

Report No.: SEWM2306000193RG01

Rev.: 01

Page: 1 of 113

Appendix B.13

LTE CA_2C



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant3:

| 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 | 22.97 | 24.12 | 33 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 18653-18773 | 50RB#0-75RB#0 | 21.72 | 22.87 | 33 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 18829-18949 | 1RB#0-0RB#0 | 22.88 | 24.03 | 33 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 18829-18949 | 50RB#0-75RB#0 | 21.79 | 22.94 | 33 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 19005-19125 | 1RB#0-0RB#0 | 22.69 | 23.84 | 33 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 19005-19125 | 50RB#0-75RB#0 | 21.49 | 22.64 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18653-18773 | 1RB#0-0RB#0 | 22.15 | 23.3 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18653-18773 | 50RB#0-75RB#0 | 20.74 | 21.89 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18829-18949 | 1RB#0-0RB#0 | 22.01 | 23.16 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18829-18949 | 50RB#0-75RB#0 | 20.78 | 21.93 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 19005-19125 | 1RB#0-0RB#0 | 21.92 | 23.07 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 19005-19125 | 50RB#0-75RB#0 | 20.55 | 21.7 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18653-18773 | 1RB#0-0RB#0 | 21.17 | 22.32 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18653-18773 | 50RB#0-75RB#0 | 20.80 | 21.95 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18829-18949 | 1RB#0-0RB#0 | 21.32 | 22.47 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18829-18949 | 50RB#0-75RB#0 | 20.84 | 21.99 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 19005-19125 | 1RB#0-0RB#0 | 21.13 | 22.28 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 19005-19125 | 50RB#0-75RB#0 | 20.57 | 21.72 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18653-18773 | 1RB#0-0RB#0 | 18.11 | 19.26 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18653-18773 | 50RB#0-75RB#0 | 18.75 | 19.9 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18829-18949 | 1RB#0-0RB#0 | 18.23 | 19.38 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18829-18949 | 50RB#0-75RB#0 | 18.82 | 19.97 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 19005-19125 | 1RB#0-0RB#0 | 17.94 | 19.09 | 33 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 19005-19125 | 50RB#0-75RB#0 | 18.52 | 19.67 | 33 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18655-18799 | 1RB#0-0RB#0 | 22.96 | 24.11 | 33 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18655-18799 | 50RB#0-100RB#0 | 21.76 | 22.91 | 33 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18806-18950 | 1RB#0-0RB#0 | 22.87 | 24.02 | 33 | PASS |



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| | | | | | | | | |
|-----|-------------|---------------|-------------|----------------|-------|-------|----|------|
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18806-18950 | 50RB#0-100RB#0 | 21.69 | 22.84 | 33 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18956-19100 | 1RB#0-0RB#0 | 22.77 | 23.92 | 33 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18956-19100 | 50RB#0-100RB#0 | 21.60 | 22.75 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18655-18799 | 1RB#0-0RB#0 | 22.27 | 23.42 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18655-18799 | 50RB#0-100RB#0 | 20.71 | 21.86 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18806-18950 | 1RB#0-0RB#0 | 22.04 | 23.19 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18806-18950 | 50RB#0-100RB#0 | 20.76 | 21.91 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18956-19100 | 1RB#0-0RB#0 | 21.93 | 23.08 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18956-19100 | 50RB#0-100RB#0 | 20.66 | 21.81 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18655-18799 | 1RB#0-0RB#0 | 21.21 | 22.36 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18655-18799 | 50RB#0-100RB#0 | 20.70 | 21.85 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18806-18950 | 1RB#0-0RB#0 | 21.09 | 22.24 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18806-18950 | 50RB#0-100RB#0 | 20.73 | 21.88 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18956-19100 | 1RB#0-0RB#0 | 21.14 | 22.29 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18956-19100 | 50RB#0-100RB#0 | 20.60 | 21.75 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18655-18799 | 1RB#0-0RB#0 | 18.23 | 19.38 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18655-18799 | 50RB#0-100RB#0 | 18.72 | 19.87 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18806-18950 | 1RB#0-0RB#0 | 18.03 | 19.18 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18806-18950 | 50RB#0-100RB#0 | 18.73 | 19.88 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18956-19100 | 1RB#0-0RB#0 | 18.08 | 19.23 | 33 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18956-19100 | 50RB#0-100RB#0 | 18.55 | 19.7 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18675-18795 | 1RB#0-0RB#0 | 22.93 | 24.08 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18675-18795 | 75RB#0-50RB#0 | 21.66 | 22.81 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18851-18971 | 1RB#0-0RB#0 | 22.78 | 23.93 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18851-18971 | 75RB#0-50RB#0 | 21.69 | 22.84 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 19027-19147 | 1RB#0-0RB#0 | 22.60 | 23.75 | 33 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 19027-19147 | 75RB#0-50RB#0 | 21.65 | 22.8 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18675-18795 | 1RB#0-0RB#0 | 22.08 | 23.23 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18675-18795 | 75RB#0-50RB#0 | 20.70 | 21.85 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18851-18971 | 1RB#0-0RB#0 | 22.00 | 23.15 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18851-18971 | 75RB#0-50RB#0 | 20.75 | 21.9 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 19027-19147 | 1RB#0-0RB#0 | 21.88 | 23.03 | 33 | PASS |



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| | | | | | | | | |
|-----|-------------|---------------|-------------|---------------|-------|-------|----|------|
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 19027-19147 | 75RB#0-50RB#0 | 20.57 | 21.72 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18675-18795 | 1RB#0-0RB#0 | 21.24 | 22.39 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18675-18795 | 75RB#0-50RB#0 | 20.71 | 21.86 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18851-18971 | 1RB#0-0RB#0 | 21.06 | 22.21 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18851-18971 | 75RB#0-50RB#0 | 20.70 | 21.85 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 19027-19147 | 1RB#0-0RB#0 | 21.14 | 22.29 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 19027-19147 | 75RB#0-50RB#0 | 20.57 | 21.72 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18675-18795 | 1RB#0-0RB#0 | 18.17 | 19.32 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18675-18795 | 75RB#0-50RB#0 | 18.61 | 19.76 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18851-18971 | 1RB#0-0RB#0 | 18.09 | 19.24 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18851-18971 | 75RB#0-50RB#0 | 18.68 | 19.83 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 19027-19147 | 1RB#0-0RB#0 | 17.92 | 19.07 | 33 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 19027-19147 | 75RB#0-50RB#0 | 18.51 | 19.66 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18675-18825 | 1RB#0-0RB#0 | 22.88 | 24.03 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18675-18825 | 75RB#0-75RB#0 | 21.69 | 22.84 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18825-18975 | 1RB#0-0RB#0 | 22.71 | 23.86 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18825-18975 | 75RB#0-75RB#0 | 21.74 | 22.89 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18975-19125 | 1RB#0-0RB#0 | 22.83 | 23.98 | 33 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18975-19125 | 75RB#0-75RB#0 | 21.59 | 22.74 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18675-18825 | 1RB#0-0RB#0 | 22.04 | 23.19 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18675-18825 | 75RB#0-75RB#0 | 20.69 | 21.84 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18825-18975 | 1RB#0-0RB#0 | 21.99 | 23.14 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18825-18975 | 75RB#0-75RB#0 | 20.76 | 21.91 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18975-19125 | 1RB#0-0RB#0 | 21.98 | 23.13 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18975-19125 | 75RB#0-75RB#0 | 20.65 | 21.8 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18675-18825 | 1RB#0-0RB#0 | 21.17 | 22.32 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18675-18825 | 75RB#0-75RB#0 | 20.72 | 21.87 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18825-18975 | 1RB#0-0RB#0 | 21.10 | 22.25 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18825-18975 | 75RB#0-75RB#0 | 20.74 | 21.89 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18975-19125 | 1RB#0-0RB#0 | 21.28 | 22.43 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18975-19125 | 75RB#0-75RB#0 | 20.56 | 21.71 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18675-18825 | 1RB#0-0RB#0 | 18.05 | 19.2 | 33 | PASS |



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| | | | | | | | | |
|-----|-------------|---------------|-------------|----------------|-------|-------|----|------|
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18675-18825 | 75RB#0-75RB#0 | 18.69 | 19.84 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18825-18975 | 1RB#0-0RB#0 | 18.00 | 19.15 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18825-18975 | 75RB#0-75RB#0 | 18.72 | 19.87 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18975-19125 | 1RB#0-0RB#0 | 18.11 | 19.26 | 33 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18975-19125 | 75RB#0-75RB#0 | 18.56 | 19.71 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18678-18849 | 1RB#0-0RB#0 | 23.01 | 24.16 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18678-18849 | 75RB#0-100RB#0 | 21.68 | 22.83 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18803-18974 | 1RB#0-0RB#0 | 22.72 | 23.87 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18803-18974 | 75RB#0-100RB#0 | 21.70 | 22.85 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18929-19100 | 1RB#0-0RB#0 | 22.85 | 24 | 33 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18929-19100 | 75RB#0-100RB#0 | 21.65 | 22.8 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18678-18849 | 1RB#0-0RB#0 | 22.08 | 23.23 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18678-18849 | 75RB#0-100RB#0 | 20.69 | 21.84 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18803-18974 | 1RB#0-0RB#0 | 21.90 | 23.05 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18803-18974 | 75RB#0-100RB#0 | 20.76 | 21.91 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18929-19100 | 1RB#0-0RB#0 | 22.10 | 23.25 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18929-19100 | 75RB#0-100RB#0 | 20.63 | 21.78 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18678-18849 | 1RB#0-0RB#0 | 21.15 | 22.3 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18678-18849 | 75RB#0-100RB#0 | 20.70 | 21.85 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18803-18974 | 1RB#0-0RB#0 | 21.05 | 22.2 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18803-18974 | 75RB#0-100RB#0 | 20.65 | 21.8 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18929-19100 | 1RB#0-0RB#0 | 21.13 | 22.28 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18929-19100 | 75RB#0-100RB#0 | 20.63 | 21.78 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18678-18849 | 1RB#0-0RB#0 | 18.10 | 19.25 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18678-18849 | 75RB#0-100RB#0 | 18.74 | 19.89 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18803-18974 | 1RB#0-0RB#0 | 18.03 | 19.18 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18803-18974 | 75RB#0-100RB#0 | 18.74 | 19.89 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18929-19100 | 1RB#0-0RB#0 | 18.20 | 19.35 | 33 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18929-19100 | 75RB#0-100RB#0 | 18.67 | 19.82 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18700-18844 | 100RB#0-50RB#0 | 21.74 | 22.89 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18700-18844 | 1RB#0-0RB#0 | 22.96 | 24.11 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18851-18995 | 100RB#0-50RB#0 | 21.69 | 22.84 | 33 | PASS |



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| | | | | | | | | |
|-----|-------------|---------------|-------------|----------------|-------|-------|----|------|
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18851-18995 | 1RB#0-0RB#0 | 22.80 | 23.95 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 19001-19145 | 100RB#0-50RB#0 | 21.55 | 22.7 | 33 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 19001-19145 | 1RB#0-0RB#0 | 22.92 | 24.07 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18700-18844 | 100RB#0-50RB#0 | 20.75 | 21.9 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18700-18844 | 1RB#0-0RB#0 | 22.14 | 23.29 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18851-18995 | 100RB#0-50RB#0 | 20.71 | 21.86 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18851-18995 | 1RB#0-0RB#0 | 22.06 | 23.21 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 19001-19145 | 100RB#0-50RB#0 | 20.67 | 21.82 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 19001-19145 | 1RB#0-0RB#0 | 22.10 | 23.25 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18700-18844 | 100RB#0-50RB#0 | 20.74 | 21.89 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18700-18844 | 1RB#0-0RB#0 | 21.28 | 22.43 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18851-18995 | 100RB#0-50RB#0 | 20.76 | 21.91 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18851-18995 | 1RB#0-0RB#0 | 21.09 | 22.24 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 19001-19145 | 100RB#0-50RB#0 | 20.61 | 21.76 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 19001-19145 | 1RB#0-0RB#0 | 21.09 | 22.24 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18700-18844 | 100RB#0-50RB#0 | 18.70 | 19.85 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18700-18844 | 1RB#0-0RB#0 | 18.29 | 19.44 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18851-18995 | 100RB#0-50RB#0 | 18.71 | 19.86 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18851-18995 | 1RB#0-0RB#0 | 18.12 | 19.27 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 19001-19145 | 100RB#0-50RB#0 | 18.49 | 19.64 | 33 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 19001-19145 | 1RB#0-0RB#0 | 18.23 | 19.38 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18700-18871 | 100RB#0-75RB#0 | 21.71 | 22.86 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18700-18871 | 1RB#0-0RB#0 | 22.97 | 24.12 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18826-18997 | 100RB#0-75RB#0 | 21.69 | 22.84 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18826-18997 | 1RB#0-0RB#0 | 22.74 | 23.89 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18951-19122 | 100RB#0-75RB#0 | 21.62 | 22.77 | 33 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18951-19122 | 1RB#0-0RB#0 | 22.96 | 24.11 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18700-18871 | 100RB#0-75RB#0 | 20.73 | 21.88 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18700-18871 | 1RB#0-0RB#0 | 22.16 | 23.31 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18826-18997 | 100RB#0-75RB#0 | 20.67 | 21.82 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18826-18997 | 1RB#0-0RB#0 | 21.94 | 23.09 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18951-19122 | 100RB#0-75RB#0 | 20.65 | 21.8 | 33 | PASS |



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Report No.: SEWM2306000193RG01

Rev.: 01

Page: 7 of 113

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|-----|-------------|---------------|-------------|-----------------|-------|-------|----|------|
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18951-19122 | 1RB#0-0RB#0 | 22.09 | 23.24 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18700-18871 | 100RB#0-75RB#0 | 20.72 | 21.87 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18700-18871 | 1RB#0-0RB#0 | 21.23 | 22.38 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18826-18997 | 100RB#0-75RB#0 | 20.72 | 21.87 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18826-18997 | 1RB#0-0RB#0 | 21.16 | 22.31 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18951-19122 | 100RB#0-75RB#0 | 20.56 | 21.71 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18951-19122 | 1RB#0-0RB#0 | 21.20 | 22.35 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18700-18871 | 100RB#0-75RB#0 | 18.69 | 19.84 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18700-18871 | 1RB#0-0RB#0 | 18.28 | 19.43 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18826-18997 | 100RB#0-75RB#0 | 18.69 | 19.84 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18826-18997 | 1RB#0-0RB#0 | 18.02 | 19.17 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18951-19122 | 100RB#0-75RB#0 | 18.63 | 19.78 | 33 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18951-19122 | 1RB#0-0RB#0 | 18.15 | 19.3 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18700-18898 | 100RB#0-100RB#0 | 21.76 | 22.91 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18700-18898 | 1RB#0-0RB#0 | 22.90 | 24.05 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18801-18999 | 100RB#0-100RB#0 | 21.70 | 22.85 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18801-18999 | 1RB#0-0RB#0 | 22.78 | 23.93 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18902-19100 | 100RB#0-100RB#0 | 21.65 | 22.8 | 33 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18902-19100 | 1RB#0-0RB#0 | 22.88 | 24.03 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18700-18898 | 100RB#0-100RB#0 | 20.74 | 21.89 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18700-18898 | 1RB#0-0RB#0 | 22.05 | 23.2 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18801-18999 | 100RB#0-100RB#0 | 20.72 | 21.87 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18801-18999 | 1RB#0-0RB#0 | 21.88 | 23.03 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18902-19100 | 100RB#0-100RB#0 | 20.70 | 21.85 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18902-19100 | 1RB#0-0RB#0 | 22.18 | 23.33 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18700-18898 | 100RB#0-100RB#0 | 20.69 | 21.84 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18700-18898 | 1RB#0-0RB#0 | 21.29 | 22.44 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18801-18999 | 100RB#0-100RB#0 | 20.71 | 21.86 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18801-18999 | 1RB#0-0RB#0 | 20.96 | 22.11 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18902-19100 | 100RB#0-100RB#0 | 20.71 | 21.86 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18902-19100 | 1RB#0-0RB#0 | 21.08 | 22.23 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18700-18898 | 100RB#0-100RB#0 | 18.71 | 19.86 | 33 | PASS |



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|-----|-------------|---------------|-------------|-----------------|-------|-------|----|------|
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18700-18898 | 1RB#0-0RB#0 | 18.12 | 19.27 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18801-18999 | 100RB#0-100RB#0 | 18.68 | 19.83 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18801-18999 | 1RB#0-0RB#0 | 17.97 | 19.12 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18902-19100 | 100RB#0-100RB#0 | 18.67 | 19.82 | 33 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18902-19100 | 1RB#0-0RB#0 | 18.10 | 19.25 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18700-18817 | 100RB#0-25RB#0 | 21.68 | 22.83 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18700-18817 | 1RB#0-0RB#0 | 22.95 | 24.1 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18875-18992 | 100RB#0-25RB#0 | 21.83 | 22.98 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18875-18992 | 1RB#0-0RB#0 | 22.84 | 23.99 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 19050-19167 | 100RB#0-25RB#0 | 21.69 | 22.84 | 33 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 19050-19167 | 1RB#0-0RB#0 | 22.69 | 23.84 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18700-18817 | 100RB#0-25RB#0 | 20.69 | 21.84 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18700-18817 | 1RB#0-0RB#0 | 22.15 | 23.3 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18875-18992 | 100RB#0-25RB#0 | 20.66 | 21.81 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18875-18992 | 1RB#0-0RB#0 | 22.02 | 23.17 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 19050-19167 | 100RB#0-25RB#0 | 20.47 | 21.62 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 19050-19167 | 1RB#0-0RB#0 | 21.98 | 23.13 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18700-18817 | 100RB#0-25RB#0 | 20.71 | 21.86 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18700-18817 | 1RB#0-0RB#0 | 21.22 | 22.37 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18875-18992 | 100RB#0-25RB#0 | 20.68 | 21.83 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18875-18992 | 1RB#0-0RB#0 | 21.08 | 22.23 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 19050-19167 | 100RB#0-25RB#0 | 20.58 | 21.73 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 19050-19167 | 1RB#0-0RB#0 | 20.99 | 22.14 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18700-18817 | 100RB#0-25RB#0 | 18.67 | 19.82 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18700-18817 | 1RB#0-0RB#0 | 18.33 | 19.48 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18875-18992 | 100RB#0-25RB#0 | 18.63 | 19.78 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18875-18992 | 1RB#0-0RB#0 | 18.15 | 19.3 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 19050-19167 | 100RB#0-25RB#0 | 18.50 | 19.65 | 33 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 19050-19167 | 1RB#0-0RB#0 | 17.99 | 19.14 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18633-18750 | 1RB#0-0RB#0 | 23.12 | 24.27 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18633-18750 | 25RB#0-100RB#0 | 21.85 | 23 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18808-18925 | 1RB#0-0RB#0 | 23.00 | 24.15 | 33 | PASS |



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Report No.: SEWM2306000193RG01

Rev.: 01

Page: 9 of 113

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|-----|------------|---------------|-------------|----------------|-------|-------|----|------|
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18808-18925 | 25RB#0-100RB#0 | 21.85 | 23 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18983-19100 | 1RB#0-0RB#0 | 22.85 | 24 | 33 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18983-19100 | 25RB#0-100RB#0 | 21.61 | 22.76 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18633-18750 | 1RB#0-0RB#0 | 22.27 | 23.42 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18633-18750 | 25RB#0-100RB#0 | 20.85 | 22 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18808-18925 | 1RB#0-0RB#0 | 22.12 | 23.27 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18808-18925 | 25RB#0-100RB#0 | 20.90 | 22.05 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18983-19100 | 1RB#0-0RB#0 | 21.93 | 23.08 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18983-19100 | 25RB#0-100RB#0 | 20.63 | 21.78 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18633-18750 | 1RB#0-0RB#0 | 21.33 | 22.48 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18633-18750 | 25RB#0-100RB#0 | 20.88 | 22.03 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18808-18925 | 1RB#0-0RB#0 | 21.24 | 22.39 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18808-18925 | 25RB#0-100RB#0 | 20.87 | 22.02 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18983-19100 | 1RB#0-0RB#0 | 20.98 | 22.13 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18983-19100 | 25RB#0-100RB#0 | 20.59 | 21.74 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18633-18750 | 1RB#0-0RB#0 | 18.24 | 19.39 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18633-18750 | 25RB#0-100RB#0 | 18.84 | 19.99 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18808-18925 | 1RB#0-0RB#0 | 18.21 | 19.36 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18808-18925 | 25RB#0-100RB#0 | 18.82 | 19.97 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18983-19100 | 1RB#0-0RB#0 | 18.02 | 19.17 | 33 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18983-19100 | 25RB#0-100RB#0 | 18.60 | 19.75 | 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 | 6.20 | 13 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18801-18999 | 100RB#0-100RB#0 | 6.20 | 13 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18902-19100 | 100RB#0-100RB#0 | 6.16 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18700-18898 | 100RB#0-100RB#0 | 6.78 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18801-18999 | 100RB#0-100RB#0 | 6.78 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18902-19100 | 100RB#0-100RB#0 | 6.72 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18700-18898 | 100RB#0-100RB#0 | 6.84 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18801-18999 | 100RB#0-100RB#0 | 6.90 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18902-19100 | 100RB#0-100RB#0 | 6.90 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18700-18898 | 100RB#0-100RB#0 | 6.96 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18801-18999 | 100RB#0-100RB#0 | 7.00 | 13 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18902-19100 | 100RB#0-100RB#0 | 6.96 | 13 | PASS |



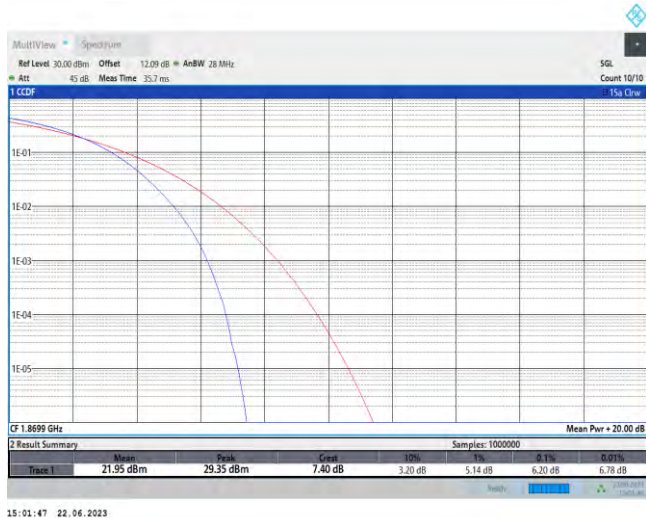
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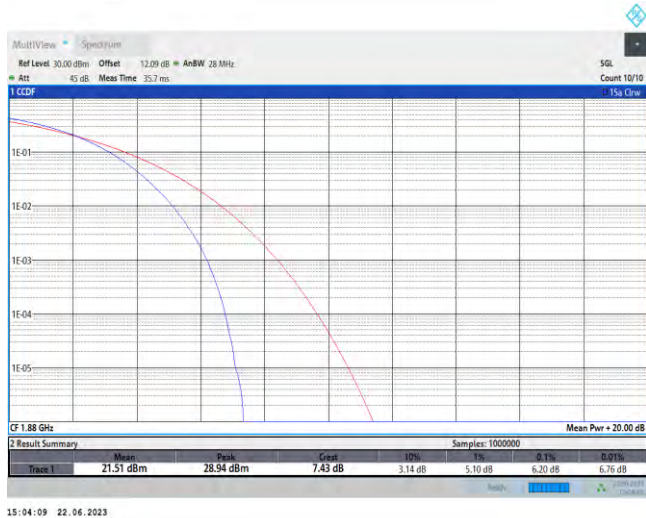
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Test Graphs

2-2-20MHz-20MHz-QPSK-QPSK-18700-18898-100RB#0-100RB#0



2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-100RB#0-100RB#0

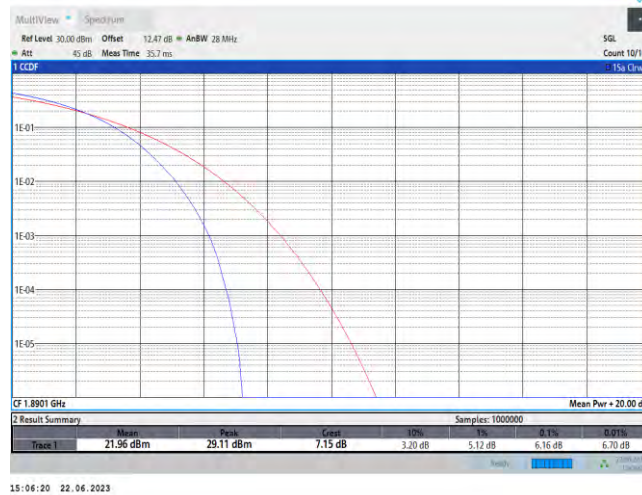


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2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-100RB#0-100RB#0



15:06:20 22.06.2023

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



15:02:18 22.06.2023

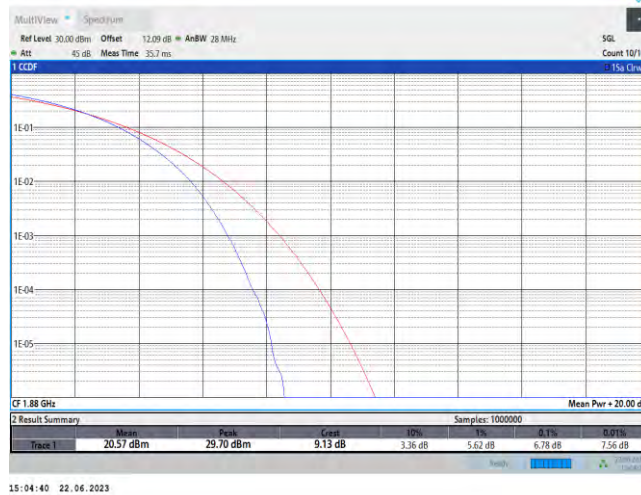


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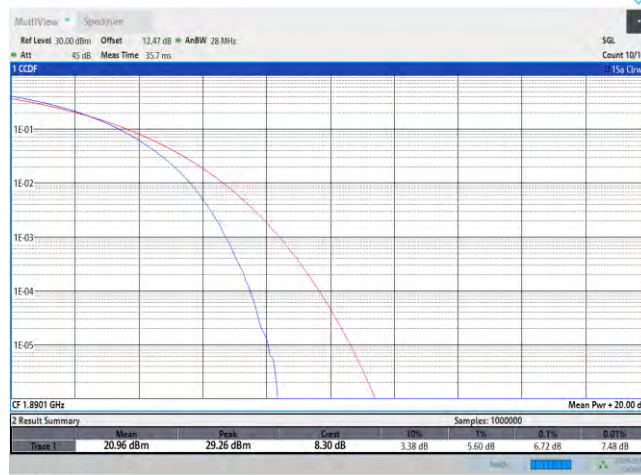
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2-2-20MHz-20MHz-16QAM-16QAM-18801-18999-100RB#0-100RB#0



15:04:40 22.06.2023

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



15:06:52 22.06.2023

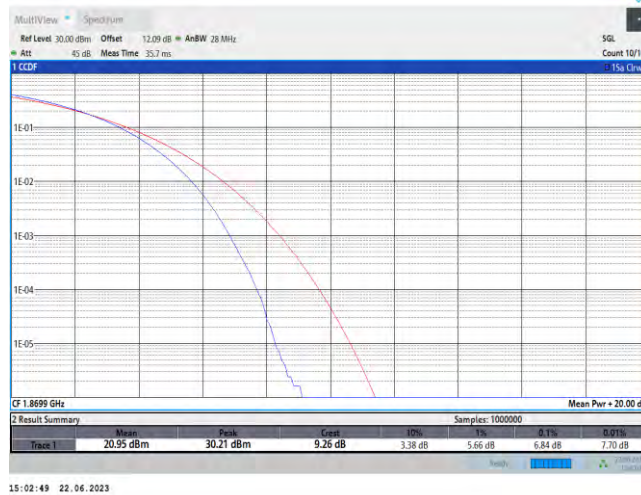


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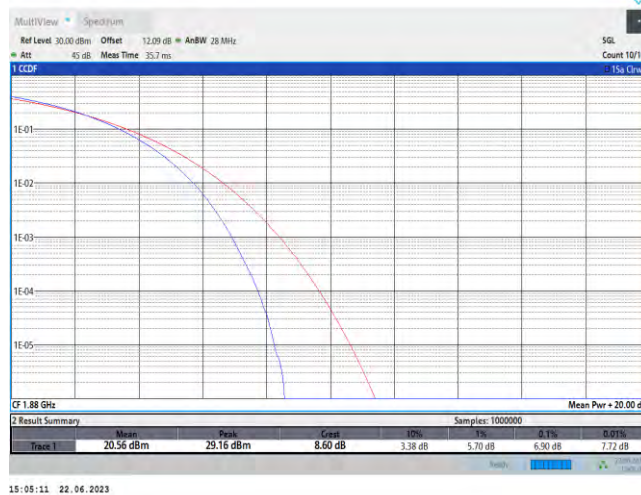
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2-2-20MHz-20MHz-64QAM-64QAM-18700-18898-100RB#0-100RB#0



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

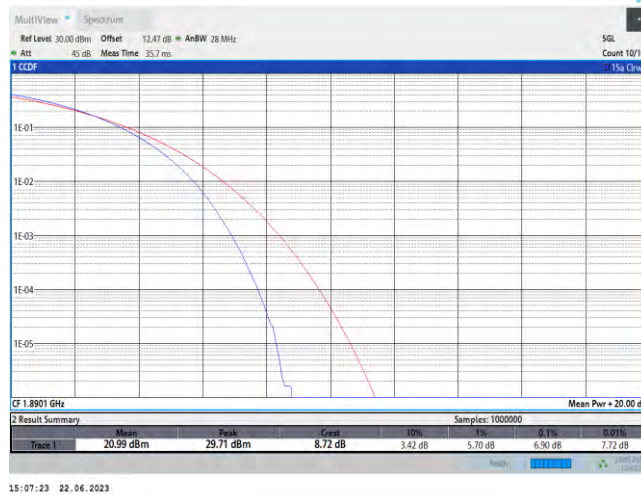


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2-2-20MHz-20MHz-64QAM-64QAM-18902-19100-100RB#0-100RB#0



15:07:23 22.06.2023

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



15:03:19 22.06.2023

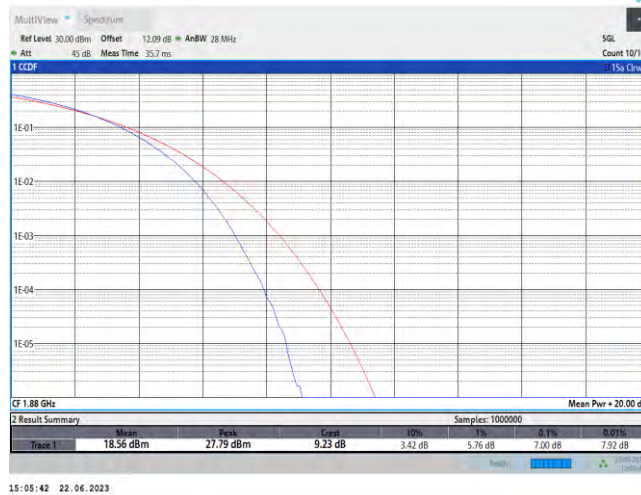


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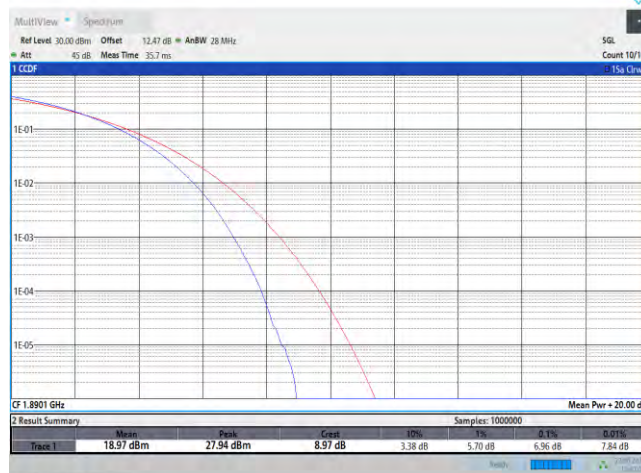
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2-2-20MHz-20MHz-256QAM-256QAM-18801-18999-100RB#0-100RB#0



15:05:42 22.06.2023

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



15:07:54 22.06.2023



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Modulation Characteristics

Test Result

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



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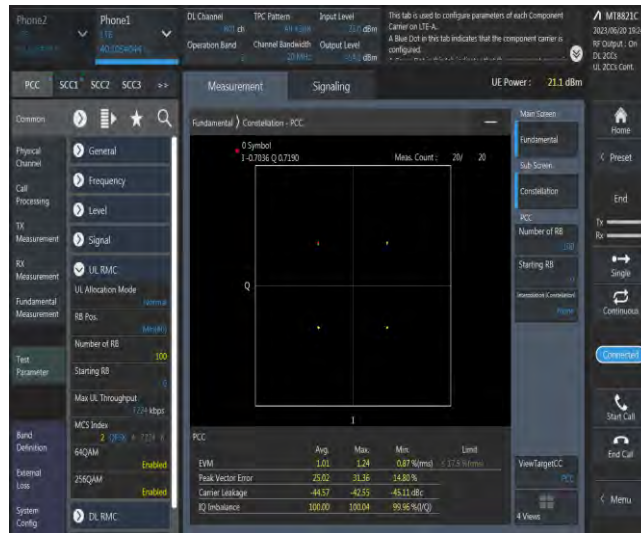
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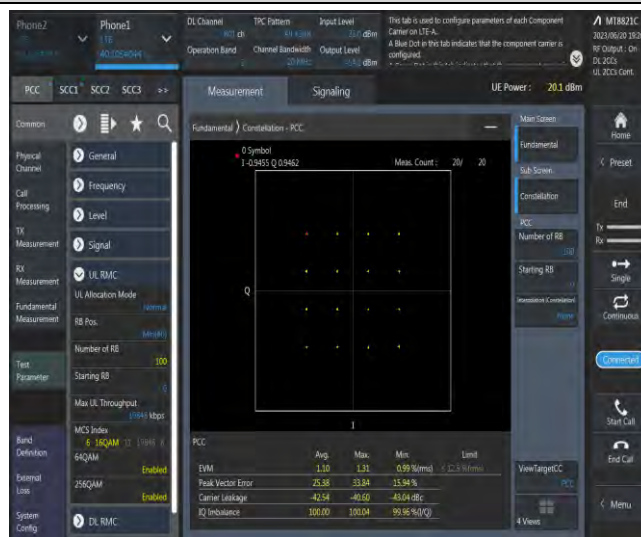
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Test Graphs

2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-100RB#0-100RB#0



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

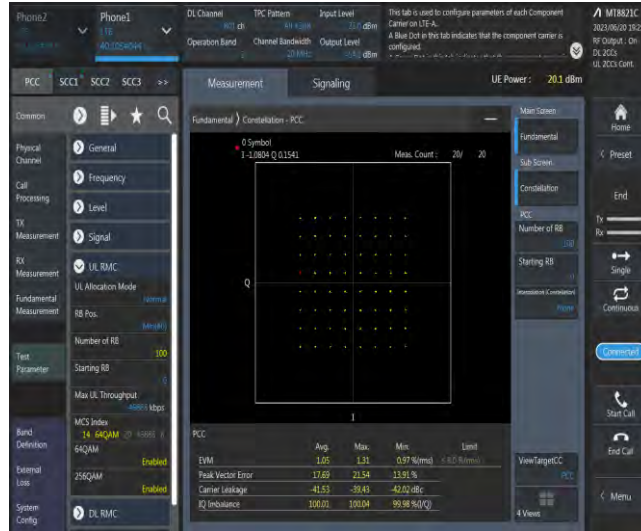


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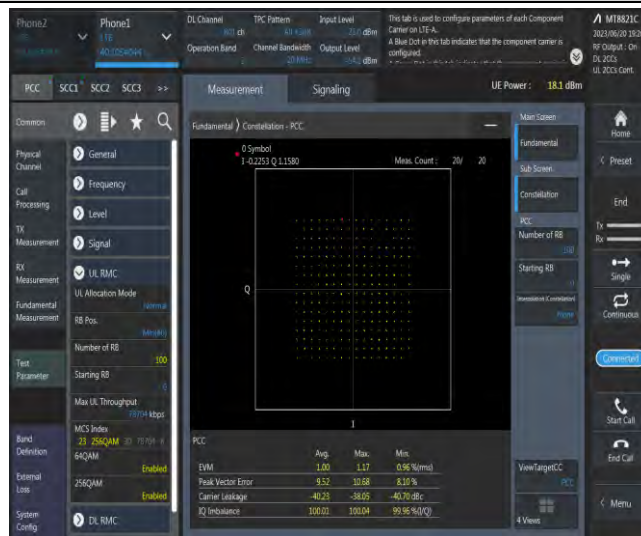
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2-2-20MHz-20MHz-64QAM-64QAM-18801-18999-100RB#0-100RB#0



2-2-20MHz-20MHz-256QAM-256QAM-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 | 23.084 | 24.70 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 18829-18949 | 50RB#0-75RB#0 | 23.108 | 24.85 | PASS |
| 2-2 | 10MHz-15MHz | QPSK-QPSK | 19005-19125 | 50RB#0-75RB#0 | 23.176 | 24.65 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18653-18773 | 50RB#0-75RB#0 | 23.082 | 24.70 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 18829-18949 | 50RB#0-75RB#0 | 23.151 | 24.75 | PASS |
| 2-2 | 10MHz-15MHz | 16QAM-16QAM | 19005-19125 | 50RB#0-75RB#0 | 23.124 | 24.90 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18653-18773 | 50RB#0-75RB#0 | 23.035 | 24.60 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 18829-18949 | 50RB#0-75RB#0 | 23.062 | 24.75 | PASS |
| 2-2 | 10MHz-15MHz | 64QAM-64QAM | 19005-19125 | 50RB#0-75RB#0 | 23.068 | 24.70 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18653-18773 | 50RB#0-75RB#0 | 22.992 | 24.65 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 18829-18949 | 50RB#0-75RB#0 | 23.1 | 24.95 | PASS |
| 2-2 | 10MHz-15MHz | 256QAM-256QAM | 19005-19125 | 50RB#0-75RB#0 | 23.028 | 24.70 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18655-18799 | 50RB#0-100RB#0 | 27.652 | 29.46 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18806-18950 | 50RB#0-100RB#0 | 27.7 | 29.58 | PASS |
| 2-2 | 10MHz-20MHz | QPSK-QPSK | 18956-19100 | 50RB#0-100RB#0 | 27.684 | 29.52 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18655-18799 | 50RB#0-100RB#0 | 27.71 | 29.40 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18806-18950 | 50RB#0-100RB#0 | 27.681 | 29.46 | PASS |
| 2-2 | 10MHz-20MHz | 16QAM-16QAM | 18956-19100 | 50RB#0-100RB#0 | 27.596 | 29.40 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18655-18799 | 50RB#0-100RB#0 | 27.703 | 29.40 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18806-18950 | 50RB#0-100RB#0 | 27.643 | 29.52 | PASS |
| 2-2 | 10MHz-20MHz | 64QAM-64QAM | 18956-19100 | 50RB#0-100RB#0 | 27.626 | 29.46 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18655-18799 | 50RB#0-100RB#0 | 27.644 | 29.34 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18806-18950 | 50RB#0-100RB#0 | 27.625 | 29.46 | PASS |
| 2-2 | 10MHz-20MHz | 256QAM-256QAM | 18956-19100 | 50RB#0-100RB#0 | 27.654 | 29.40 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18675-18795 | 75RB#0-50RB#0 | 23.088 | 24.85 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 18851-18971 | 75RB#0-50RB#0 | 23.121 | 24.95 | PASS |
| 2-2 | 15MHz-10MHz | QPSK-QPSK | 19027-19147 | 75RB#0-50RB#0 | 23.226 | 25.10 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18675-18795 | 75RB#0-50RB#0 | 23.137 | 24.70 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 18851-18971 | 75RB#0-50RB#0 | 23.116 | 24.90 | PASS |
| 2-2 | 15MHz-10MHz | 16QAM-16QAM | 19027-19147 | 75RB#0-50RB#0 | 23.163 | 25.00 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18675-18795 | 75RB#0-50RB#0 | 23.069 | 24.75 | PASS |



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| | | | | | | | |
|-----|-------------|---------------|-------------|----------------|--------|-------|------|
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 18851-18971 | 75RB#0-50RB#0 | 23.135 | 24.95 | PASS |
| 2-2 | 15MHz-10MHz | 64QAM-64QAM | 19027-19147 | 75RB#0-50RB#0 | 23.153 | 24.85 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18675-18795 | 75RB#0-50RB#0 | 23.148 | 24.95 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 18851-18971 | 75RB#0-50RB#0 | 23.107 | 24.85 | PASS |
| 2-2 | 15MHz-10MHz | 256QAM-256QAM | 19027-19147 | 75RB#0-50RB#0 | 23.174 | 24.95 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18675-18825 | 75RB#0-75RB#0 | 28.308 | 30.06 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18825-18975 | 75RB#0-75RB#0 | 28.15 | 30.12 | PASS |
| 2-2 | 15MHz-15MHz | QPSK-QPSK | 18975-19125 | 75RB#0-75RB#0 | 28.252 | 30.36 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18675-18825 | 75RB#0-75RB#0 | 28.302 | 30.18 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18825-18975 | 75RB#0-75RB#0 | 28.289 | 30.06 | PASS |
| 2-2 | 15MHz-15MHz | 16QAM-16QAM | 18975-19125 | 75RB#0-75RB#0 | 28.219 | 30.00 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18675-18825 | 75RB#0-75RB#0 | 28.262 | 30.30 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18825-18975 | 75RB#0-75RB#0 | 28.224 | 30.30 | PASS |
| 2-2 | 15MHz-15MHz | 64QAM-64QAM | 18975-19125 | 75RB#0-75RB#0 | 28.262 | 30.24 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18675-18825 | 75RB#0-75RB#0 | 28.25 | 30.18 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18825-18975 | 75RB#0-75RB#0 | 28.227 | 30.18 | PASS |
| 2-2 | 15MHz-15MHz | 256QAM-256QAM | 18975-19125 | 75RB#0-75RB#0 | 28.161 | 30.00 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18678-18849 | 75RB#0-100RB#0 | 32.589 | 34.58 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18803-18974 | 75RB#0-100RB#0 | 32.397 | 34.58 | PASS |
| 2-2 | 15MHz-20MHz | QPSK-QPSK | 18929-19100 | 75RB#0-100RB#0 | 32.498 | 34.51 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18678-18849 | 75RB#0-100RB#0 | 32.627 | 34.58 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18803-18974 | 75RB#0-100RB#0 | 32.536 | 34.72 | PASS |
| 2-2 | 15MHz-20MHz | 16QAM-16QAM | 18929-19100 | 75RB#0-100RB#0 | 32.48 | 34.44 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18678-18849 | 75RB#0-100RB#0 | 32.578 | 34.51 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18803-18974 | 75RB#0-100RB#0 | 32.571 | 34.86 | PASS |
| 2-2 | 15MHz-20MHz | 64QAM-64QAM | 18929-19100 | 75RB#0-100RB#0 | 32.511 | 34.44 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18678-18849 | 75RB#0-100RB#0 | 32.609 | 34.58 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18803-18974 | 75RB#0-100RB#0 | 32.527 | 34.51 | PASS |
| 2-2 | 15MHz-20MHz | 256QAM-256QAM | 18929-19100 | 75RB#0-100RB#0 | 32.495 | 34.65 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18700-18844 | 100RB#0-50RB#0 | 27.747 | 29.64 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 18851-18995 | 100RB#0-50RB#0 | 27.716 | 29.76 | PASS |
| 2-2 | 20MHz-10MHz | QPSK-QPSK | 19001-19145 | 100RB#0-50RB#0 | 27.713 | 29.58 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18700-18844 | 100RB#0-50RB#0 | 27.773 | 29.76 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 18851-18995 | 100RB#0-50RB#0 | 27.725 | 29.64 | PASS |
| 2-2 | 20MHz-10MHz | 16QAM-16QAM | 19001-19145 | 100RB#0-50RB#0 | 27.72 | 29.64 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18700-18844 | 100RB#0-50RB#0 | 27.743 | 29.52 | PASS |
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 18851-18995 | 100RB#0-50RB#0 | 27.756 | 29.76 | PASS |



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| | | | | | | | |
|-----|-------------|---------------|-------------|-----------------|--------|-------|------|
| 2-2 | 20MHz-10MHz | 64QAM-64QAM | 19001-19145 | 100RB#0-50RB#0 | 27.753 | 29.82 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18700-18844 | 100RB#0-50RB#0 | 27.731 | 29.64 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 18851-18995 | 100RB#0-50RB#0 | 27.671 | 29.82 | PASS |
| 2-2 | 20MHz-10MHz | 256QAM-256QAM | 19001-19145 | 100RB#0-50RB#0 | 27.702 | 29.88 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18700-18871 | 100RB#0-75RB#0 | 32.569 | 34.58 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18826-18997 | 100RB#0-75RB#0 | 32.525 | 34.79 | PASS |
| 2-2 | 20MHz-15MHz | QPSK-QPSK | 18951-19122 | 100RB#0-75RB#0 | 32.601 | 34.58 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18700-18871 | 100RB#0-75RB#0 | 32.569 | 34.72 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18826-18997 | 100RB#0-75RB#0 | 32.582 | 34.44 | PASS |
| 2-2 | 20MHz-15MHz | 16QAM-16QAM | 18951-19122 | 100RB#0-75RB#0 | 32.537 | 34.58 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18700-18871 | 100RB#0-75RB#0 | 32.62 | 34.72 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18826-18997 | 100RB#0-75RB#0 | 32.508 | 34.65 | PASS |
| 2-2 | 20MHz-15MHz | 64QAM-64QAM | 18951-19122 | 100RB#0-75RB#0 | 32.541 | 34.72 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18700-18871 | 100RB#0-75RB#0 | 32.611 | 34.51 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18826-18997 | 100RB#0-75RB#0 | 32.522 | 34.79 | PASS |
| 2-2 | 20MHz-15MHz | 256QAM-256QAM | 18951-19122 | 100RB#0-75RB#0 | 32.533 | 34.79 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18700-18898 | 100RB#0-100RB#0 | 37.777 | 40.72 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18801-18999 | 100RB#0-100RB#0 | 37.632 | 40.48 | PASS |
| 2-2 | 20MHz-20MHz | QPSK-QPSK | 18902-19100 | 100RB#0-100RB#0 | 37.693 | 40.40 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18700-18898 | 100RB#0-100RB#0 | 37.688 | 40.32 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18801-18999 | 100RB#0-100RB#0 | 37.61 | 40.40 | PASS |
| 2-2 | 20MHz-20MHz | 16QAM-16QAM | 18902-19100 | 100RB#0-100RB#0 | 37.653 | 40.40 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18700-18898 | 100RB#0-100RB#0 | 37.714 | 40.56 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18801-18999 | 100RB#0-100RB#0 | 37.603 | 40.40 | PASS |
| 2-2 | 20MHz-20MHz | 64QAM-64QAM | 18902-19100 | 100RB#0-100RB#0 | 37.685 | 40.40 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18700-18898 | 100RB#0-100RB#0 | 37.716 | 40.40 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18801-18999 | 100RB#0-100RB#0 | 37.579 | 40.40 | PASS |
| 2-2 | 20MHz-20MHz | 256QAM-256QAM | 18902-19100 | 100RB#0-100RB#0 | 37.672 | 40.32 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18700-18817 | 100RB#0-25RB#0 | 22.884 | 24.55 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 18875-18992 | 100RB#0-25RB#0 | 22.884 | 24.65 | PASS |
| 2-2 | 20MHz-5MHz | QPSK-QPSK | 19050-19167 | 100RB#0-25RB#0 | 22.975 | 24.70 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18700-18817 | 100RB#0-25RB#0 | 22.905 | 24.60 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 18875-18992 | 100RB#0-25RB#0 | 22.893 | 24.45 | PASS |
| 2-2 | 20MHz-5MHz | 16QAM-16QAM | 19050-19167 | 100RB#0-25RB#0 | 22.92 | 24.70 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18700-18817 | 100RB#0-25RB#0 | 22.916 | 24.45 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 18875-18992 | 100RB#0-25RB#0 | 22.863 | 24.50 | PASS |
| 2-2 | 20MHz-5MHz | 64QAM-64QAM | 19050-19167 | 100RB#0-25RB#0 | 22.953 | 24.55 | PASS |



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Report No.: SEWM2306000193RG01

Rev.: 01

Page: 23 of 113

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|-----|------------|---------------|-------------|----------------|--------|-------|------|
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18700-18817 | 100RB#0-25RB#0 | 22.935 | 24.60 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 18875-18992 | 100RB#0-25RB#0 | 22.914 | 24.55 | PASS |
| 2-2 | 20MHz-5MHz | 256QAM-256QAM | 19050-19167 | 100RB#0-25RB#0 | 22.867 | 24.75 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18633-18750 | 25RB#0-100RB#0 | 22.916 | 24.40 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18808-18925 | 25RB#0-100RB#0 | 22.964 | 24.50 | PASS |
| 2-2 | 5MHz-20MHz | QPSK-QPSK | 18983-19100 | 25RB#0-100RB#0 | 22.939 | 24.35 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18633-18750 | 25RB#0-100RB#0 | 22.847 | 24.35 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18808-18925 | 25RB#0-100RB#0 | 22.913 | 24.45 | PASS |
| 2-2 | 5MHz-20MHz | 16QAM-16QAM | 18983-19100 | 25RB#0-100RB#0 | 22.87 | 24.35 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18633-18750 | 25RB#0-100RB#0 | 22.842 | 24.25 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18808-18925 | 25RB#0-100RB#0 | 22.913 | 24.40 | PASS |
| 2-2 | 5MHz-20MHz | 64QAM-64QAM | 18983-19100 | 25RB#0-100RB#0 | 22.86 | 24.30 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18633-18750 | 25RB#0-100RB#0 | 22.85 | 24.30 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18808-18925 | 25RB#0-100RB#0 | 22.885 | 24.40 | PASS |
| 2-2 | 5MHz-20MHz | 256QAM-256QAM | 18983-19100 | 25RB#0-100RB#0 | 22.904 | 24.45 | PASS |



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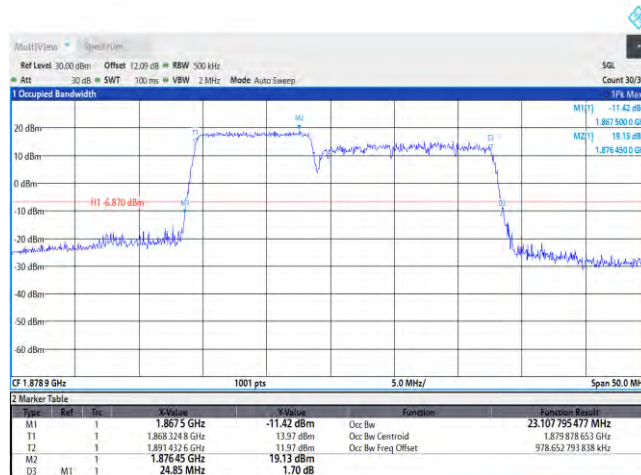
Test Graphs

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



16:53:09 16.06.2023

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



15:34:29 16.06.2023



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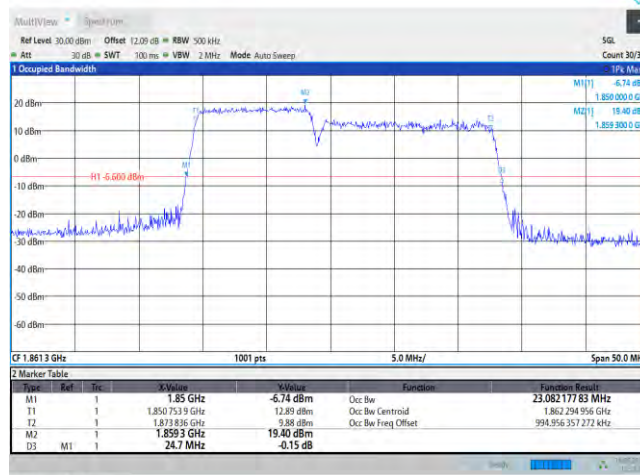
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2-2-10MHz-15MHz-QPSK-QPSK-19005-19125-50RB#0-75RB#0



15:36:39 16.06.2023

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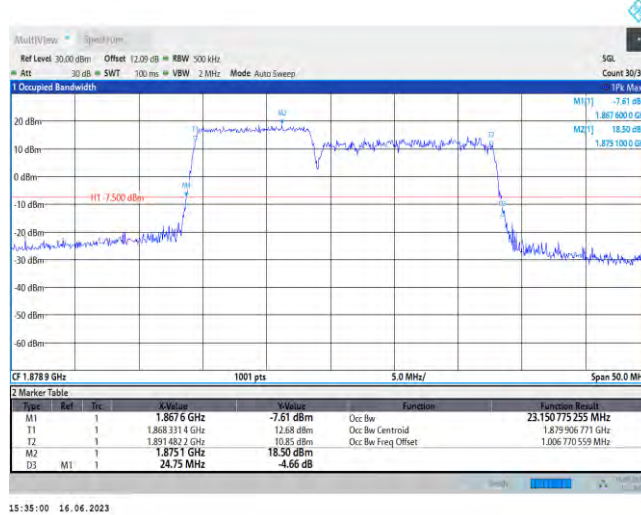


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2-2-10MHz-15MHz-16QAM-16QAM-18829-18949-50RB#0-75RB#0



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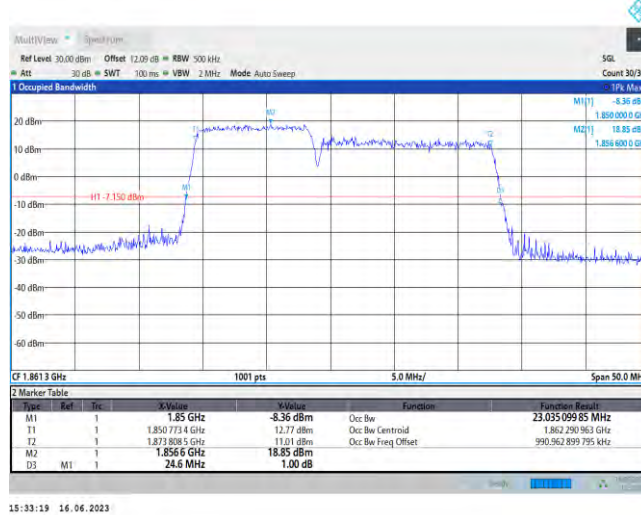


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15:33:19 16.06.2023

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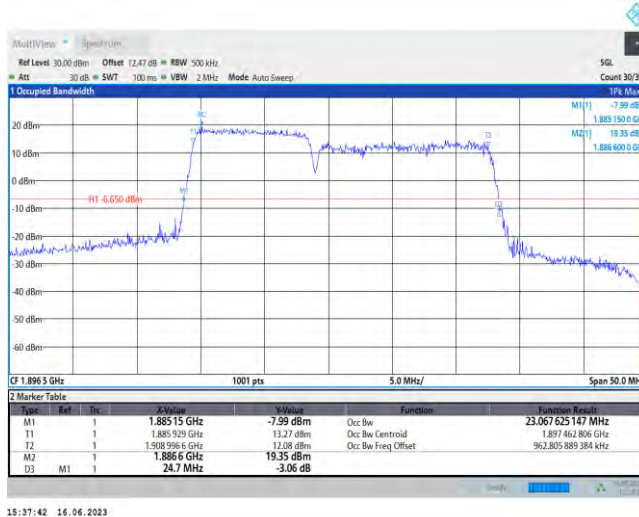
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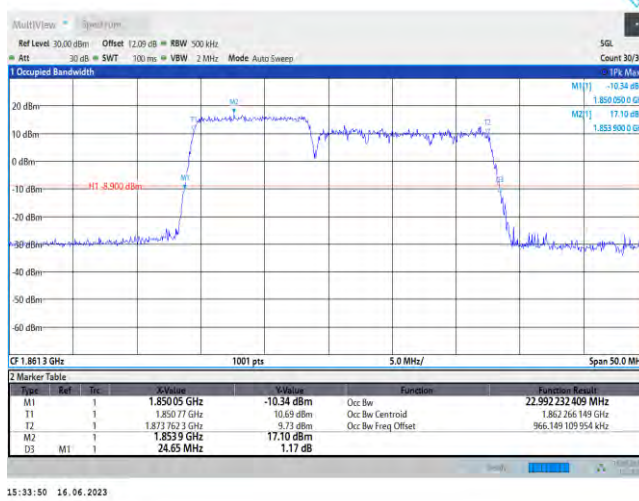
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2-2-10MHz-15MHz-64QAM-64QAM-19005-19125-50RB#0-75RB#0



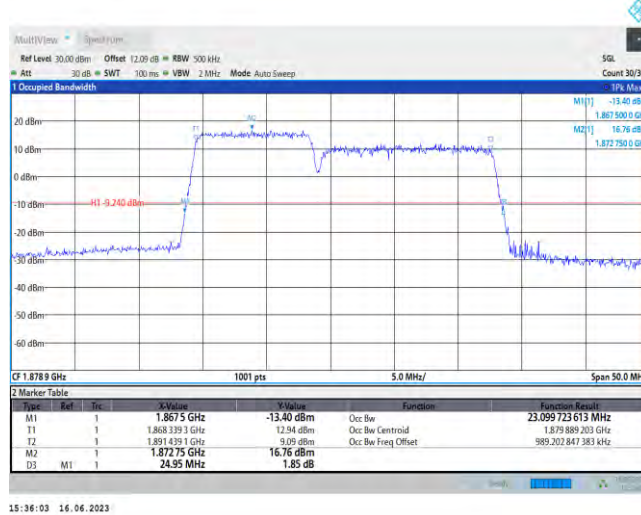
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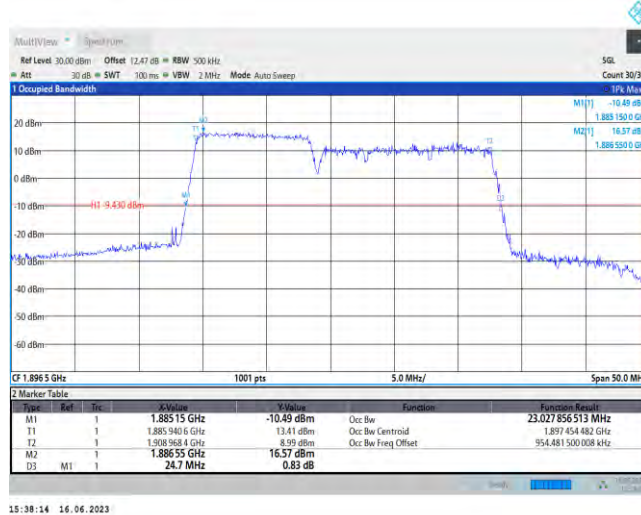
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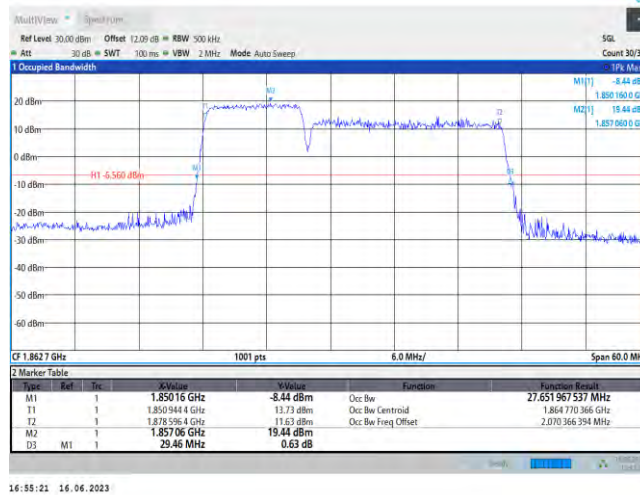


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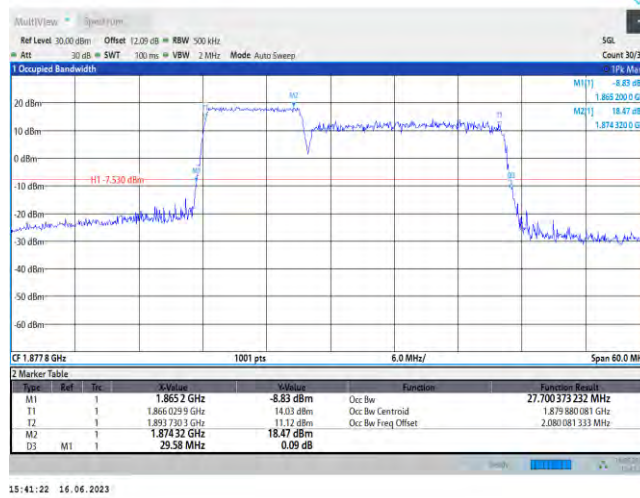
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2-2-10MHz-20MHz-QPSK-QPSK-18655-18799-50RB#0-100RB#0



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



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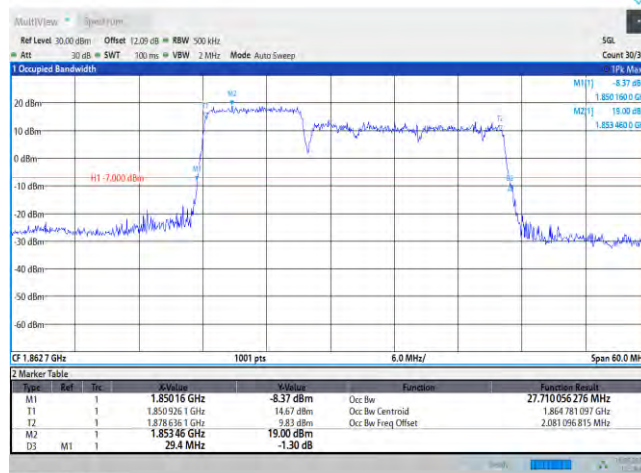
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2-2-10MHz-20MHz-QPSK-QPSK-18956-19100-50RB#0-100RB#0



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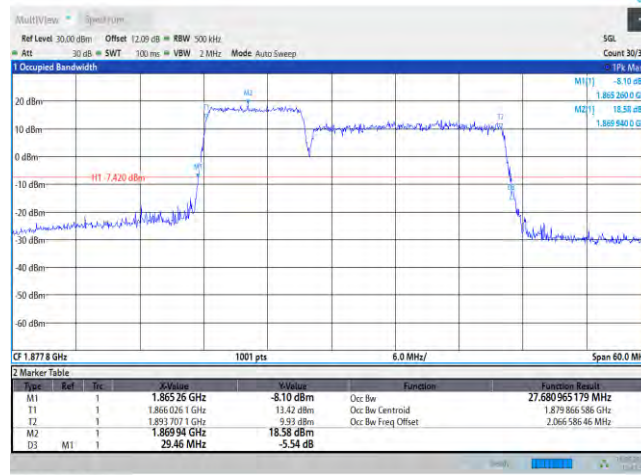


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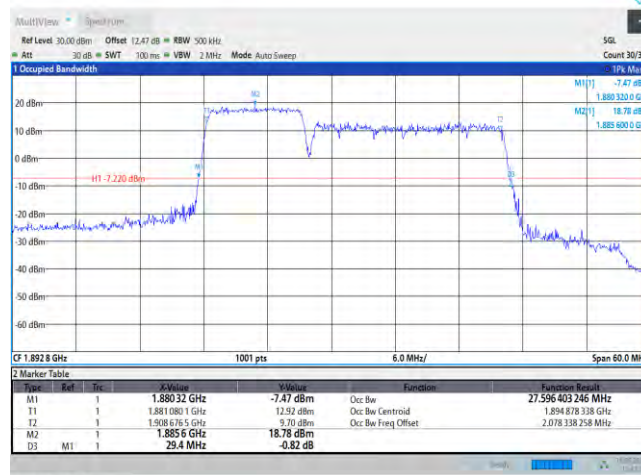
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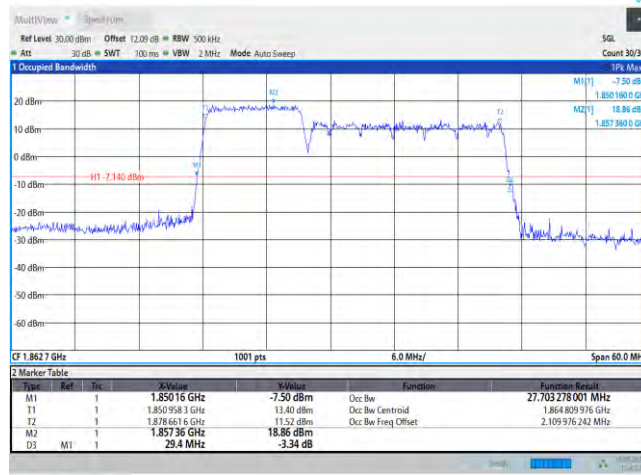
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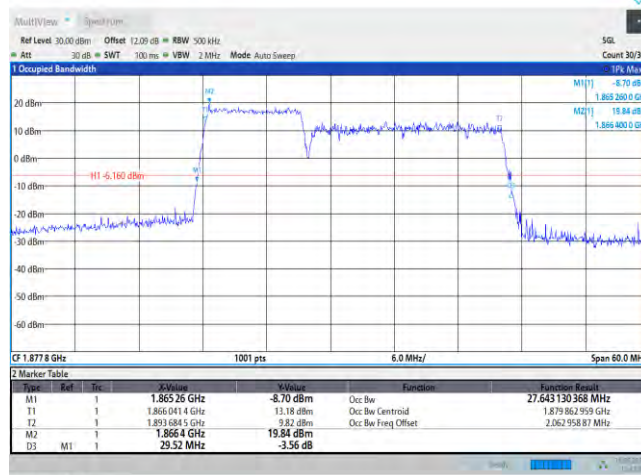
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2-2-10MHz-20MHz-64QAM-64QAM-18655-18799-50RB#0-100RB#0



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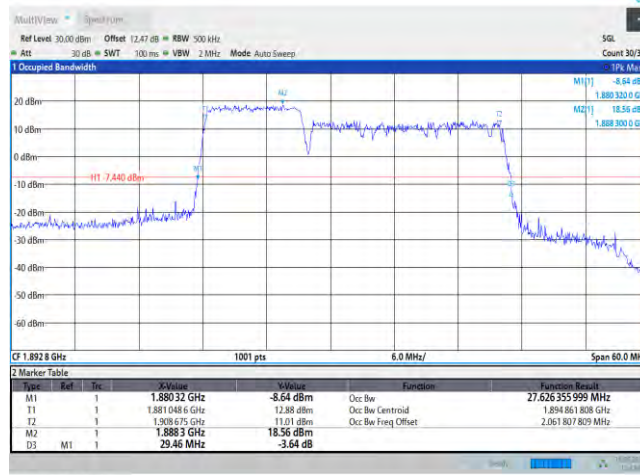


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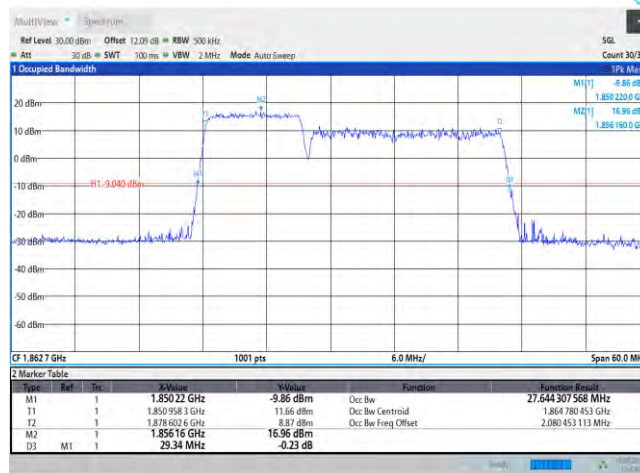
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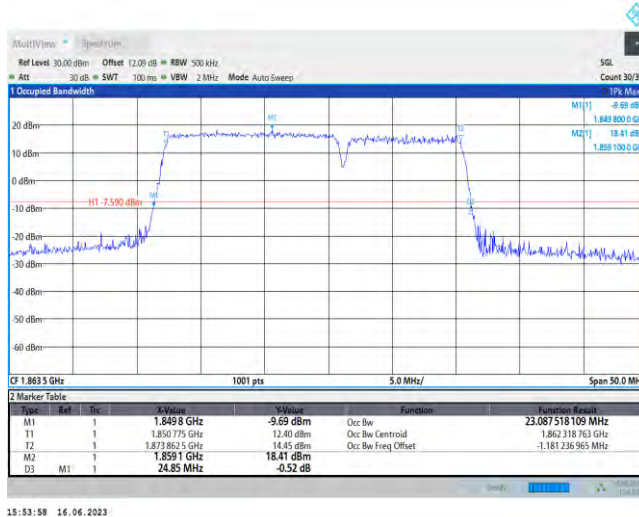


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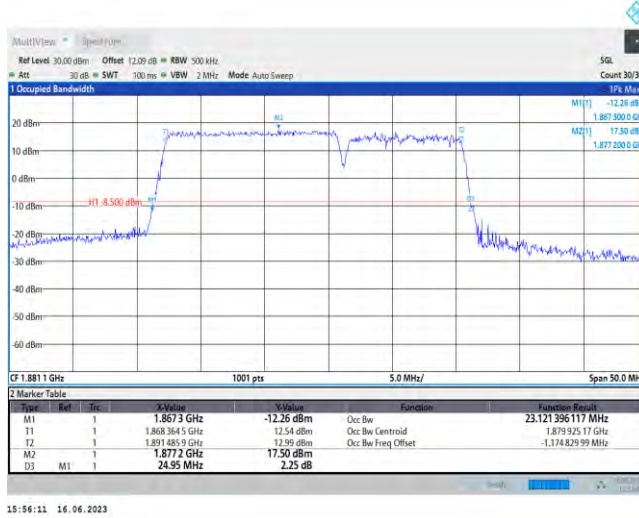
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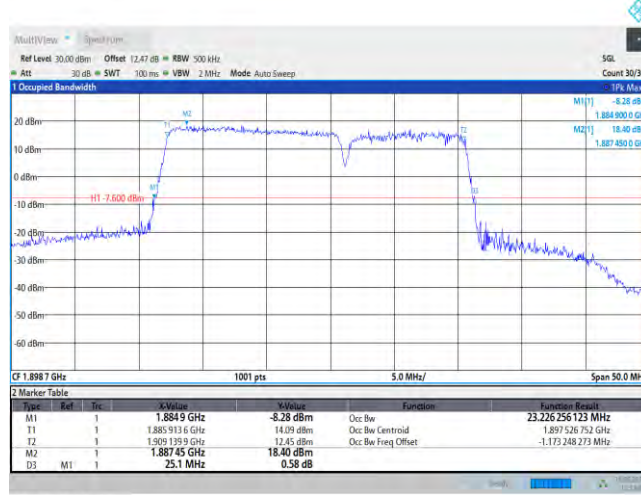
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2-2-15MHz-10MHz-QPSK-QPSK-19027-19147-75RB#0-50RB#0



15:58:22 16.06.2023

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15:54:29 16.06.2023

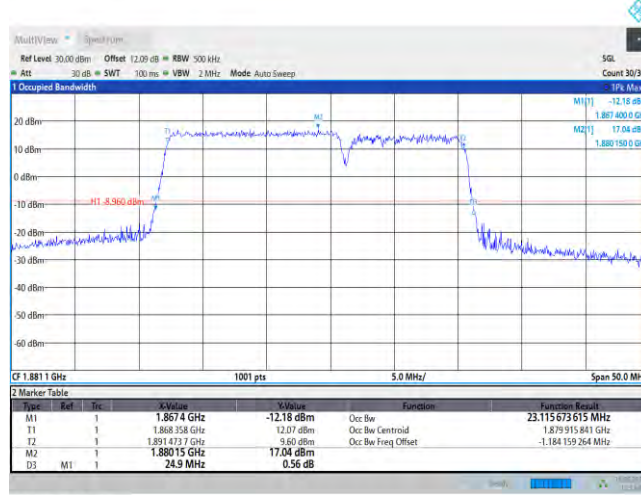


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15:56:42 16.06.2023

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15:58:54 16.06.2023



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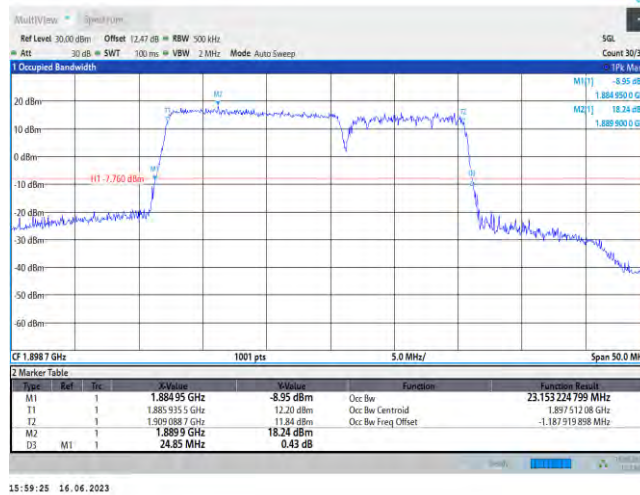


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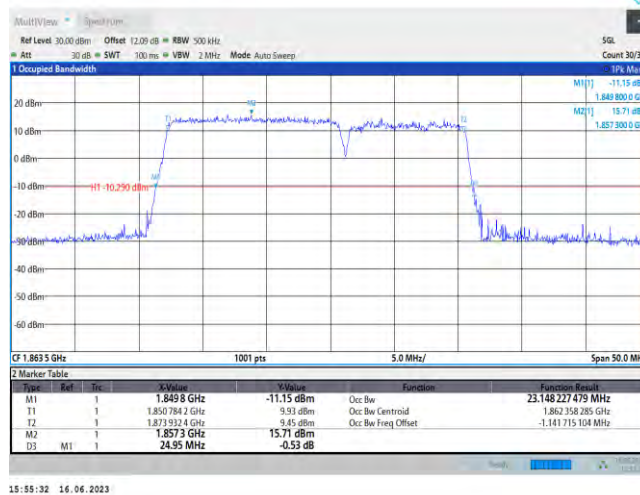
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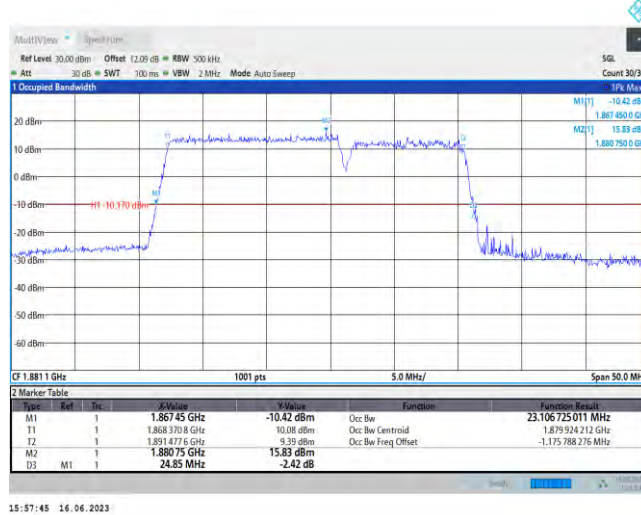
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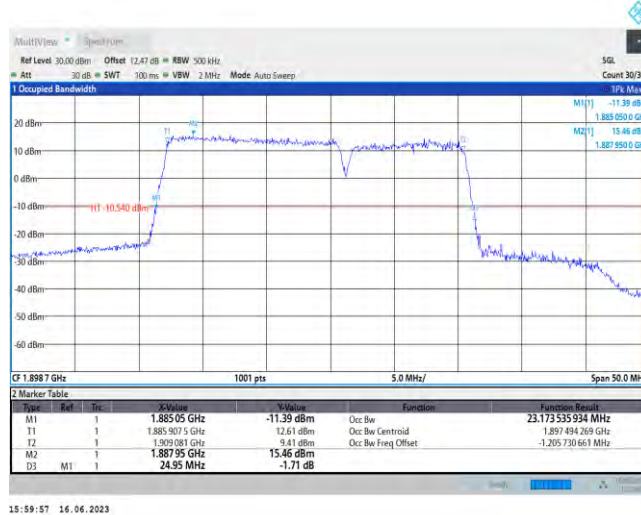
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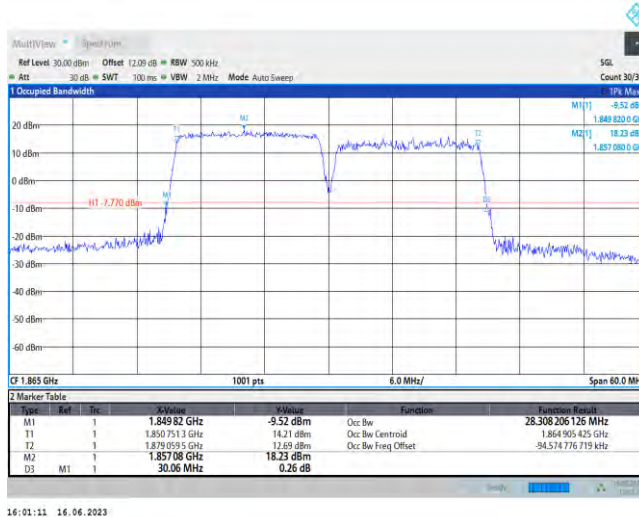


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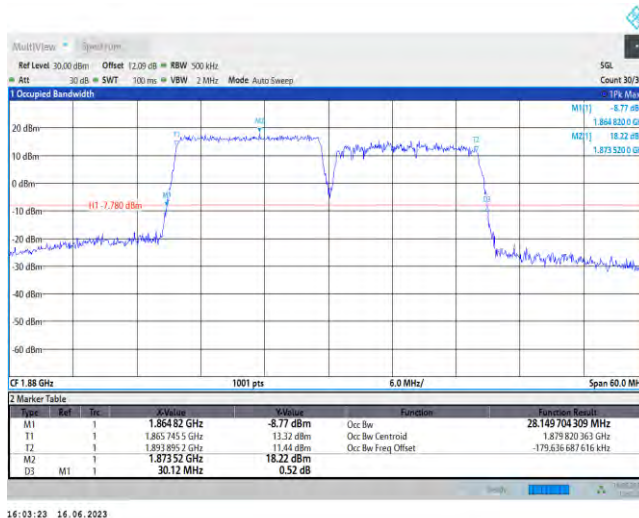
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16:01:11 16.06.2023

2-2-15MHz-15MHz-QPSK-QPSK-18825-18975-75RB#0-75RB#0



16:03:23 16.06.2023



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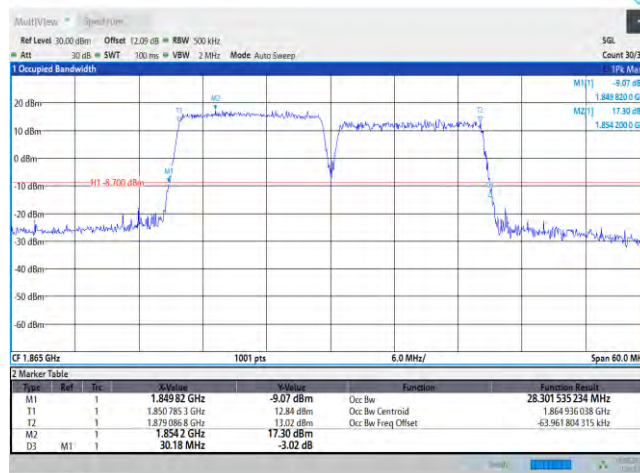
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2-2-15MHz-15MHz-QPSK-QPSK-18975-19125-75RB#0-75RB#0



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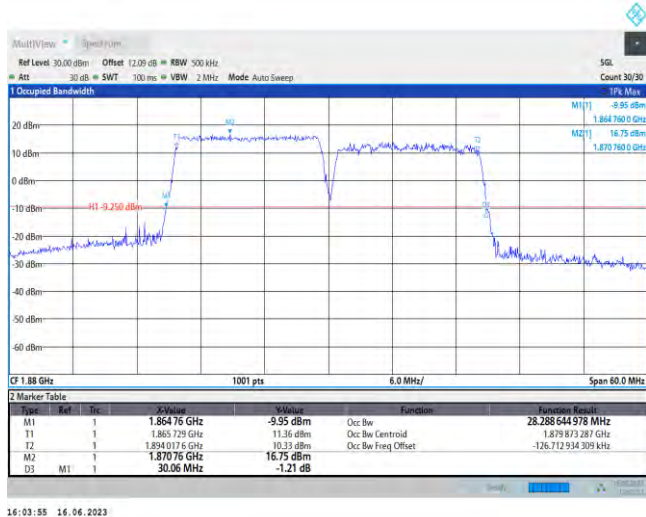


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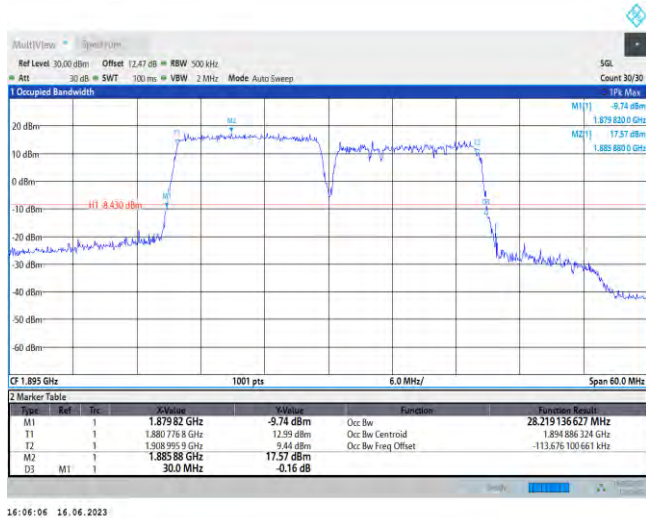
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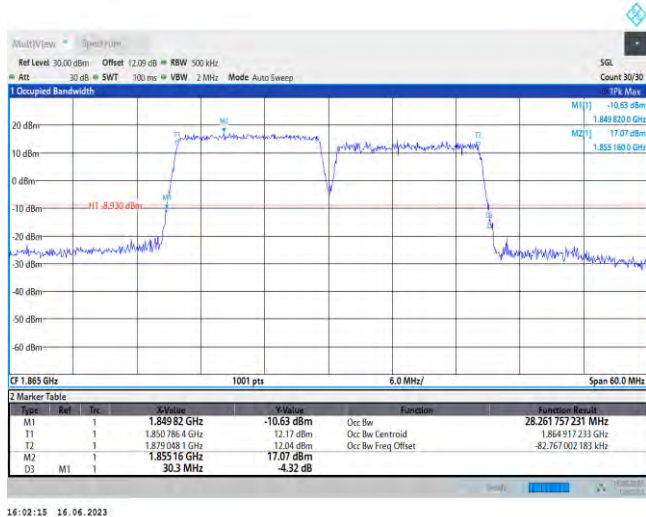


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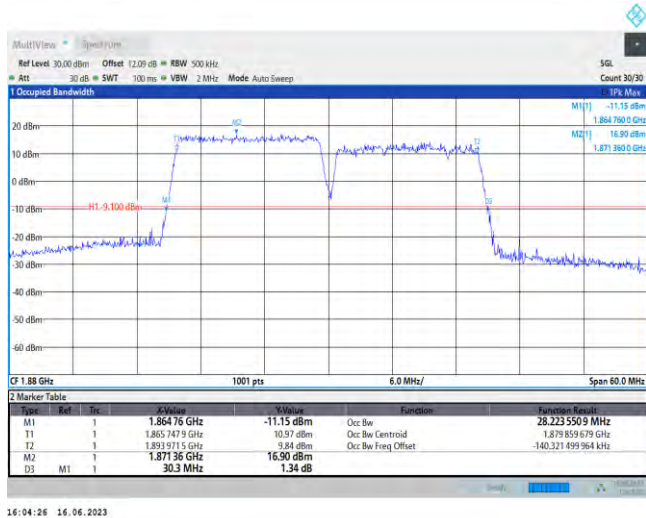
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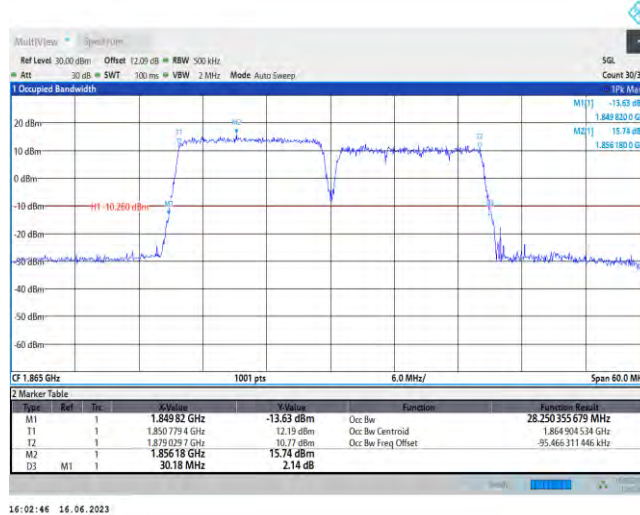
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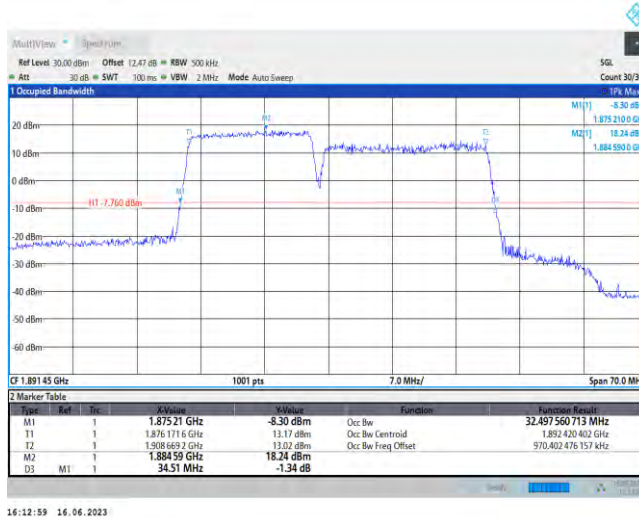
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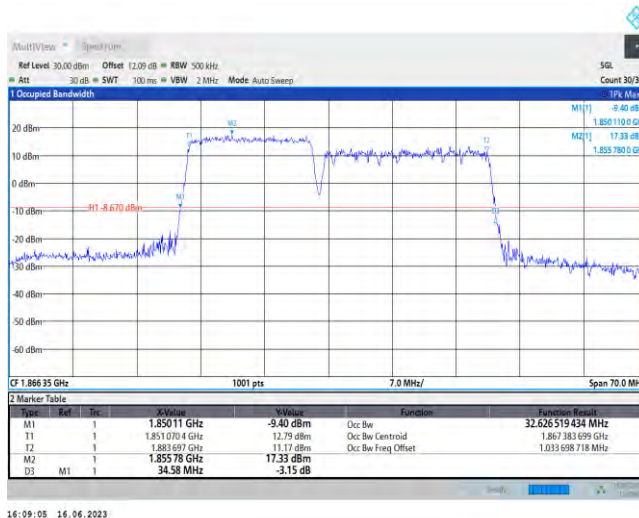
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2-2-15MHz-20MHz-QPSK-QPSK-18929-19100-75RB#0-100RB#0



2-2-15MHz-20MHz-16QAM-16QAM-18678-18849-75RB#0-100RB#0



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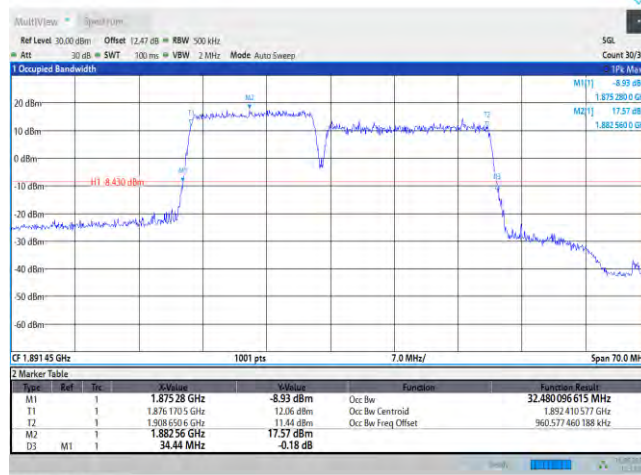
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2-2-15MHz-20MHz-16QAM-16QAM-18803-18974-75RB#0-100RB#0



2-2-15MHz-20MHz-16QAM-16QAM-18929-19100-75RB#0-100RB#0



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2-2-15MHz-20MHz-64QAM-64QAM-18678-18849-75RB#0-100RB#0



16:09:37 16.06.2023

2-2-15MHz-20MHz-64QAM-64QAM-18803-18974-75RB#0-100RB#0



16:11:50 16.06.2023

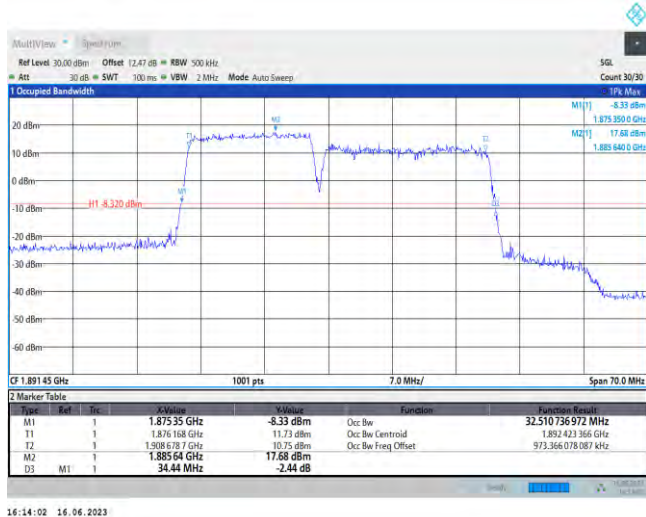


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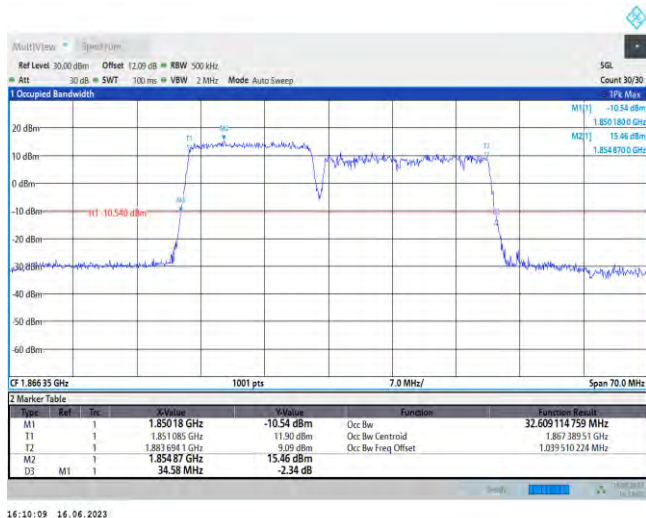
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2-2-15MHz-20MHz-64QAM-64QAM-18929-19100-75RB#0-100RB#0



16:14:02 16.06.2023

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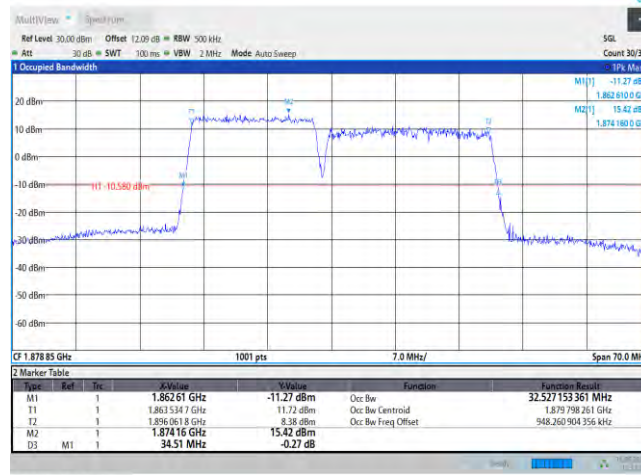


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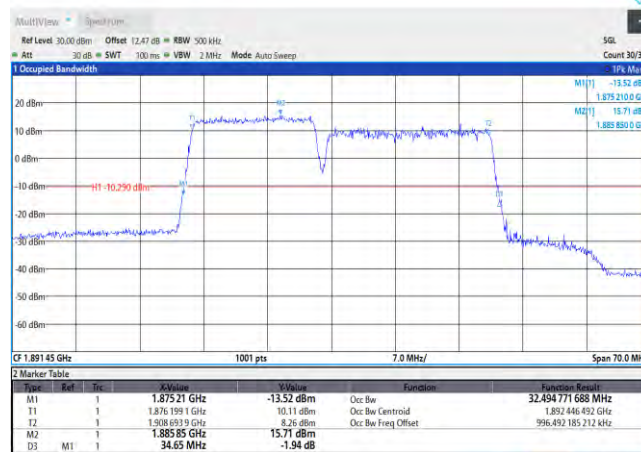
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2-2-15MHz-20MHz-256QAM-256QAM-18803-18974-75RB#0-100RB#0



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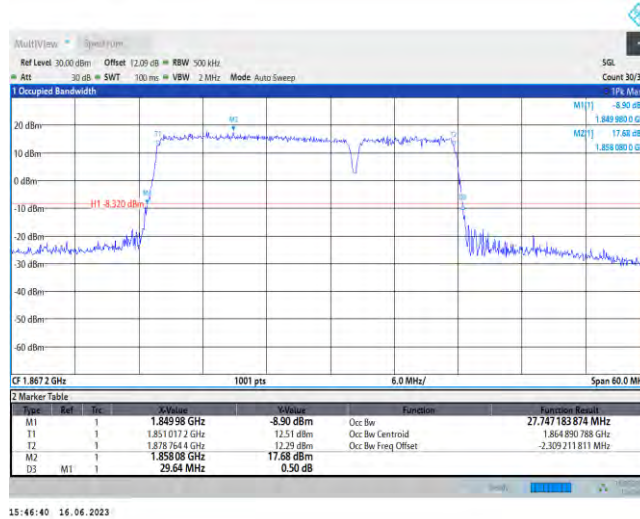


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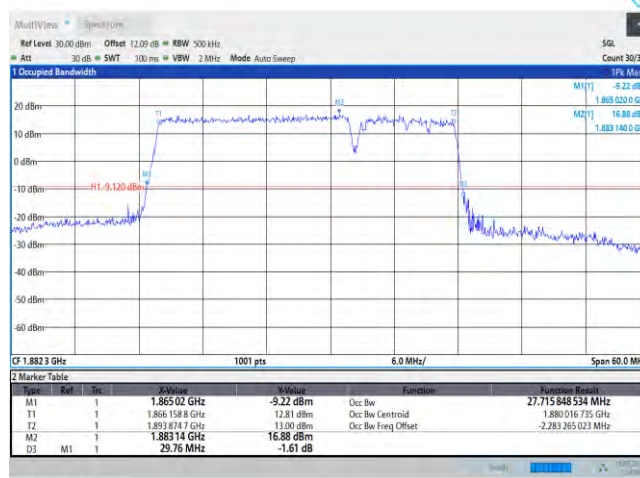
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2-2-20MHz-10MHz-QPSK-QPSK-18700-18844-100RB#0-50RB#0



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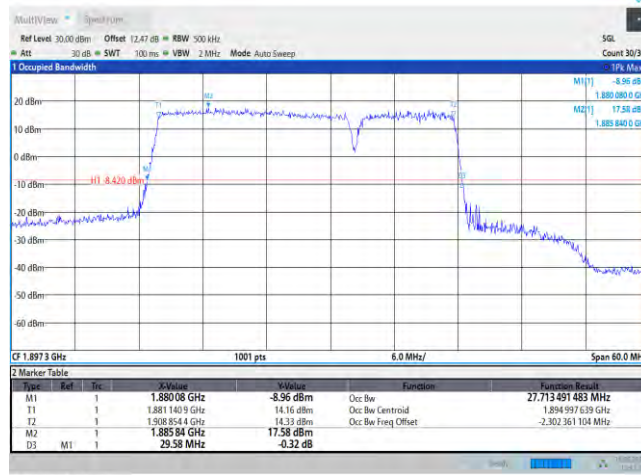
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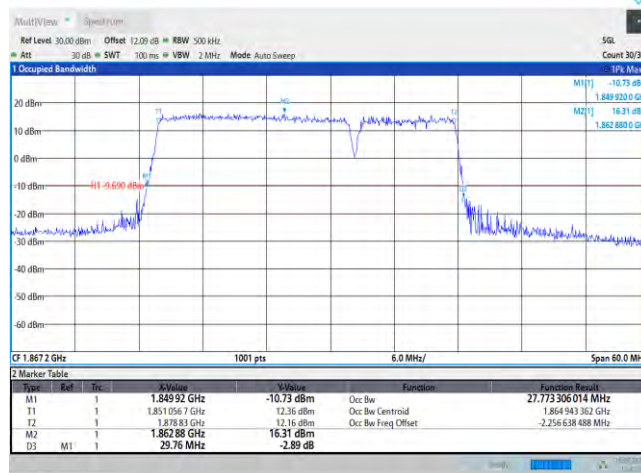
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2-2-20MHz-10MHz-QPSK-QPSK-19001-19145-100RB#0-50RB#0



15:51:15 16.06.2023

2-2-20MHz-10MHz-16QAM-16QAM-18700-18844-100RB#0-50RB#0



15:47:11 16.06.2023



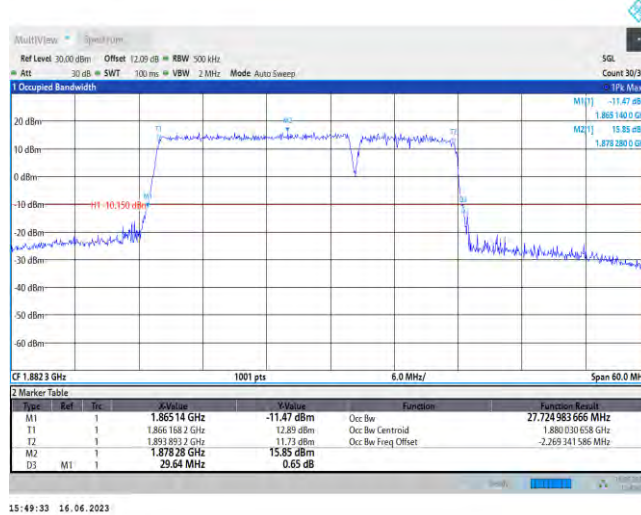
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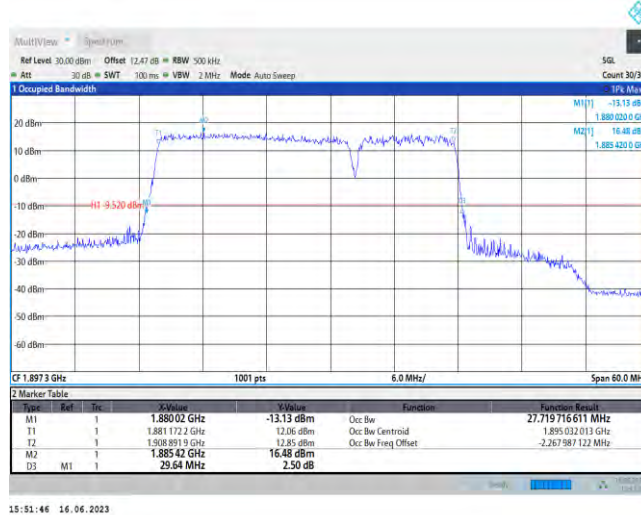
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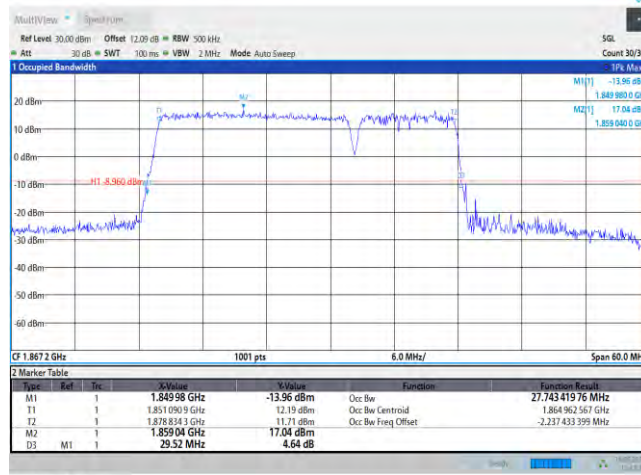
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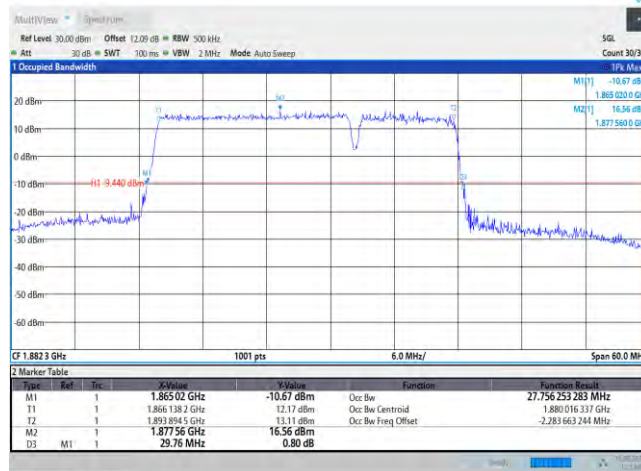
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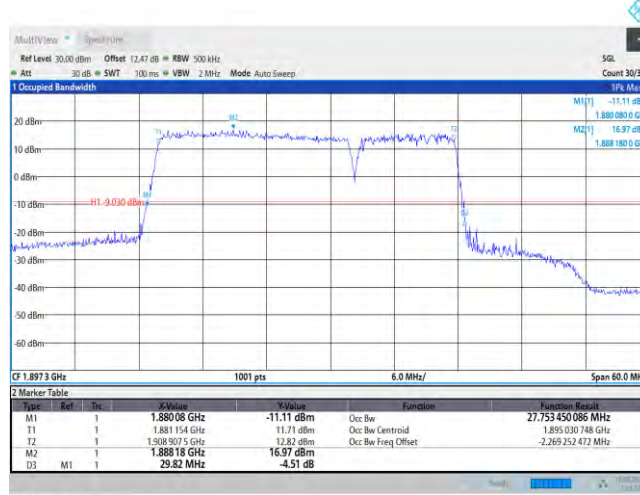
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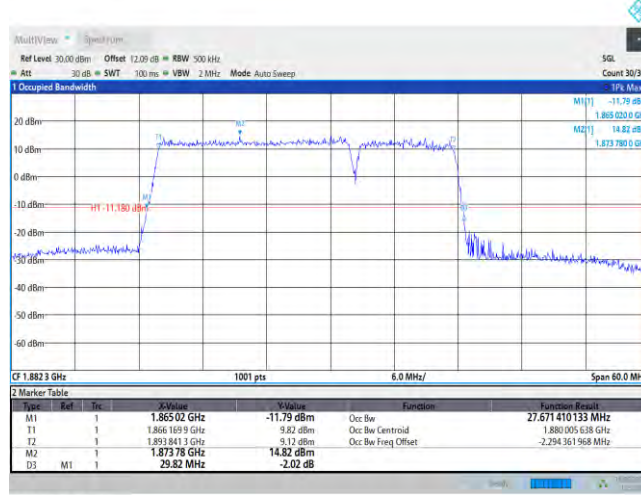
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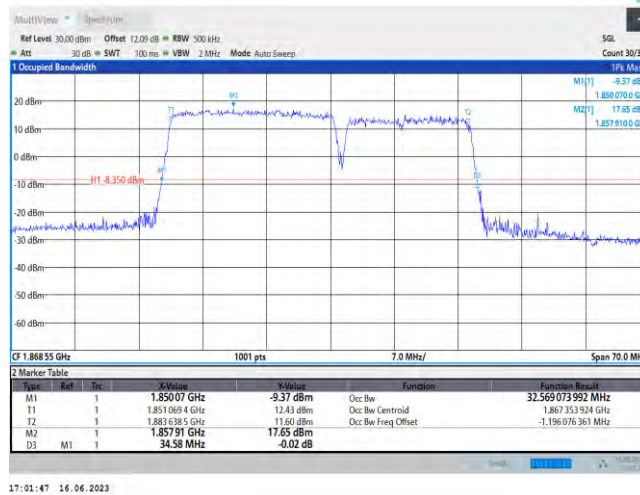


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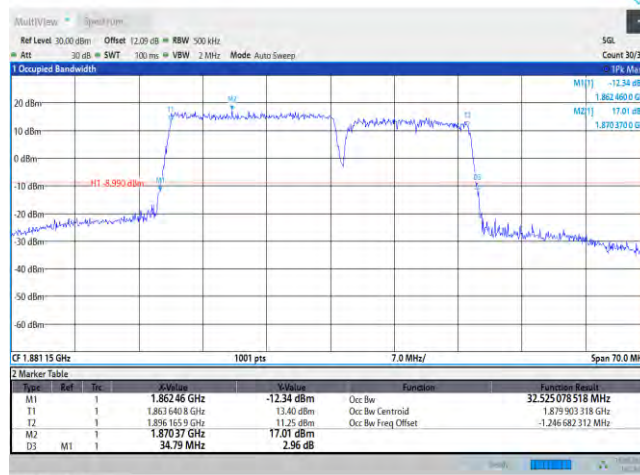
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2-2-20MHz-15MHz-QPSK-QPSK-18826-18997-100RB#0-75RB#0



16:24:52 16.06.2023



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16:27:05 16.06.2023

2-2-20MHz-15MHz-16QAM-16QAM-18700-18871-100RB#0-75RB#0



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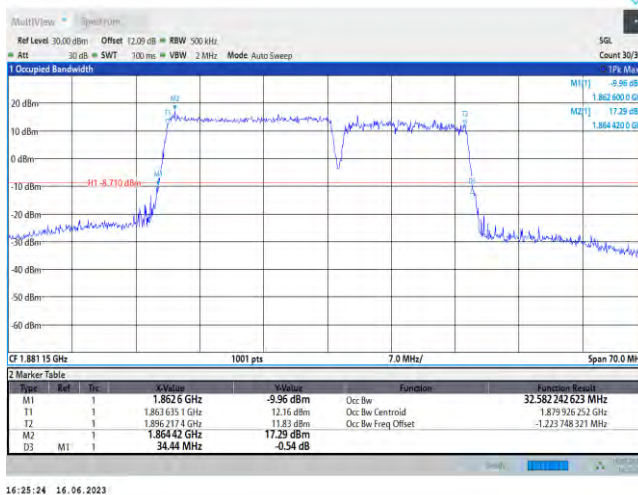


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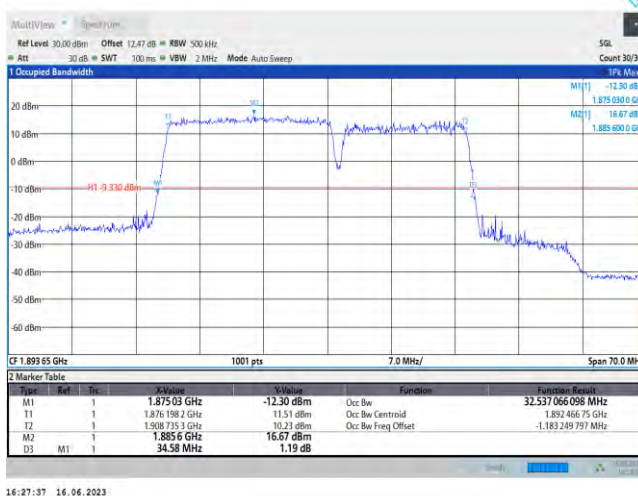
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16:25:24 16.06.2023

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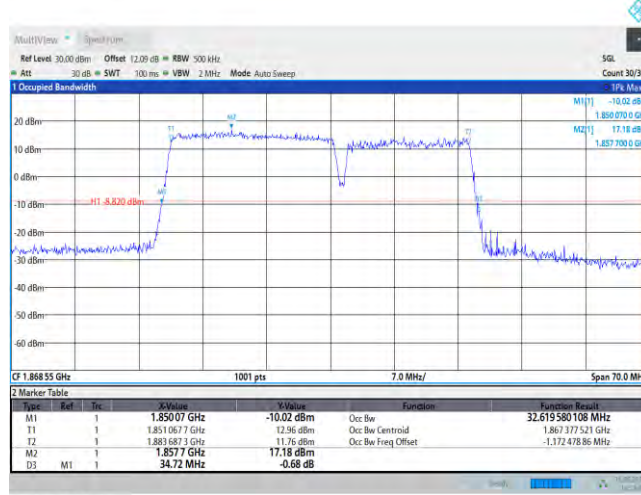
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2-2-20MHz-15MHz-64QAM-64QAM-18700-18871-100RB#0-75RB#0



2-2-20MHz-15MHz-64QAM-64QAM-18826-18997-100RB#0-75RB#0

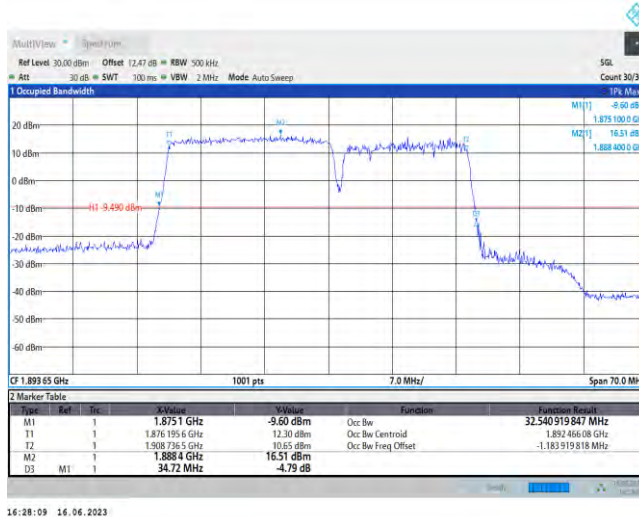


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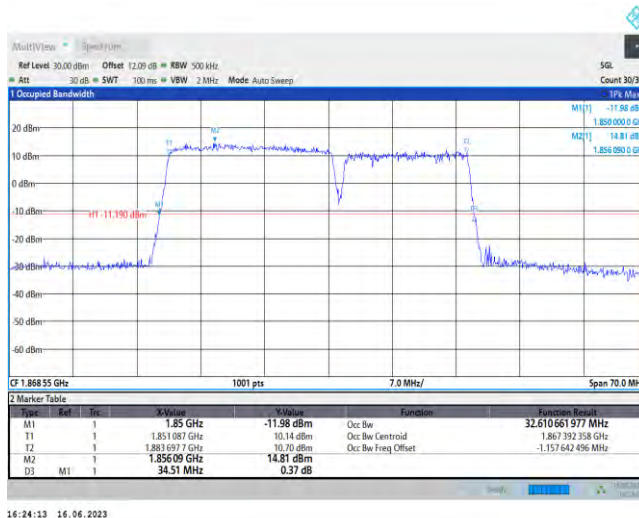
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16:28:09 16.06.2023

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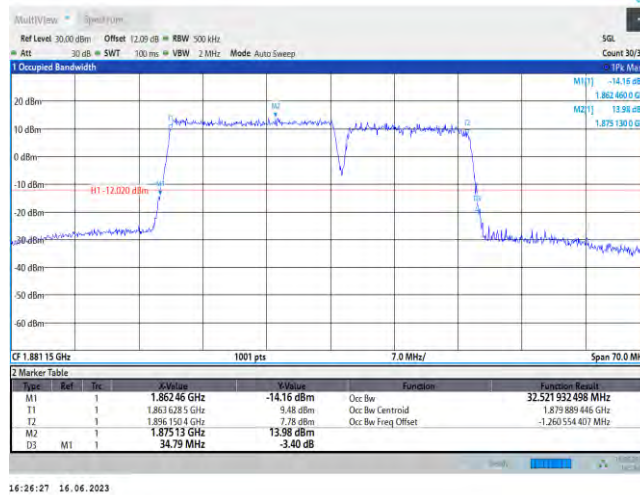
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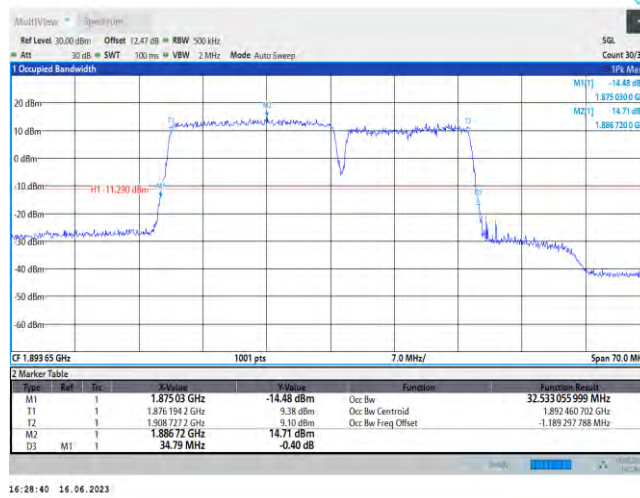
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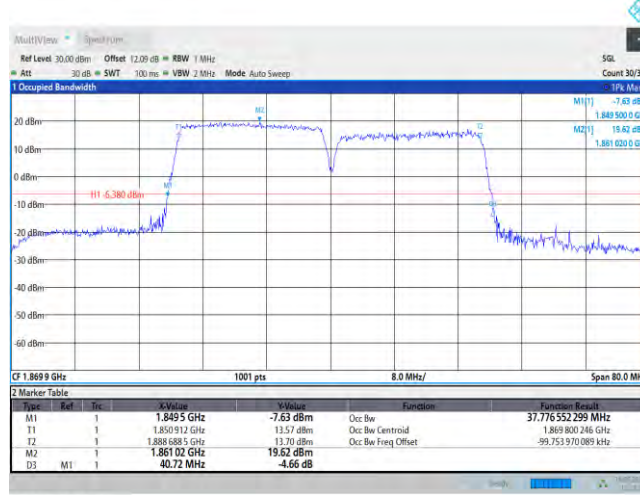


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16:37:34 16.06.2023

2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-100RB#0-100RB#0



16:39:45 16.06.2023



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