

Appendix B.20

LTE CA_2C



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Effective (Isotropic) Radiated Power Output Data

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|------|-------------|---------------|-------------|------------------|-------------|------------|-------------|---------|
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 18653-18773 | 1RB#0-0RB#0 | 24.39 | 24.64 | 33 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 18653-18773 | 50RB#0-75RB#0 | 21.38 | 21.63 | 33 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 18829-18949 | 1RB#0-0RB#0 | 24.61 | 24.86 | 33 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 18829-18949 | 50RB#0-75RB#0 | 21.78 | 22.03 | 33 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 19005-19125 | 1RB#0-0RB#0 | 24.67 | 24.92 | 33 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 19005-19125 | 50RB#0-75RB#0 | 21.58 | 21.83 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18653-18773 | 1RB#0-0RB#0 | 22.79 | 23.04 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18653-18773 | 50RB#0-75RB#0 | 20.37 | 20.62 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18829-18949 | 1RB#0-0RB#0 | 23.1 | 23.35 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18829-18949 | 50RB#0-75RB#0 | 20.82 | 21.07 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 19005-19125 | 1RB#0-0RB#0 | 23.18 | 23.43 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 19005-19125 | 50RB#0-75RB#0 | 20.6 | 20.85 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18653-18773 | 1RB#0-0RB#0 | 21.45 | 21.7 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18653-18773 | 50RB#0-75RB#0 | 19.48 | 19.73 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18829-18949 | 1RB#0-0RB#0 | 22.1 | 22.35 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18829-18949 | 50RB#0-75RB#0 | 19.87 | 20.12 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 19005-19125 | 1RB#0-0RB#0 | 22.23 | 22.48 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 19005-19125 | 50RB#0-75RB#0 | 19.65 | 19.9 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18653-18773 | 1RB#0-0RB#0 | 18.6 | 18.85 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18653-18773 | 50RB#0-75RB#0 | 18.59 | 18.84 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18829-18949 | 1RB#0-0RB#0 | 19.18 | 19.43 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18829-18949 | 50RB#0-75RB#0 | 19.01 | 19.26 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 19005-19125 | 1RB#0-0RB#0 | 19.24 | 19.49 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 19005-19125 | 50RB#0-75RB#0 | 18.74 | 18.99 | 33 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18655-18799 | 1RB#0-0RB#0 | 24.15 | 24.4 | 33 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18655-18799 | 50RB#0-100RB#0 | 21.27 | 21.52 | 33 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18806-18950 | 1RB#0-0RB#0 | 24.19 | 24.44 | 33 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18806-18950 | 50RB#0-100RB#0 | 21.64 | 21.89 | 33 | PASS |



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| | | | | | | | | |
|-----|-------------|---------------|-------------|----------------|-------|-------|----|------|
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18956-19100 | 1RB#0-0RB#0 | 24.36 | 24.61 | 33 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18956-19100 | 50RB#0-100RB#0 | 21.45 | 21.7 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18655-18799 | 1RB#0-0RB#0 | 22.56 | 22.81 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18655-18799 | 50RB#0-100RB#0 | 20.26 | 20.51 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18806-18950 | 1RB#0-0RB#0 | 22.85 | 23.1 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18806-18950 | 50RB#0-100RB#0 | 20.65 | 20.9 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18956-19100 | 1RB#0-0RB#0 | 22.96 | 23.21 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18956-19100 | 50RB#0-100RB#0 | 20.54 | 20.79 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18655-18799 | 1RB#0-0RB#0 | 21.38 | 21.63 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18655-18799 | 50RB#0-100RB#0 | 19.34 | 19.59 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18806-18950 | 1RB#0-0RB#0 | 21.79 | 22.04 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18806-18950 | 50RB#0-100RB#0 | 19.73 | 19.98 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18956-19100 | 1RB#0-0RB#0 | 21.9 | 22.15 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18956-19100 | 50RB#0-100RB#0 | 19.75 | 20 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18655-18799 | 1RB#0-0RB#0 | 18.48 | 18.73 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18655-18799 | 50RB#0-100RB#0 | 18.44 | 18.69 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18806-18950 | 1RB#0-0RB#0 | 18.93 | 19.18 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18806-18950 | 50RB#0-100RB#0 | 18.92 | 19.17 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18956-19100 | 1RB#0-0RB#0 | 19.12 | 19.37 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18956-19100 | 50RB#0-100RB#0 | 18.71 | 18.96 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18675-18795 | 1RB#0-0RB#0 | 24.77 | 25.02 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18675-18795 | 75RB#0-50RB#0 | 21.38 | 21.63 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18851-18971 | 1RB#0-0RB#0 | 24.64 | 24.89 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18851-18971 | 75RB#0-50RB#0 | 21.81 | 22.06 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 19027-19147 | 1RB#0-0RB#0 | 24.33 | 24.58 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 19027-19147 | 75RB#0-50RB#0 | 21.28 | 21.53 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18675-18795 | 1RB#0-0RB#0 | 22.97 | 23.22 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18675-18795 | 75RB#0-50RB#0 | 20.36 | 20.61 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18851-18971 | 1RB#0-0RB#0 | 23.05 | 23.3 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18851-18971 | 75RB#0-50RB#0 | 20.81 | 21.06 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 19027-19147 | 1RB#0-0RB#0 | 22.99 | 23.24 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 19027-19147 | 75RB#0-50RB#0 | 20.37 | 20.62 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18675-18795 | 1RB#0-0RB#0 | 21.61 | 21.86 | 33 | PASS |



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|-----|-------------|---------------|-------------|---------------|-------|-------|----|------|
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18675-18795 | 75RB#0-50RB#0 | 19.38 | 19.63 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18851-18971 | 1RB#0-0RB#0 | 22.02 | 22.27 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18851-18971 | 75RB#0-50RB#0 | 19.91 | 20.16 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 19027-19147 | 1RB#0-0RB#0 | 21.9 | 22.15 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 19027-19147 | 75RB#0-50RB#0 | 19.49 | 19.74 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18675-18795 | 1RB#0-0RB#0 | 18.41 | 18.66 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18675-18795 | 75RB#0-50RB#0 | 18.49 | 18.74 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18851-18971 | 1RB#0-0RB#0 | 19.18 | 19.43 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18851-18971 | 75RB#0-50RB#0 | 19.02 | 19.27 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 19027-19147 | 1RB#0-0RB#0 | 19.15 | 19.4 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 19027-19147 | 75RB#0-50RB#0 | 18.58 | 18.83 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18675-18825 | 1RB#0-0RB#0 | 24.5 | 24.75 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18675-18825 | 75RB#0-75RB#0 | 21.53 | 21.78 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18825-18975 | 1RB#0-0RB#0 | 24.86 | 25.11 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18825-18975 | 75RB#0-75RB#0 | 21.83 | 22.08 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18975-19125 | 1RB#0-0RB#0 | 24.44 | 24.69 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18975-19125 | 75RB#0-75RB#0 | 21.56 | 21.81 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18675-18825 | 1RB#0-0RB#0 | 22.79 | 23.04 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18675-18825 | 75RB#0-75RB#0 | 20.57 | 20.82 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18825-18975 | 1RB#0-0RB#0 | 23.21 | 23.46 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18825-18975 | 75RB#0-75RB#0 | 20.85 | 21.1 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18975-19125 | 1RB#0-0RB#0 | 23.03 | 23.28 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18975-19125 | 75RB#0-75RB#0 | 20.59 | 20.84 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18675-18825 | 1RB#0-0RB#0 | 21.53 | 21.78 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18675-18825 | 75RB#0-75RB#0 | 19.67 | 19.92 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18825-18975 | 1RB#0-0RB#0 | 22.01 | 22.26 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18825-18975 | 75RB#0-75RB#0 | 19.94 | 20.19 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18975-19125 | 1RB#0-0RB#0 | 22 | 22.25 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18975-19125 | 75RB#0-75RB#0 | 19.65 | 19.9 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18675-18825 | 1RB#0-0RB#0 | 18.52 | 18.77 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18675-18825 | 75RB#0-75RB#0 | 18.75 | 19 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18825-18975 | 1RB#0-0RB#0 | 19.17 | 19.42 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18825-18975 | 75RB#0-75RB#0 | 19.08 | 19.33 | 33 | PASS |



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|-----|-------------|---------------|-------------|----------------|-------|-------|----|------|
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18975-19125 | 1RB#0-0RB#0 | 19.29 | 19.54 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18975-19125 | 75RB#0-75RB#0 | 18.79 | 19.04 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18678-18849 | 1RB#0-0RB#0 | 24.13 | 24.38 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18678-18849 | 75RB#0-100RB#0 | 21.49 | 21.74 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18803-18974 | 1RB#0-0RB#0 | 24.37 | 24.62 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18803-18974 | 75RB#0-100RB#0 | 21.81 | 22.06 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18929-19100 | 1RB#0-0RB#0 | 24.91 | 25.16 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18929-19100 | 75RB#0-100RB#0 | 21.62 | 21.87 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18678-18849 | 1RB#0-0RB#0 | 22.64 | 22.89 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18678-18849 | 75RB#0-100RB#0 | 20.55 | 20.8 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18803-18974 | 1RB#0-0RB#0 | 22.86 | 23.11 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18803-18974 | 75RB#0-100RB#0 | 20.87 | 21.12 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18929-19100 | 1RB#0-0RB#0 | 23.4 | 23.65 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18929-19100 | 75RB#0-100RB#0 | 20.78 | 21.03 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18678-18849 | 1RB#0-0RB#0 | 21.48 | 21.73 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18678-18849 | 75RB#0-100RB#0 | 19.66 | 19.91 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18803-18974 | 1RB#0-0RB#0 | 21.83 | 22.08 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18803-18974 | 75RB#0-100RB#0 | 20.02 | 20.27 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18929-19100 | 1RB#0-0RB#0 | 22.13 | 22.38 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18929-19100 | 75RB#0-100RB#0 | 19.87 | 20.12 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18678-18849 | 1RB#0-0RB#0 | 18.43 | 18.68 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18678-18849 | 75RB#0-100RB#0 | 18.77 | 19.02 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18803-18974 | 1RB#0-0RB#0 | 19.06 | 19.31 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18803-18974 | 75RB#0-100RB#0 | 19.04 | 19.29 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18929-19100 | 1RB#0-0RB#0 | 19.23 | 19.48 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18929-19100 | 75RB#0-100RB#0 | 18.93 | 19.18 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18700-18844 | 100RB#0-50RB#0 | 21.55 | 21.8 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18700-18844 | 1RB#0-0RB#0 | 24.32 | 24.57 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18851-18995 | 100RB#0-50RB#0 | 21.73 | 21.98 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18851-18995 | 1RB#0-0RB#0 | 24.52 | 24.77 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 19001-19145 | 100RB#0-50RB#0 | 21.3 | 21.55 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 19001-19145 | 1RB#0-0RB#0 | 22.73 | 22.98 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18700-18844 | 100RB#0-50RB#0 | 20.55 | 20.8 | 33 | PASS |



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|-----|-------------|---------------|-------------|----------------|-------|-------|----|------|
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18700-18844 | 1RB#0-0RB#0 | 22.62 | 22.87 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18851-18995 | 100RB#0-50RB#0 | 20.67 | 20.92 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18851-18995 | 1RB#0-0RB#0 | 22.94 | 23.19 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 19001-19145 | 100RB#0-50RB#0 | 20.28 | 20.53 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 19001-19145 | 1RB#0-0RB#0 | 23.19 | 23.44 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18700-18844 | 100RB#0-50RB#0 | 19.63 | 19.88 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18700-18844 | 1RB#0-0RB#0 | 21.41 | 21.66 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18851-18995 | 100RB#0-50RB#0 | 19.73 | 19.98 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18851-18995 | 1RB#0-0RB#0 | 21.95 | 22.2 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 19001-19145 | 100RB#0-50RB#0 | 19.44 | 19.69 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 19001-19145 | 1RB#0-0RB#0 | 21.85 | 22.1 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18700-18844 | 100RB#0-50RB#0 | 18.72 | 18.97 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18700-18844 | 1RB#0-0RB#0 | 18.47 | 18.72 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18851-18995 | 100RB#0-50RB#0 | 18.83 | 19.08 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18851-18995 | 1RB#0-0RB#0 | 19.11 | 19.36 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 19001-19145 | 100RB#0-50RB#0 | 18.47 | 18.72 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 19001-19145 | 1RB#0-0RB#0 | 19.17 | 19.42 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18700-18871 | 100RB#0-75RB#0 | 21.69 | 21.94 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18700-18871 | 1RB#0-0RB#0 | 24.16 | 24.41 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18826-18997 | 100RB#0-75RB#0 | 21.86 | 22.11 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18826-18997 | 1RB#0-0RB#0 | 24.62 | 24.87 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18951-19122 | 100RB#0-75RB#0 | 21.6 | 21.85 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18951-19122 | 1RB#0-0RB#0 | 24.46 | 24.71 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18700-18871 | 100RB#0-75RB#0 | 20.64 | 20.89 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18700-18871 | 1RB#0-0RB#0 | 22.5 | 22.75 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18826-18997 | 100RB#0-75RB#0 | 20.87 | 21.12 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18826-18997 | 1RB#0-0RB#0 | 23.02 | 23.27 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18951-19122 | 100RB#0-75RB#0 | 20.7 | 20.95 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18951-19122 | 1RB#0-0RB#0 | 23.1 | 23.35 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18700-18871 | 100RB#0-75RB#0 | 19.73 | 19.98 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18700-18871 | 1RB#0-0RB#0 | 21.49 | 21.74 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18826-18997 | 100RB#0-75RB#0 | 19.98 | 20.23 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18826-18997 | 1RB#0-0RB#0 | 21.91 | 22.16 | 33 | PASS |



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|-----|-------------|---------------|-------------|-----------------|-------|-------|----|------|
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18951-19122 | 100RB#0-75RB#0 | 19.75 | 20 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18951-19122 | 1RB#0-0RB#0 | 22.07 | 22.32 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18700-18871 | 100RB#0-75RB#0 | 18.84 | 19.09 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18700-18871 | 1RB#0-0RB#0 | 18.67 | 18.92 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18826-18997 | 100RB#0-75RB#0 | 19.07 | 19.32 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18826-18997 | 1RB#0-0RB#0 | 19.23 | 19.48 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18951-19122 | 100RB#0-75RB#0 | 18.88 | 19.13 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18951-19122 | 1RB#0-0RB#0 | 19.36 | 19.61 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18700-18898 | 100RB#0-100RB#0 | 21.62 | 21.87 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18700-18898 | 1RB#0-0RB#0 | 24.41 | 24.66 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18801-18999 | 100RB#0-100RB#0 | 21.76 | 22.01 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18801-18999 | 1RB#0-0RB#0 | 24.61 | 24.86 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18902-19100 | 100RB#0-100RB#0 | 21.74 | 21.99 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18902-19100 | 1RB#0-0RB#0 | 24.09 | 24.34 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18700-18898 | 100RB#0-100RB#0 | 20.65 | 20.9 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18700-18898 | 1RB#0-0RB#0 | 22.77 | 23.02 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18801-18999 | 100RB#0-100RB#0 | 20.8 | 21.05 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18801-18999 | 1RB#0-0RB#0 | 22.94 | 23.19 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18902-19100 | 100RB#0-100RB#0 | 20.8 | 21.05 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18902-19100 | 1RB#0-0RB#0 | 23.28 | 23.53 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18700-18898 | 100RB#0-100RB#0 | 19.74 | 19.99 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18700-18898 | 1RB#0-0RB#0 | 21.43 | 21.68 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18801-18999 | 100RB#0-100RB#0 | 19.86 | 20.11 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18801-18999 | 1RB#0-0RB#0 | 21.85 | 22.1 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18902-19100 | 100RB#0-100RB#0 | 19.91 | 20.16 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18902-19100 | 1RB#0-0RB#0 | 22.13 | 22.38 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18700-18898 | 100RB#0-100RB#0 | 18.86 | 19.11 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18700-18898 | 1RB#0-0RB#0 | 18.59 | 18.84 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18801-18999 | 100RB#0-100RB#0 | 19.04 | 19.29 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18801-18999 | 1RB#0-0RB#0 | 18.94 | 19.19 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18902-19100 | 100RB#0-100RB#0 | 18.93 | 19.18 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18902-19100 | 1RB#0-0RB#0 | 19.33 | 19.58 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18700-18817 | 100RB#0-25RB#0 | 21.69 | 21.94 | 33 | PASS |



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|-----|------------|---------------|-------------|----------------|-------|-------|----|------|
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18700-18817 | 1RB#0-0RB#0 | 24.36 | 24.61 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18875-18992 | 100RB#0-25RB#0 | 21.88 | 22.13 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18875-18992 | 1RB#0-0RB#0 | 24.73 | 24.98 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 19050-19167 | 100RB#0-25RB#0 | 21.29 | 21.54 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 19050-19167 | 1RB#0-0RB#0 | 24.54 | 24.79 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18700-18817 | 100RB#0-25RB#0 | 20.66 | 20.91 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18700-18817 | 1RB#0-0RB#0 | 22.76 | 23.01 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18875-18992 | 100RB#0-25RB#0 | 20.87 | 21.12 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18875-18992 | 1RB#0-0RB#0 | 23.18 | 23.43 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 19050-19167 | 100RB#0-25RB#0 | 20.32 | 20.57 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 19050-19167 | 1RB#0-0RB#0 | 22.92 | 23.17 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18700-18817 | 100RB#0-25RB#0 | 19.73 | 19.98 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18700-18817 | 1RB#0-0RB#0 | 21.45 | 21.7 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18875-18992 | 100RB#0-25RB#0 | 19.95 | 20.2 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18875-18992 | 1RB#0-0RB#0 | 21.95 | 22.2 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 19050-19167 | 100RB#0-25RB#0 | 19.37 | 19.62 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 19050-19167 | 1RB#0-0RB#0 | 22.04 | 22.29 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18700-18817 | 100RB#0-25RB#0 | 18.84 | 19.09 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18700-18817 | 1RB#0-0RB#0 | 18.67 | 18.92 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18875-18992 | 100RB#0-25RB#0 | 19.11 | 19.36 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18875-18992 | 1RB#0-0RB#0 | 19.23 | 19.48 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 19050-19167 | 100RB#0-25RB#0 | 18.55 | 18.8 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 19050-19167 | 1RB#0-0RB#0 | 19.25 | 19.5 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18633-18750 | 1RB#0-0RB#0 | 24.09 | 24.34 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18633-18750 | 25RB#0-100RB#0 | 21.18 | 21.43 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18808-18925 | 1RB#0-0RB#0 | 24.45 | 24.7 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18808-18925 | 25RB#0-100RB#0 | 21.73 | 21.98 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18983-19100 | 1RB#0-0RB#0 | 24.47 | 24.72 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18983-19100 | 25RB#0-100RB#0 | 21.47 | 21.72 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18633-18750 | 1RB#0-0RB#0 | 22.54 | 22.79 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18633-18750 | 25RB#0-100RB#0 | 20.17 | 20.42 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18808-18925 | 1RB#0-0RB#0 | 23.19 | 23.44 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18808-18925 | 25RB#0-100RB#0 | 20.74 | 20.99 | 33 | PASS |



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|-----|------------|---------------|-------------|----------------|-------|-------|----|------|
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18983-19100 | 1RB#0-0RB#0 | 23.11 | 23.36 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18983-19100 | 25RB#0-100RB#0 | 20.53 | 20.78 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18633-18750 | 1RB#0-0RB#0 | 21.5 | 21.75 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18633-18750 | 25RB#0-100RB#0 | 19.29 | 19.54 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18808-18925 | 1RB#0-0RB#0 | 21.84 | 22.09 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18808-18925 | 25RB#0-100RB#0 | 19.82 | 20.07 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18983-19100 | 1RB#0-0RB#0 | 21.9 | 22.15 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18983-19100 | 25RB#0-100RB#0 | 19.63 | 19.88 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18633-18750 | 1RB#0-0RB#0 | 18.54 | 18.79 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18633-18750 | 25RB#0-100RB#0 | 18.46 | 18.71 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18808-18925 | 1RB#0-0RB#0 | 19.15 | 19.4 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18808-18925 | 25RB#0-100RB#0 | 18.94 | 19.19 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18983-19100 | 1RB#0-0RB#0 | 19.19 | 19.44 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18983-19100 | 25RB#0-100RB#0 | 18.75 | 19 | 33 | PASS |



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Peak-to-Average Ratio(CCDF)

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|------|-------------|---------------|-------------|------------------|------------|-----------|---------|
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18700-18898 | 100RB#0-100RB#0 | 8.22 | 13 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18801-18999 | 100RB#0-100RB#0 | 8.22 | 13 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18902-19100 | 100RB#0-100RB#0 | 8.24 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18700-18898 | 100RB#0-100RB#0 | 8.26 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18801-18999 | 100RB#0-100RB#0 | 8.30 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18902-19100 | 100RB#0-100RB#0 | 8.26 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18700-18898 | 100RB#0-100RB#0 | 8.44 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18801-18999 | 100RB#0-100RB#0 | 8.28 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18902-19100 | 100RB#0-100RB#0 | 8.34 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18700-18898 | 100RB#0-100RB#0 | 8.30 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18801-18999 | 100RB#0-100RB#0 | 8.28 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18902-19100 | 100RB#0-100RB#0 | 8.30 | 13 | PASS |

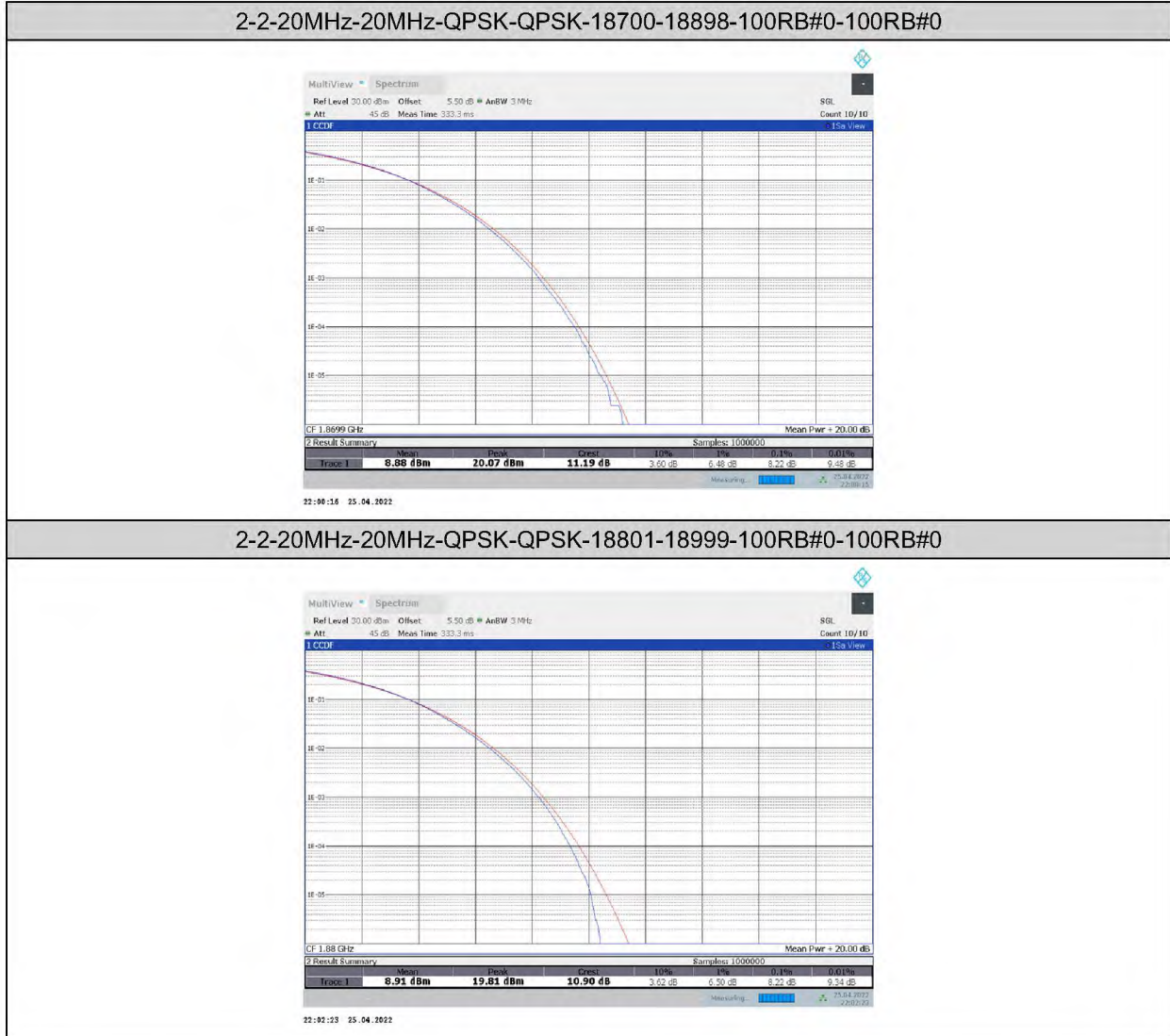


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Test Graphs



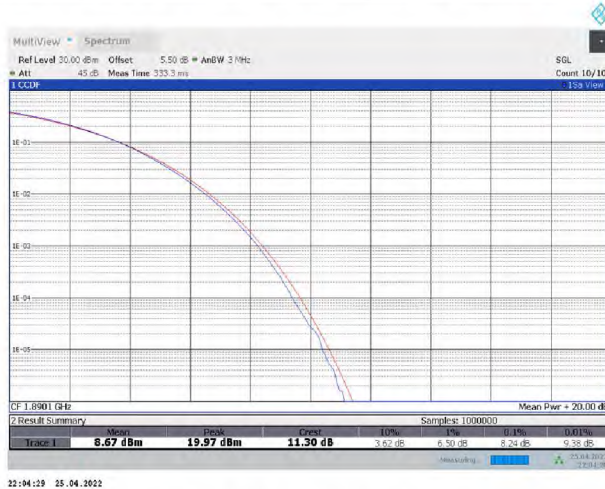
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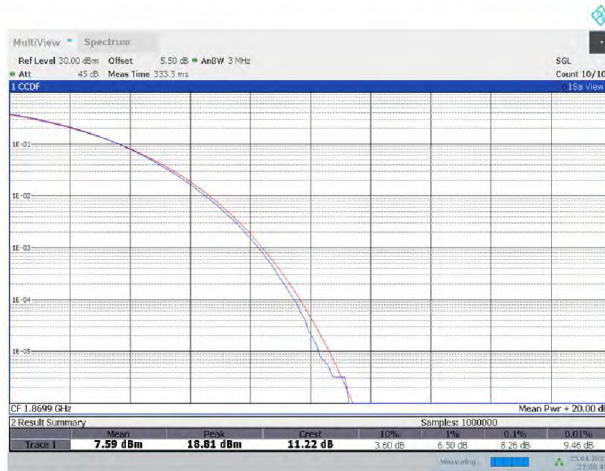
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2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-100RB#0-100RB#0



22:04:29 25.04.2022

2-2-20MHz-20MHz-16QAM-16QAM-18700-18898-100RB#0-100RB#0



22:06:46 25.04.2022

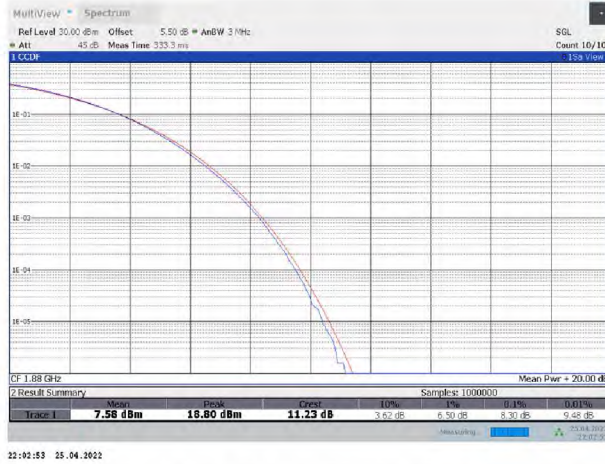


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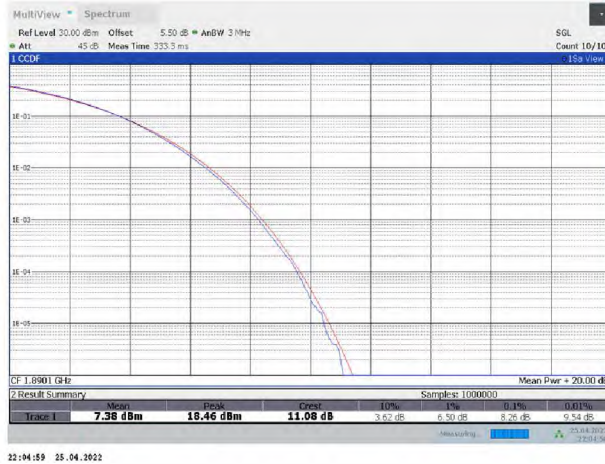
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2-2-20MHz-20MHz-16QAM-16QAM-18801-18999-100RB#0-100RB#0



2-2-20MHz-20MHz-16QAM-16QAM-18902-19100-100RB#0-100RB#0



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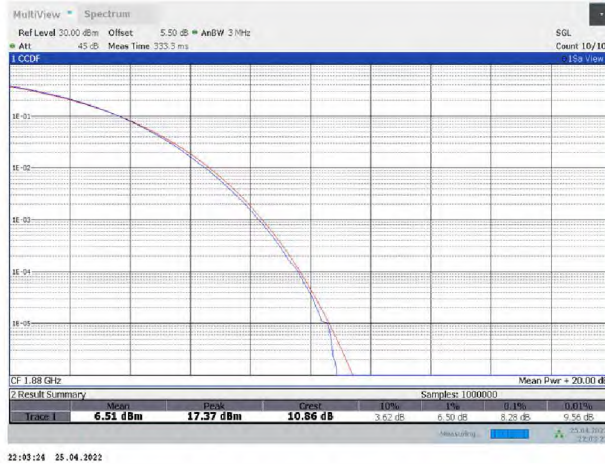
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2-2-20MHz-20MHz-64QAM-64QAM-18700-18898-100RB#0-100RB#0



2-2-20MHz-20MHz-64QAM-64QAM-18801-18999-100RB#0-100RB#0

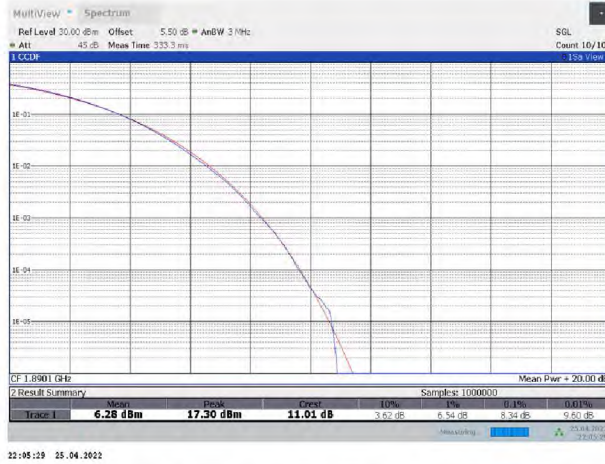


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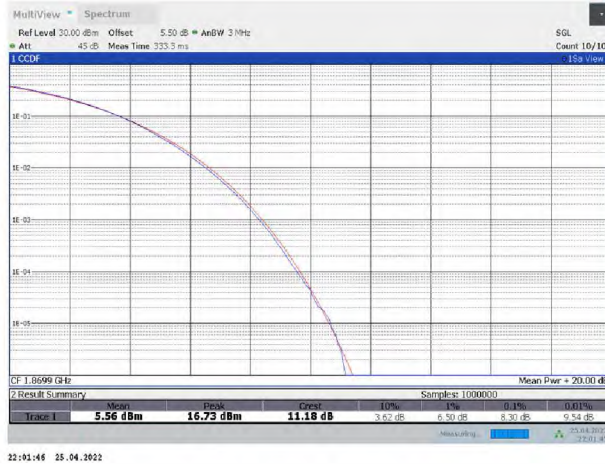
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2-2-20MHz-20MHz-64QAM-64QAM-18902-19100-100RB#0-100RB#0



2-2-20MHz-20MHz-256QAM-256QAM-18700-18898-100RB#0-100RB#0



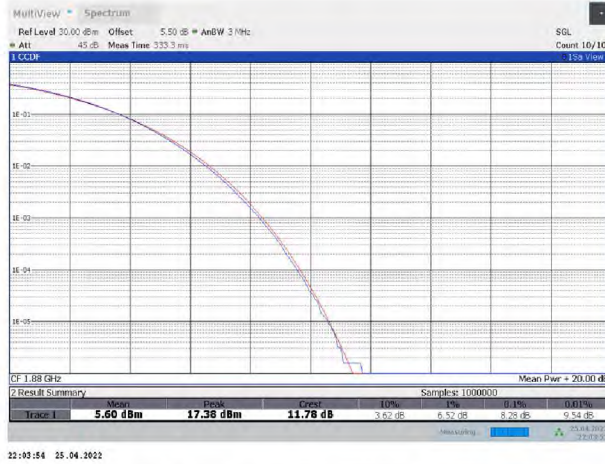
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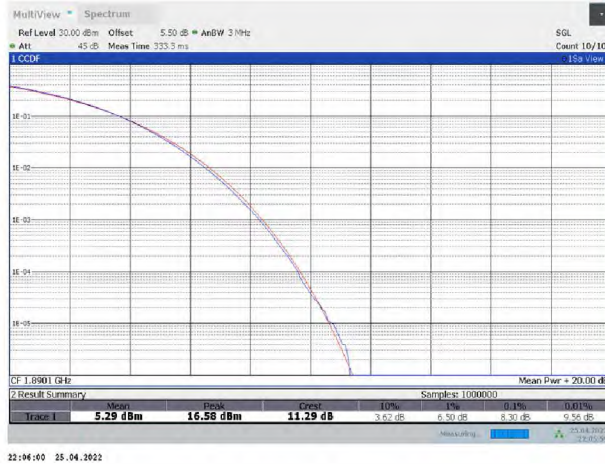
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2-2-20MHz-20MHz-256QAM-256QAM-18801-18999-100RB#0-100RB#0



2-2-20MHz-20MHz-256QAM-256QAM-18902-19100-100RB#0-100RB#0



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Modulation Characteristics

Test Result

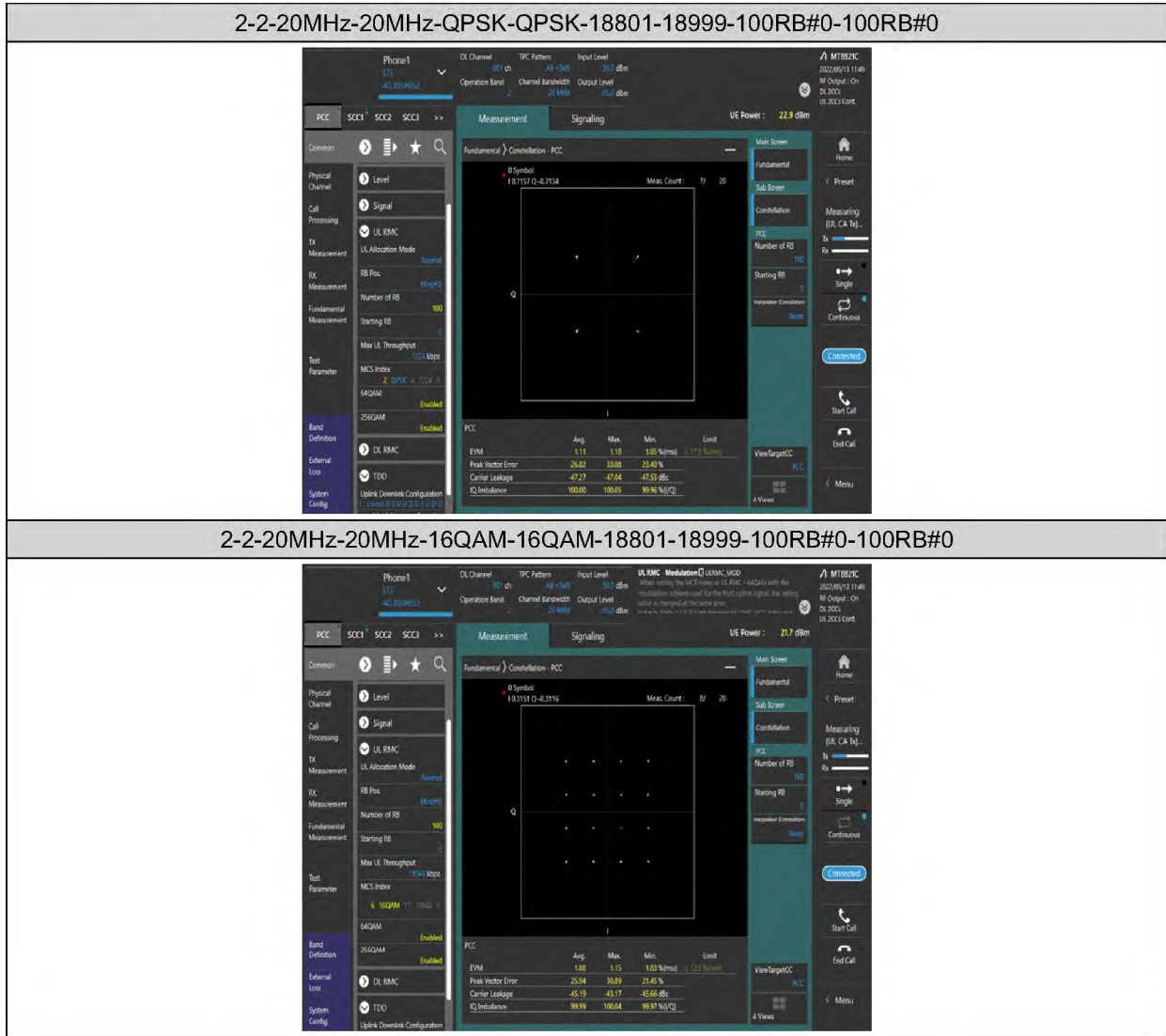
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Verdict |
|------|-------------|---------------|-------------|------------------|------------|---------|
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18801-18999 | 100RB#0-100RB#0 | 8.22 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18801-18999 | 100RB#0-100RB#0 | 8.30 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18801-18999 | 100RB#0-100RB#0 | 8.28 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18801-18999 | 100RB#0-100RB#0 | 8.28 | PASS |



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Test Graphs

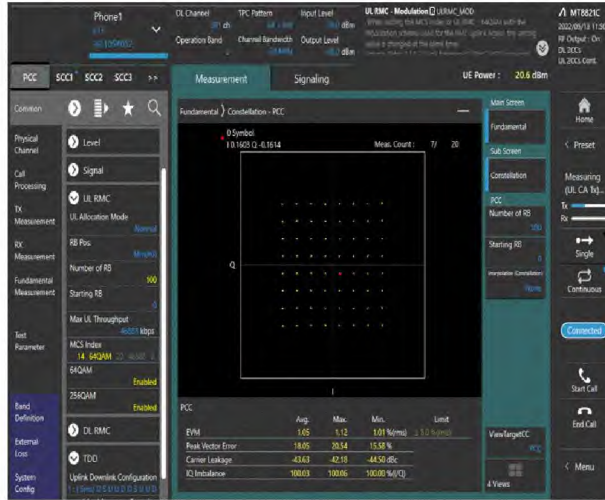


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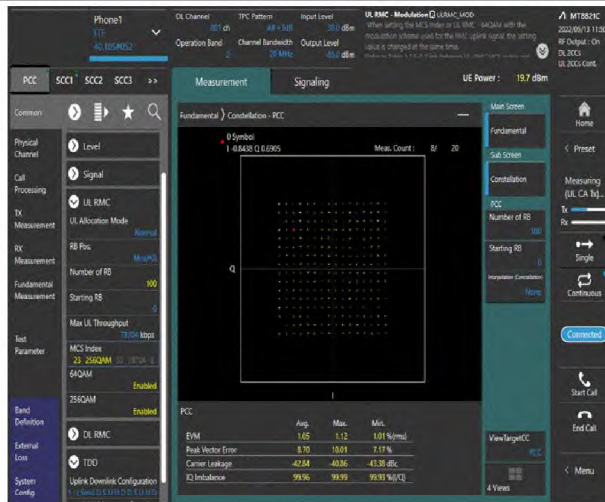
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2-2-20MHz-20MHz-64QAM-64QAM-18801-18999-100RB#0-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|------|-------------|---------------|-------------|------------------|--------------------------|----------------------|---------|
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 18653-18773 | 50RB#0-75RB#0 | 23.040 | 24.30 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 18829-18949 | 50RB#0-75RB#0 | 23.128 | 24.45 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 19005-19125 | 50RB#0-75RB#0 | 23.169 | 24.45 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18653-18773 | 50RB#0-75RB#0 | 23.142 | 24.45 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18829-18949 | 50RB#0-75RB#0 | 23.116 | 24.45 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 19005-19125 | 50RB#0-75RB#0 | 23.126 | 24.45 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18653-18773 | 50RB#0-75RB#0 | 23.157 | 24.45 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18829-18949 | 50RB#0-75RB#0 | 23.132 | 24.45 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 19005-19125 | 50RB#0-75RB#0 | 23.121 | 24.45 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18653-18773 | 50RB#0-75RB#0 | 23.149 | 24.50 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18829-18949 | 50RB#0-75RB#0 | 23.143 | 24.45 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 19005-19125 | 50RB#0-75RB#0 | 23.134 | 24.45 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18655-18799 | 50RB#0-100RB#0 | 27.508 | 29.04 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18806-18950 | 50RB#0-100RB#0 | 27.706 | 29.10 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18956-19100 | 50RB#0-100RB#0 | 27.698 | 29.10 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18655-18799 | 50RB#0-100RB#0 | 27.725 | 29.10 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18806-18950 | 50RB#0-100RB#0 | 27.694 | 29.10 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18956-19100 | 50RB#0-100RB#0 | 27.675 | 29.10 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18655-18799 | 50RB#0-100RB#0 | 27.755 | 29.10 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18806-18950 | 50RB#0-100RB#0 | 27.708 | 29.10 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18956-19100 | 50RB#0-100RB#0 | 27.687 | 29.04 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18655-18799 | 50RB#0-100RB#0 | 27.729 | 29.10 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18806-18950 | 50RB#0-100RB#0 | 27.721 | 29.10 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18956-19100 | 50RB#0-100RB#0 | 27.707 | 29.10 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18675-18795 | 75RB#0-50RB#0 | 23.069 | 24.55 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18851-18971 | 75RB#0-50RB#0 | 23.166 | 24.50 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 19027-19147 | 75RB#0-50RB#0 | 23.167 | 24.50 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18675-18795 | 75RB#0-50RB#0 | 23.164 | 24.50 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18851-18971 | 75RB#0-50RB#0 | 23.160 | 24.50 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 19027-19147 | 75RB#0-50RB#0 | 23.178 | 24.50 | PASS |



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| | | | | | | | |
|-----|-------------|---------------|-------------|----------------|--------|-------|------|
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18675-18795 | 75RB#0-50RB#0 | 23.169 | 24.50 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18851-18971 | 75RB#0-50RB#0 | 23.164 | 24.50 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 19027-19147 | 75RB#0-50RB#0 | 23.180 | 24.50 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18675-18795 | 75RB#0-50RB#0 | 23.164 | 24.55 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18851-18971 | 75RB#0-50RB#0 | 23.155 | 24.50 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 19027-19147 | 75RB#0-50RB#0 | 23.167 | 24.50 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18675-18825 | 75RB#0-75RB#0 | 28.320 | 29.52 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18825-18975 | 75RB#0-75RB#0 | 28.323 | 29.70 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18975-19125 | 75RB#0-75RB#0 | 28.336 | 29.76 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18675-18825 | 75RB#0-75RB#0 | 28.324 | 29.82 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18825-18975 | 75RB#0-75RB#0 | 28.314 | 29.70 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18975-19125 | 75RB#0-75RB#0 | 28.313 | 29.70 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18675-18825 | 75RB#0-75RB#0 | 28.311 | 29.70 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18825-18975 | 75RB#0-75RB#0 | 28.315 | 29.76 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18975-19125 | 75RB#0-75RB#0 | 28.312 | 29.70 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18675-18825 | 75RB#0-75RB#0 | 28.313 | 29.76 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18825-18975 | 75RB#0-75RB#0 | 28.318 | 29.70 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18975-19125 | 75RB#0-75RB#0 | 28.326 | 29.70 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18678-18849 | 75RB#0-100RB#0 | 32.456 | 33.95 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18803-18974 | 75RB#0-100RB#0 | 32.556 | 34.09 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18929-19100 | 75RB#0-100RB#0 | 32.575 | 34.09 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18678-18849 | 75RB#0-100RB#0 | 32.638 | 34.09 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18803-18974 | 75RB#0-100RB#0 | 32.574 | 34.09 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18929-19100 | 75RB#0-100RB#0 | 32.562 | 34.02 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18678-18849 | 75RB#0-100RB#0 | 32.612 | 34.09 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18803-18974 | 75RB#0-100RB#0 | 32.554 | 34.09 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18929-19100 | 75RB#0-100RB#0 | 32.580 | 34.09 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18678-18849 | 75RB#0-100RB#0 | 32.594 | 34.09 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18803-18974 | 75RB#0-100RB#0 | 32.572 | 34.09 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18929-19100 | 75RB#0-100RB#0 | 32.566 | 34.09 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18700-18844 | 100RB#0-50RB#0 | 27.678 | 29.16 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18851-18995 | 100RB#0-50RB#0 | 27.740 | 29.16 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 19001-19145 | 100RB#0-50RB#0 | 27.779 | 29.16 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18700-18844 | 100RB#0-50RB#0 | 27.743 | 29.22 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18851-18995 | 100RB#0-50RB#0 | 27.741 | 29.22 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 19001-19145 | 100RB#0-50RB#0 | 27.754 | 29.22 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18700-18844 | 100RB#0-50RB#0 | 27.744 | 29.22 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18851-18995 | 100RB#0-50RB#0 | 27.743 | 29.16 | PASS |



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|-----|-------------|---------------|-------------|-----------------|--------|-------|------|
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 19001-19145 | 100RB#0-50RB#0 | 27.742 | 29.22 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18700-18844 | 100RB#0-50RB#0 | 27.735 | 29.22 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18851-18995 | 100RB#0-50RB#0 | 27.750 | 29.16 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 19001-19145 | 100RB#0-50RB#0 | 27.763 | 29.22 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18700-18871 | 100RB#0-75RB#0 | 32.555 | 34.09 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18826-18997 | 100RB#0-75RB#0 | 32.623 | 34.09 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18951-19122 | 100RB#0-75RB#0 | 32.606 | 34.09 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18700-18871 | 100RB#0-75RB#0 | 32.616 | 34.09 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18826-18997 | 100RB#0-75RB#0 | 32.600 | 34.09 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18951-19122 | 100RB#0-75RB#0 | 32.590 | 34.09 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18700-18871 | 100RB#0-75RB#0 | 32.634 | 34.16 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18826-18997 | 100RB#0-75RB#0 | 32.599 | 34.09 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18951-19122 | 100RB#0-75RB#0 | 32.598 | 34.09 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18700-18871 | 100RB#0-75RB#0 | 32.621 | 34.09 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18826-18997 | 100RB#0-75RB#0 | 32.584 | 34.09 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18951-19122 | 100RB#0-75RB#0 | 32.599 | 34.09 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18700-18898 | 100RB#0-100RB#0 | 37.754 | 40.08 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18801-18999 | 100RB#0-100RB#0 | 37.716 | 40.24 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18902-19100 | 100RB#0-100RB#0 | 37.696 | 40.24 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18700-18898 | 100RB#0-100RB#0 | 37.713 | 40.16 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18801-18999 | 100RB#0-100RB#0 | 37.713 | 40.24 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18902-19100 | 100RB#0-100RB#0 | 37.718 | 40.16 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18700-18898 | 100RB#0-100RB#0 | 37.733 | 40.16 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18801-18999 | 100RB#0-100RB#0 | 37.681 | 40.24 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18902-19100 | 100RB#0-100RB#0 | 37.703 | 40.16 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18700-18898 | 100RB#0-100RB#0 | 37.717 | 40.16 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18801-18999 | 100RB#0-100RB#0 | 37.736 | 40.24 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18902-19100 | 100RB#0-100RB#0 | 37.775 | 40.24 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18700-18817 | 100RB#0-25RB#0 | 22.918 | 24.00 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18875-18992 | 100RB#0-25RB#0 | 22.928 | 24.20 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 19050-19167 | 100RB#0-25RB#0 | 22.958 | 24.15 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18700-18817 | 100RB#0-25RB#0 | 22.916 | 24.20 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18875-18992 | 100RB#0-25RB#0 | 22.939 | 24.15 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 19050-19167 | 100RB#0-25RB#0 | 22.945 | 24.20 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18700-18817 | 100RB#0-25RB#0 | 22.932 | 24.15 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18875-18992 | 100RB#0-25RB#0 | 22.923 | 24.15 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 19050-19167 | 100RB#0-25RB#0 | 22.948 | 24.15 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18700-18817 | 100RB#0-25RB#0 | 22.923 | 24.20 | PASS |



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|-----|------------|---------------|-------------|----------------|--------|-------|------|
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18875-18992 | 100RB#0-25RB#0 | 22.959 | 24.15 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 19050-19167 | 100RB#0-25RB#0 | 22.947 | 24.20 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18633-18750 | 25RB#0-100RB#0 | 22.845 | 24.15 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18808-18925 | 25RB#0-100RB#0 | 22.860 | 24.00 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18983-19100 | 25RB#0-100RB#0 | 22.855 | 24.10 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18633-18750 | 25RB#0-100RB#0 | 22.879 | 24.05 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18808-18925 | 25RB#0-100RB#0 | 22.846 | 24.05 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18983-19100 | 25RB#0-100RB#0 | 22.846 | 24.10 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18633-18750 | 25RB#0-100RB#0 | 22.890 | 24.10 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18808-18925 | 25RB#0-100RB#0 | 22.860 | 24.05 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18983-19100 | 25RB#0-100RB#0 | 22.839 | 24.05 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18633-18750 | 25RB#0-100RB#0 | 22.898 | 24.05 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18808-18925 | 25RB#0-100RB#0 | 22.867 | 24.10 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18983-19100 | 25RB#0-100RB#0 | 22.838 | 24.05 | PASS |



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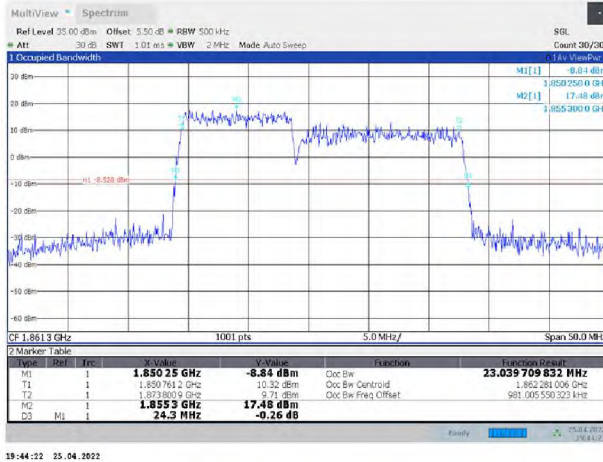
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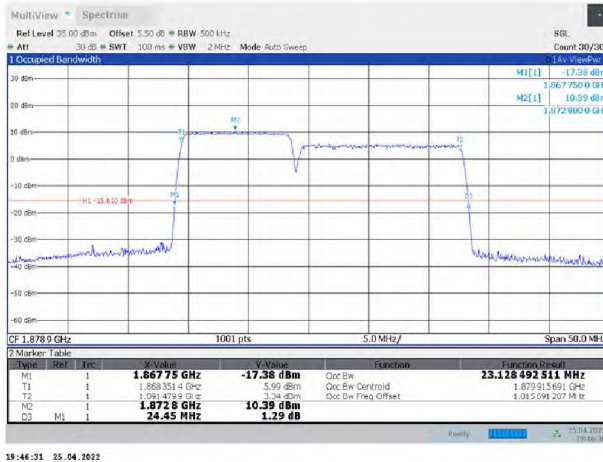
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Test Graphs

2-2-10MHz-15MHz-QPSK-QPSK-18653-18773-50RB#0-75RB#0



2-2-10MHz-15MHz-QPSK-QPSK-18829-18949-50RB#0-75RB#0

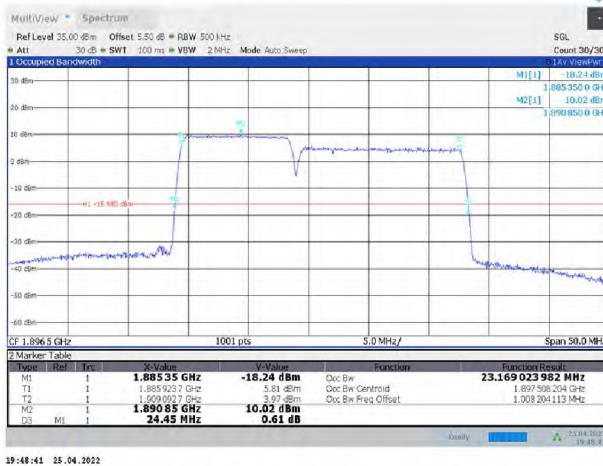


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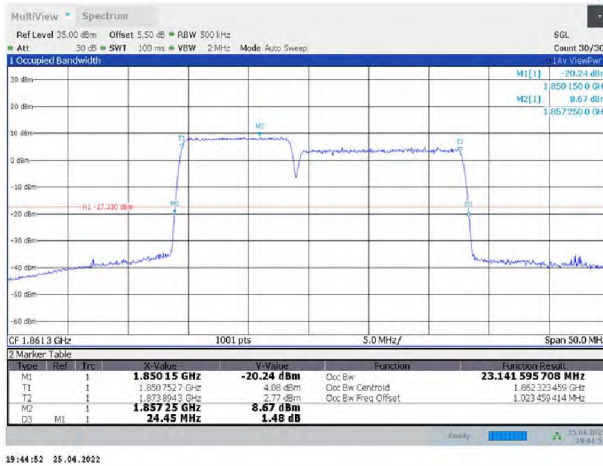
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2-2-10MHz-15MHz-QPSK-QPSK-19005-19125-50RB#0-75RB#0



2-2-10MHz-15MHz-16QAM-16QAM-18653-18773-50RB#0-75RB#0

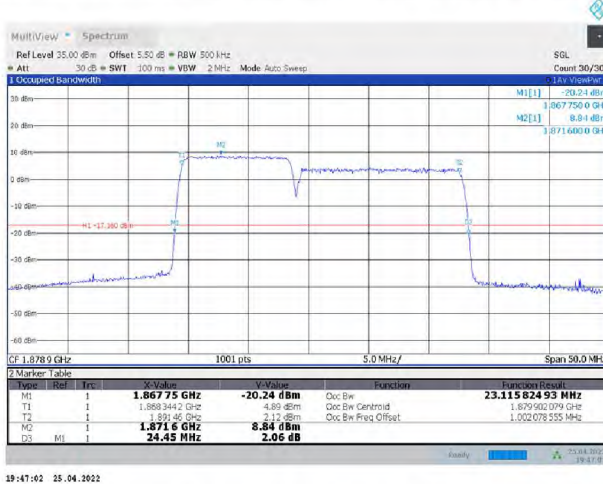


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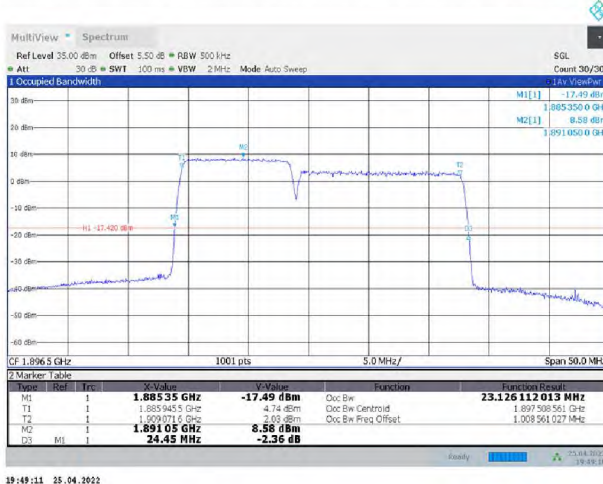
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2-2-10MHz-15MHz-16QAM-16QAM-18829-18949-50RB#0-75RB#0



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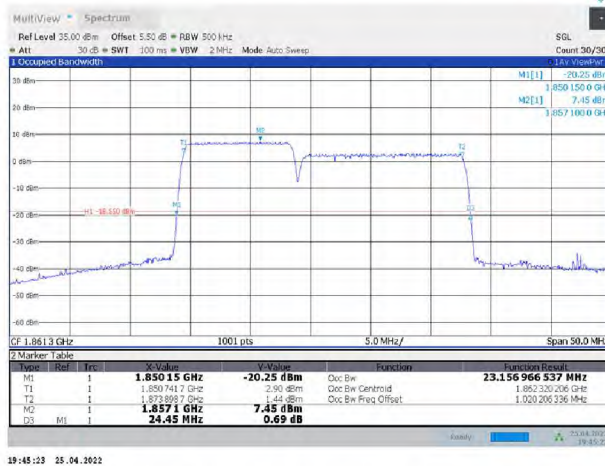


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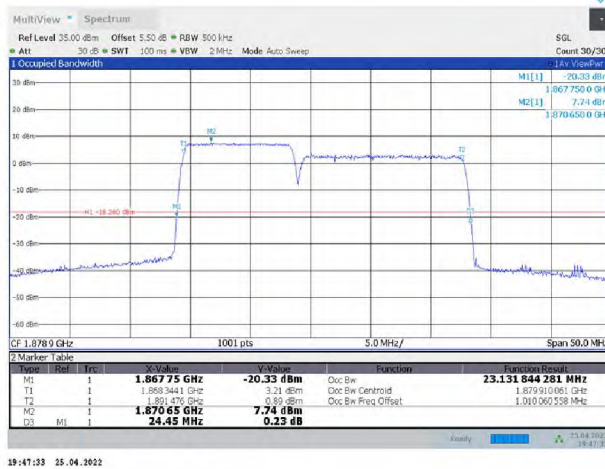
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2-2-10MHz-15MHz-64QAM-64QAM-18653-18773-50RB#0-75RB#0



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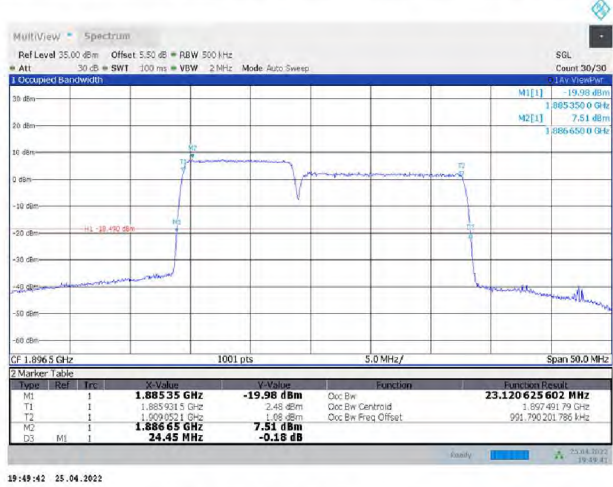


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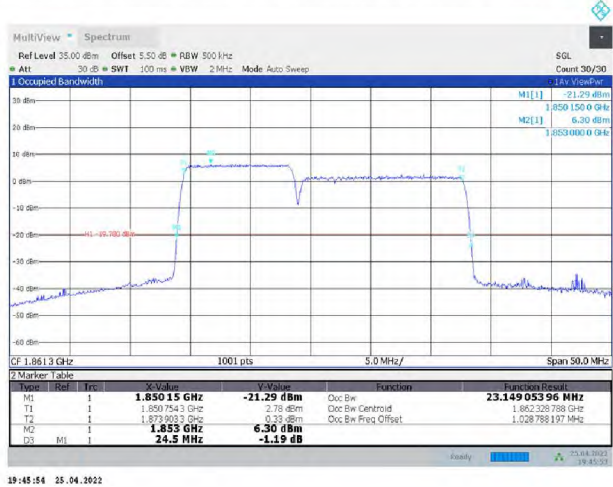
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2-2-10MHz-15MHz-64QAM-64QAM-19005-19125-50RB#0-75RB#0



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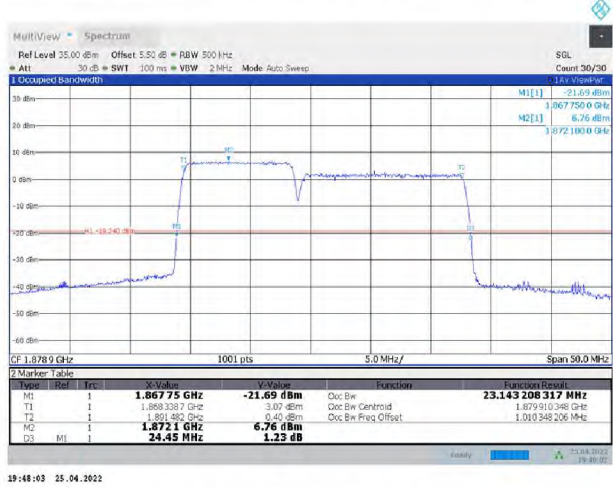


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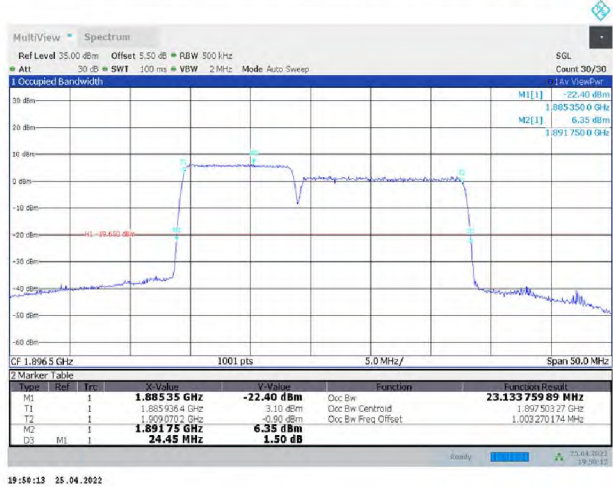
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2-2-10MHz-15MHz-256QAM-256QAM-18829-18949-50RB#0-75RB#0



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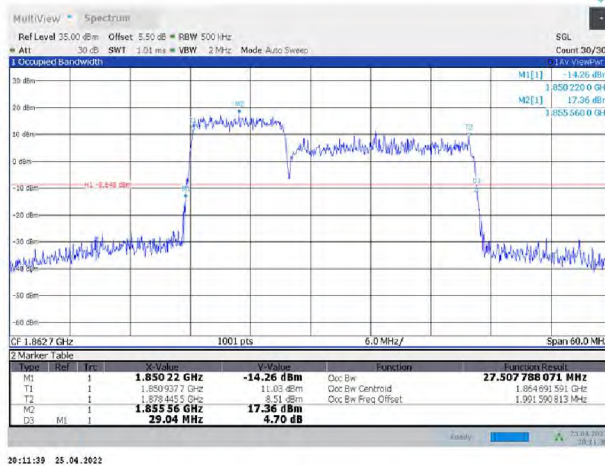


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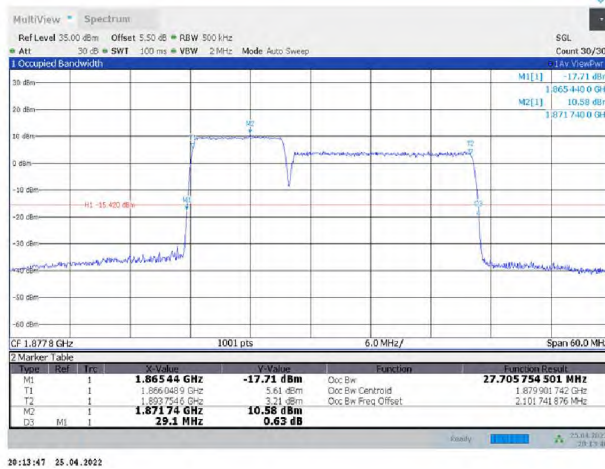
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2-2-10MHz-20MHz-QPSK-QPSK-18655-18799-50RB#0-100RB#0



2-2-10MHz-20MHz-QPSK-QPSK-18806-18950-50RB#0-100RB#0

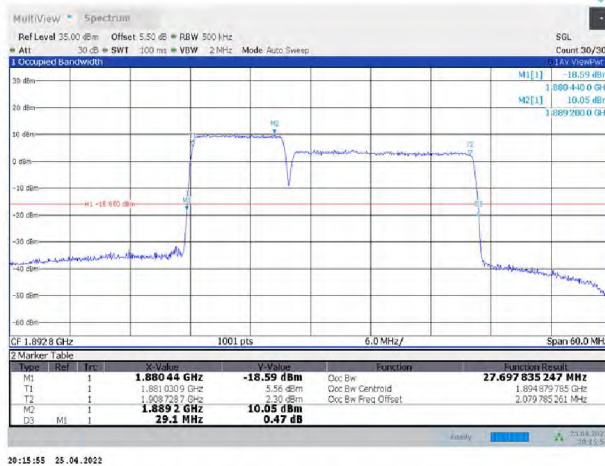


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10:15:55 25.04.2022

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20:12:10 25.04.2022



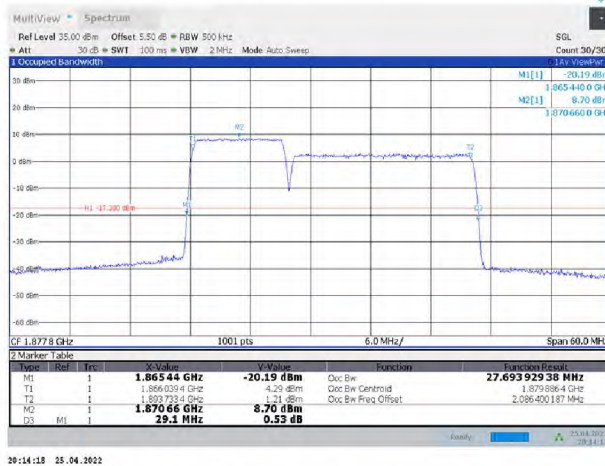
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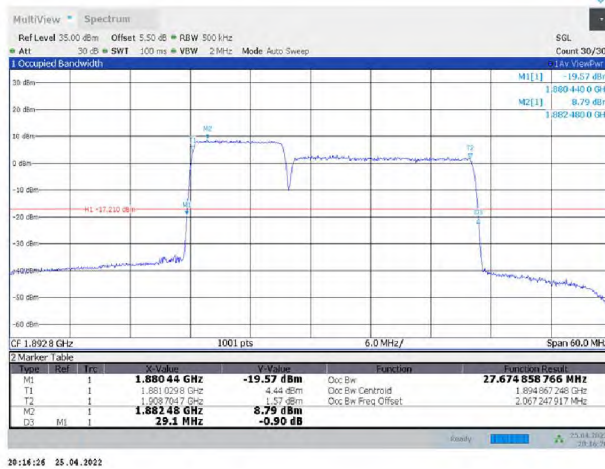
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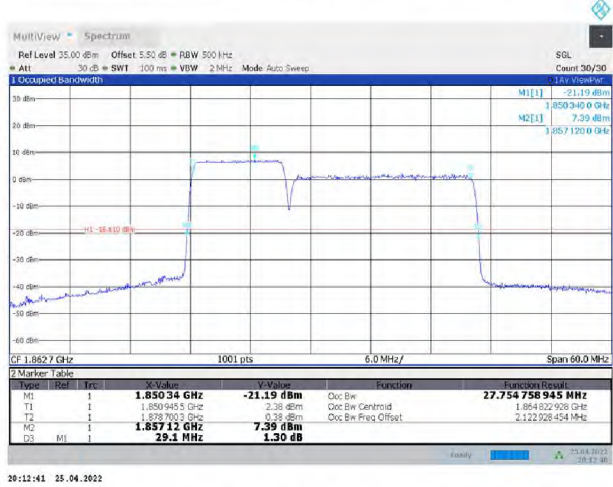


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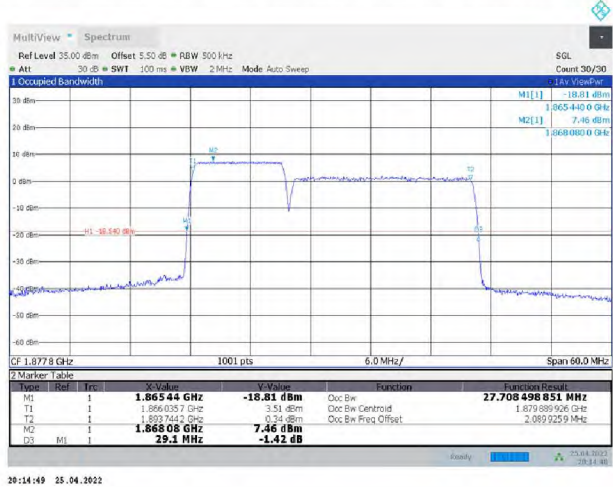
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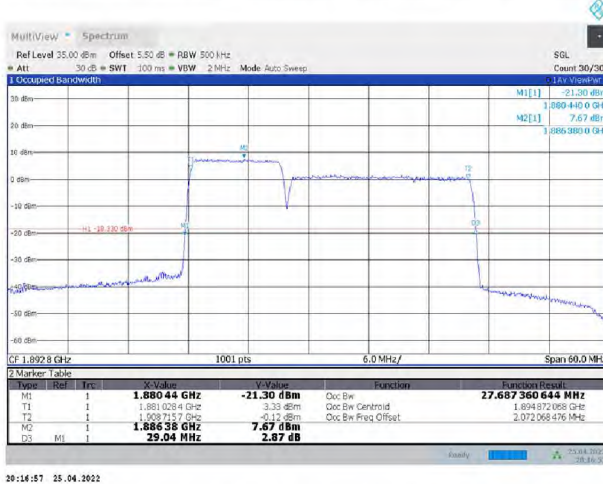


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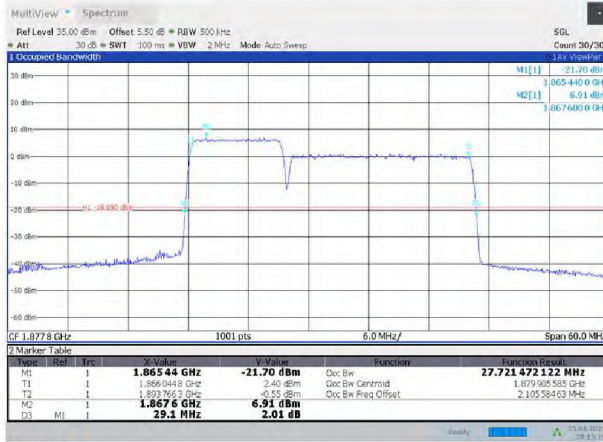


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2-2-10MHz-20MHz-256QAM-256QAM-18806-18950-50RB#0-100RB#0



10:15:20 25.04.2022

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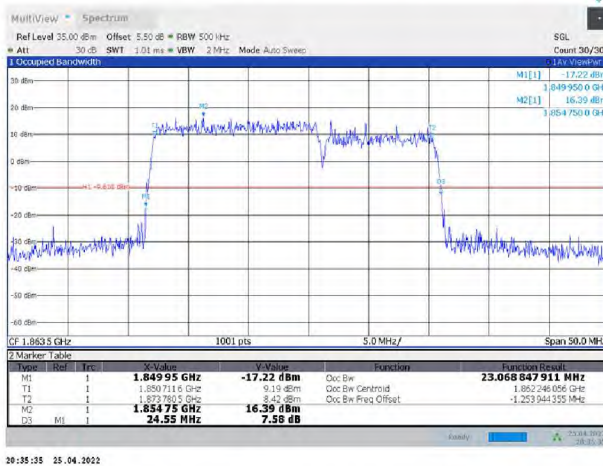


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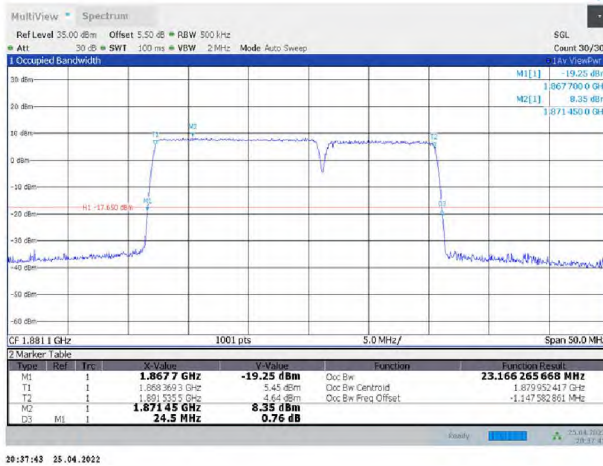
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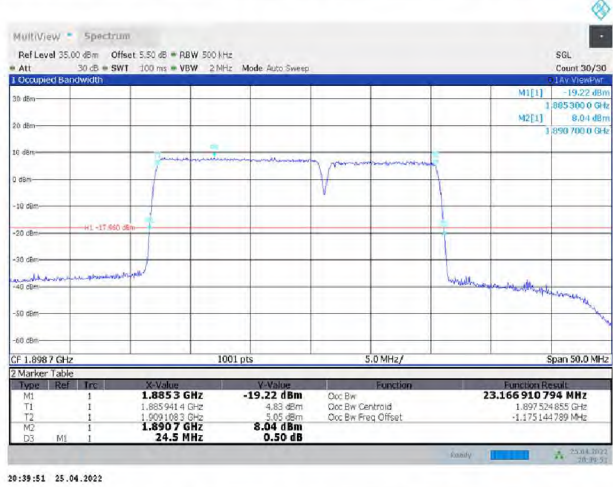


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2-2-15MHz-10MHz-QPSK-QPSK-19027-19147-75RB#0-50RB#0



2-2-15MHz-10MHz-16QAM-16QAM-18675-18795-75RB#0-50RB#0

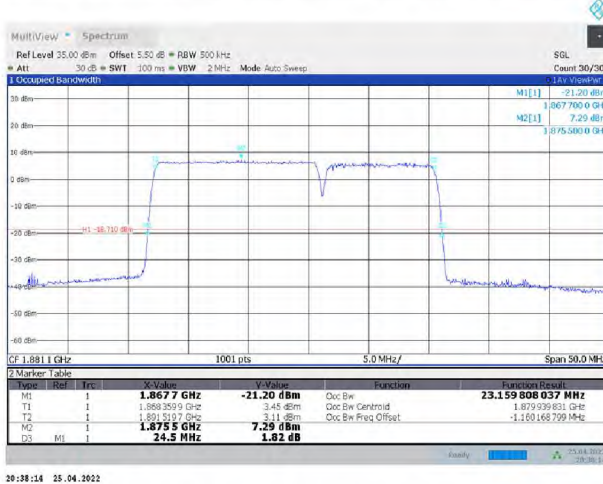


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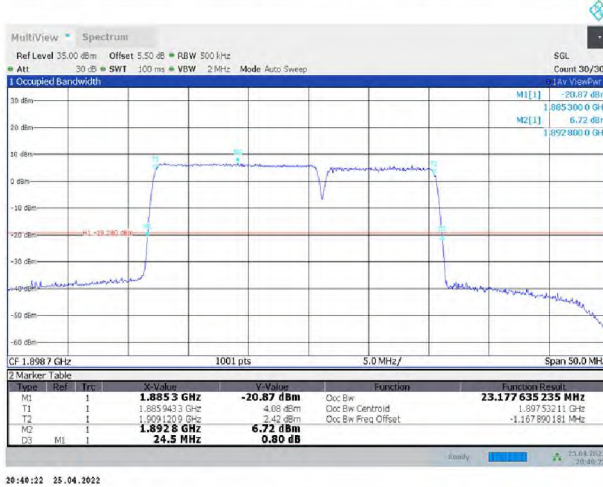
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2-2-15MHz-10MHz-16QAM-16QAM-18851-18971-75RB#0-50RB#0



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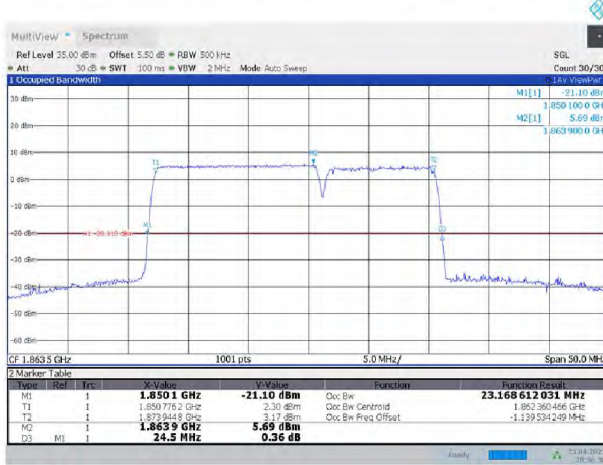


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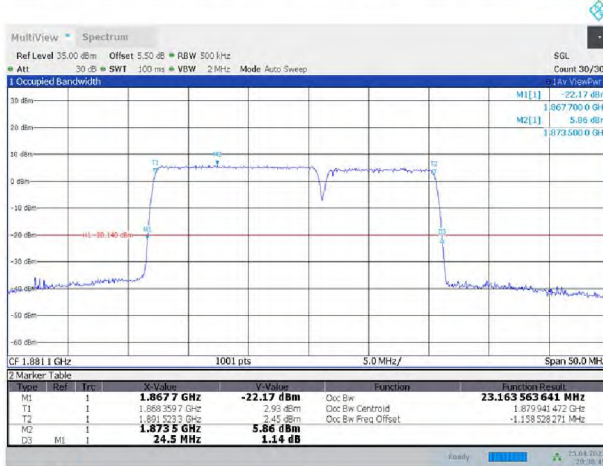
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2-2-15MHz-10MHz-64QAM-64QAM-18675-18795-75RB#0-50RB#0



20:34:27 25. 04. 2022

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20:38:45 25. 04. 2022

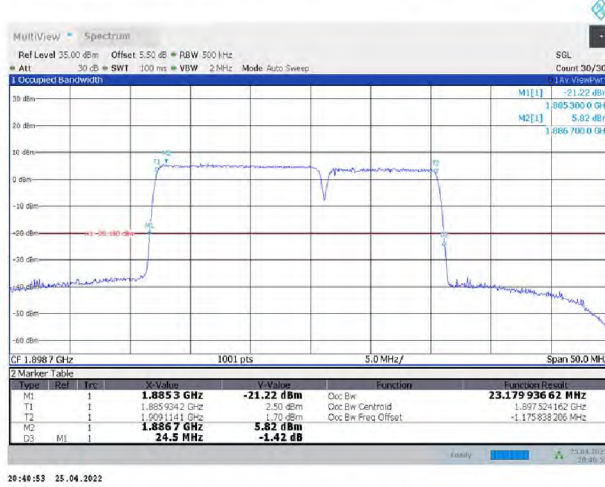


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