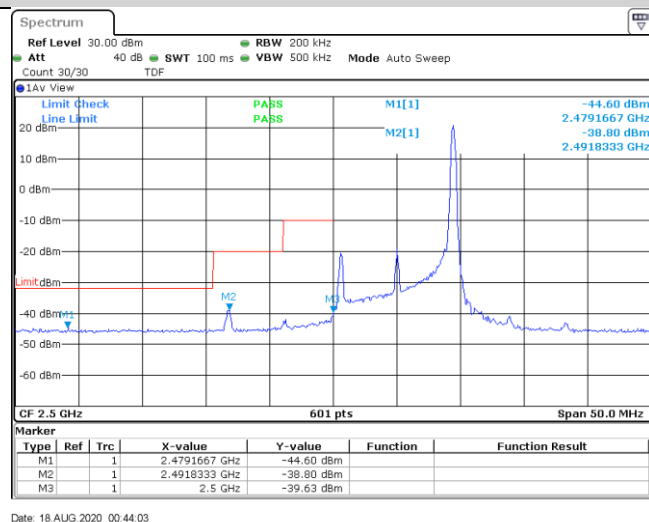
### Band7-5MHz-16QAM-21425-25RB#0



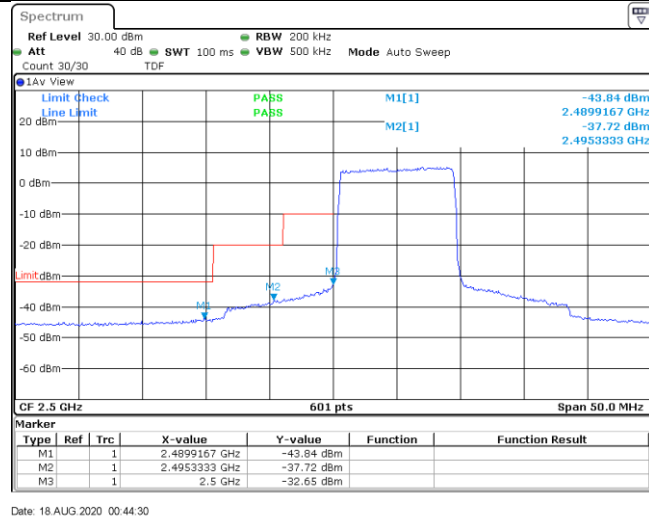
### Band7-10MHz-QPSK-20800-1RB#0



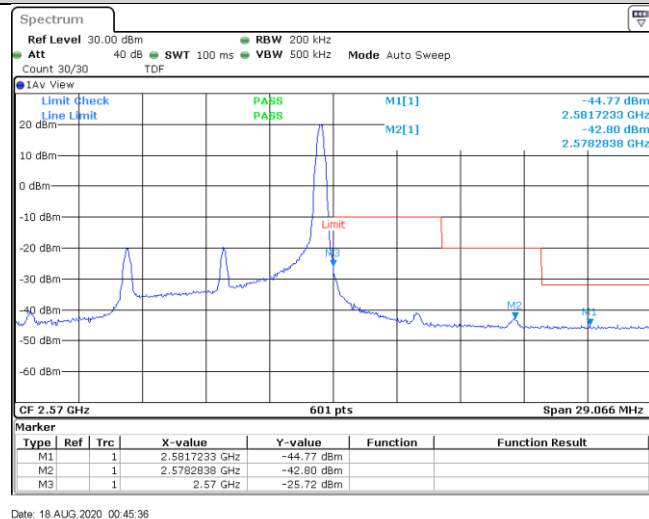
### Band7-10MHz-QPSK-20800-1RB#49



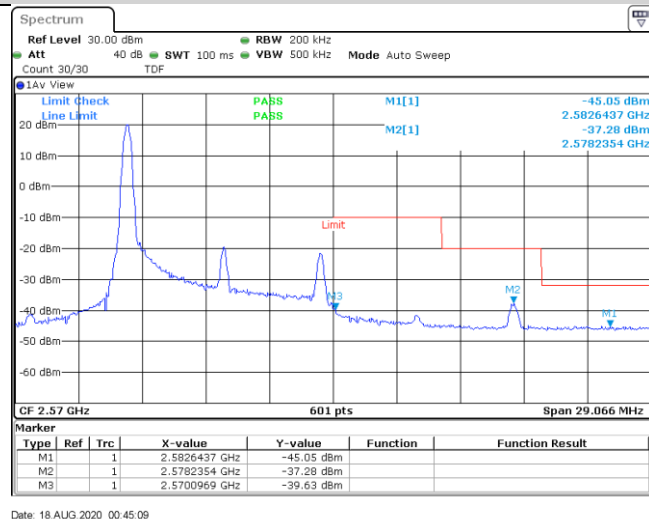
### Band7-10MHz-QPSK-20800-50RB#0



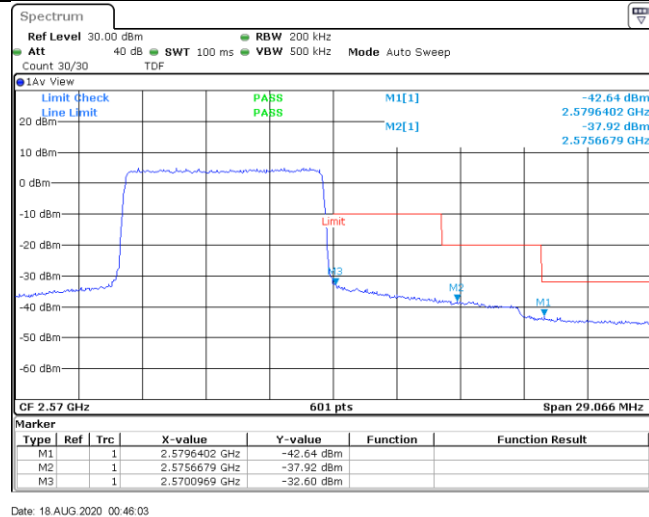
### Band7-10MHz-QPSK-21400-1RB#49



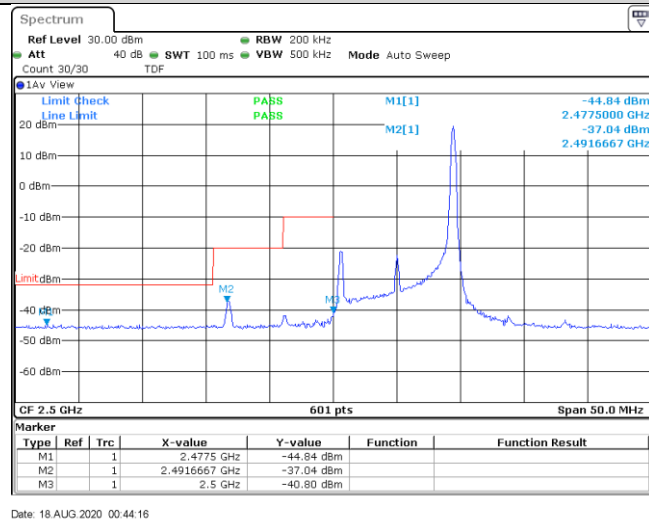
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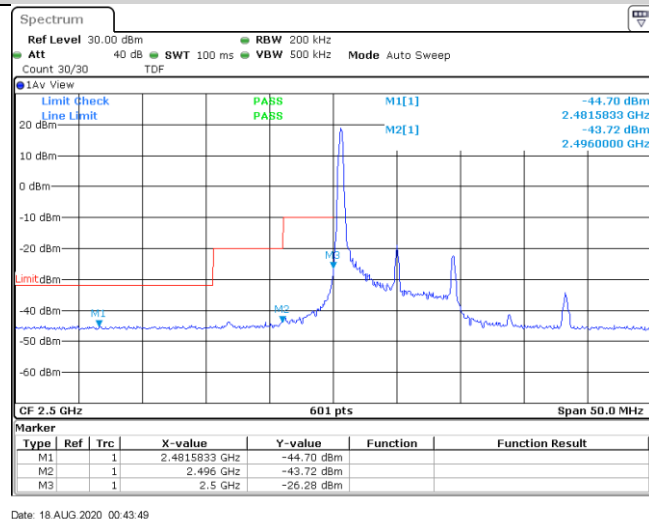
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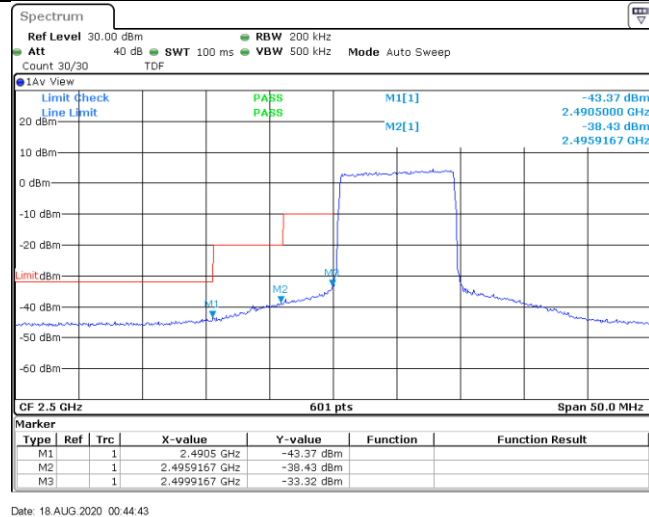
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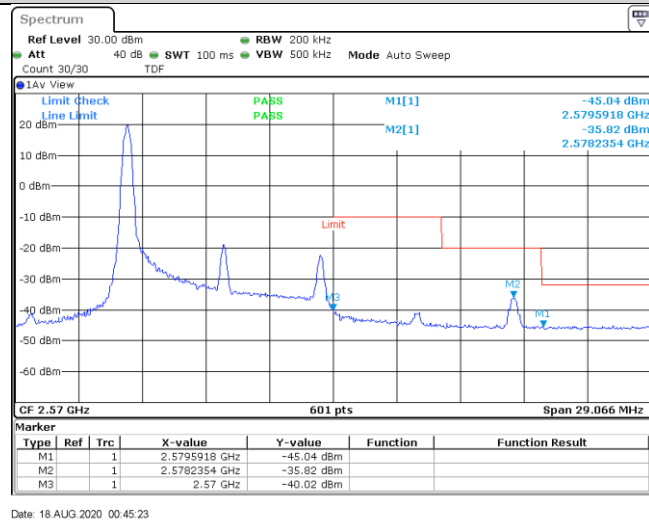
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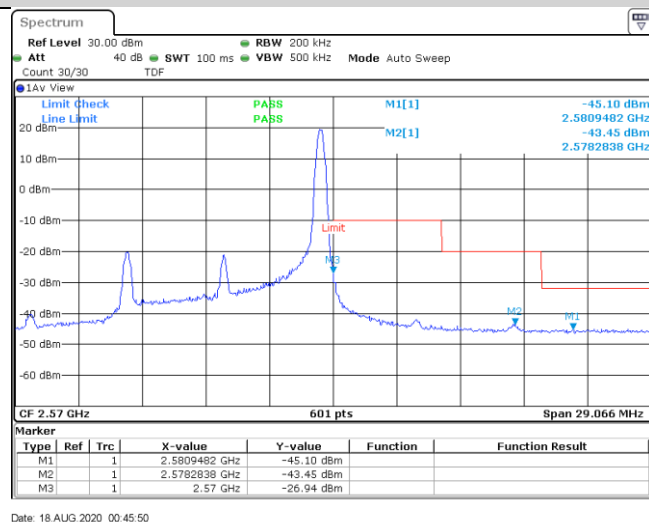
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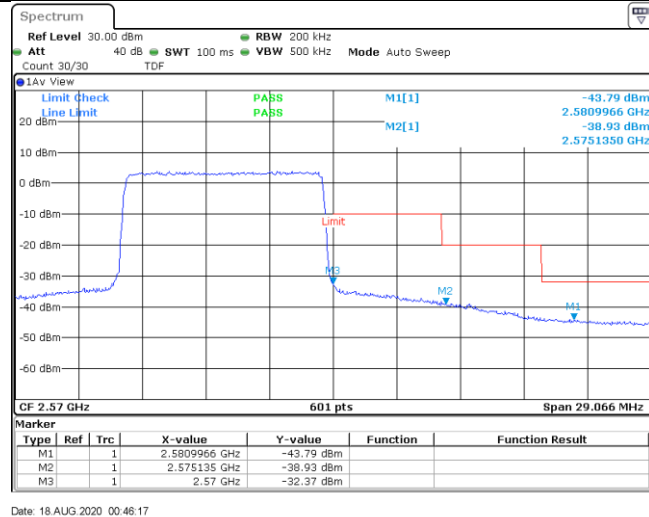
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### Band7-10MHz-16QAM-21400-1RB#49



### Band7-10MHz-16QAM-21400-50RB#0



### Band7-15MHz-QPSK-20825-1RB#0



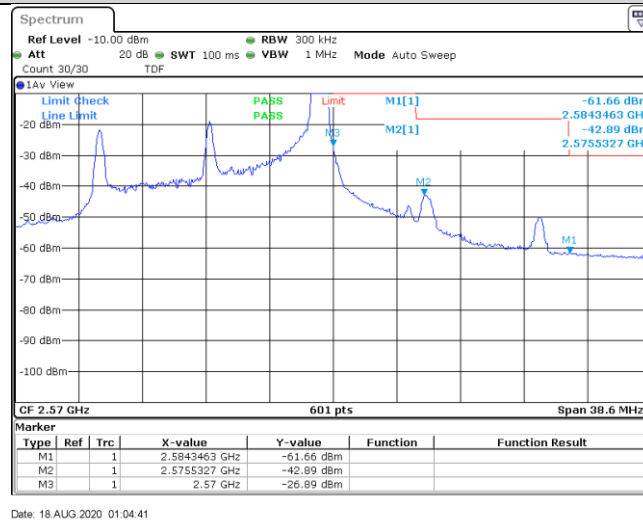
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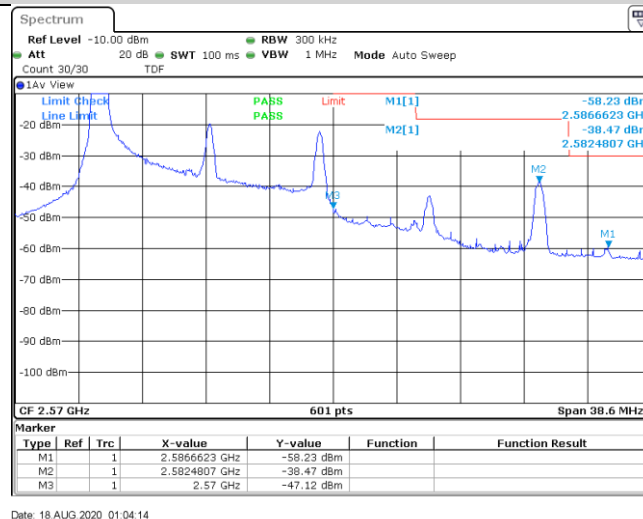
### Band7-15MHz-QPSK-20825-75RB#0



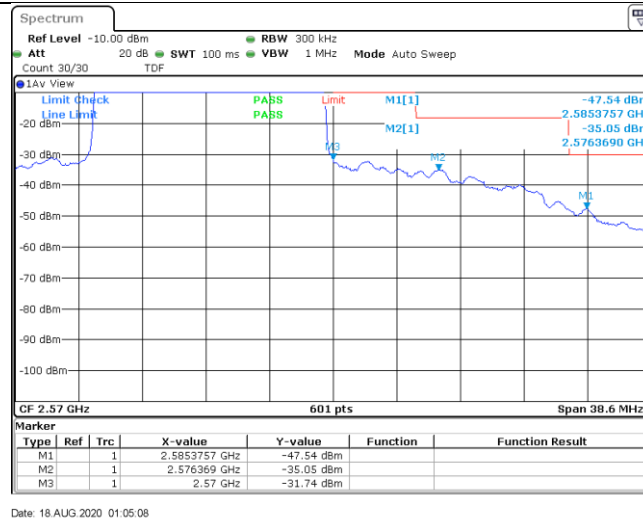
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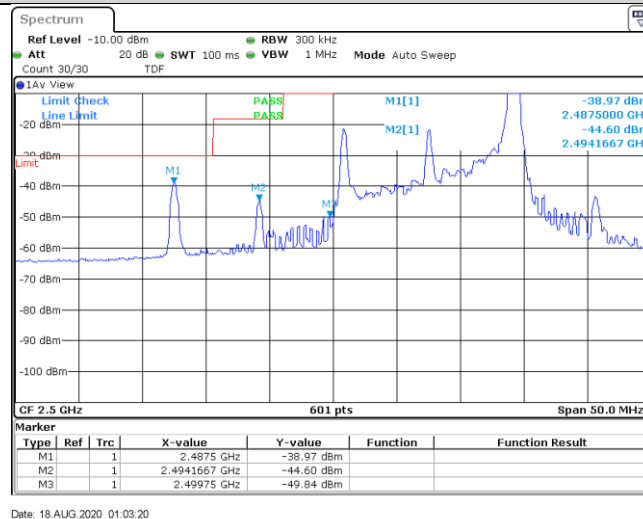
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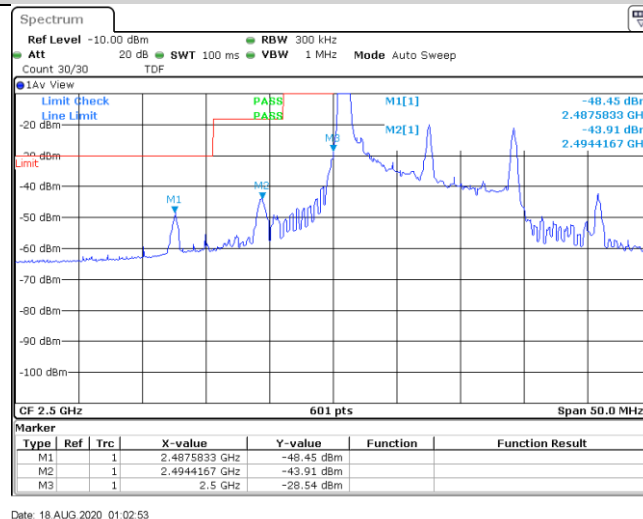
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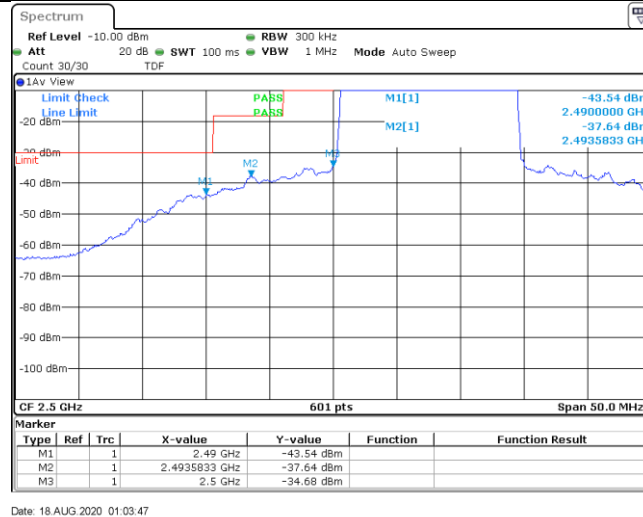
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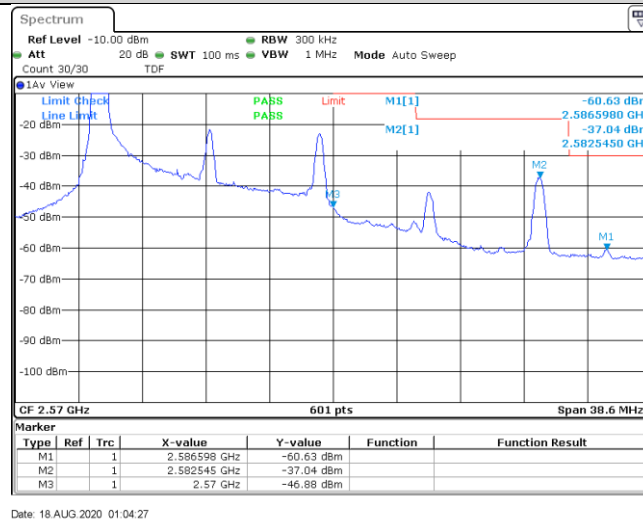
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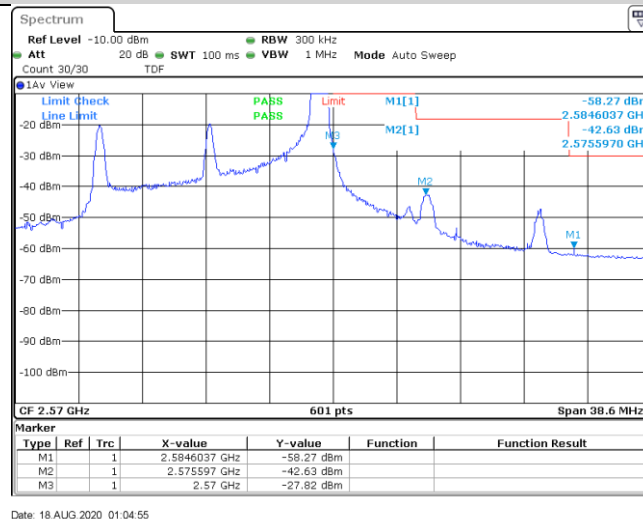
### Band7-15MHz-16QAM-20825-75RB#0



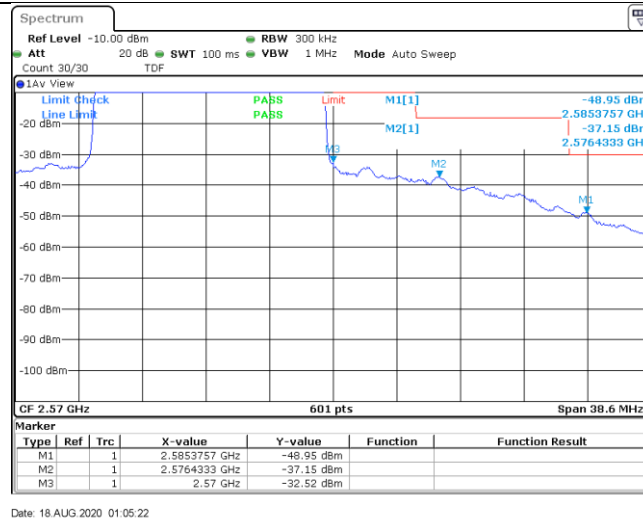
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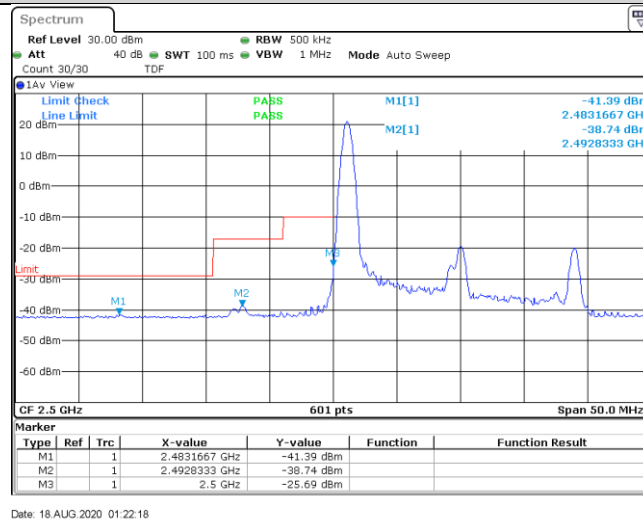
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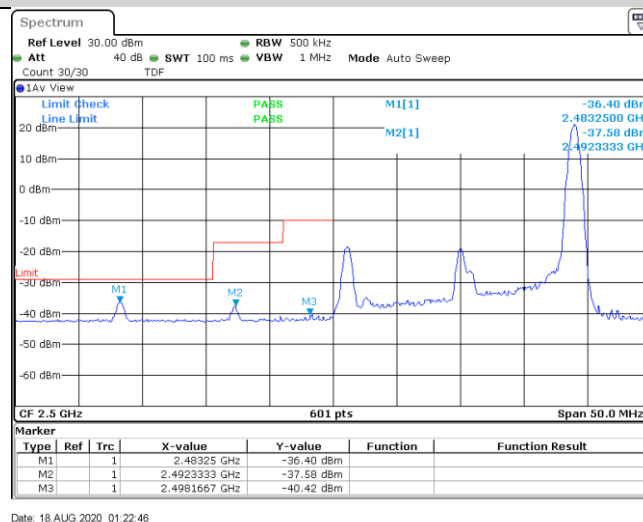
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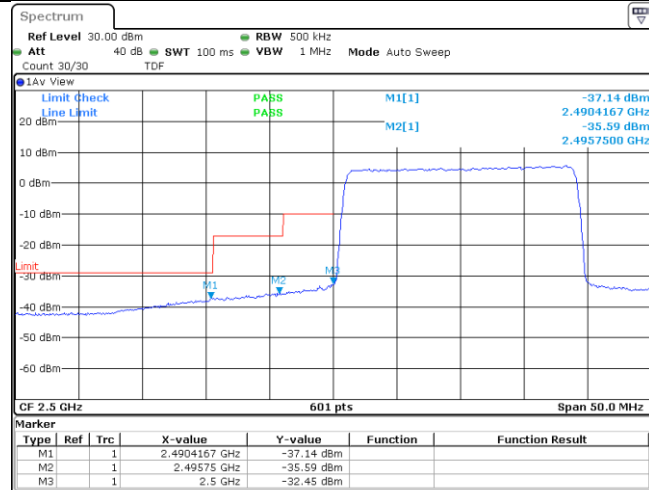
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### Band7-20MHz-QPSK-20850-1RB#99

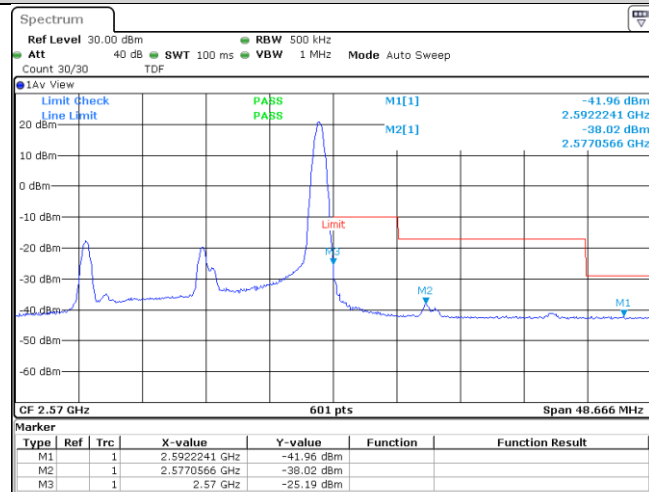


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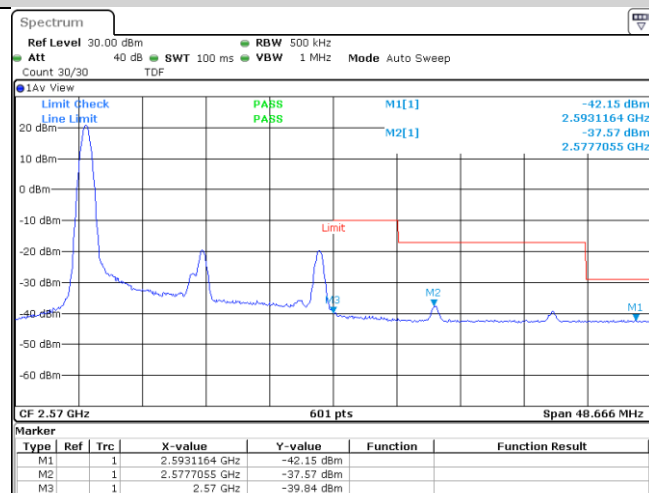
Date: 18 AUG 2020 01:23:14

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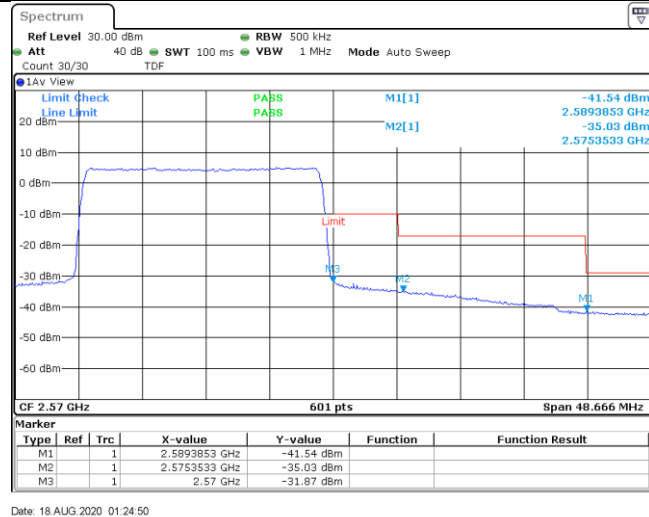
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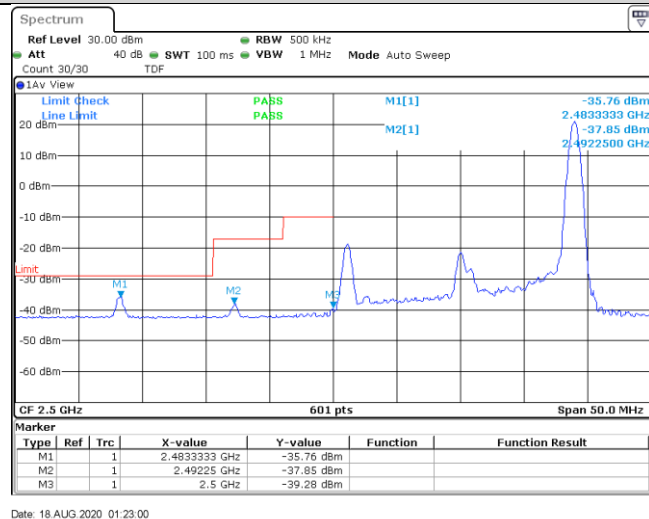


Date: 18 AUG 2020 01:23:55

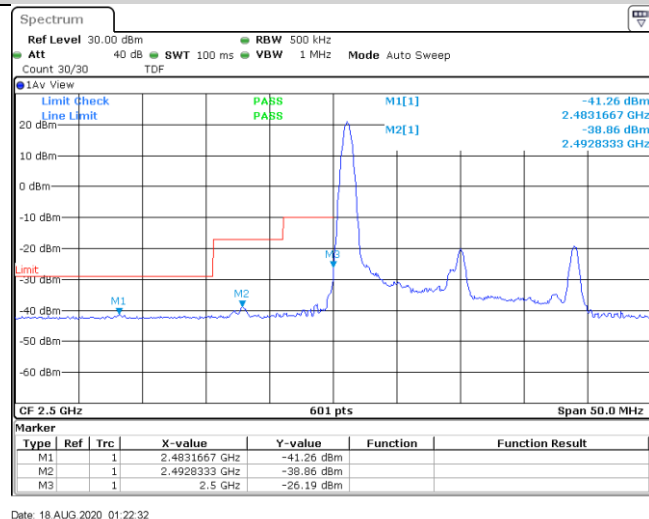
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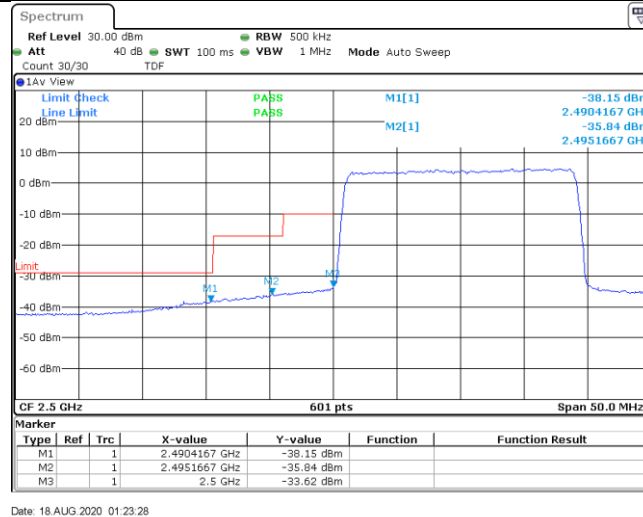
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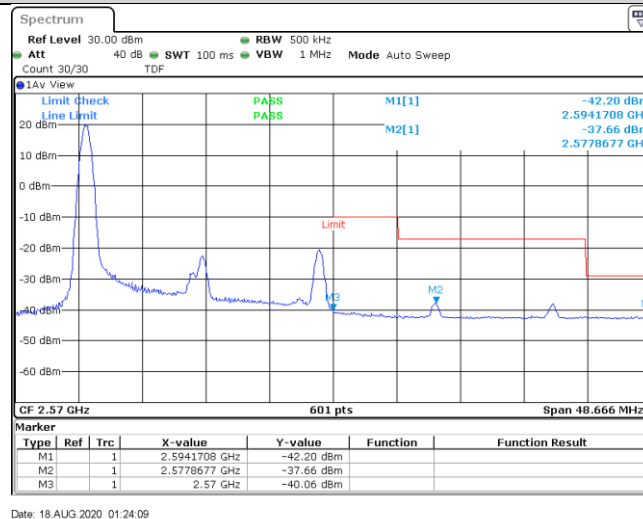
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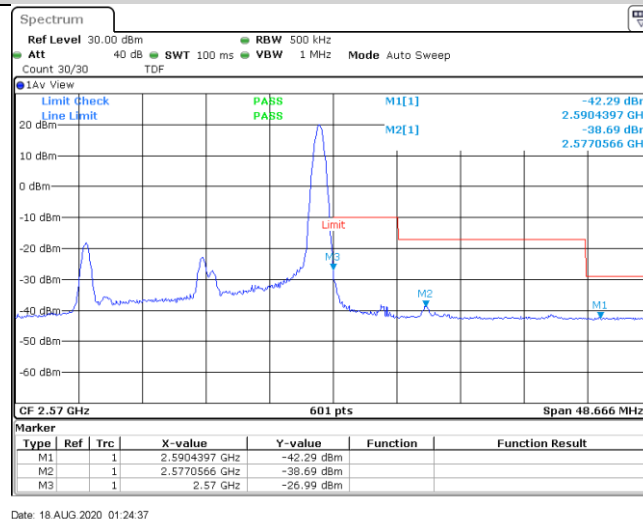
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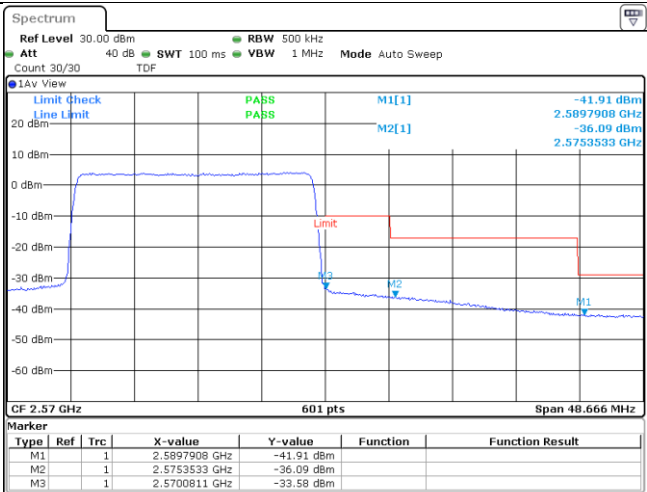
### Band7-20MHz-16QAM-21350-1RB#0



### Band7-20MHz-16QAM-21350-1RB#99



### Band7-20MHz-16QAM-21350-100RB#0



Date: 18 AUG 2020 01:25:04

## Appendix F: Spurious Emission at Antenna Terminals

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range       | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-----------------------|--------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | Range1:0.009~0.15MHz  | -58.14       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | Range2:0.15~30MHz     | -53.93       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | Range3:30~1000MHz     | -28.3        | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | Range4:1000~5000MHz   | -31.36       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | Range5:5000~12000MHz  | -39.59       | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 1RB#0            | Range6:12000~26500MHz | -61.22       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | Range1:0.009~0.15MHz  | -59.01       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | Range2:0.15~30MHz     | -54.96       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | Range3:30~1000MHz     | -29.06       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | Range4:1000~5000MHz   | -31.42       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | Range5:5000~12000MHz  | -38.28       | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 1RB#0            | Range6:12000~26500MHz | -61.4        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | Range1:0.009~0.15MHz  | -59.21       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | Range2:0.15~30MHz     | -53.6        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | Range3:30~1000MHz     | -28.93       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | Range4:1000~5000MHz   | -31.07       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | Range5:5000~12000MHz  | -39.71       | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 1RB#0            | Range6:12000~26500MHz | -61.41       | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | Range1:0.009~0.15MHz  | -62.22       | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | Range2:0.15~30MHz     | -53.43       | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | Range3:30~1000MHz     | -29.12       | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | Range4:1000~5000MHz   | -31.4        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | Range5:5000~12000MHz  | -41.2        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 1RB#0            | Range6:12000~26500MHz | -61.39       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#0            | Range1:0.009~0.15MHz  | -59.38       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#0            | Range2:0.15~30MHz     | -51.47       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#0            | Range3:30~1000MHz     | -28.54       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#0            | Range4:1000~5000MHz   | -31.3        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#0            | Range5:5000~12000MHz  | -39.05       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 1RB#0            | Range6:12000~26500MHz | -61.27       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#0            | Range1:0.009~0.15MHz  | -62.13       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#0            | Range2:0.15~30MHz     | -54.29       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#0            | Range3:30~1000MHz     | -28.53       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#0            | Range4:1000~5000MHz   | -31.41       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#0            | Range5:5000~12000MHz  | -41.02       | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 1RB#0            | Range6:12000~26500MHz | -61.17       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0            | Range1:0.009~0.15MHz  | -59.17       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0            | Range2:0.15~30MHz     | -54.34       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0            | Range3:30~1000MHz     | -28.24       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0            | Range4:1000~5000MHz   | -31.06       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0            | Range5:5000~12000MHz  | -39.73       | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 1RB#0            | Range6:12000~26500MHz | -61.42       | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 1RB#0            | Range1:0.009~0.15MHz  | -58.57       | PASS    |

## Total Quality. Assured.

|       |       |       |       |       |                       |        |      |
|-------|-------|-------|-------|-------|-----------------------|--------|------|
| Band7 | 10MHz | QPSK  | 21100 | 1RB#0 | Range2:0.15~30MHz     | -53.16 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#0 | Range3:30~1000MHz     | -28.1  | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#0 | Range4:1000~5000MHz   | -31.37 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#0 | Range5:5000~12000MHz  | -38.26 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#0 | Range6:12000~26500MHz | -61.4  | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0 | Range1:0.009~0.15MHz  | -59.59 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0 | Range2:0.15~30MHz     | -54.69 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0 | Range3:30~1000MHz     | -28.69 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0 | Range4:1000~5000MHz   | -31.41 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0 | Range5:5000~12000MHz  | -38.39 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0 | Range6:12000~26500MHz | -61.2  | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0 | Range1:0.009~0.15MHz  | -61.08 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0 | Range2:0.15~30MHz     | -53.32 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0 | Range3:30~1000MHz     | -28.73 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0 | Range4:1000~5000MHz   | -31.45 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0 | Range5:5000~12000MHz  | -40.17 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0 | Range6:12000~26500MHz | -61.39 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0 | Range1:0.009~0.15MHz  | -56.25 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0 | Range2:0.15~30MHz     | -54.38 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0 | Range3:30~1000MHz     | -29.07 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0 | Range4:1000~5000MHz   | -31.41 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0 | Range5:5000~12000MHz  | -37.11 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0 | Range6:12000~26500MHz | -61.44 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0 | Range1:0.009~0.15MHz  | -60.06 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0 | Range2:0.15~30MHz     | -53.56 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0 | Range3:30~1000MHz     | -28.19 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0 | Range4:1000~5000MHz   | -31.51 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0 | Range5:5000~12000MHz  | -38.45 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0 | Range6:12000~26500MHz | -61.37 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0 | Range1:0.009~0.15MHz  | -58.9  | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0 | Range2:0.15~30MHz     | -54.7  | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0 | Range3:30~1000MHz     | -28.71 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0 | Range4:1000~5000MHz   | -31.35 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0 | Range5:5000~12000MHz  | -39.69 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0 | Range6:12000~26500MHz | -61.28 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0 | Range1:0.009~0.15MHz  | -58.8  | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0 | Range2:0.15~30MHz     | -53.26 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0 | Range3:30~1000MHz     | -28.48 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0 | Range4:1000~5000MHz   | -31.27 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0 | Range5:5000~12000MHz  | -38.16 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0 | Range6:12000~26500MHz | -61.31 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0 | Range1:0.009~0.15MHz  | -59.18 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0 | Range2:0.15~30MHz     | -53.86 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0 | Range3:30~1000MHz     | -29.05 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0 | Range4:1000~5000MHz   | -31.32 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0 | Range5:5000~12000MHz  | -37.71 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0 | Range6:12000~26500MHz | -61.45 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0 | Range1:0.009~0.15MHz  | -60.39 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0 | Range2:0.15~30MHz     | -53.88 | PASS |

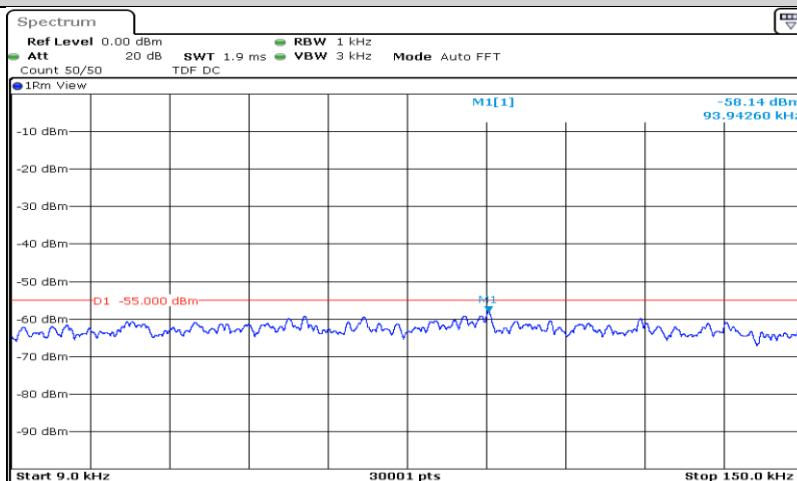
## Total Quality. Assured.

|       |       |       |       |       |                       |        |      |
|-------|-------|-------|-------|-------|-----------------------|--------|------|
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0 | Range3:30~1000MHz     | -28.22 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0 | Range4:1000~5000MHz   | -31.3  | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0 | Range5:5000~12000MHz  | -40.41 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0 | Range6:12000~26500MHz | -61.2  | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0 | Range1:0.009~0.15MHz  | -56.54 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0 | Range2:0.15~30MHz     | -54.61 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0 | Range3:30~1000MHz     | -28.64 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0 | Range4:1000~5000MHz   | -31.43 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0 | Range5:5000~12000MHz  | -37.23 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0 | Range6:12000~26500MHz | -61.43 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0 | Range1:0.009~0.15MHz  | -59.62 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0 | Range2:0.15~30MHz     | -54.45 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0 | Range3:30~1000MHz     | -28.25 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0 | Range4:1000~5000MHz   | -31.32 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0 | Range5:5000~12000MHz  | -38.34 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0 | Range6:12000~26500MHz | -61.26 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0 | Range1:0.009~0.15MHz  | -57.55 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0 | Range2:0.15~30MHz     | -53.65 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0 | Range3:30~1000MHz     | -28.93 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0 | Range4:1000~5000MHz   | -31.44 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0 | Range5:5000~12000MHz  | -39.44 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0 | Range6:12000~26500MHz | -61.38 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0 | Range1:0.009~0.15MHz  | -59.09 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0 | Range2:0.15~30MHz     | -53.46 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0 | Range3:30~1000MHz     | -28.61 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0 | Range4:1000~5000MHz   | -31.28 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0 | Range5:5000~12000MHz  | -37.58 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0 | Range6:12000~26500MHz | -61.34 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0 | Range1:0.009~0.15MHz  | -58.27 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0 | Range2:0.15~30MHz     | -55.04 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0 | Range3:30~1000MHz     | -28.97 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0 | Range4:1000~5000MHz   | -31.26 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0 | Range5:5000~12000MHz  | -37.3  | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0 | Range6:12000~26500MHz | -61.23 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0 | Range1:0.009~0.15MHz  | -59.61 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0 | Range2:0.15~30MHz     | -53.99 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0 | Range3:30~1000MHz     | -28.63 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0 | Range4:1000~5000MHz   | -31.44 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0 | Range5:5000~12000MHz  | -40.07 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0 | Range6:12000~26500MHz | -61.33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0 | Range1:0.009~0.15MHz  | -60.11 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0 | Range2:0.15~30MHz     | -54.59 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0 | Range3:30~1000MHz     | -28.5  | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0 | Range4:1000~5000MHz   | -31.54 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0 | Range5:5000~12000MHz  | -38.05 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0 | Range6:12000~26500MHz | -61.54 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0 | Range1:0.009~0.15MHz  | -61.04 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0 | Range2:0.15~30MHz     | -55.08 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0 | Range3:30~1000MHz     | -27.45 | PASS |

Total Quality. Assured.

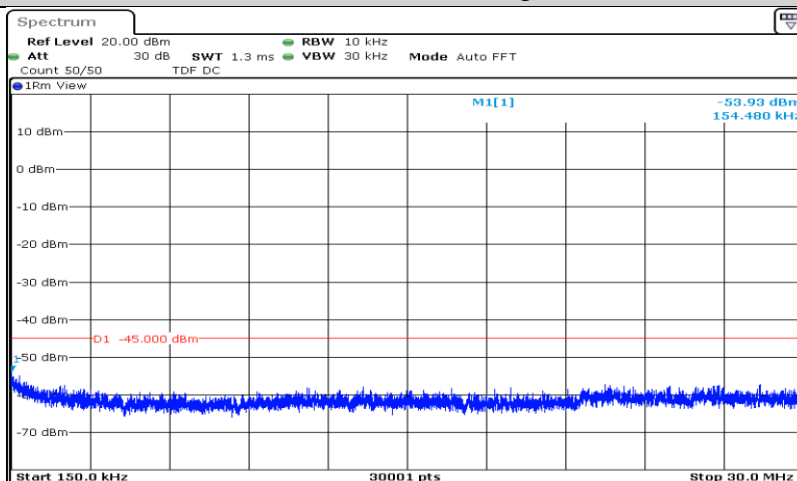
|       |       |       |       |       |                       |        |      |
|-------|-------|-------|-------|-------|-----------------------|--------|------|
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0 | Range4:1000~5000MHz   | -31.3  | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0 | Range5:5000~12000MHz  | -39.54 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0 | Range6:12000~26500MHz | -61.47 | PASS |

Band7-5MHz-QPSK-20775-1RB#0-Range1:0.009~0.15MHz



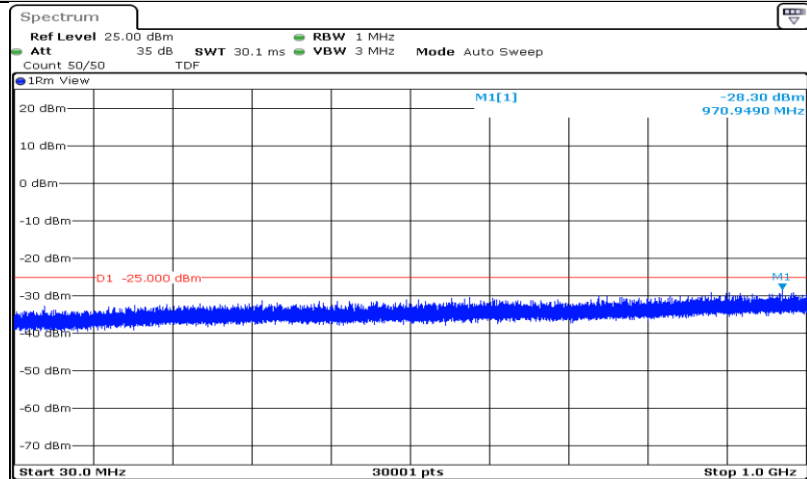
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Band7-5MHz-QPSK-20775-1RB#0-Range2:0.15~30MHz



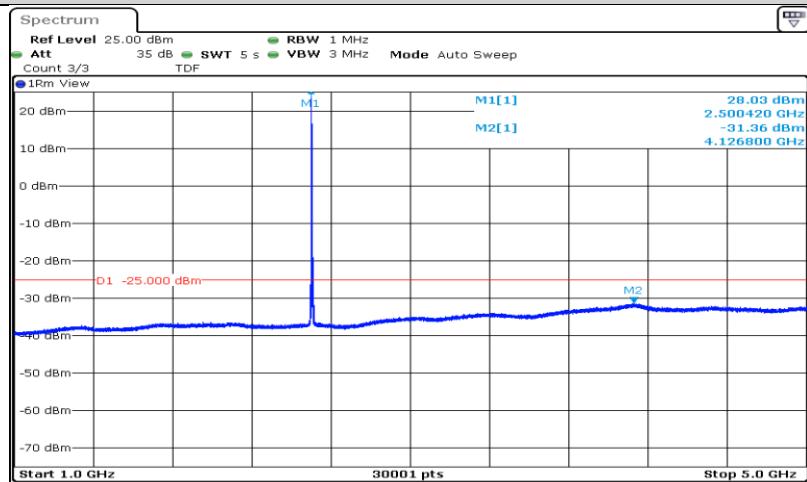
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Band7-5MHz-QPSK-20775-1RB#0-Range3:30~1000MHz



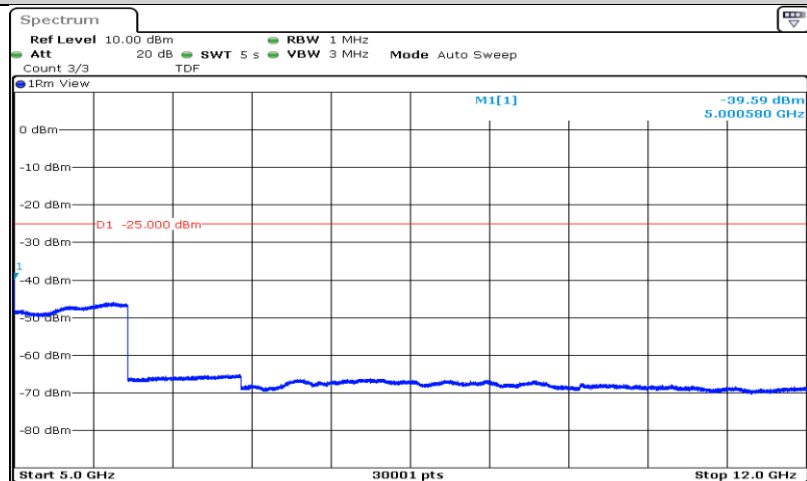
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Band7-5MHz-QPSK-20775-1RB#0-Range4:1000~5000MHz



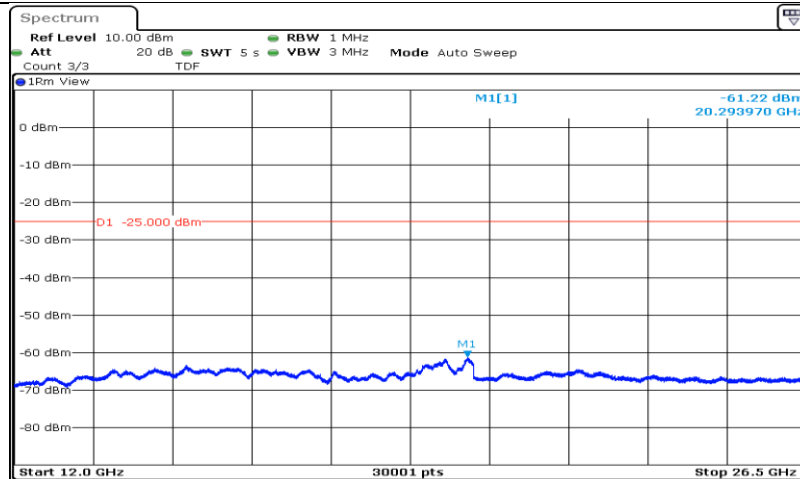
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Date: 22.SEP.2020 11:46:09

Band7-5MHz-QPSK-20775-1RB#0-Range5:5000~12000MHz



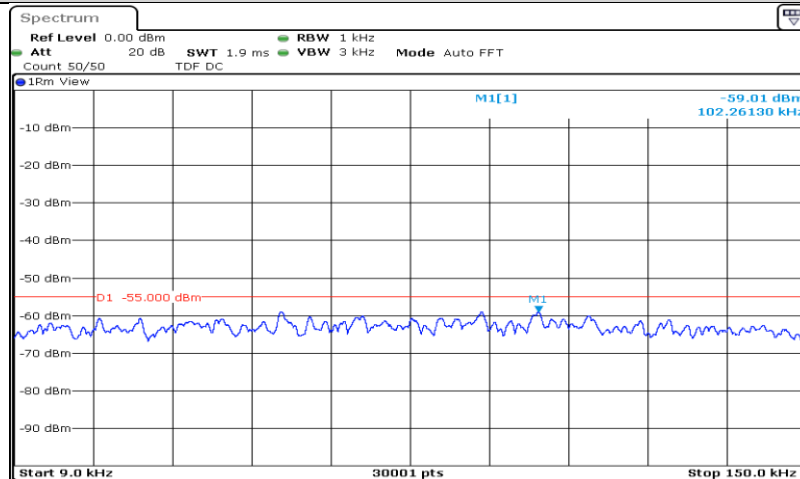
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Date: 22.SEP.2020 11:46:32

Band7-5MHz-QPSK-20775-1RB#0-Range6:12000~26500MHz



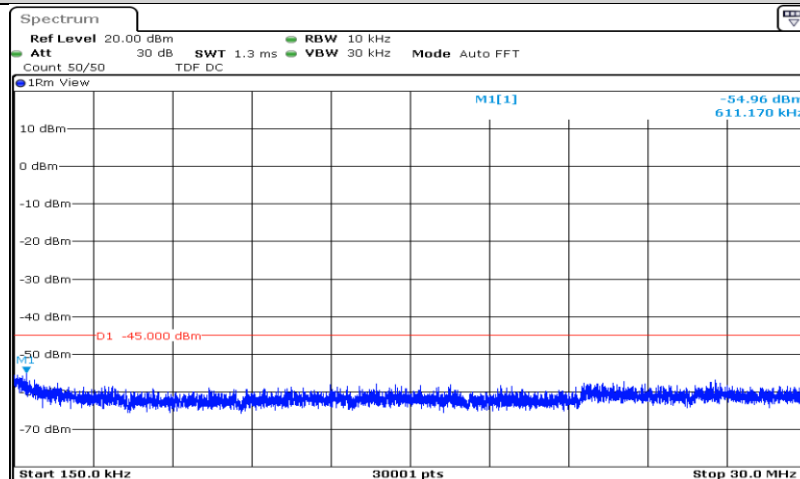
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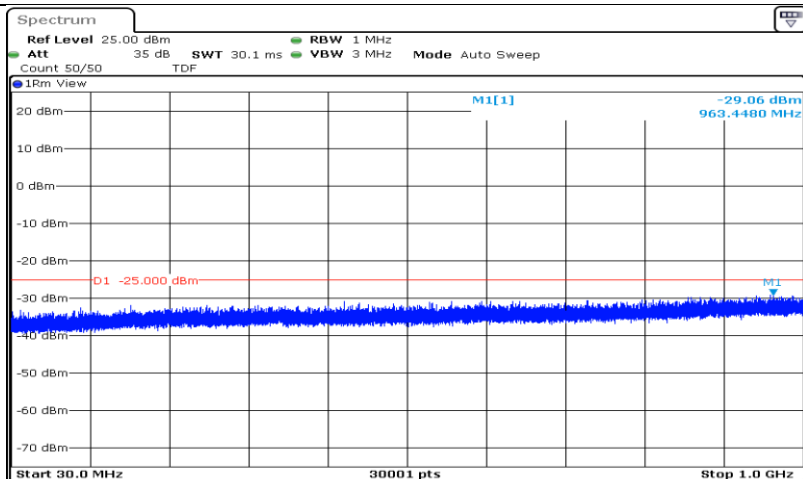
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Date: 22.SEP.2020 11:48:36

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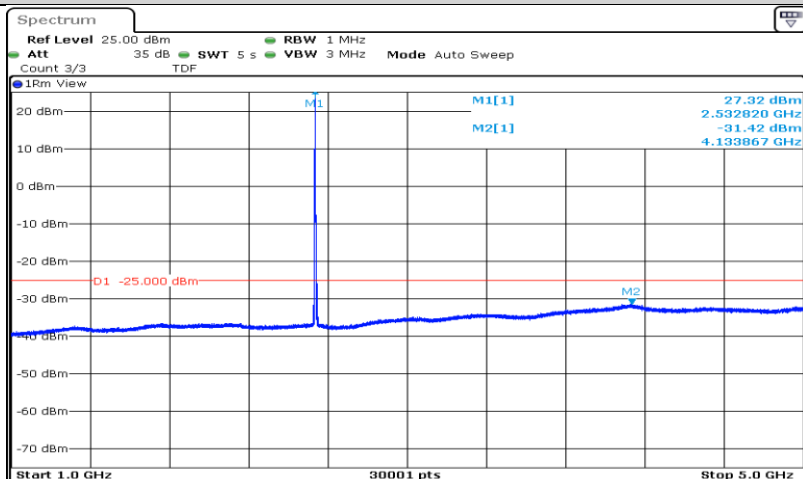
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Date: 22.SEP.2020 11:48:42

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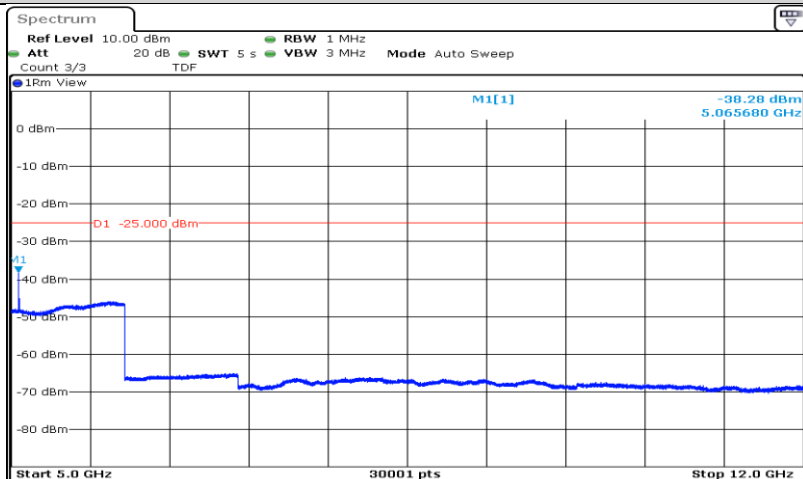
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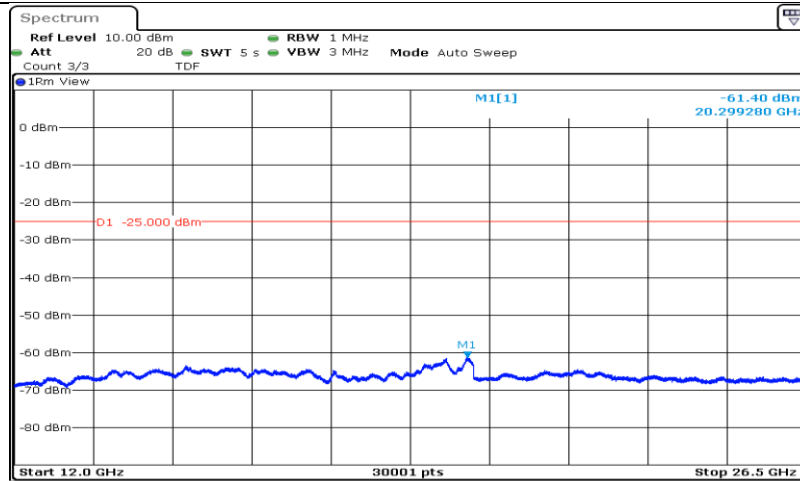
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Date: 22.SEP.2020 11:49:14

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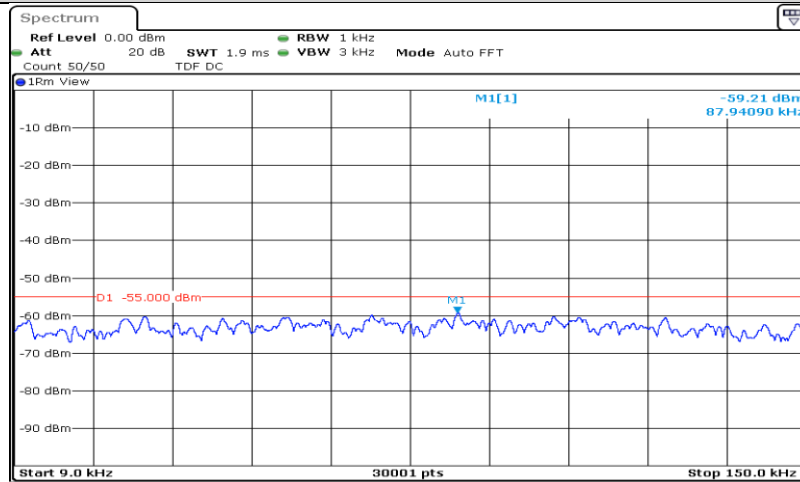
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#### Band7-5MHz-QPSK-21100-1RB#0-Range6:12000~26500MHz



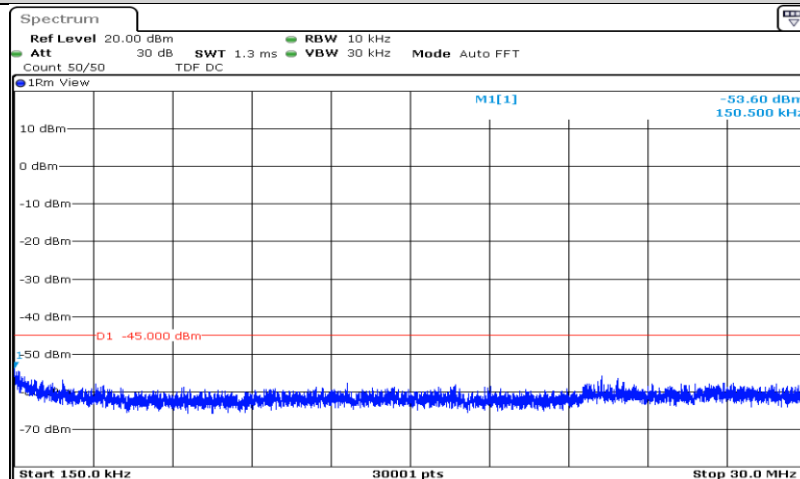
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Band7-5MHz-QPSK-21425-1RB#0-Range1:0.009~0.15MHz



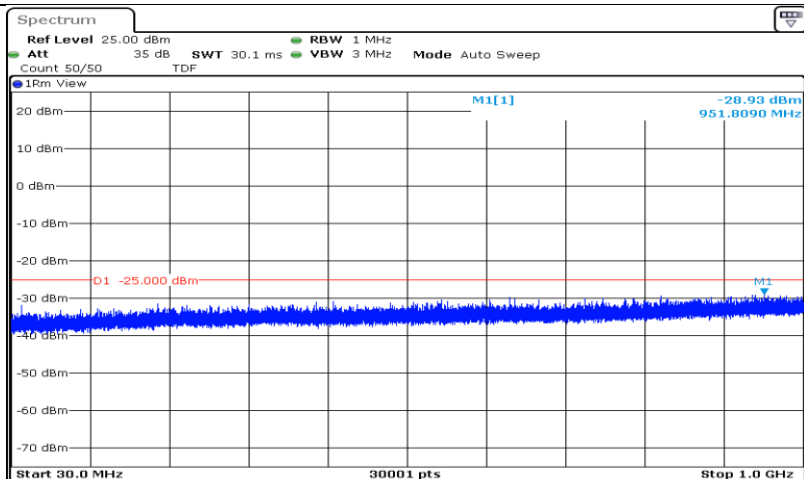
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Band7-5MHz-QPSK-21425-1RB#0-Range2:0.15~30MHz



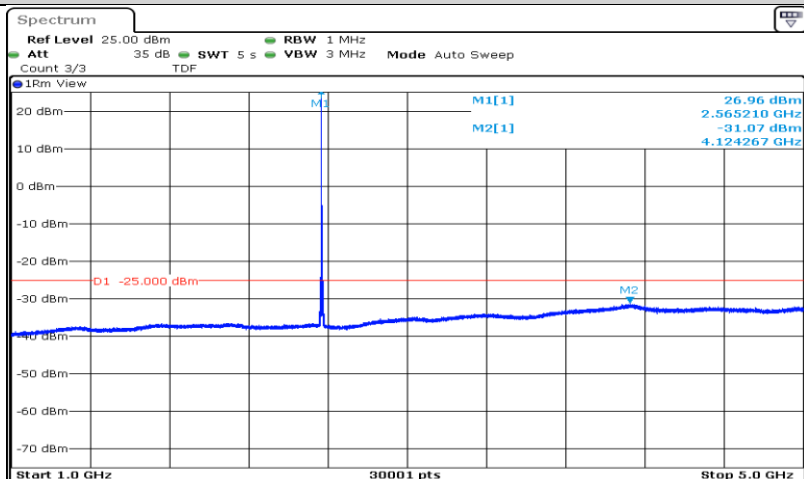
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Band7-5MHz-QPSK-21425-1RB#0-Range3:30~1000MHz



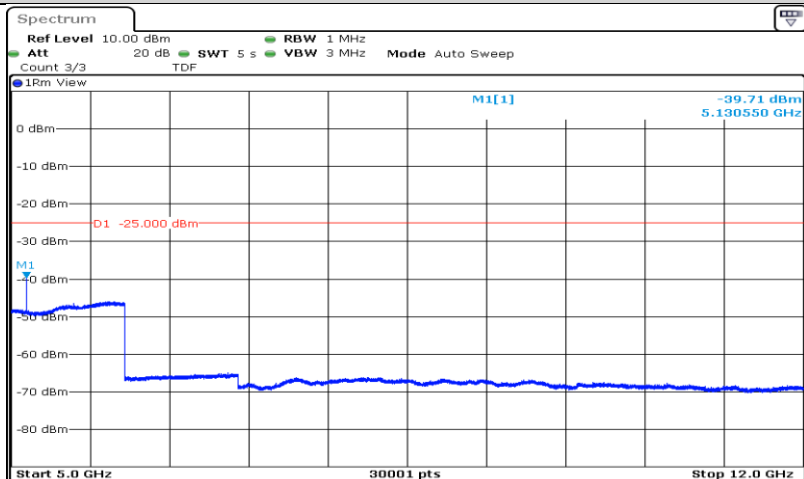
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### Band7-5MHz-QPSK-21425-1RB#0-Range4:1000~5000MHz



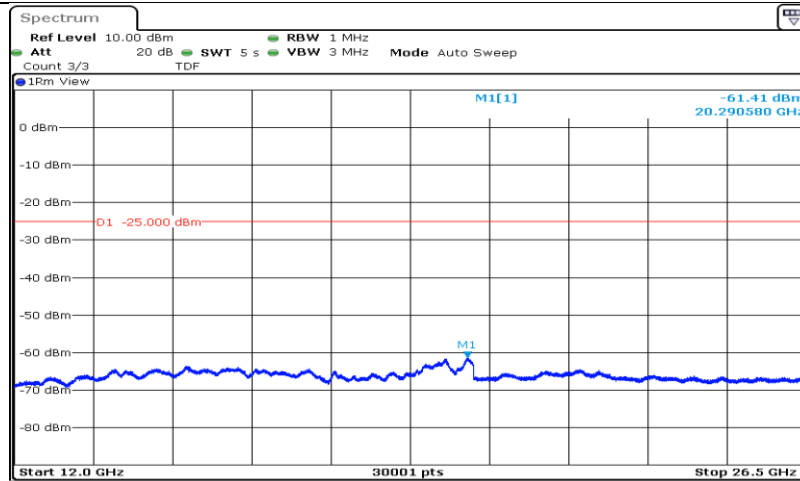
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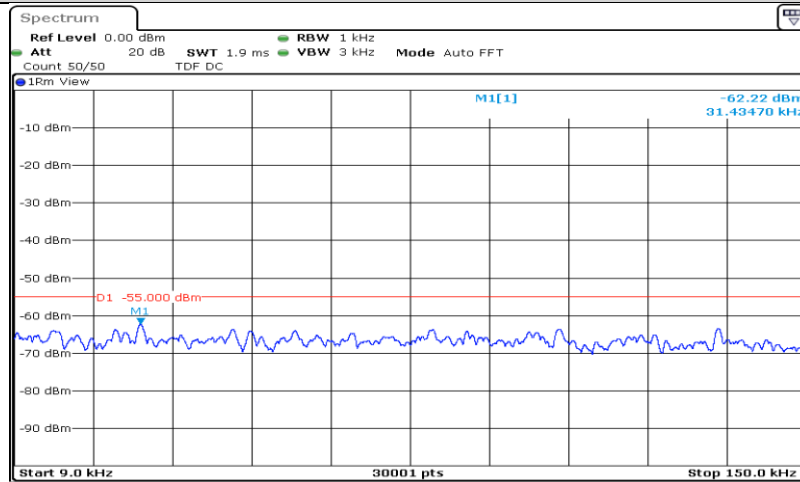
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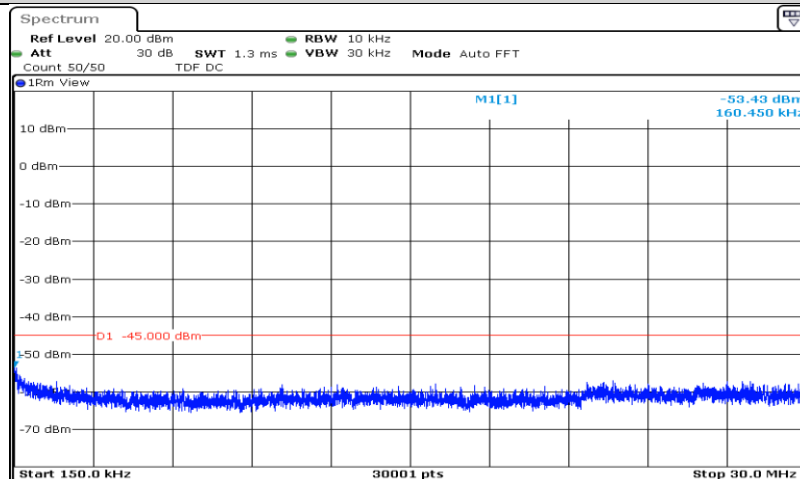
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Band7-5MHz-16QAM-20775-1RB#0-Range1:0.009~0.15MHz



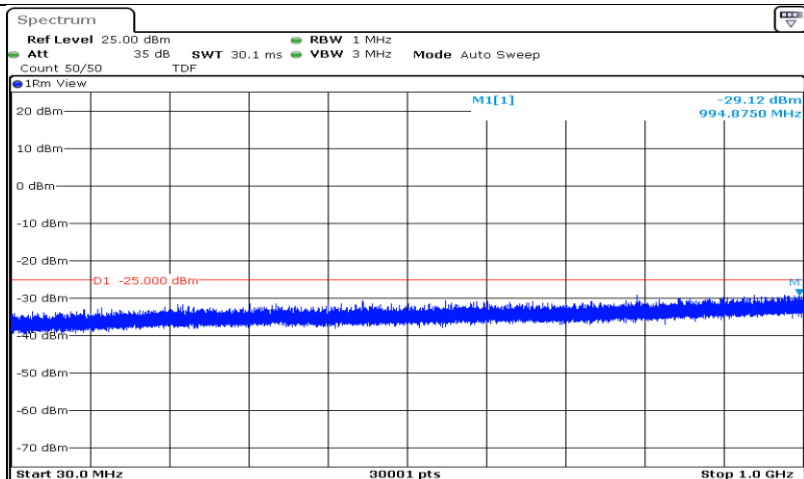
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Band7-5MHz-16QAM-20775-1RB#0-Range2:0.15~30MHz



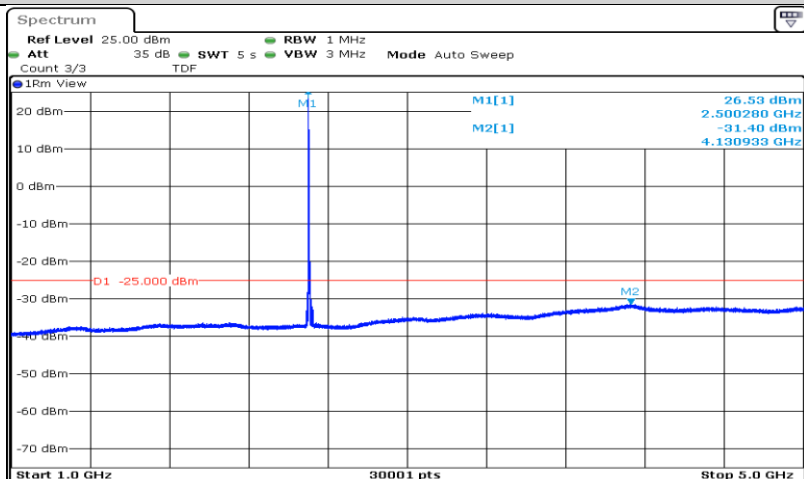
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Band7-5MHz-16QAM-20775-1RB#0-Range3:30~1000MHz



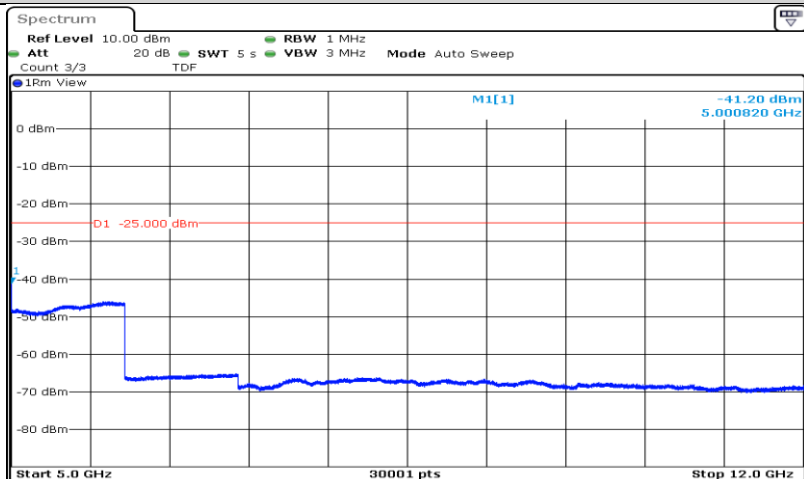
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Band7-5MHz-16QAM-20775-1RB#0-Range4:1000~5000MHz



P  
Date: 22.SEP.2020 11:47:40

Band7-5MHz-16QAM-20775-1RB#0-Range5:5000~12000MHz



P  
Date: 22.SEP.2020 11:48:03

Band7-5MHz-16QAM-20775-1RB#0-Range6:12000~26500MHz