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Appendix B.3

LTE Band 2



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT4

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|--------------|------------|-------------|---------|
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#0 | 23.43 | 22.43 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#2 | 23.44 | 22.44 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#5 | 23.42 | 22.42 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | 22.35 | 21.35 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#0 | 23.24 | 22.24 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#2 | 23.23 | 22.23 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#5 | 23.24 | 22.24 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 6RB#0 | 22.13 | 21.13 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#0 | 23.18 | 22.18 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#2 | 23.15 | 22.15 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#5 | 22.91 | 21.91 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | 22.13 | 21.13 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#0 | 22.53 | 21.53 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#2 | 22.52 | 21.52 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#5 | 22.58 | 21.58 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | 21.45 | 20.45 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#0 | 22.39 | 21.39 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#2 | 22.35 | 21.35 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#5 | 22.3 | 21.30 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0 | 21.25 | 20.25 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#0 | 22.34 | 21.34 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#2 | 22.39 | 21.39 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#5 | 22.31 | 21.31 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | 21.25 | 20.25 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 18607 | 1RB#0 | 21.53 | 20.53 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 18607 | 1RB#2 | 21.54 | 20.54 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 18607 | 1RB#5 | 21.49 | 20.49 | 33.00 | PASS |



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SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com



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|-------|--------|-------|-------|--------|-------|-------|-------|------|
| Band2 | 1.4MHz | 64QAM | 18607 | 6RB#0 | 20.34 | 19.34 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 18900 | 1RB#0 | 21.36 | 20.36 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 18900 | 1RB#2 | 21.33 | 20.33 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 18900 | 1RB#5 | 21.3 | 20.30 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 18900 | 6RB#0 | 20.12 | 19.12 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 19193 | 1RB#0 | 21.35 | 20.35 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 19193 | 1RB#2 | 21.27 | 20.27 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 19193 | 1RB#5 | 21.3 | 20.30 | 33.00 | PASS |
| Band2 | 1.4MHz | 64QAM | 19193 | 6RB#0 | 20.14 | 19.14 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#0 | 23.4 | 22.40 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#8 | 23.45 | 22.45 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#14 | 23.47 | 22.47 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | 22.41 | 21.41 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#0 | 23.21 | 22.21 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#8 | 23.31 | 22.31 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#14 | 23.24 | 22.24 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0 | 22.13 | 21.13 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#0 | 23.17 | 22.17 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#8 | 23.21 | 22.21 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#14 | 22.85 | 21.85 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | 22.15 | 21.15 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#0 | 22.54 | 21.54 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#8 | 22.67 | 21.67 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#14 | 22.59 | 21.59 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | 21.47 | 20.47 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#0 | 22.29 | 21.29 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#8 | 22.42 | 21.42 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#14 | 22.39 | 21.39 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0 | 21.21 | 20.21 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#0 | 22.24 | 21.24 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#8 | 22.25 | 21.25 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#14 | 22.34 | 21.34 | 33.00 | PASS |



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Wireless Laboratory

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com
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| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | 21.21 | 20.21 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 18615 | 1RB#0 | 21.56 | 20.56 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 18615 | 1RB#8 | 21.51 | 20.51 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 18615 | 1RB#14 | 21.58 | 20.58 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 18615 | 15RB#0 | 20.43 | 19.43 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 18900 | 1RB#0 | 21.32 | 20.32 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 18900 | 1RB#8 | 21.31 | 20.31 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 18900 | 1RB#14 | 21.4 | 20.40 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 18900 | 15RB#0 | 20.2 | 19.20 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 19185 | 1RB#0 | 21.27 | 20.27 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 19185 | 1RB#8 | 21.3 | 20.30 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 19185 | 1RB#14 | 21.28 | 20.28 | 33.00 | PASS |
| Band2 | 3MHz | 64QAM | 19185 | 15RB#0 | 20.2 | 19.20 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#0 | 23.49 | 22.49 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#12 | 23.57 | 22.57 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#24 | 23.47 | 22.47 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | 22.38 | 21.38 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#0 | 23.24 | 22.24 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#12 | 23.28 | 22.28 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#24 | 23.22 | 22.22 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0 | 22.14 | 21.14 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#0 | 23.25 | 22.25 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#12 | 23.26 | 22.26 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#24 | 22.75 | 21.75 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | 22.21 | 21.21 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#0 | 22.61 | 21.61 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#12 | 22.58 | 21.58 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#24 | 22.49 | 21.49 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | 21.47 | 20.47 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#0 | 22.43 | 21.43 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#12 | 22.46 | 21.46 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#24 | 22.39 | 21.39 | 33.00 | PASS |



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|-------|-------|-------|-------|--------|-------|-------|-------|------|
| Band2 | 5MHz | 16QAM | 18900 | 25RB#0 | 21.16 | 20.16 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#0 | 22.38 | 21.38 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#12 | 22.31 | 21.31 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#24 | 22.49 | 21.49 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | 21.23 | 20.23 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 18625 | 1RB#0 | 21.55 | 20.55 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 18625 | 1RB#12 | 21.54 | 20.54 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 18625 | 1RB#24 | 21.5 | 20.50 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 18625 | 25RB#0 | 20.4 | 19.40 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 18900 | 1RB#0 | 21.43 | 20.43 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 18900 | 1RB#12 | 21.39 | 20.39 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 18900 | 1RB#24 | 21.21 | 20.21 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 18900 | 25RB#0 | 20.16 | 19.16 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 19175 | 1RB#0 | 21.27 | 20.27 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 19175 | 1RB#12 | 21.25 | 20.25 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 19175 | 1RB#24 | 21.3 | 20.30 | 33.00 | PASS |
| Band2 | 5MHz | 64QAM | 19175 | 25RB#0 | 20.21 | 19.21 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#0 | 23.43 | 22.43 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#24 | 23.49 | 22.49 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#49 | 23.43 | 22.43 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | 22.43 | 21.43 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#0 | 23.23 | 22.23 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#24 | 23.31 | 22.31 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#49 | 23.18 | 22.18 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0 | 22.2 | 21.20 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#0 | 23.26 | 22.26 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#24 | 23.28 | 22.28 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#49 | 23.14 | 22.14 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | 22.24 | 21.24 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0 | 22.54 | 21.54 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#24 | 22.6 | 21.60 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#49 | 22.57 | 21.57 | 33.00 | PASS |



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1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

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| Band2 | 10MHz | 16QAM | 18650 | 50RB#0 | 21.39 | 20.39 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0 | 22.4 | 21.40 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#24 | 22.47 | 21.47 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#49 | 22.4 | 21.40 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0 | 21.17 | 20.17 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#0 | 22.34 | 21.34 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#24 | 22.26 | 21.26 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#49 | 22.37 | 21.37 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0 | 21.19 | 20.19 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 18650 | 1RB#0 | 21.49 | 20.49 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 18650 | 1RB#24 | 21.55 | 20.55 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 18650 | 1RB#49 | 21.51 | 20.51 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 18650 | 50RB#0 | 20.45 | 19.45 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 18900 | 1RB#0 | 21.39 | 20.39 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 18900 | 1RB#24 | 21.32 | 20.32 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 18900 | 1RB#49 | 21.21 | 20.21 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 18900 | 50RB#0 | 20.18 | 19.18 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 19150 | 1RB#0 | 21.35 | 20.35 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 19150 | 1RB#24 | 21.26 | 20.26 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 19150 | 1RB#49 | 21.31 | 20.31 | 33.00 | PASS |
| Band2 | 10MHz | 64QAM | 19150 | 50RB#0 | 20.17 | 19.17 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#0 | 23.4 | 22.40 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#38 | 23.48 | 22.48 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#74 | 23.37 | 22.37 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | 22.4 | 21.40 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#0 | 23.23 | 22.23 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#38 | 23.24 | 22.24 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#74 | 23.2 | 22.20 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 75RB#0 | 22.14 | 21.14 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#0 | 23.23 | 22.23 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#38 | 23.32 | 22.32 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#74 | 23.23 | 22.23 | 33.00 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | 22.17 | 21.17 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0 | 22.54 | 21.54 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#38 | 22.68 | 21.68 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#74 | 22.64 | 21.64 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0 | 21.38 | 20.38 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0 | 22.38 | 21.38 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#38 | 22.41 | 21.41 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#74 | 22.34 | 21.34 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0 | 21.2 | 20.20 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0 | 22.36 | 21.36 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#38 | 22.43 | 21.43 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#74 | 22.46 | 21.46 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0 | 21.22 | 20.22 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 18675 | 1RB#0 | 21.48 | 20.48 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 18675 | 1RB#38 | 21.49 | 20.49 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 18675 | 1RB#74 | 21.5 | 20.50 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 18675 | 75RB#0 | 20.33 | 19.33 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 18900 | 1RB#0 | 21.27 | 20.27 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 18900 | 1RB#38 | 21.33 | 20.33 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 18900 | 1RB#74 | 21.24 | 20.24 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 18900 | 75RB#0 | 20.19 | 19.19 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 19125 | 1RB#0 | 21.39 | 20.39 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 19125 | 1RB#38 | 21.38 | 20.38 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 19125 | 1RB#74 | 21.26 | 20.26 | 33.00 | PASS |
| Band2 | 15MHz | 64QAM | 19125 | 75RB#0 | 20.2 | 19.20 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#0 | 23.42 | 22.42 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#49 | 23.45 | 22.45 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#99 | 23.32 | 22.32 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 22.38 | 21.38 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#0 | 23.27 | 22.27 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#49 | 23.25 | 22.25 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#99 | 23.14 | 22.14 | 33.00 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 22.12 | 21.12 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#0 | 23.19 | 22.19 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#49 | 23.3 | 22.30 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#99 | 23.17 | 22.17 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 22.21 | 21.21 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0 | 22.53 | 21.53 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#49 | 22.62 | 21.62 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#99 | 22.54 | 21.54 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 21.38 | 20.38 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0 | 22.46 | 21.46 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#49 | 22.34 | 21.34 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#99 | 22.29 | 21.29 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 21.16 | 20.16 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#0 | 22.29 | 21.29 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#49 | 22.49 | 21.49 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#99 | 22.39 | 21.39 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 21.2 | 20.20 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 18700 | 1RB#0 | 21.47 | 20.47 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 18700 | 1RB#49 | 21.57 | 20.57 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 18700 | 1RB#99 | 21.4 | 20.40 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 18700 | 100RB#0 | 20.34 | 19.34 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 18900 | 1RB#0 | 21.32 | 20.32 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 18900 | 1RB#49 | 21.43 | 20.43 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 18900 | 1RB#99 | 21.2 | 20.20 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 18900 | 100RB#0 | 20.1 | 19.10 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 19100 | 1RB#0 | 21.26 | 20.26 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 19100 | 1RB#49 | 21.3 | 20.30 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 19100 | 1RB#99 | 21.26 | 20.26 | 33.00 | PASS |
| Band2 | 20MHz | 64QAM | 19100 | 100RB#0 | 20.12 | 19.12 | 33.00 | PASS |



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Peak-to-Average Ratio(CCDF)

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 5.12 | 13 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 5.00 | 13 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 5.00 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 5.80 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 5.84 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 5.72 | 13 | PASS |
| Band2 | 20MHz | 64QAM | 18700 | 100RB#0 | 6.20 | 13 | PASS |
| Band2 | 20MHz | 64QAM | 18900 | 100RB#0 | 6.14 | 13 | PASS |
| Band2 | 20MHz | 64QAM | 19100 | 100RB#0 | 6.08 | 13 | PASS |



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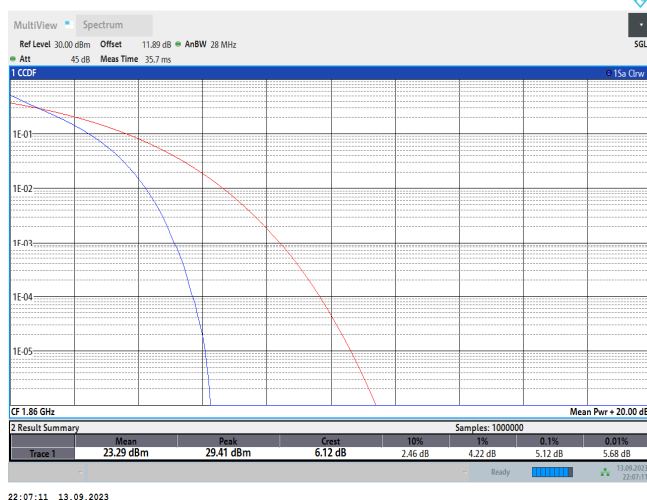
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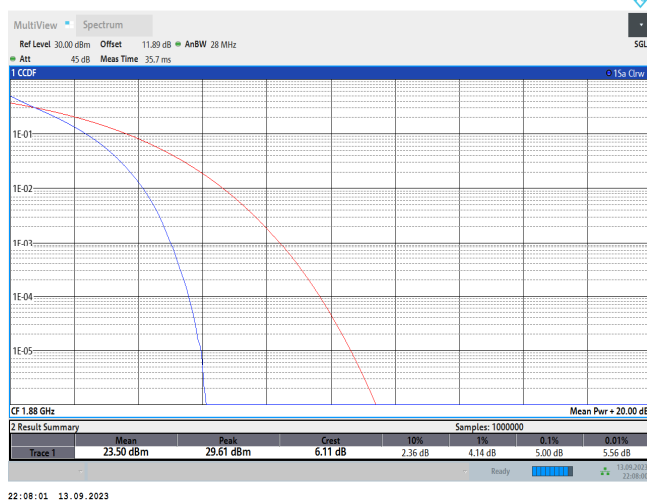
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Test Graphs

Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-18900-100RB#0



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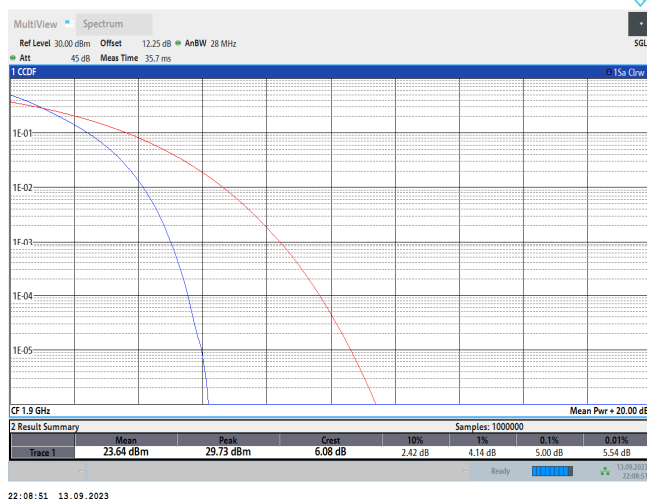
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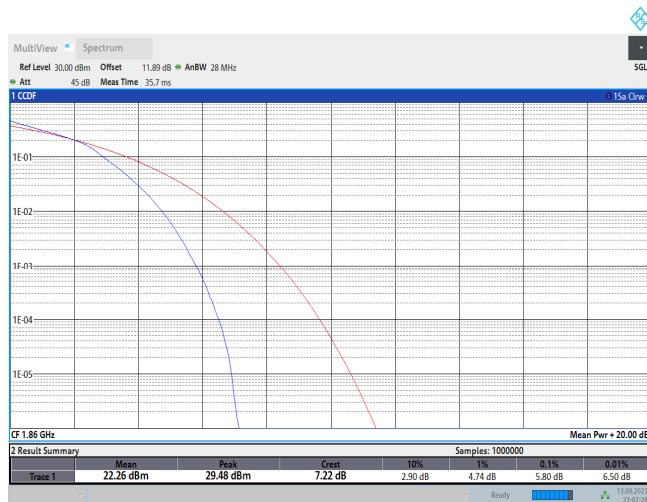
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Band2-20MHz-QPSK-19100-100RB#0



22:08:51 13.09.2023

Band2-20MHz-16QAM-18700-100RB#0



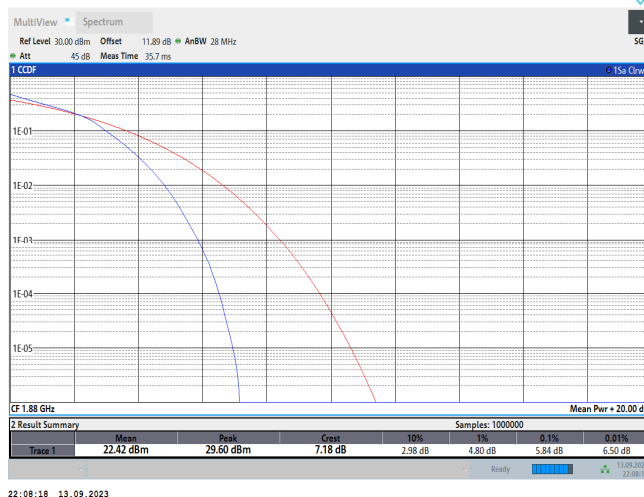
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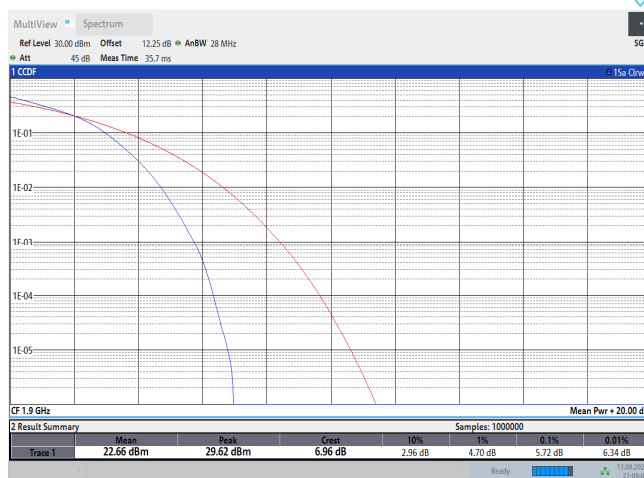
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Band2-20MHz-16QAM-18900-100RB#0



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Band2-20MHz-16QAM-19100-100RB#0



22:09:07 13.09.2023



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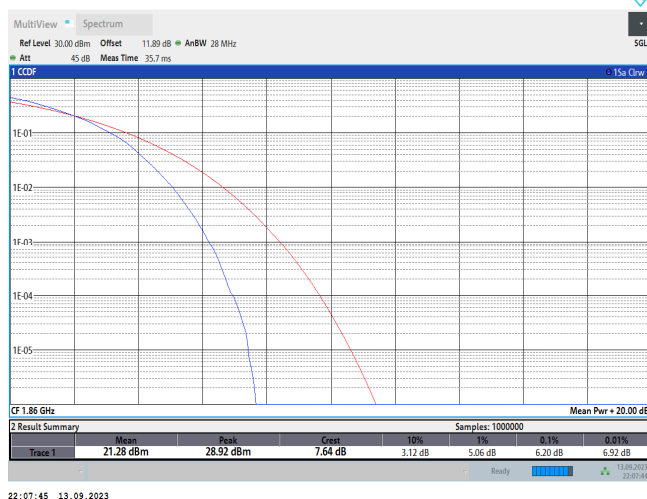
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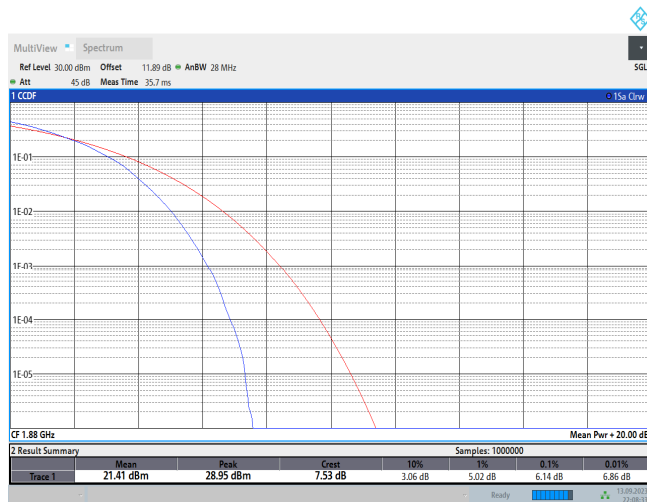
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Band2-20MHz-64QAM-18700-100RB#0



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Band2-20MHz-64QAM-18900-100RB#0



22:08:34 13.09.2023



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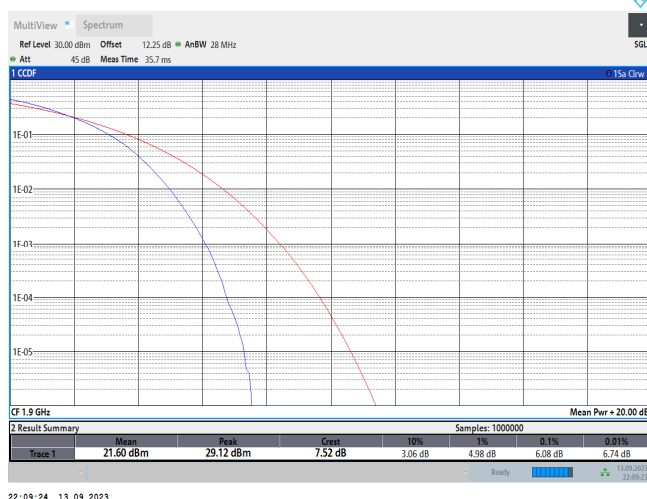
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Band2-20MHz-64QAM-19100-100RB#0



22:09:24 13.09.2023



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26dB Bandwidth and Occupied Bandwidth

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | 1.084 | 1.25 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 6RB#0 | 1.085 | 1.28 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | 1.085 | 1.28 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | 1.102 | 1.32 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0 | 1.098 | 1.34 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | 1.097 | 1.31 | PASS |
| Band2 | 1.4MHz | 64QAM | 18607 | 6RB#0 | 1.097 | 1.32 | PASS |
| Band2 | 1.4MHz | 64QAM | 18900 | 6RB#0 | 1.096 | 1.31 | PASS |
| Band2 | 1.4MHz | 64QAM | 19193 | 6RB#0 | 1.097 | 1.31 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | 2.692 | 2.92 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0 | 2.689 | 2.92 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | 2.688 | 2.93 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | 2.683 | 2.94 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0 | 2.684 | 2.92 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | 2.682 | 2.93 | PASS |
| Band2 | 3MHz | 64QAM | 18615 | 15RB#0 | 2.683 | 2.92 | PASS |
| Band2 | 3MHz | 64QAM | 18900 | 15RB#0 | 2.682 | 2.92 | PASS |
| Band2 | 3MHz | 64QAM | 19185 | 15RB#0 | 2.684 | 2.92 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | 4.472 | 4.86 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0 | 4.471 | 4.84 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | 4.467 | 4.86 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | 4.47 | 4.92 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 25RB#0 | 4.465 | 4.90 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | 4.468 | 4.91 | PASS |
| Band2 | 5MHz | 64QAM | 18625 | 25RB#0 | 4.478 | 4.88 | PASS |
| Band2 | 5MHz | 64QAM | 18900 | 25RB#0 | 4.476 | 4.85 | PASS |
| Band2 | 5MHz | 64QAM | 19175 | 25RB#0 | 4.472 | 4.88 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | 8.934 | 9.56 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0 | 8.945 | 9.60 | PASS |



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| | | | | | | | |
|-------|-------|-------|-------|---------|--------|-------|------|
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | 8.917 | 9.64 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0 | 8.924 | 9.60 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0 | 8.916 | 9.58 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0 | 8.915 | 9.58 | PASS |
| Band2 | 10MHz | 64QAM | 18650 | 50RB#0 | 8.931 | 9.68 | PASS |
| Band2 | 10MHz | 64QAM | 18900 | 50RB#0 | 8.919 | 9.70 | PASS |
| Band2 | 10MHz | 64QAM | 19150 | 50RB#0 | 8.934 | 9.60 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | 13.479 | 14.70 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 75RB#0 | 13.482 | 14.73 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | 13.453 | 14.70 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0 | 13.451 | 14.73 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0 | 13.447 | 14.76 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0 | 13.442 | 14.73 | PASS |
| Band2 | 15MHz | 64QAM | 18675 | 75RB#0 | 13.439 | 14.76 | PASS |
| Band2 | 15MHz | 64QAM | 18900 | 75RB#0 | 13.432 | 14.79 | PASS |
| Band2 | 15MHz | 64QAM | 19125 | 75RB#0 | 13.412 | 14.76 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 17.925 | 19.40 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 17.916 | 19.48 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 17.881 | 19.44 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 17.904 | 19.32 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 17.882 | 19.24 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 17.863 | 19.36 | PASS |
| Band2 | 20MHz | 64QAM | 18700 | 100RB#0 | 17.877 | 19.40 | PASS |
| Band2 | 20MHz | 64QAM | 18900 | 100RB#0 | 17.859 | 19.40 | PASS |
| Band2 | 20MHz | 64QAM | 19100 | 100RB#0 | 17.856 | 19.28 | PASS |



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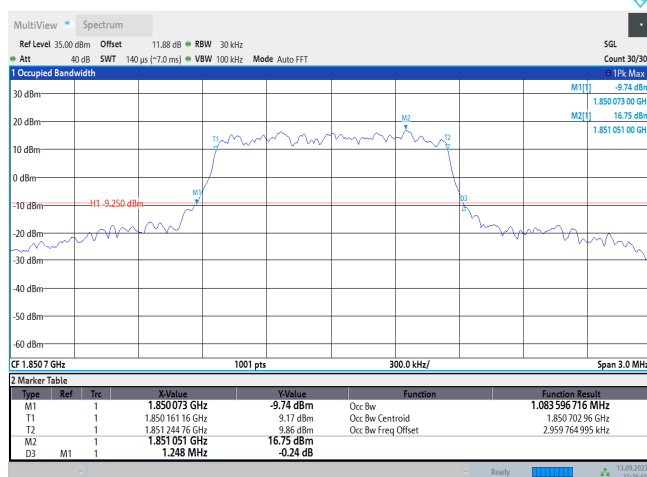
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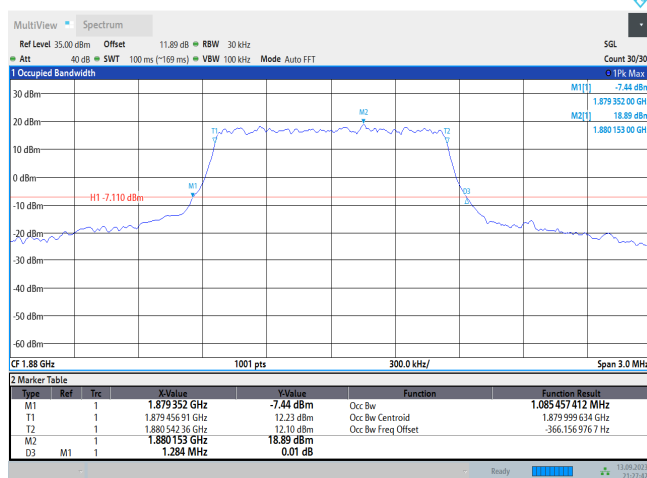
Test Graphs

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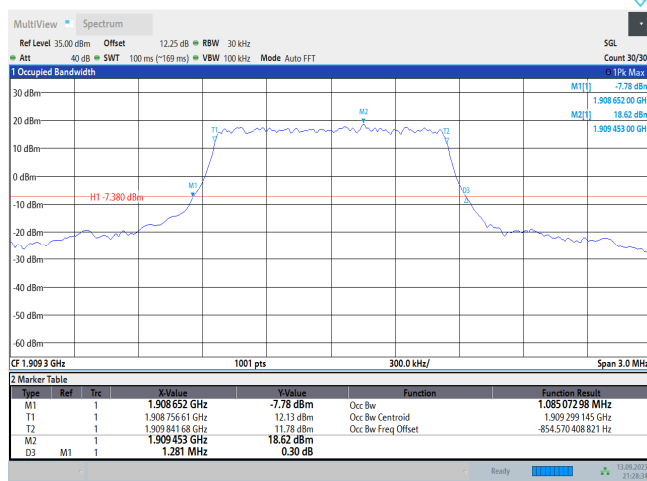
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Band2-1.4MHz-QPSK-19193-6RB#0



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Band2-1.4MHz-16QAM-18607-6RB#0



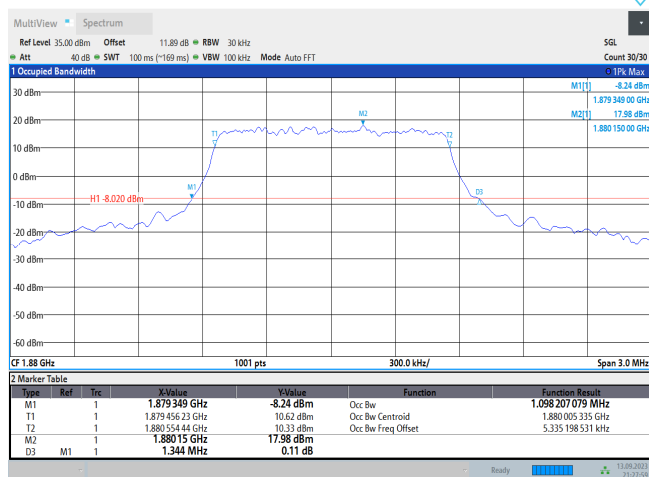
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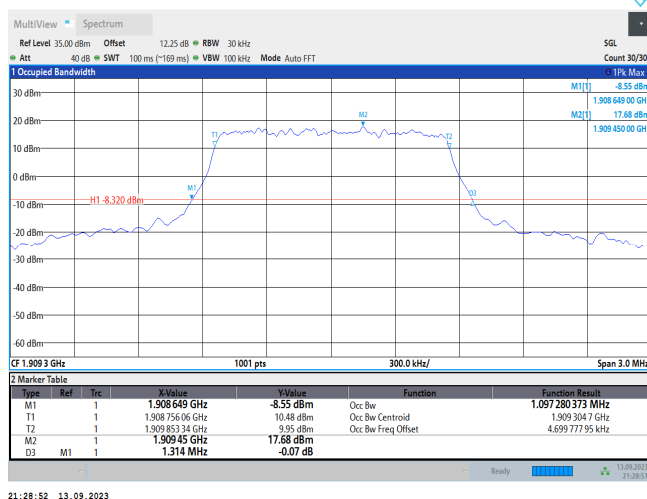
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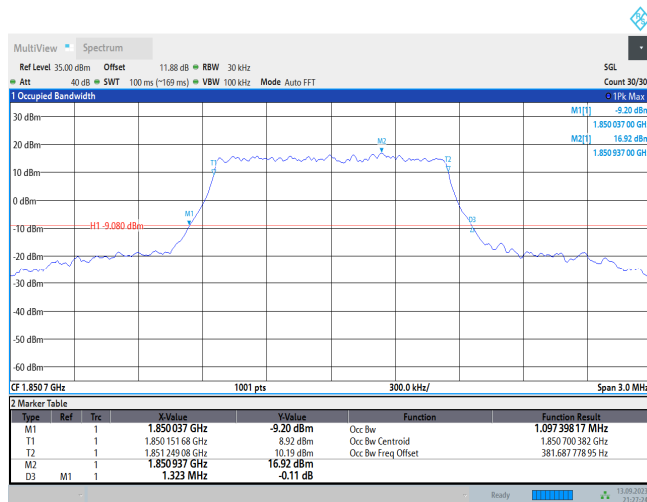
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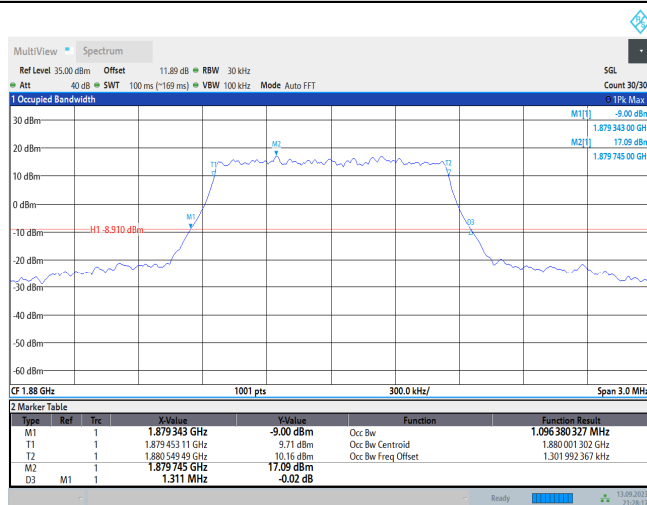
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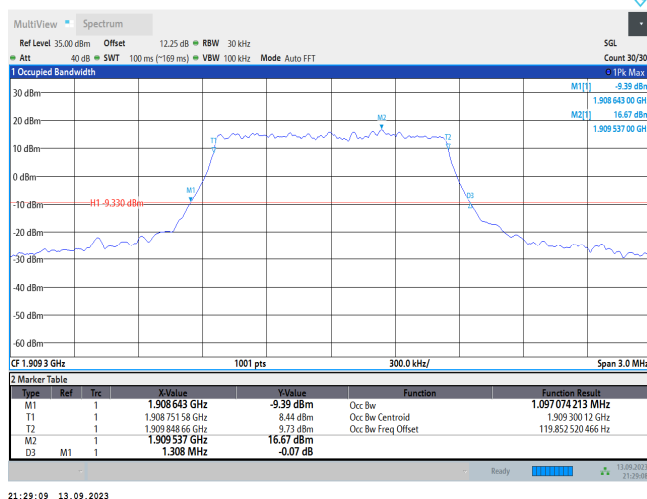
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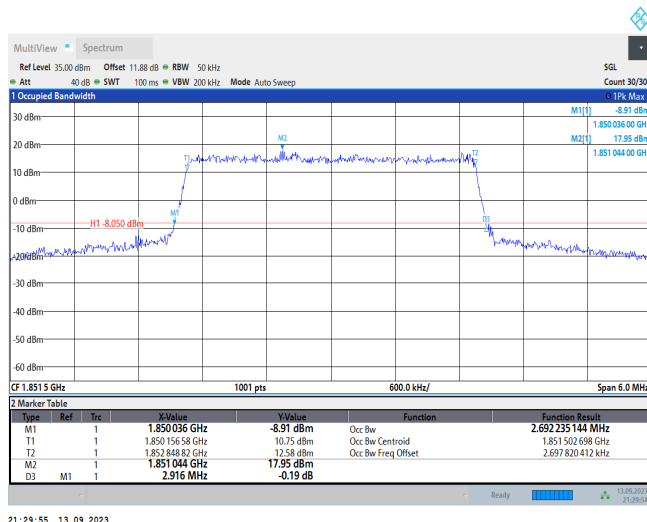
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Band2-1.4MHz-64QAM-19193-6RB#0



Band2-3MHz-QPSK-18615-15RB#0

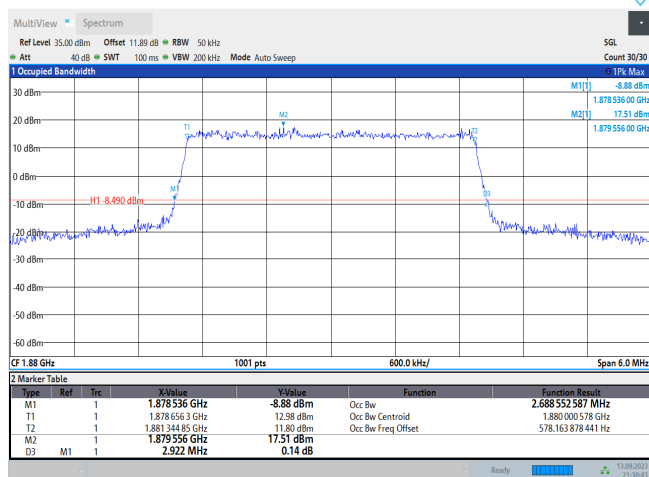


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Band2-3MHz-QPSK-18900-15RB#0



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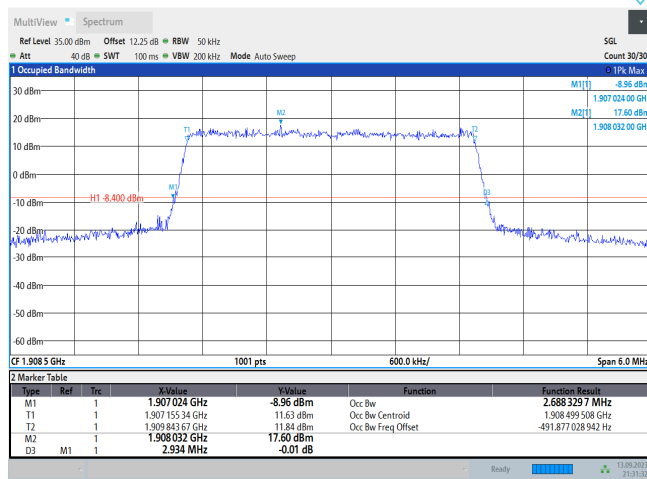
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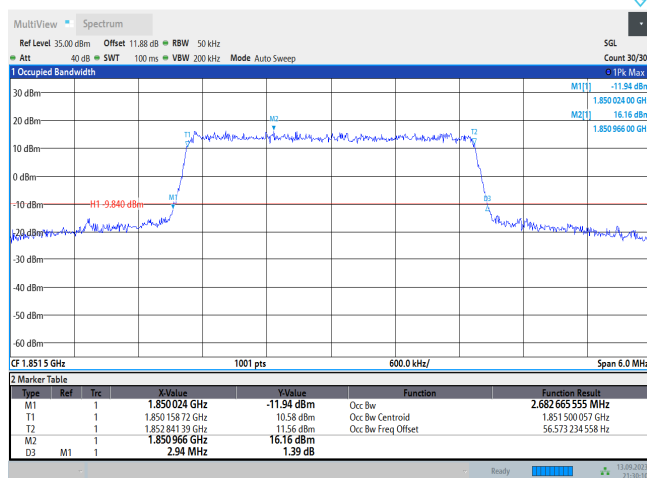
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Band2-3MHz-QPSK-19185-15RB#0



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Band2-3MHz-16QAM-18615-15RB#0



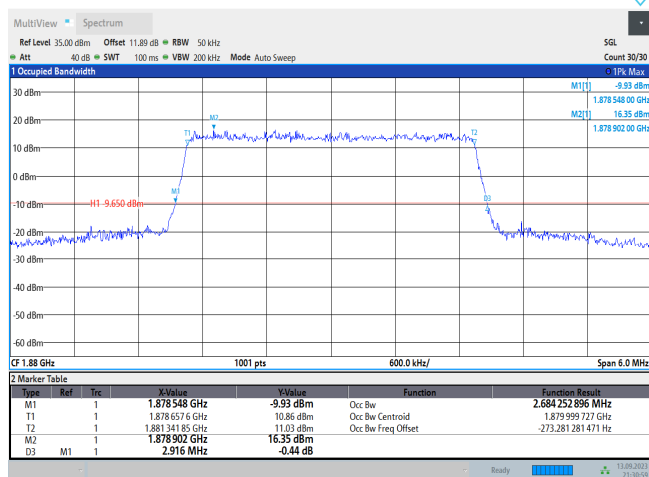
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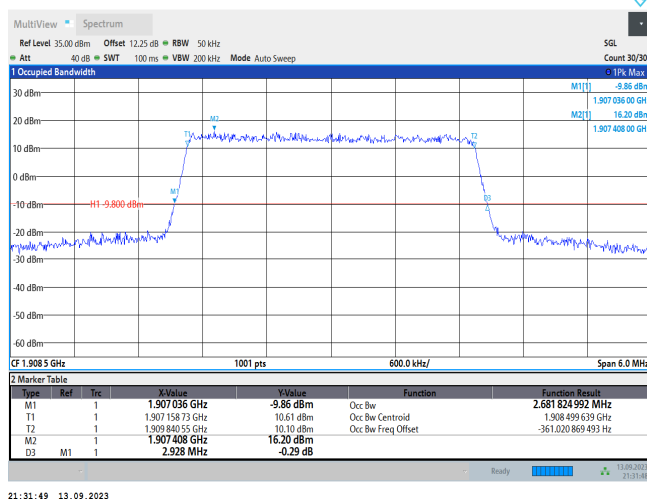
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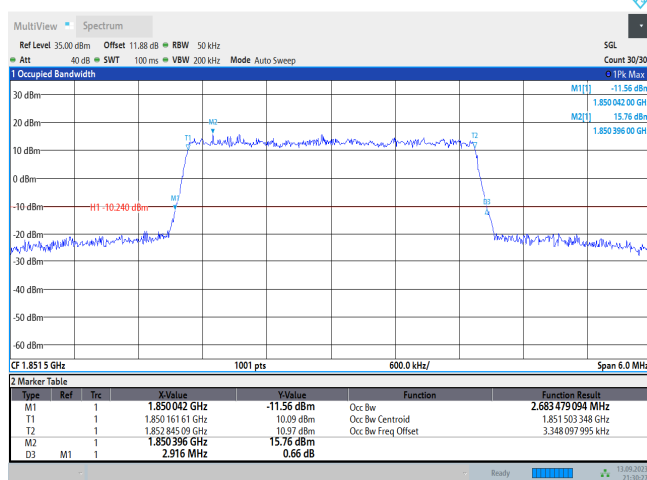
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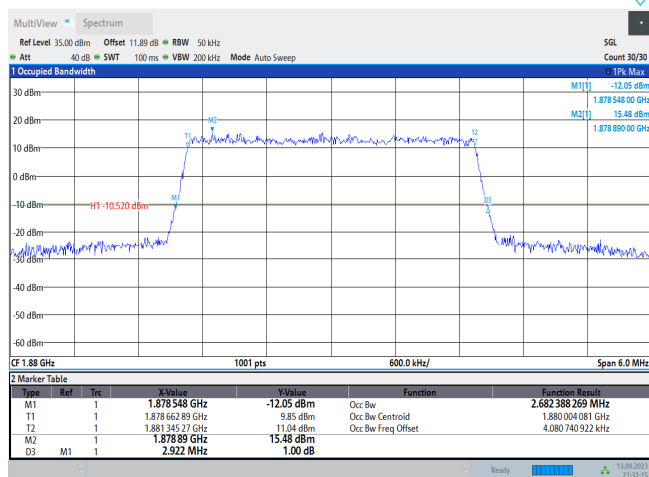


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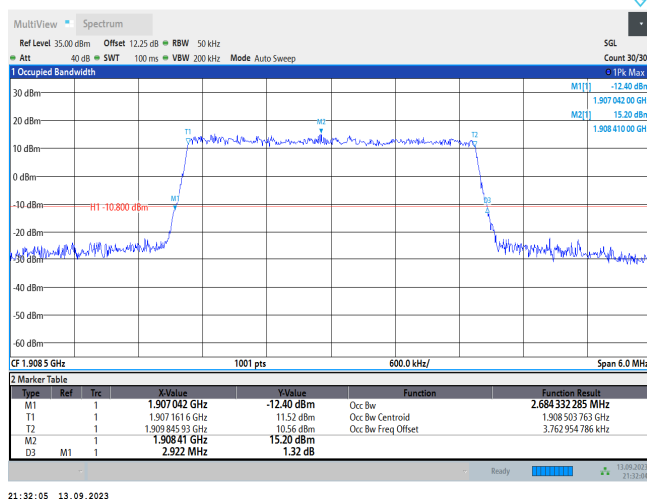
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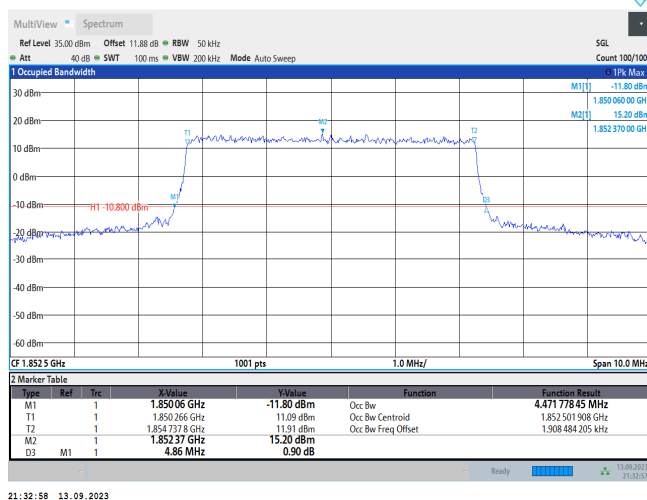
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Band2-5MHz-QPSK-18625-25RB#0

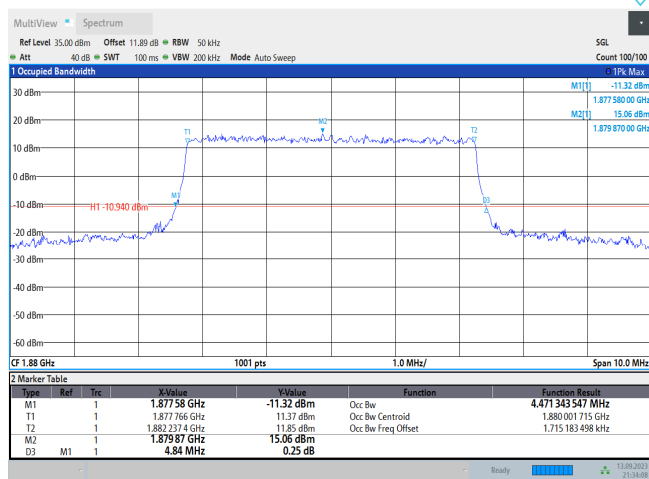


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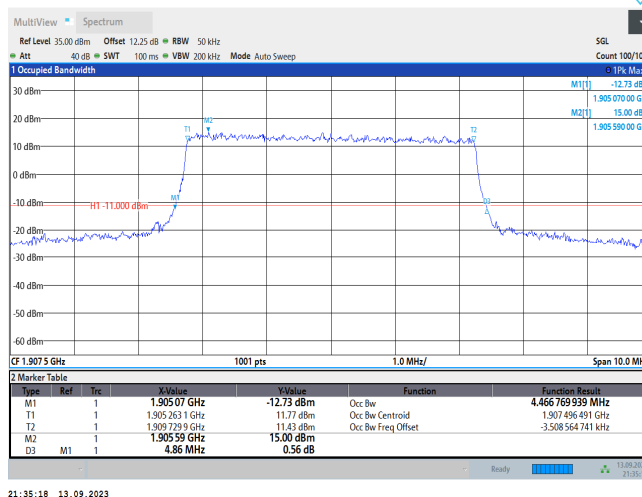


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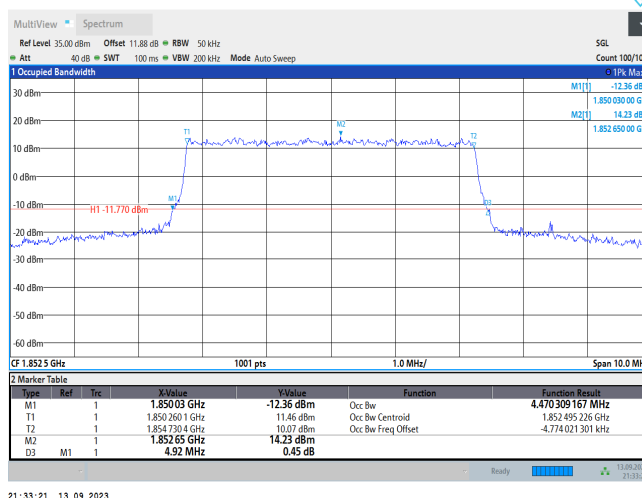
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Band2-5MHz-QPSK-19175-25RB#0



Band2-5MHz-16QAM-18625-25RB#0

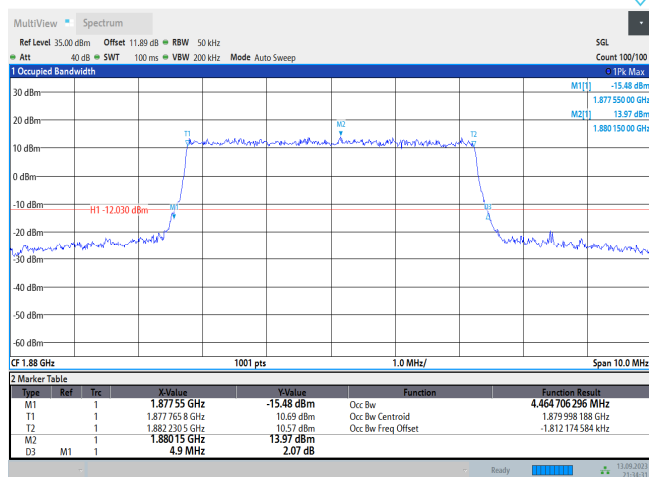


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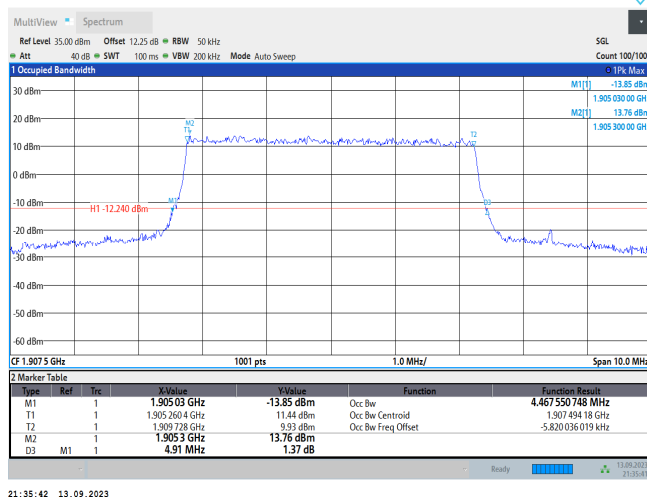


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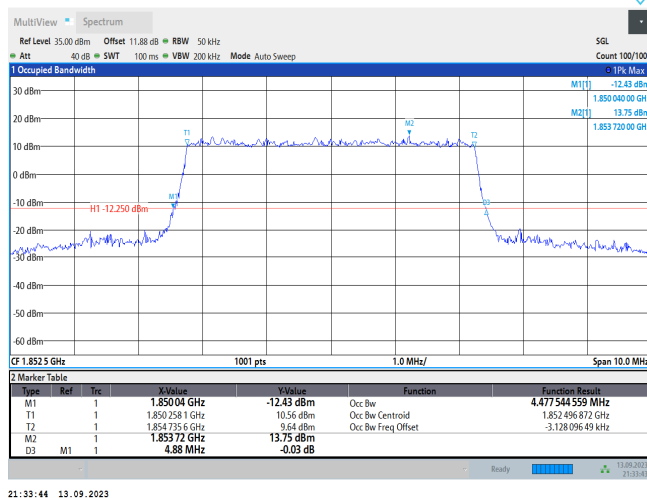
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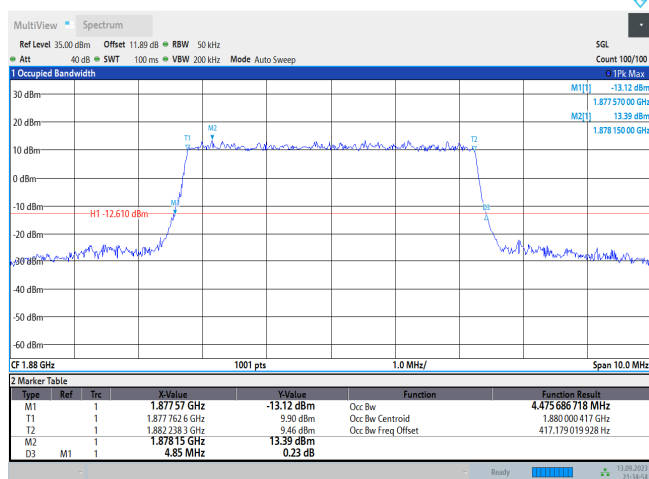


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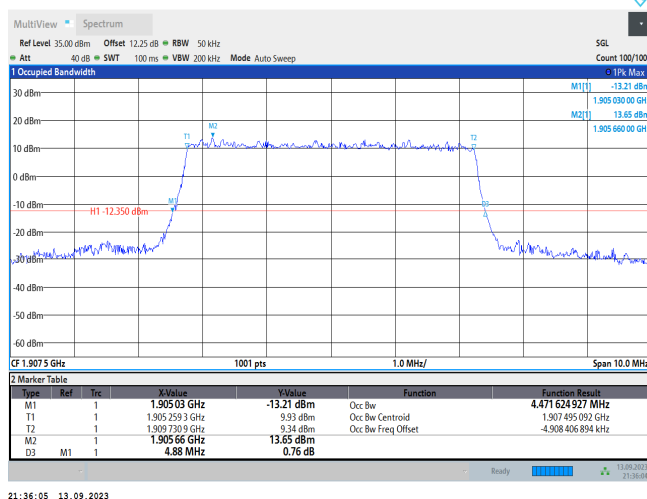


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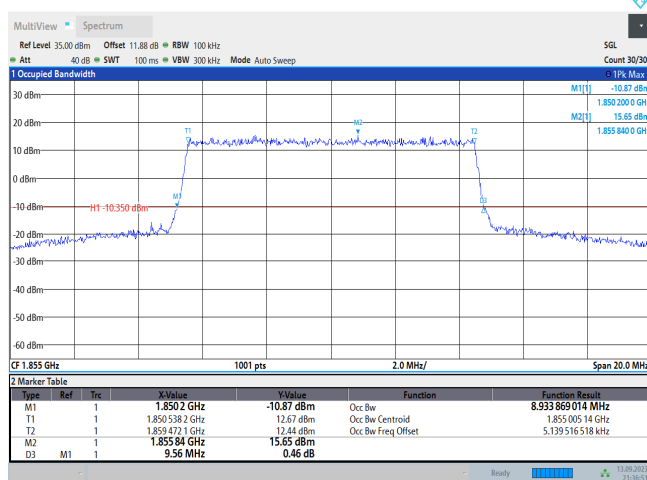
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Band2-10MHz-QPSK-18650-50RB#0



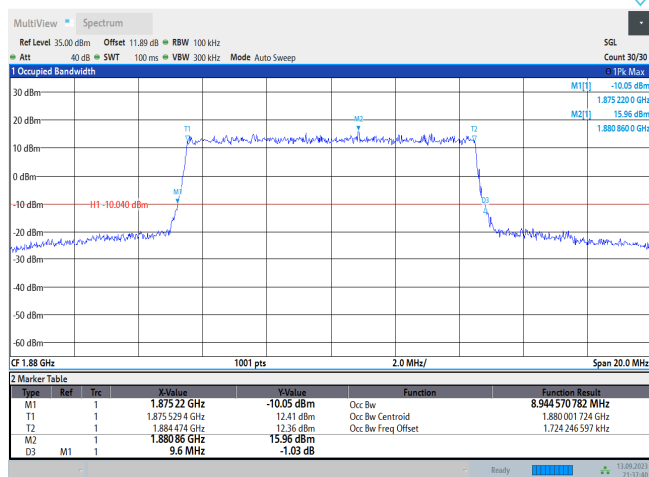
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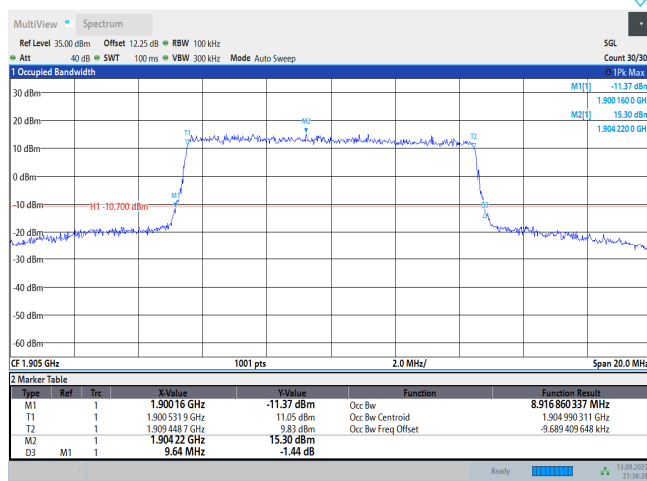


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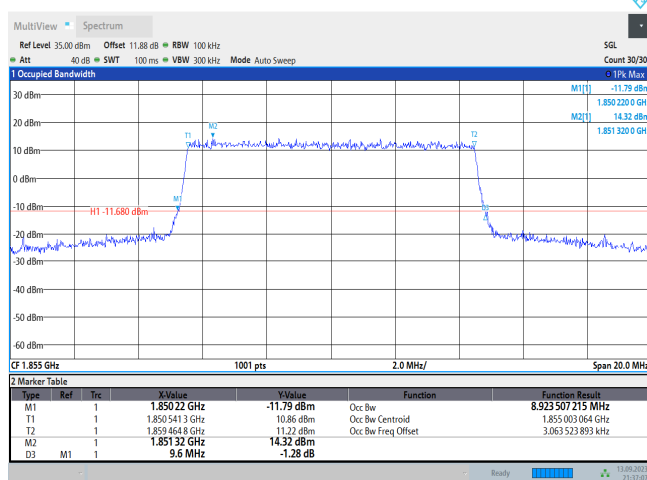
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Band2-10MHz-QPSK-19150-50RB#0



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Band2-10MHz-16QAM-18650-50RB#0



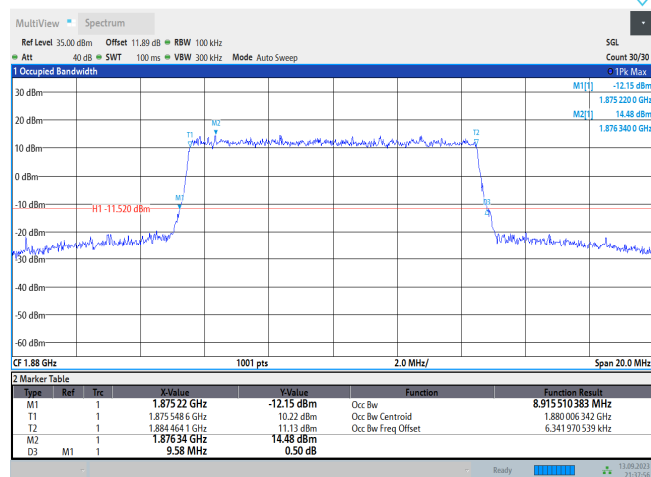
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Band2-10MHz-16QAM-18900-50RB#0



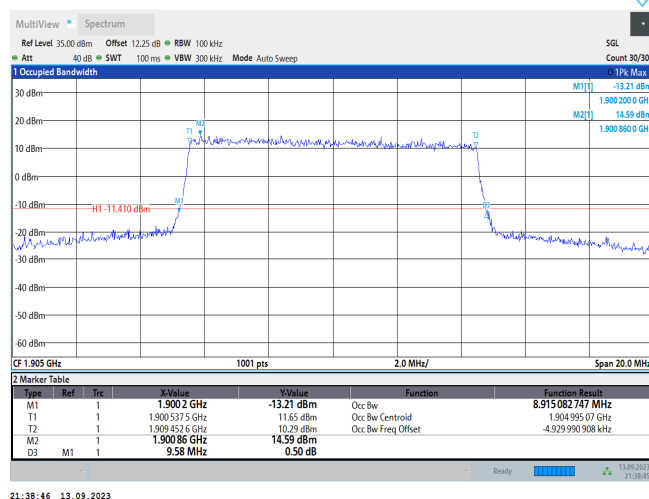
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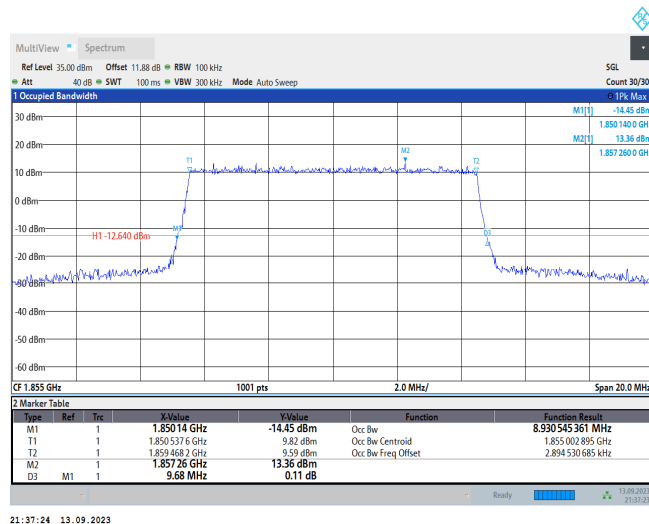
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Band2-10MHz-16QAM-19150-50RB#0



Band2-10MHz-64QAM-18650-50RB#0



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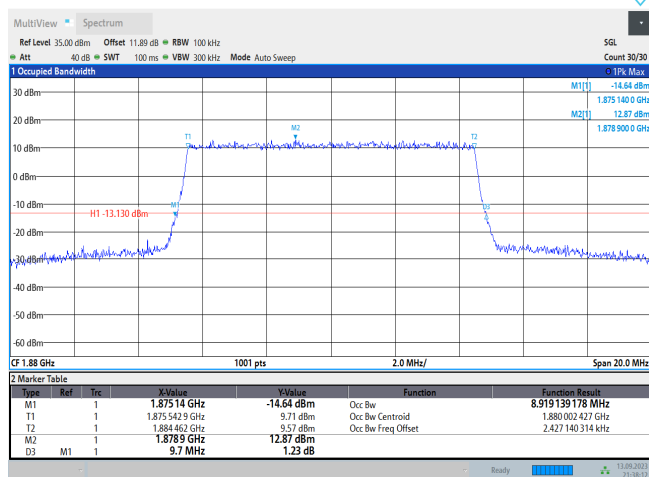
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Band2-10MHz-64QAM-18900-50RB#0



21:38:13 13.09.2023



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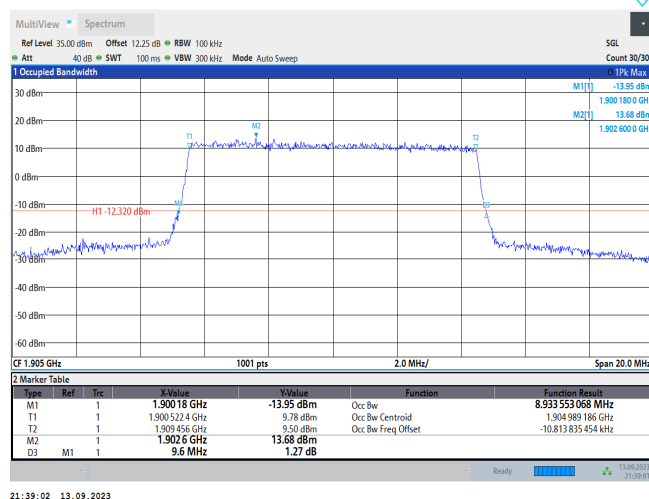
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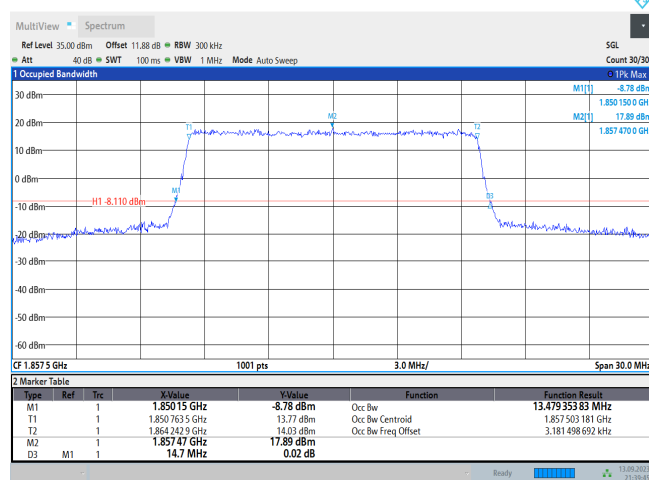
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Band2-10MHz-64QAM-19150-50RB#0



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Band2-15MHz-QPSK-18675-75RB#0



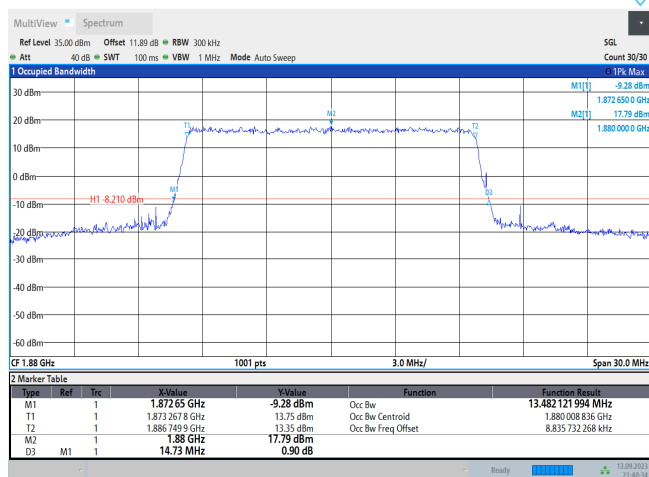
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Band2-15MHz-QPSK-18900-75RB#0



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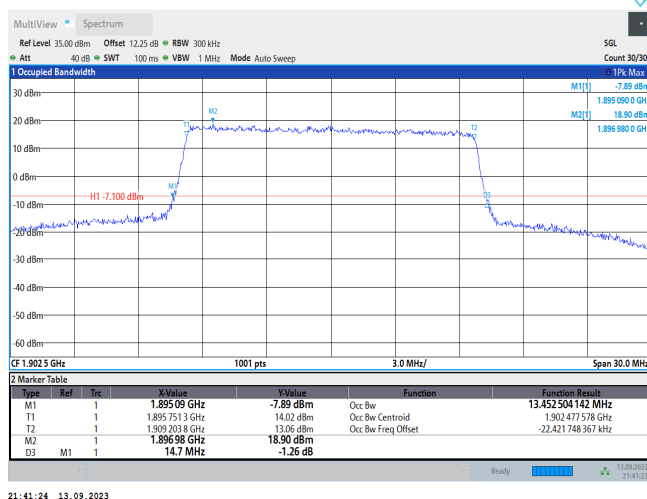
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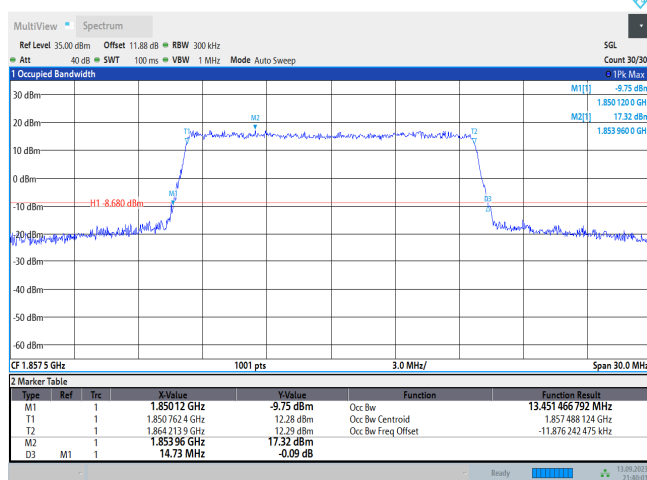
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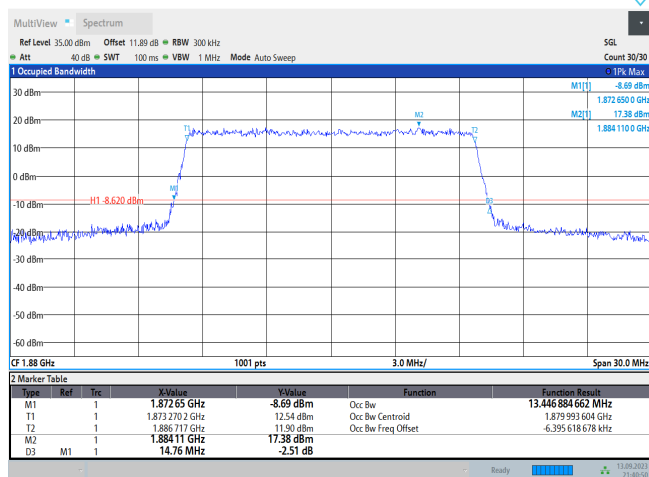
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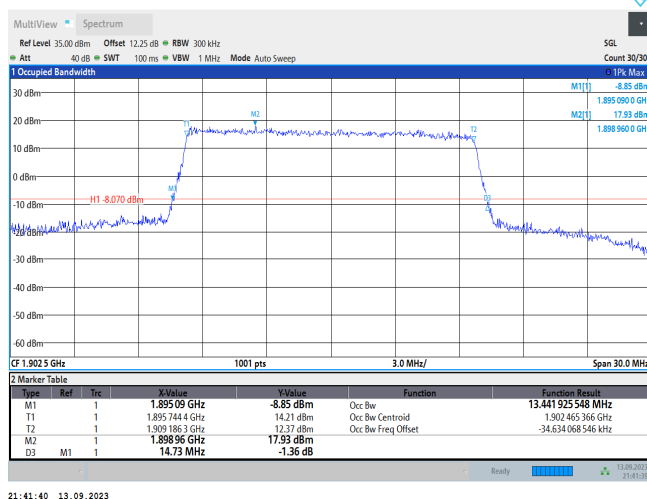
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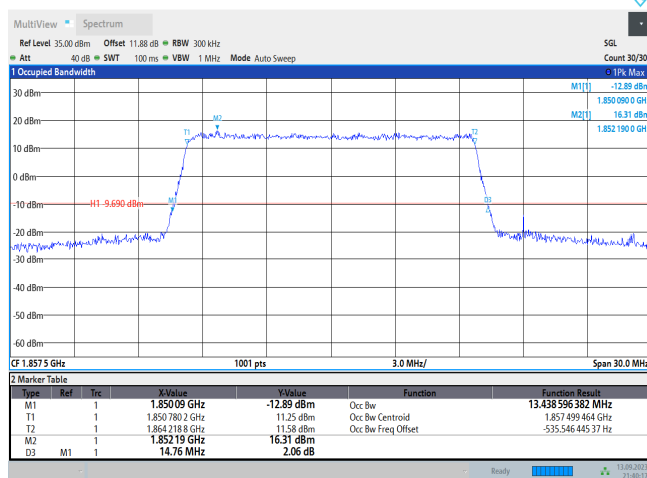
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Band2-15MHz-16QAM-19125-75RB#0



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Band2-15MHz-64QAM-18675-75RB#0



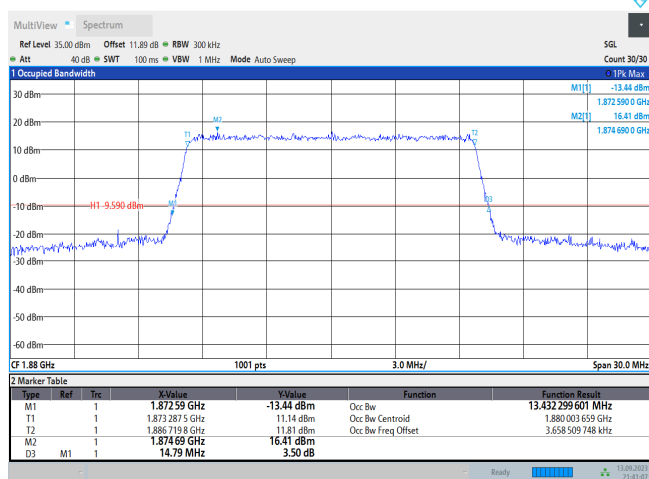
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Band2-15MHz-64QAM-18900-75RB#0

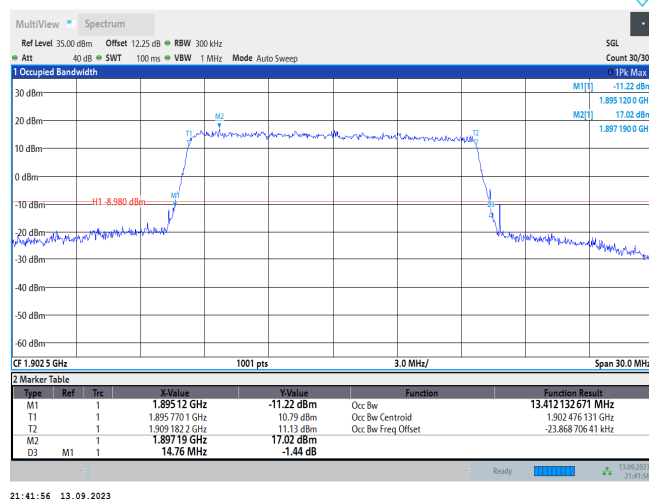


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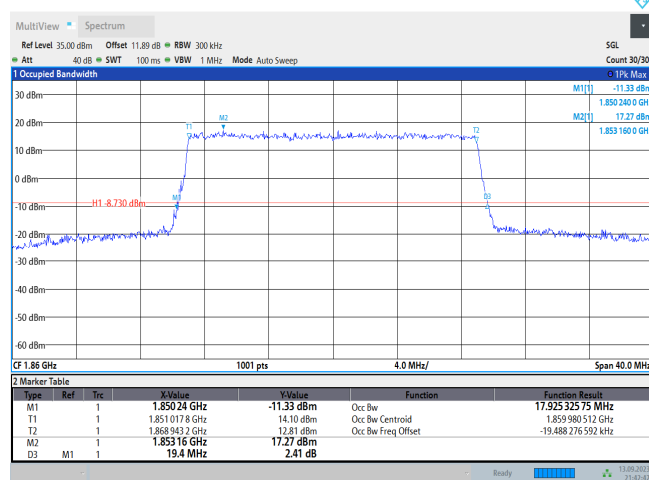
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Band2-15MHz-64QAM-19125-75RB#0



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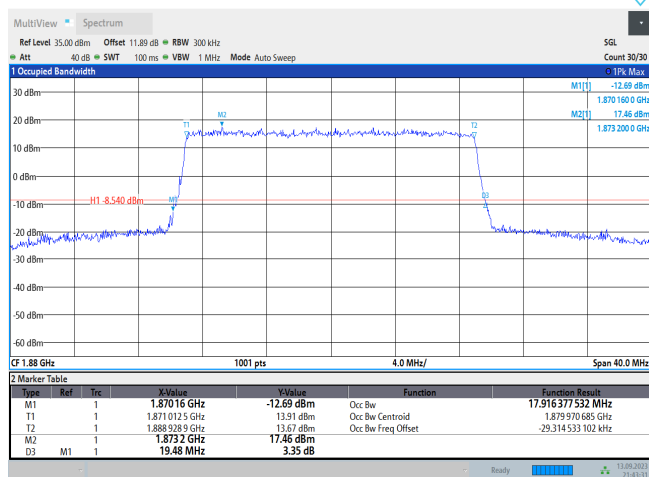
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Band2-20MHz-QPSK-18900-100RB#0

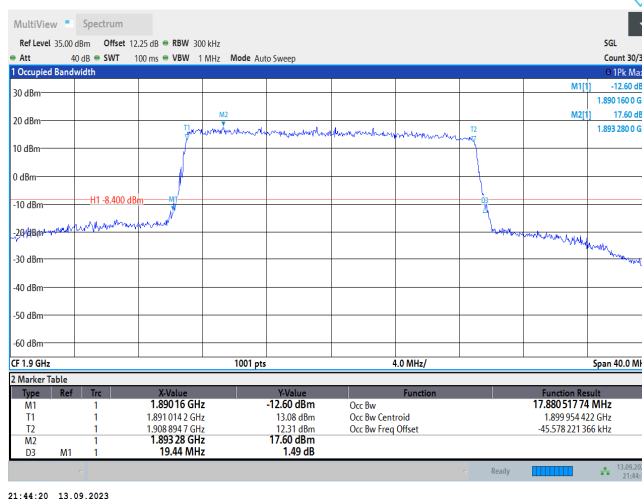


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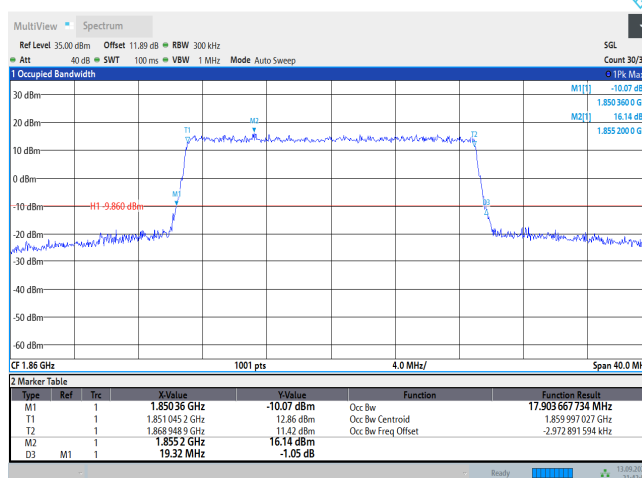
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Band2-20MHz-QPSK-19100-100RB#0



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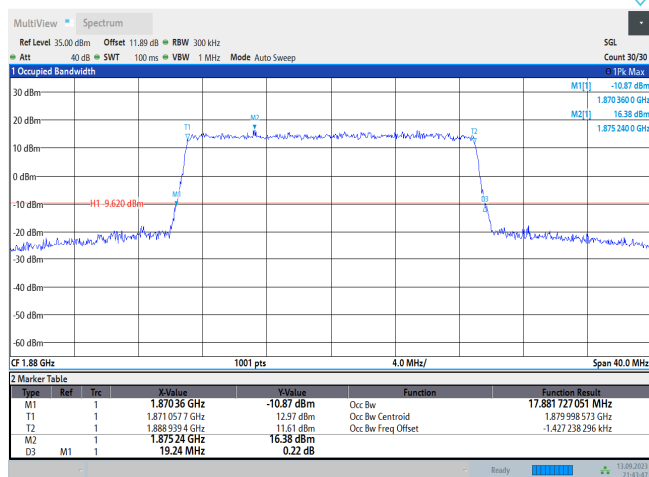
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Band2-20MHz-16QAM-18900-100RB#0



21:43:47 13.09.2023



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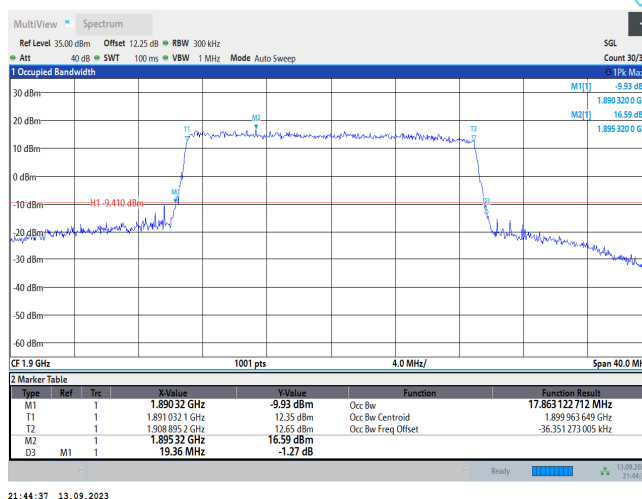
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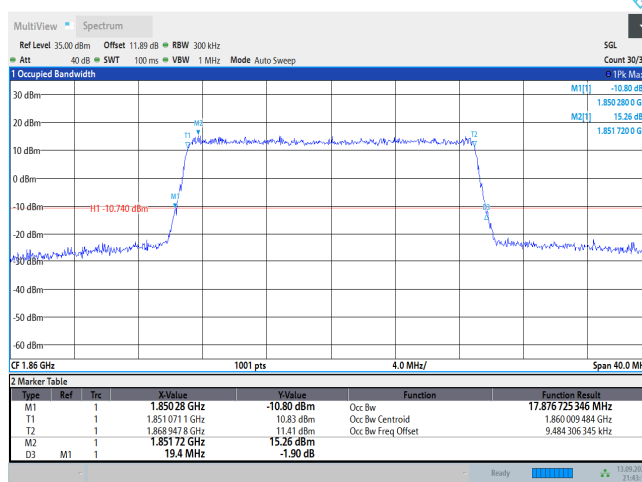
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Band2-20MHz-16QAM-19100-100RB#0



21:44:37 13.09.2023

Band2-20MHz-64QAM-18700-100RB#0



21:43:15 13.09.2023



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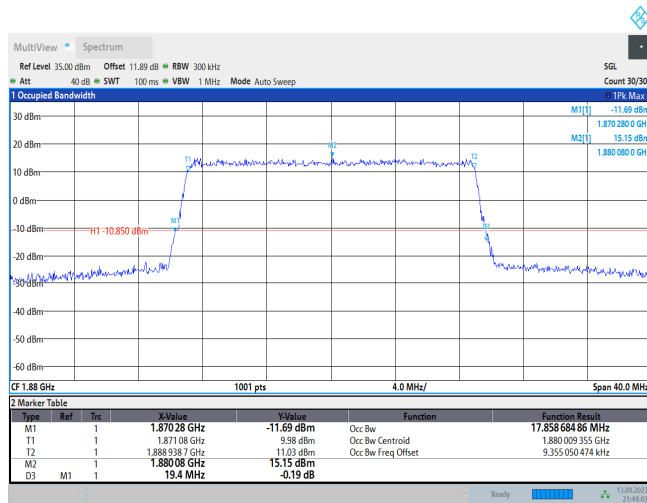
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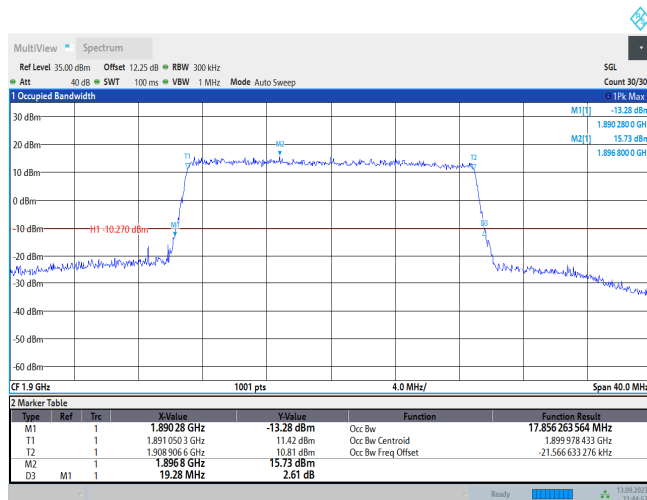
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21:44:04 13.09.2023

Band2-20MHz-64QAM-19100-100RB#0



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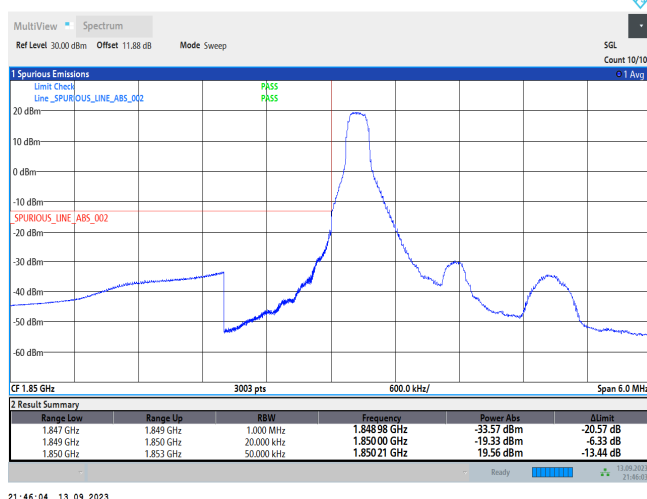
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Band Edge

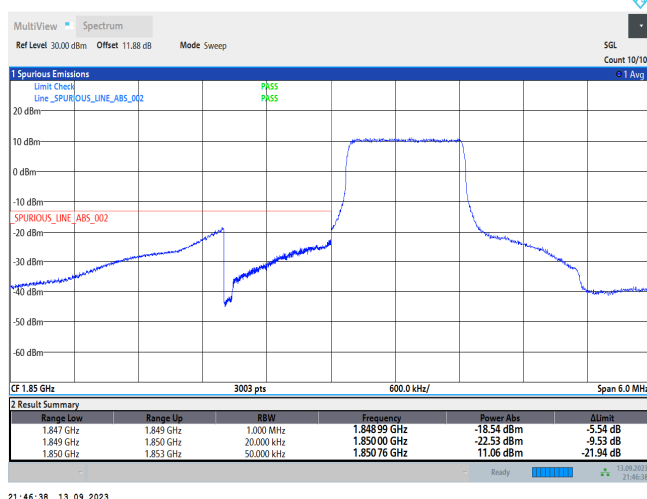
Test Graphs

Band2-1.4MHz-QPSK-18607-1RB#0



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Band2-1.4MHz-QPSK-18607-6RB#0



21:46:38 13.09.2023



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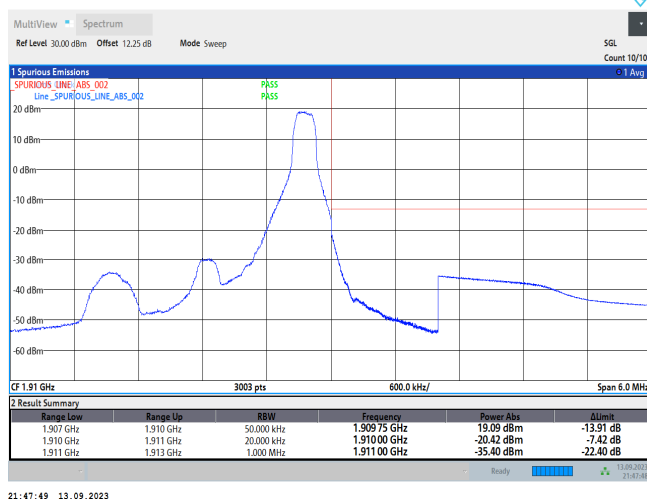
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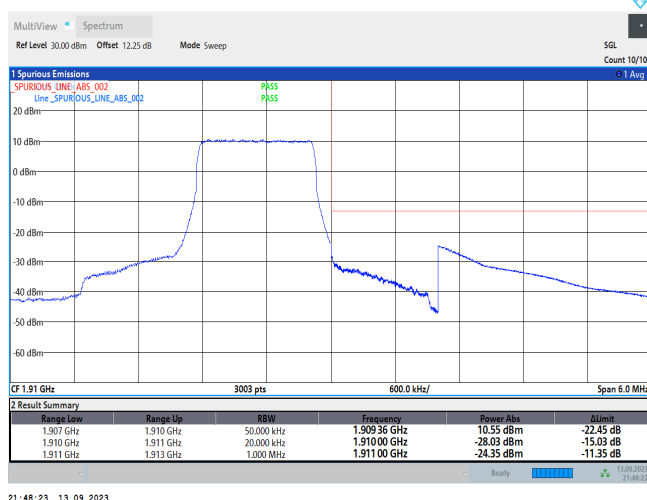
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Band2-1.4MHz-QPSK-19193-1RB#5



Band2-1.4MHz-QPSK-19193-6RB#0

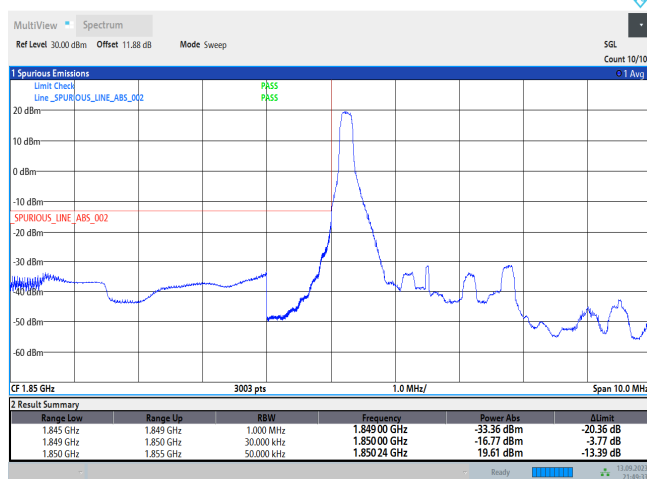


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Band2-3MHz-QPSK-18615-1RB#0

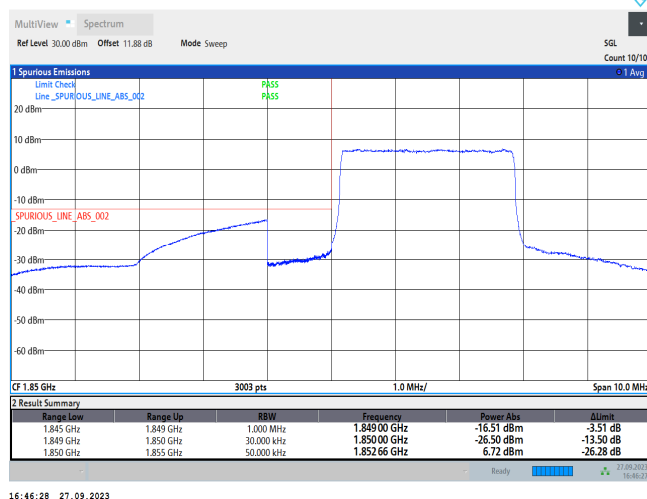


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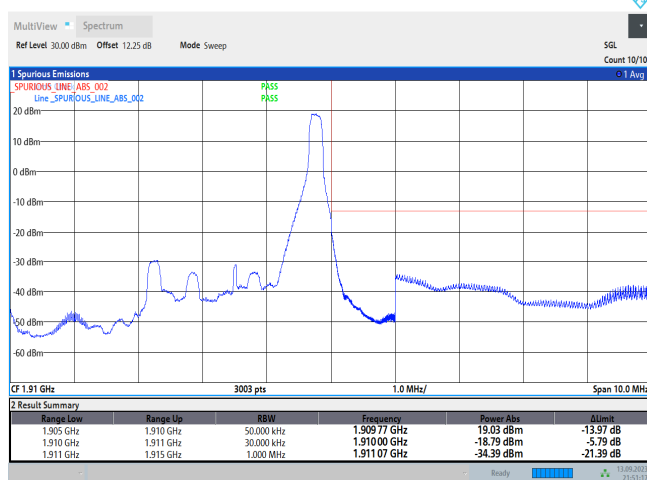
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Band2-3MHz-QPSK-18615-15RB#0



16:46:28 27.09.2023

Band2-3MHz-QPSK-19185-1RB#14



21:51:17 13.09.2023



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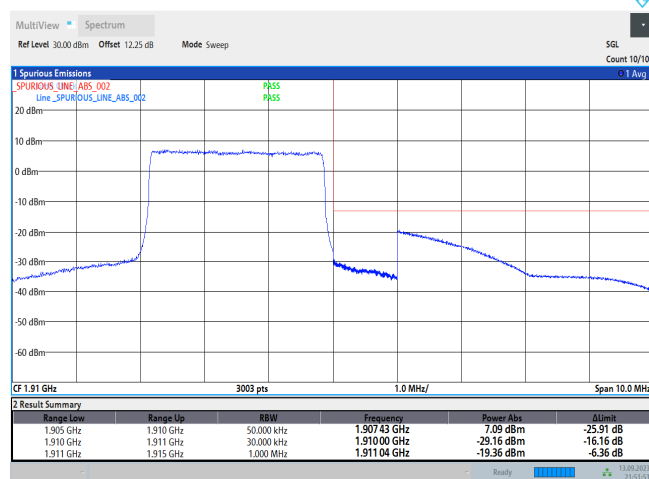
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Band2-3MHz-QPSK-19185-15RB#0

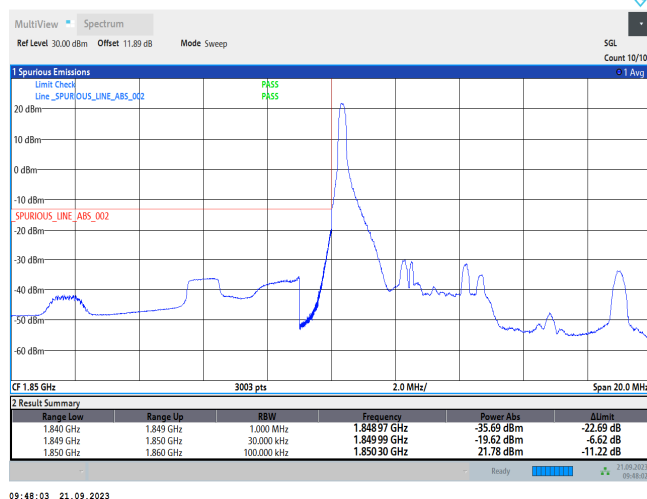


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Rev.: 01

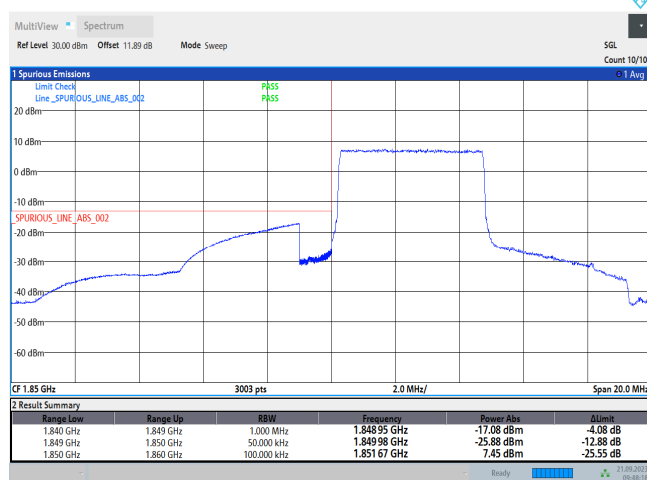
Page: 57 of 83

Band2-5MHz-QPSK-18625-1RB#0



09:48:03 21.09.2023

Band2-5MHz-QPSK-18625-25RB#0



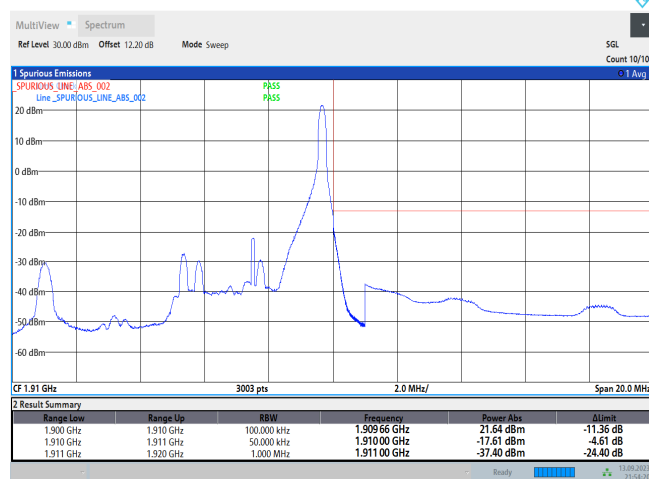
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Report No.: XEWM2309000451RG01

Rev.: 01

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Band2-5MHz-QPSK-19175-1RB#24

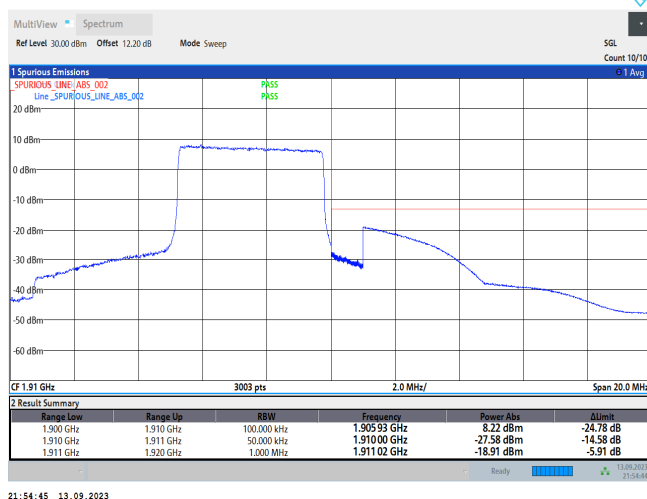


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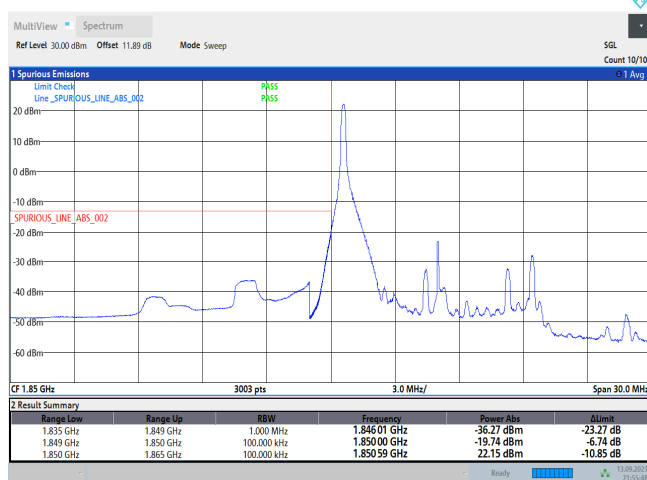
Page: 59 of 83

Band2-5MHz-QPSK-19175-25RB#0



21:54:45 13.09.2023

Band2-10MHz-QPSK-18650-1RB#0



21:55:48 13.09.2023



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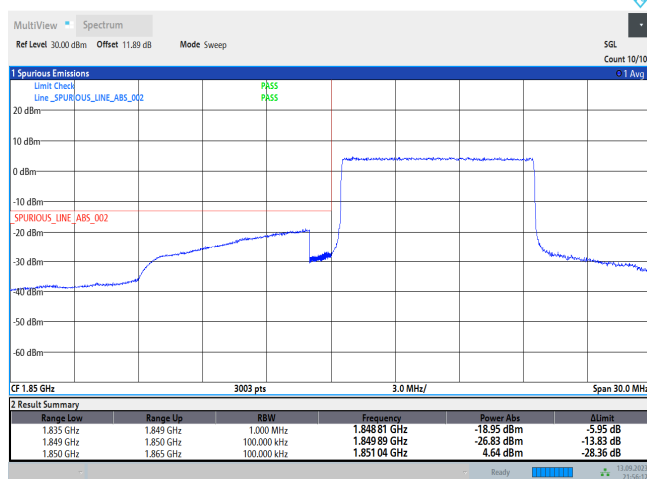
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Band2-10MHz-QPSK-18650-50RB#0



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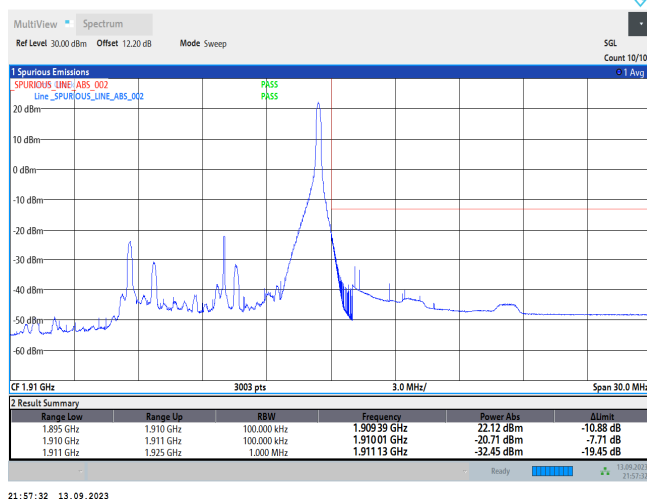
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Band2-10MHz-QPSK-19150-1RB#49



Band2-10MHz-QPSK-19150-50RB#0

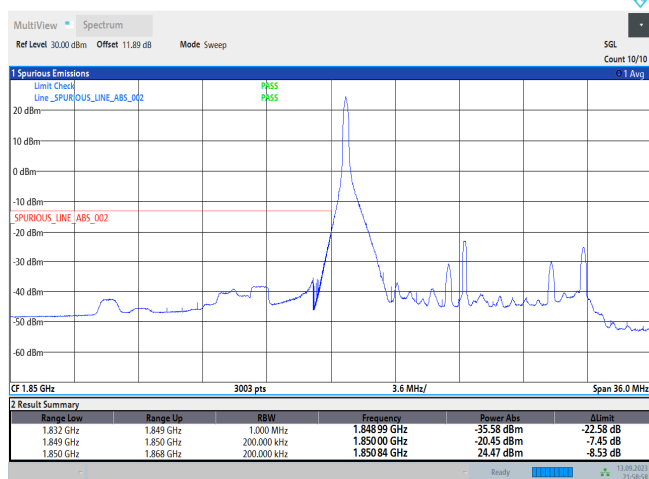


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Band2-15MHz-QPSK-18675-1RB#0



21:58:59 13.09.2023



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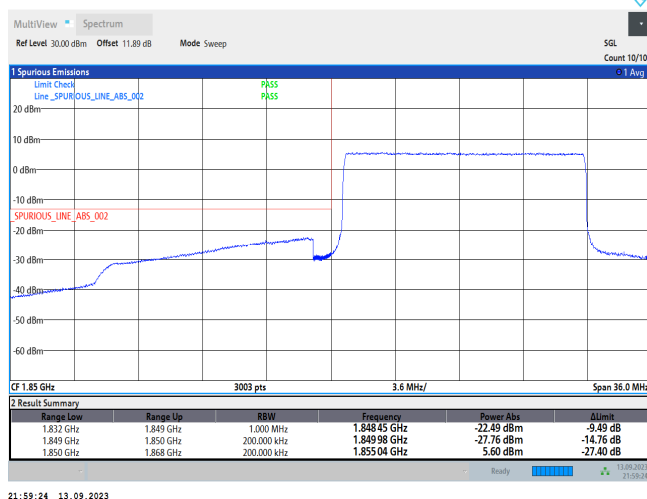
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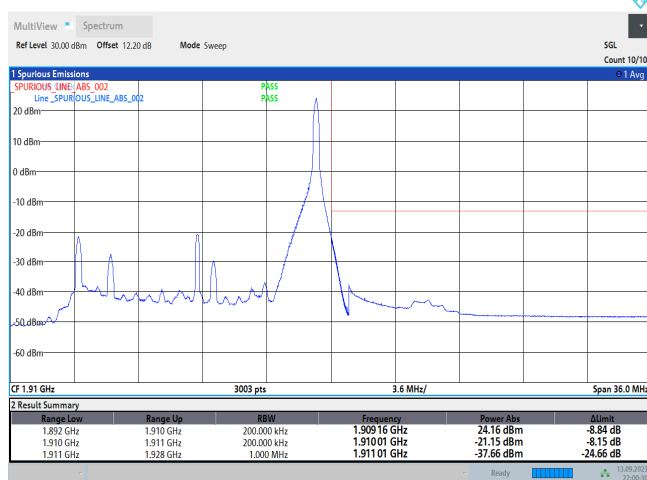
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Band2-15MHz-QPSK-18675-75RB#0



21:59:24 13.09.2023

Band2-15MHz-QPSK-19125-1RB#74



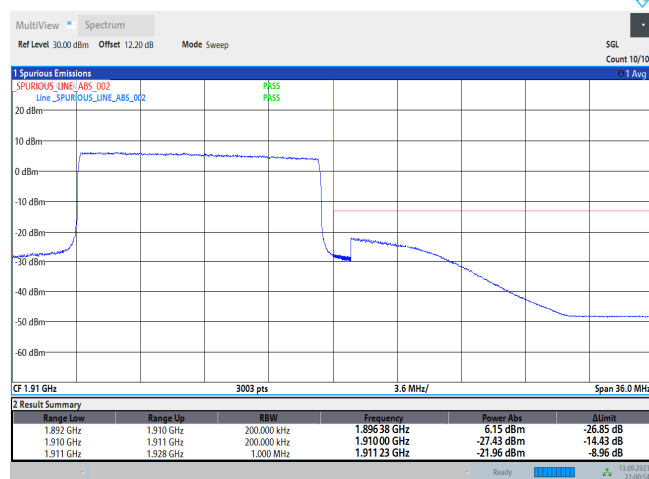
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Band2-15MHz-QPSK-19125-75RB#0

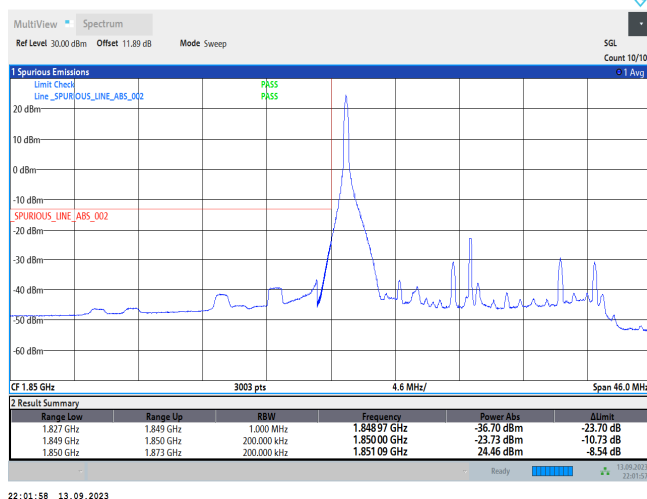


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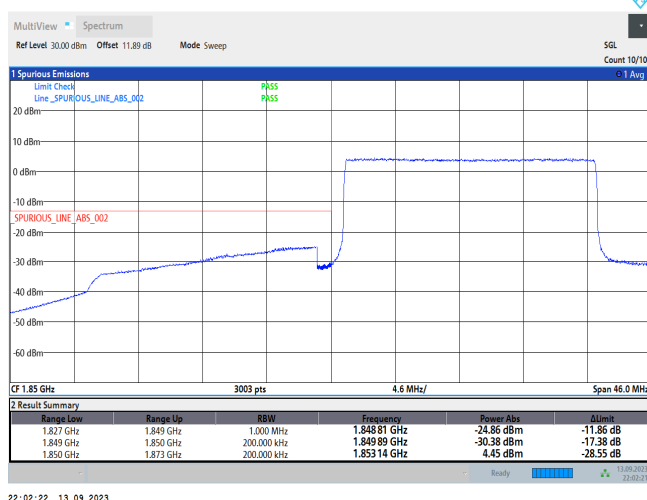
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Band2-20MHz-QPSK-18700-1RB#0



Band2-20MHz-QPSK-18700-100RB#0

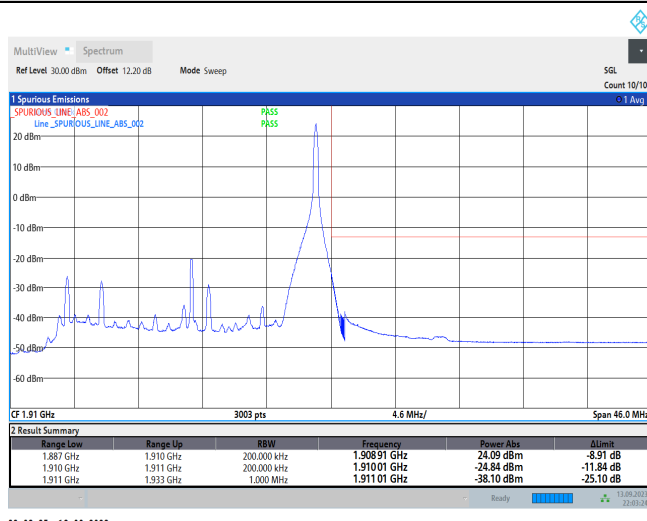


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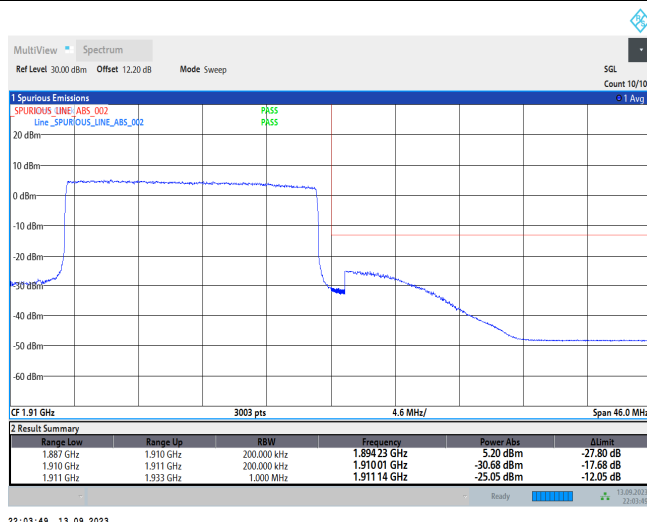
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Band2-20MHz-QPSK-19100-1RB#99



Band2-20MHz-QPSK-19100-100RB#0



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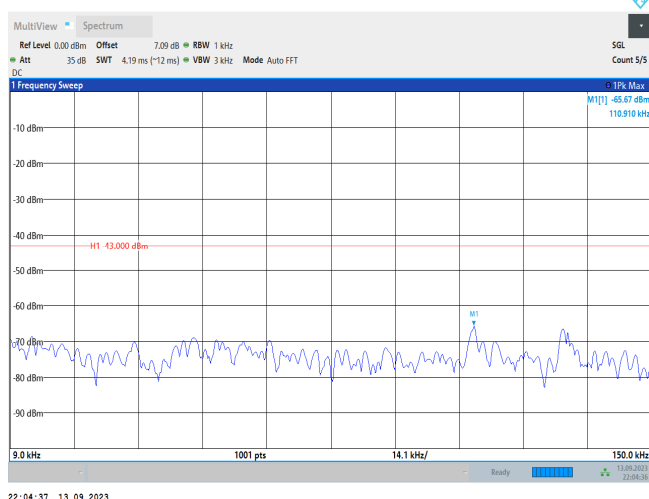
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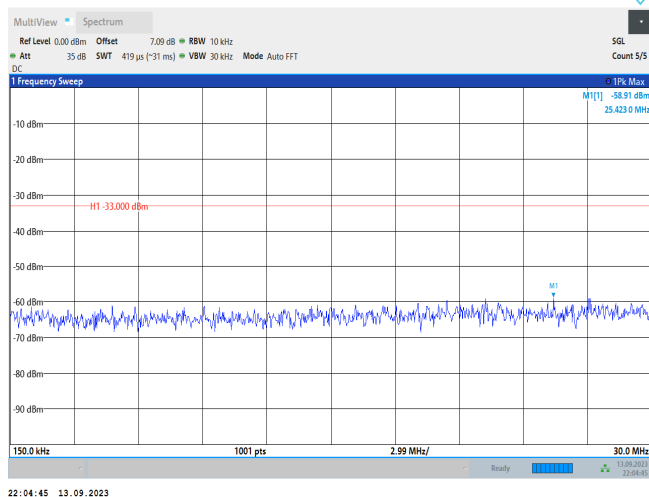
Conducted Spurious Emission

Test Graphs

Band2-20MHz-QPSK-18700-1RB#0-Range1:0.009~0.15MHz



Band2-20MHz-QPSK-18700-1RB#0-Range2:0.15~30MHz



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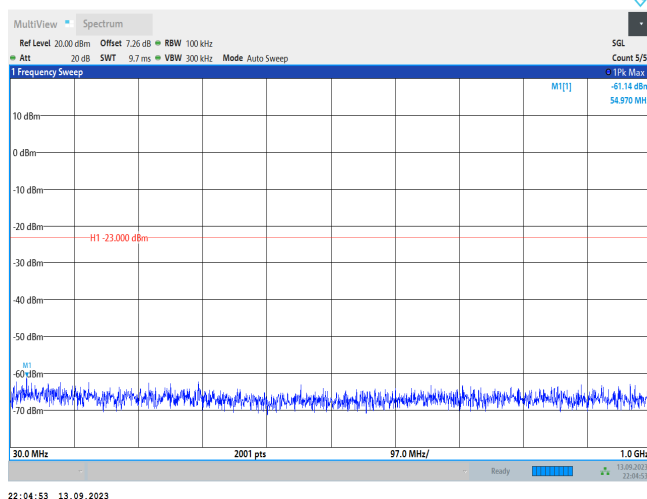
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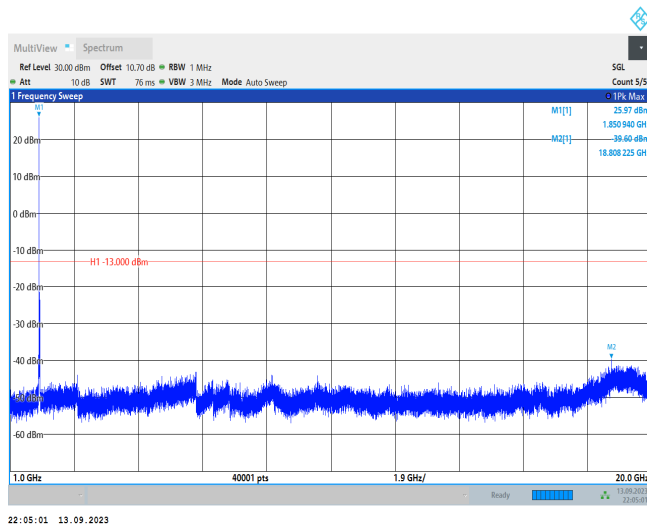
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



Band2-20MHz-QPSK-18700-1RB#0-Range4:1000~20000MHz

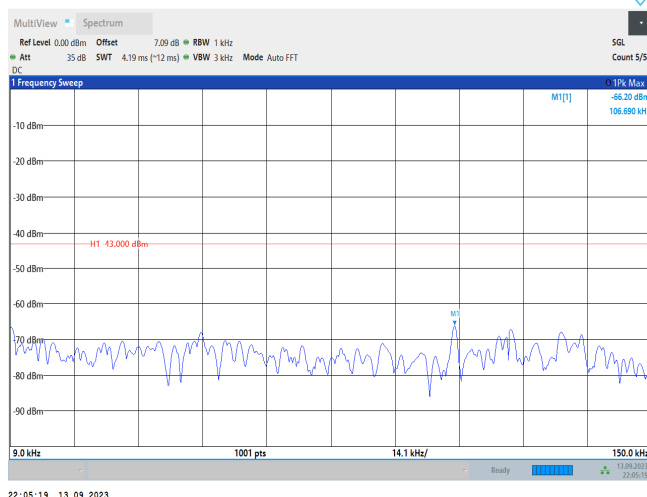


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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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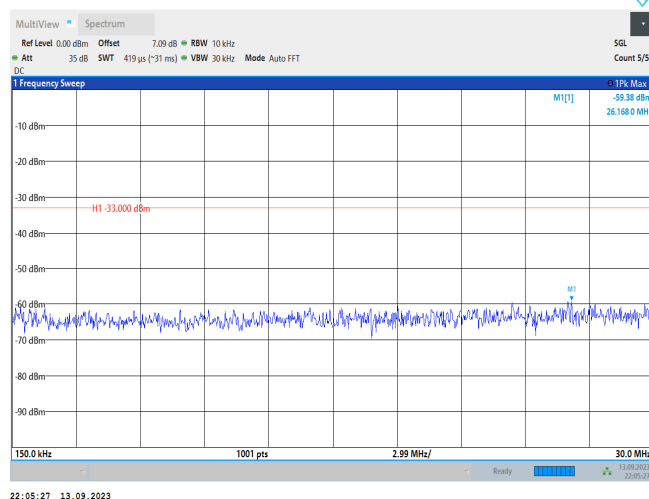
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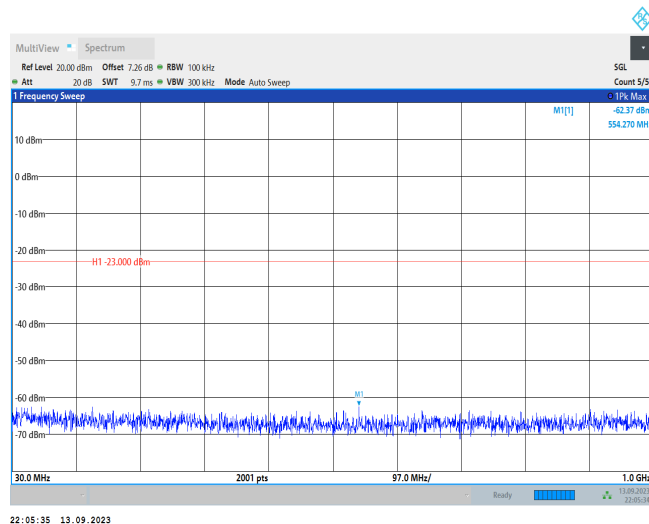
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Band2-20MHz-QPSK-18900-1RB#0-Range2:0.15~30MHz



Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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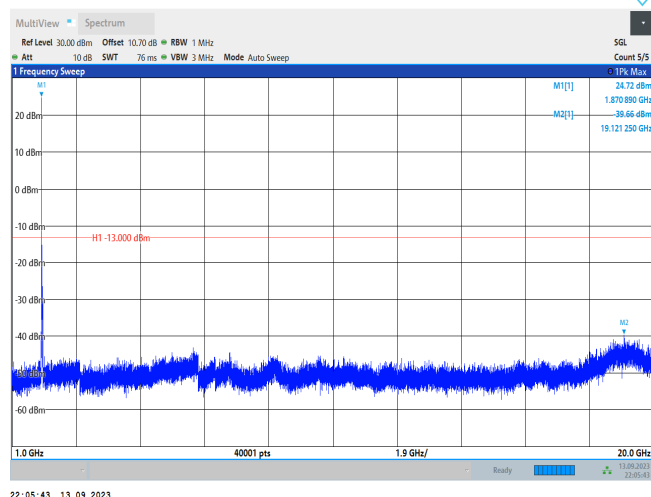
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Band2-20MHz-QPSK-18900-1RB#0-Range4:1000~20000MHz



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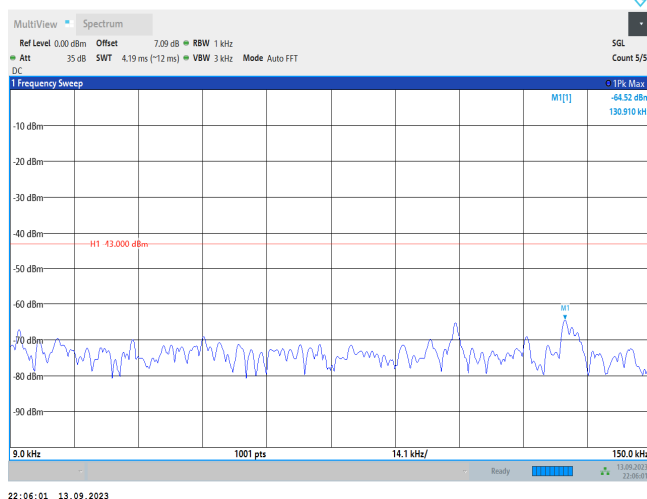
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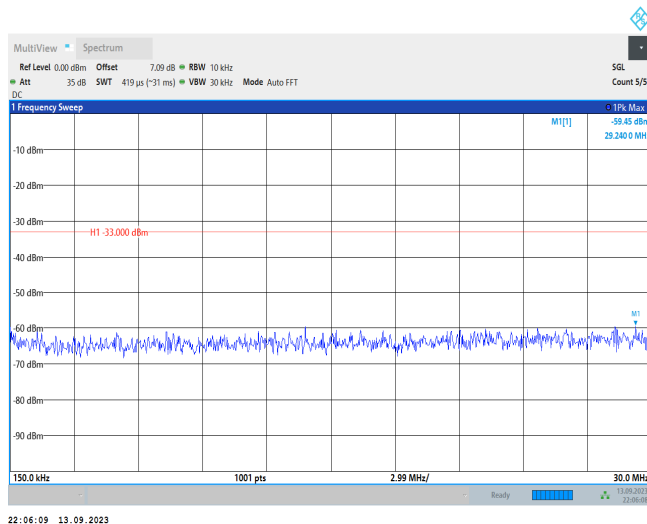
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



Band2-20MHz-QPSK-19100-1RB#0-Range2:0.15~30MHz

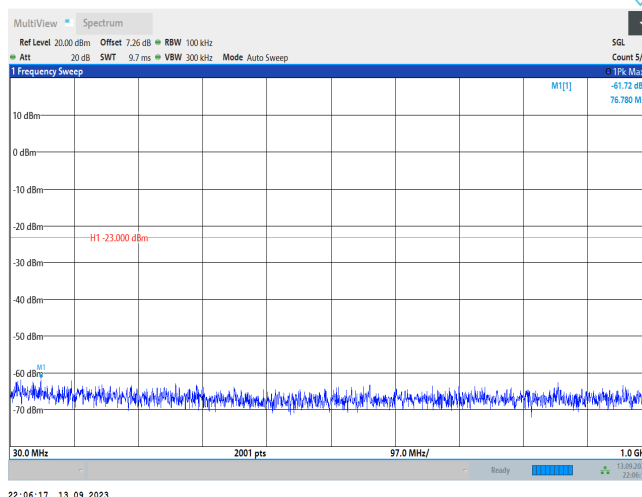


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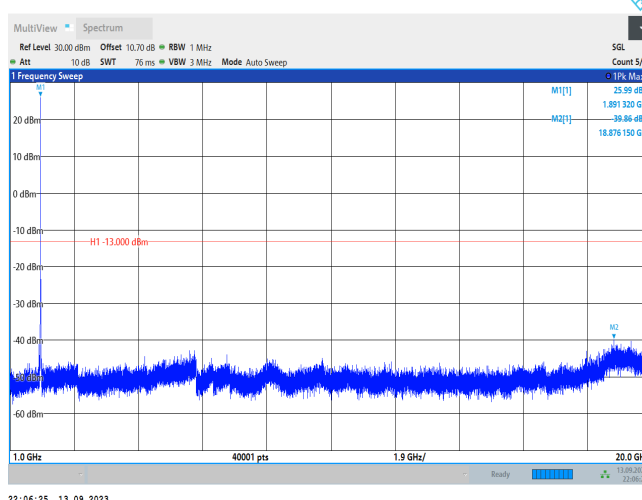
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



Band2-20MHz-QPSK-19100-1RB#0-Range4:1000~20000MHz



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Field Strength of Spurious Radiation

Test Band = LTE_2 ANT 3

Test Channel = LCH

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3914 | 47.46 | -44.20 | 29.76 | -62.24 | -13.00 | 49.24 | Horizontal |
| 2 | 6349 | 46.03 | -40.78 | 33.89 | -56.12 | -13.00 | 43.12 | Horizontal |
| 3 | 8393.5 | 43.95 | -36.99 | 36.47 | -51.83 | -13.00 | 38.83 | Horizontal |
| 4 | 10942.5 | 42.80 | -37.24 | 40.16 | -49.54 | -13.00 | 36.54 | Horizontal |
| 5 | 13583 | 43.15 | -37.87 | 40.07 | -49.91 | -13.00 | 36.91 | Horizontal |
| 6 | 17990.5 | 41.45 | -43.12 | 48.03 | -48.90 | -13.00 | 35.90 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3930 | 47.32 | -44.19 | 29.82 | -62.31 | -13.00 | 49.31 | Vertical |
| 2 | 5163.5 | 46.03 | -42.54 | 31.83 | -59.94 | -13.00 | 46.94 | Vertical |
| 3 | 7408.5 | 44.14 | -38.28 | 36.72 | -52.68 | -13.00 | 39.68 | Vertical |
| 4 | 9902.5 | 42.26 | -35.03 | 38.60 | -49.43 | -13.00 | 36.43 | Vertical |
| 5 | 13558.5 | 43.32 | -37.90 | 40.02 | -49.82 | -13.00 | 36.82 | Vertical |
| 6 | 16548.5 | 41.77 | -35.48 | 39.40 | -49.57 | -13.00 | 36.57 | Vertical |



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Test Band = LTE_2 ANT 3
Test Channel = MCH

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3974 | 47.21 | -44.18 | 29.85 | -62.38 | -13.00 | 49.38 | Horizontal |
| 2 | 5601 | 46.13 | -41.44 | 32.60 | -57.97 | -13.00 | 44.97 | Horizontal |
| 3 | 7399 | 44.36 | -38.29 | 36.70 | -52.49 | -13.00 | 39.49 | Horizontal |
| 4 | 9884 | 42.51 | -35.08 | 38.47 | -49.36 | -13.00 | 36.36 | Horizontal |
| 5 | 13576.5 | 43.02 | -37.88 | 40.05 | -50.07 | -13.00 | 37.07 | Horizontal |
| 6 | 17996.5 | 41.27 | -43.07 | 48.14 | -48.92 | -13.00 | 35.92 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3937 | 47.39 | -44.19 | 29.85 | -62.21 | -13.00 | 49.21 | Vertical |
| 2 | 5399.5 | 45.34 | -41.99 | 32.50 | -59.41 | -13.00 | 46.41 | Vertical |
| 3 | 6862.5 | 44.73 | -39.32 | 35.55 | -54.30 | -13.00 | 41.30 | Vertical |
| 4 | 9115 | 43.14 | -36.07 | 37.03 | -51.16 | -13.00 | 38.16 | Vertical |
| 5 | 11257 | 44.85 | -39.41 | 40.14 | -49.68 | -13.00 | 36.68 | Vertical |
| 6 | 18000 | 41.05 | -43.04 | 48.20 | -49.05 | -13.00 | 36.05 | Vertical |



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

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Test Band = LTE_2 ANT 3
Test Channel = HCH

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3840.5 | 47.20 | -44.63 | 29.72 | -62.97 | -13.00 | 49.97 | Horizontal |
| 2 | 5589 | 45.66 | -41.49 | 32.51 | -58.58 | -13.00 | 45.58 | Horizontal |
| 3 | 7170.5 | 43.96 | -38.81 | 36.48 | -53.63 | -13.00 | 40.63 | Horizontal |
| 4 | 9106 | 42.82 | -36.07 | 37.01 | -51.50 | -13.00 | 38.50 | Horizontal |
| 5 | 11263 | 44.78 | -39.42 | 40.14 | -49.76 | -13.00 | 36.76 | Horizontal |
| 6 | 17998.5 | 41.03 | -43.05 | 48.17 | -49.11 | -13.00 | 36.11 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3829 | 47.32 | -44.72 | 29.74 | -62.92 | -13.00 | 49.92 | Vertical |
| 2 | 5157.5 | 46.28 | -42.54 | 31.82 | -59.70 | -13.00 | 46.70 | Vertical |
| 3 | 7401.5 | 44.34 | -38.28 | 36.70 | -52.50 | -13.00 | 39.50 | Vertical |
| 4 | 9889.5 | 42.59 | -35.04 | 38.52 | -49.19 | -13.00 | 36.19 | Vertical |
| 5 | 13356 | 44.13 | -38.57 | 39.73 | -49.97 | -13.00 | 36.97 | Vertical |
| 6 | 16483 | 42.50 | -35.48 | 39.22 | -49.02 | -13.00 | 36.02 | Vertical |



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 中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
 t (86-29) 6282 7885 sgs.china@sgs.com

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Test Band = LTE_2 ANT 4
Test Channel = LCH

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3942 | 46.41 | -44.19 | 29.87 | -63.17 | -13.00 | 50.17 | Horizontal |
| 2 | 5696.5 | 44.83 | -41.15 | 32.50 | -59.08 | -13.00 | 46.08 | Horizontal |
| 3 | 6853 | 43.49 | -39.35 | 35.59 | -55.53 | -13.00 | 42.53 | Horizontal |
| 4 | 8472.5 | 42.39 | -36.61 | 36.45 | -53.03 | -13.00 | 40.03 | Horizontal |
| 5 | 11045 | 41.74 | -37.25 | 40.15 | -50.62 | -13.00 | 37.62 | Horizontal |
| 6 | 16387 | 40.74 | -34.89 | 38.76 | -50.65 | -13.00 | 37.65 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3942 | 46.39 | -44.19 | 29.87 | -63.19 | -13.00 | 50.19 | Vertical |
| 2 | 5956.5 | 44.53 | -41.19 | 32.91 | -59.01 | -13.00 | 46.01 | Vertical |
| 3 | 7908 | 42.40 | -37.46 | 36.48 | -53.84 | -13.00 | 40.84 | Vertical |
| 4 | 9886.5 | 41.35 | -35.06 | 38.49 | -50.48 | -13.00 | 37.48 | Vertical |
| 5 | 13565 | 41.44 | -37.89 | 40.03 | -51.68 | -13.00 | 38.68 | Vertical |
| 6 | 16394 | 40.62 | -34.85 | 38.78 | -50.71 | -13.00 | 37.71 | Vertical |



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Wireless Laboratory

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

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Test Band = LTE_2 ANT 4
Test Channel = MCH

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3958 | 46.34 | -44.18 | 29.88 | -63.22 | -13.00 | 50.22 | Horizontal |
| 2 | 5122.5 | 45.18 | -42.53 | 31.64 | -60.97 | -13.00 | 47.97 | Horizontal |
| 3 | 7418.5 | 43.17 | -38.28 | 36.74 | -53.63 | -13.00 | 40.63 | Horizontal |
| 4 | 9887 | 41.02 | -35.06 | 38.50 | -50.80 | -13.00 | 37.80 | Horizontal |
| 5 | 13562 | 41.65 | -37.90 | 40.02 | -51.49 | -13.00 | 38.49 | Horizontal |
| 6 | 16364 | 40.41 | -35.02 | 38.69 | -51.18 | -13.00 | 38.18 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3710.5 | 47.16 | -44.55 | 29.36 | -63.29 | -13.00 | 50.29 | Vertical |
| 2 | 5030.5 | 45.81 | -42.66 | 31.44 | -60.67 | -13.00 | 47.67 | Vertical |
| 3 | 7856 | 42.27 | -37.66 | 36.76 | -53.89 | -13.00 | 40.89 | Vertical |
| 4 | 9890 | 41.03 | -35.04 | 38.52 | -50.75 | -13.00 | 37.75 | Vertical |
| 5 | 13561.5 | 41.51 | -37.90 | 40.02 | -51.63 | -13.00 | 38.63 | Vertical |
| 6 | 16349.5 | 40.59 | -35.10 | 38.65 | -51.12 | -13.00 | 38.12 | Vertical |



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
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Test Band = LTE_2 ANT 4
Test Channel = HCH

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3714 | 47.71 | -44.57 | 29.38 | -62.74 | -13.00 | 49.74 | Horizontal |
| 2 | 6595.5 | 43.74 | -40.46 | 34.77 | -57.21 | -13.00 | 44.21 | Horizontal |
| 3 | 8429.5 | 42.19 | -36.83 | 36.44 | -53.46 | -13.00 | 40.46 | Horizontal |
| 4 | 9904 | 40.79 | -35.07 | 38.60 | -50.94 | -13.00 | 37.94 | Horizontal |
| 5 | 13578 | 41.59 | -37.87 | 40.06 | -51.48 | -13.00 | 38.48 | Horizontal |
| 6 | 16389.5 | 40.28 | -34.88 | 38.77 | -51.09 | -13.00 | 38.09 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3951.5 | 46.59 | -44.18 | 29.90 | -62.95 | -13.00 | 49.95 | Vertical |
| 2 | 5519 | 45.29 | -41.77 | 32.32 | -59.42 | -13.00 | 46.42 | Vertical |
| 3 | 7405.5 | 43.25 | -38.28 | 36.71 | -53.58 | -13.00 | 40.58 | Vertical |
| 4 | 9909.5 | 41.19 | -35.21 | 38.61 | -50.67 | -13.00 | 37.67 | Vertical |
| 5 | 13645.5 | 41.49 | -37.92 | 40.15 | -51.54 | -13.00 | 38.54 | Vertical |
| 6 | 16390.5 | 40.29 | -34.87 | 38.77 | -51.07 | -13.00 | 38.07 | Vertical |



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

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Test Band = LTE_2 ANT 5

Test Channel = LCH

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3668 | 47.25 | -44.46 | 29.30 | -63.17 | -13.00 | 50.17 | Horizontal |
| 2 | 5588.5 | 44.59 | -41.49 | 32.51 | -59.65 | -13.00 | 46.65 | Horizontal |
| 3 | 7395.5 | 43.80 | -38.31 | 36.68 | -53.09 | -13.00 | 40.09 | Horizontal |
| 4 | 9877.5 | 40.81 | -35.13 | 38.42 | -51.16 | -13.00 | 38.16 | Horizontal |
| 5 | 13649 | 41.69 | -37.92 | 40.15 | -51.34 | -13.00 | 38.34 | Horizontal |
| 6 | 17986 | 39.43 | -43.15 | 47.95 | -51.03 | -13.00 | 38.03 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3665.5 | 47.12 | -44.45 | 29.30 | -63.29 | -13.00 | 50.29 | Vertical |
| 2 | 5096 | 45.42 | -42.53 | 31.51 | -60.86 | -13.00 | 47.86 | Vertical |
| 3 | 7418.5 | 43.27 | -38.28 | 36.74 | -53.53 | -13.00 | 40.53 | Vertical |
| 4 | 9904.5 | 41.01 | -35.08 | 38.60 | -50.73 | -13.00 | 37.73 | Vertical |
| 5 | 11243.5 | 42.88 | -39.37 | 40.16 | -51.59 | -13.00 | 38.59 | Vertical |
| 6 | 16397.5 | 40.21 | -34.83 | 38.79 | -51.09 | -13.00 | 38.09 | Vertical |



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Test Band = LTE_2 ANT 5
Test Channel = MCH

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3948 | 46.39 | -44.19 | 29.89 | -63.17 | -13.00 | 50.17 | Horizontal |
| 2 | 5165 | 45.02 | -42.54 | 31.83 | -60.95 | -13.00 | 47.95 | Horizontal |
| 3 | 7408.5 | 43.22 | -38.28 | 36.72 | -53.60 | -13.00 | 40.60 | Horizontal |
| 4 | 9390.5 | 40.82 | -35.44 | 37.32 | -52.56 | -13.00 | 39.56 | Horizontal |
| 5 | 13296.5 | 41.51 | -38.28 | 39.89 | -52.14 | -13.00 | 39.14 | Horizontal |
| 6 | 16385.5 | 40.19 | -34.90 | 38.76 | -51.21 | -13.00 | 38.21 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3687.5 | 47.24 | -44.49 | 29.30 | -63.21 | -13.00 | 50.21 | Vertical |
| 2 | 5085.5 | 45.05 | -42.55 | 31.53 | -61.23 | -13.00 | 48.23 | Vertical |
| 3 | 7382 | 43.37 | -38.39 | 36.63 | -53.65 | -13.00 | 40.65 | Vertical |
| 4 | 9909.5 | 40.95 | -35.21 | 38.61 | -50.91 | -13.00 | 37.91 | Vertical |
| 5 | 13566 | 41.58 | -37.89 | 40.03 | -51.54 | -13.00 | 38.54 | Vertical |
| 6 | 16396 | 40.54 | -34.84 | 38.79 | -50.77 | -13.00 | 37.77 | Vertical |



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

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Test Band = LTE_2 ANT 5
Test Channel = HCH

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3730 | 47.13 | -44.64 | 29.48 | -63.29 | -13.00 | 50.29 | Horizontal |
| 2 | 5463 | 44.28 | -41.90 | 32.25 | -60.63 | -13.00 | 47.63 | Horizontal |
| 3 | 7423 | 43.13 | -38.28 | 36.75 | -53.66 | -13.00 | 40.66 | Horizontal |
| 4 | 9866.5 | 41.50 | -35.22 | 38.33 | -50.65 | -13.00 | 37.65 | Horizontal |
| 5 | 13561 | 41.64 | -37.90 | 40.02 | -51.50 | -13.00 | 38.50 | Horizontal |
| 6 | 17988.5 | 39.47 | -43.13 | 47.99 | -50.93 | -13.00 | 37.93 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|----------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3952.5 | 46.32 | -44.18 | 29.90 | -63.22 | -13.00 | 50.22 | Vertical |
| 2 | 5696 | 44.63 | -41.15 | 32.50 | -59.28 | -13.00 | 46.28 | Vertical |
| 3 | 7429 | 42.86 | -38.28 | 36.76 | -53.92 | -13.00 | 40.92 | Vertical |
| 4 | 9883 | 40.95 | -35.09 | 38.46 | -50.94 | -13.00 | 37.94 | Vertical |
| 5 | 13574 | 42.13 | -37.88 | 40.05 | -50.96 | -13.00 | 37.96 | Vertical |
| 6 | 17991.5 | 39.44 | -43.11 | 48.05 | -50.88 | -13.00 | 37.88 | Vertical |

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com

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Frequency Stability

Test Result

| Voltage | | | | | | | | | |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | VL | NT | 7.30 | 0.003883 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | VN | NT | 5.50 | 0.002926 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | VH | NT | -3.10 | -0.001649 | PASS |

| Temperature | | | | | | | | | |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | -30 | 12.10 | 0.006436 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | -20 | 10.50 | 0.005585 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | -10 | 1.30 | 0.000691 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 0 | 3.70 | 0.001968 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 10 | -1.30 | -0.000691 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 20 | -3.40 | -0.001809 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 30 | -2.50 | -0.001330 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 40 | -1.90 | -0.001011 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 50 | 4.30 | 0.002287 | PASS |

---End of Attachment---



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SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

1/F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
t (86-29) 6282 7885 sgs.china@sgs.com