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# Appendix B.3

## LTE Band 4



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**Effective (Isotropic) Radiated Power Output Data****Test Result**

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | EIRP(dBm) | Limit(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|-----------|------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 23.91       | 25.38     | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#2            | 23.87       | 25.34     | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#5            | 23.94       | 25.41     | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 22.91       | 24.38     | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 23.69       | 25.16     | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#2            | 23.9        | 25.37     | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#5            | 23.83       | 25.3      | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 22.92       | 24.39     | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 23.79       | 25.26     | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#2            | 23.8        | 25.27     | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#5            | 23.74       | 25.21     | 30         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 22.83       | 24.3      | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 22.96       | 24.43     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#2            | 23.12       | 24.59     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#5            | 23.01       | 24.48     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 22.09       | 23.56     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 23.02       | 24.49     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#2            | 23.1        | 24.57     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#5            | 23.1        | 24.57     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 22          | 23.47     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 22.96       | 24.43     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#2            | 23.02       | 24.49     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#5            | 22.91       | 24.38     | 30         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 21.87       | 23.34     | 30         | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 1RB#0            | 22.05       | 23.52     | 30         | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 1RB#2            | 22.05       | 23.52     | 30         | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 1RB#5            | 21.97       | 23.44     | 30         | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 6RB#0            | 20.97       | 22.44     | 30         | PASS    |



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|-------|--------|--------|-------|--------|-------|-------|----|------|
| Band4 | 1.4MHz | 64QAM  | 20175 | 1RB#0  | 22.01 | 23.48 | 30 | PASS |
| Band4 | 1.4MHz | 64QAM  | 20175 | 1RB#2  | 22.15 | 23.62 | 30 | PASS |
| Band4 | 1.4MHz | 64QAM  | 20175 | 1RB#5  | 21.98 | 23.45 | 30 | PASS |
| Band4 | 1.4MHz | 64QAM  | 20175 | 6RB#0  | 20.93 | 22.4  | 30 | PASS |
| Band4 | 1.4MHz | 64QAM  | 20393 | 1RB#0  | 21.96 | 23.43 | 30 | PASS |
| Band4 | 1.4MHz | 64QAM  | 20393 | 1RB#2  | 22.14 | 23.61 | 30 | PASS |
| Band4 | 1.4MHz | 64QAM  | 20393 | 1RB#5  | 22.01 | 23.48 | 30 | PASS |
| Band4 | 1.4MHz | 64QAM  | 20393 | 6RB#0  | 20.95 | 22.42 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 19957 | 1RB#0  | 18.9  | 20.37 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 19957 | 1RB#2  | 18.92 | 20.39 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 19957 | 1RB#5  | 19.01 | 20.48 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 19957 | 6RB#0  | 18.95 | 20.42 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20175 | 1RB#0  | 18.81 | 20.28 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20175 | 1RB#2  | 18.9  | 20.37 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20175 | 1RB#5  | 19.06 | 20.53 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20175 | 6RB#0  | 18.93 | 20.4  | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20393 | 1RB#0  | 18.91 | 20.38 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20393 | 1RB#2  | 18.95 | 20.42 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20393 | 1RB#5  | 18.94 | 20.41 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20393 | 6RB#0  | 18.81 | 20.28 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 19965 | 1RB#0  | 24.1  | 25.57 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 19965 | 1RB#8  | 24.18 | 25.65 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 19965 | 1RB#14 | 23.83 | 25.3  | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 19965 | 15RB#0 | 22.91 | 24.38 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20175 | 1RB#0  | 23.97 | 25.44 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20175 | 1RB#8  | 23.89 | 25.36 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20175 | 1RB#14 | 23.85 | 25.32 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20175 | 15RB#0 | 22.83 | 24.3  | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20385 | 1RB#0  | 23.87 | 25.34 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20385 | 1RB#8  | 23.95 | 25.42 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20385 | 1RB#14 | 23.83 | 25.3  | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20385 | 15RB#0 | 22.9  | 24.37 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 19965 | 1RB#0  | 23.06 | 24.53 | 30 | PASS |



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| Band4 | 3MHz | 16QAM  | 19965 | 1RB#8  | 23.11 | 24.58 | 30 | PASS |
| Band4 | 3MHz | 16QAM  | 19965 | 1RB#14 | 23.07 | 24.54 | 30 | PASS |
| Band4 | 3MHz | 16QAM  | 19965 | 15RB#0 | 21.99 | 23.46 | 30 | PASS |
| Band4 | 3MHz | 16QAM  | 20175 | 1RB#0  | 22.95 | 24.42 | 30 | PASS |
| Band4 | 3MHz | 16QAM  | 20175 | 1RB#8  | 23    | 24.47 | 30 | PASS |
| Band4 | 3MHz | 16QAM  | 20175 | 1RB#14 | 22.98 | 24.45 | 30 | PASS |
| Band4 | 3MHz | 16QAM  | 20175 | 15RB#0 | 21.87 | 23.34 | 30 | PASS |
| Band4 | 3MHz | 16QAM  | 20385 | 1RB#0  | 23.03 | 24.5  | 30 | PASS |
| Band4 | 3MHz | 16QAM  | 20385 | 1RB#8  | 22.91 | 24.38 | 30 | PASS |
| Band4 | 3MHz | 16QAM  | 20385 | 1RB#14 | 23.01 | 24.48 | 30 | PASS |
| Band4 | 3MHz | 16QAM  | 20385 | 15RB#0 | 21.9  | 23.37 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 19965 | 1RB#0  | 23.71 | 25.18 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 19965 | 1RB#8  | 22.21 | 23.68 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 19965 | 1RB#14 | 22.03 | 23.5  | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 19965 | 15RB#0 | 20.92 | 22.39 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 20175 | 1RB#0  | 22.12 | 23.59 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 20175 | 1RB#8  | 22.1  | 23.57 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 20175 | 1RB#14 | 22.04 | 23.51 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 20175 | 15RB#0 | 20.84 | 22.31 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 20385 | 1RB#0  | 21.95 | 23.42 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 20385 | 1RB#8  | 22    | 23.47 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 20385 | 1RB#14 | 21.91 | 23.38 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 20385 | 15RB#0 | 20.94 | 22.41 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 19965 | 1RB#0  | 18.93 | 20.4  | 30 | PASS |
| Band4 | 3MHz | 256QAM | 19965 | 1RB#8  | 18.99 | 20.46 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 19965 | 1RB#14 | 19.02 | 20.49 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 19965 | 15RB#0 | 18.88 | 20.35 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20175 | 1RB#0  | 18.78 | 20.25 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20175 | 1RB#8  | 18.9  | 20.37 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20175 | 1RB#14 | 18.97 | 20.44 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20175 | 15RB#0 | 18.85 | 20.32 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20385 | 1RB#0  | 18.91 | 20.38 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20385 | 1RB#8  | 19.05 | 20.52 | 30 | PASS |



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| Band4 | 3MHz | 256QAM | 20385 | 1RB#14 | 18.95 | 20.42 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20385 | 15RB#0 | 18.88 | 20.35 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 19975 | 1RB#0  | 23.85 | 25.32 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 19975 | 1RB#12 | 24.13 | 25.6  | 30 | PASS |
| Band4 | 5MHz | QPSK   | 19975 | 1RB#24 | 24.01 | 25.48 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 19975 | 25RB#0 | 22.97 | 24.44 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20175 | 1RB#0  | 23.95 | 25.42 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20175 | 1RB#12 | 24    | 25.47 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20175 | 1RB#24 | 23.85 | 25.32 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20175 | 25RB#0 | 22.95 | 24.42 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20375 | 1RB#0  | 23.83 | 25.3  | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20375 | 1RB#12 | 24.04 | 25.51 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20375 | 1RB#24 | 23.95 | 25.42 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20375 | 25RB#0 | 22.83 | 24.3  | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 19975 | 1RB#0  | 22.91 | 24.38 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 19975 | 1RB#12 | 23.29 | 24.76 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 19975 | 1RB#24 | 22.83 | 24.3  | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 19975 | 25RB#0 | 21.95 | 23.42 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20175 | 1RB#0  | 23.09 | 24.56 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20175 | 1RB#12 | 22.97 | 24.44 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20175 | 1RB#24 | 23.04 | 24.51 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20175 | 25RB#0 | 21.92 | 23.39 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20375 | 1RB#0  | 23    | 24.47 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20375 | 1RB#12 | 23.15 | 24.62 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20375 | 1RB#24 | 23.11 | 24.58 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20375 | 25RB#0 | 21.89 | 23.36 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 19975 | 1RB#0  | 22.01 | 23.48 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 19975 | 1RB#12 | 22.17 | 23.64 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 19975 | 1RB#24 | 22.07 | 23.54 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 19975 | 25RB#0 | 20.94 | 22.41 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 20175 | 1RB#0  | 22.01 | 23.48 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 20175 | 1RB#12 | 22.19 | 23.66 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 20175 | 1RB#24 | 22.02 | 23.49 | 30 | PASS |



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| Band4 | 5MHz  | 64QAM  | 20175 | 25RB#0 | 20.93 | 22.4  | 30 | PASS |
| Band4 | 5MHz  | 64QAM  | 20375 | 1RB#0  | 22.02 | 23.49 | 30 | PASS |
| Band4 | 5MHz  | 64QAM  | 20375 | 1RB#12 | 22.09 | 23.56 | 30 | PASS |
| Band4 | 5MHz  | 64QAM  | 20375 | 1RB#24 | 22.11 | 23.58 | 30 | PASS |
| Band4 | 5MHz  | 64QAM  | 20375 | 25RB#0 | 20.84 | 22.31 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 19975 | 1RB#0  | 18.9  | 20.37 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 19975 | 1RB#12 | 19.09 | 20.56 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 19975 | 1RB#24 | 19.08 | 20.55 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 19975 | 25RB#0 | 18.97 | 20.44 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20175 | 1RB#0  | 18.9  | 20.37 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20175 | 1RB#12 | 19.17 | 20.64 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20175 | 1RB#24 | 18.93 | 20.4  | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20175 | 25RB#0 | 18.81 | 20.28 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20375 | 1RB#0  | 18.77 | 20.24 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20375 | 1RB#12 | 18.99 | 20.46 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20375 | 1RB#24 | 18.96 | 20.43 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20375 | 25RB#0 | 18.88 | 20.35 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20000 | 1RB#0  | 24.1  | 25.57 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20000 | 1RB#24 | 23.93 | 25.4  | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20000 | 1RB#49 | 23.84 | 25.31 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20000 | 50RB#0 | 22.97 | 24.44 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20175 | 1RB#0  | 23.89 | 25.36 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20175 | 1RB#24 | 23.92 | 25.39 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20175 | 1RB#49 | 23.89 | 25.36 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20175 | 50RB#0 | 22.95 | 24.42 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20350 | 1RB#0  | 23.71 | 25.18 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20350 | 1RB#24 | 23.97 | 25.44 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20350 | 1RB#49 | 23.87 | 25.34 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20350 | 50RB#0 | 22.9  | 24.37 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20000 | 1RB#0  | 23.11 | 24.58 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20000 | 1RB#24 | 23.03 | 24.5  | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20000 | 1RB#49 | 23.2  | 24.67 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20000 | 50RB#0 | 22.03 | 23.5  | 30 | PASS |



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|-------|-------|--------|-------|--------|-------|-------|----|------|
| Band4 | 10MHz | 16QAM  | 20175 | 1RB#0  | 22.95 | 24.42 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20175 | 1RB#24 | 23.11 | 24.58 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20175 | 1RB#49 | 23.01 | 24.48 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20175 | 50RB#0 | 21.94 | 23.41 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 1RB#0  | 22.84 | 24.31 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 1RB#24 | 23.01 | 24.48 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 1RB#49 | 22.96 | 24.43 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 50RB#0 | 21.95 | 23.42 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 1RB#0  | 22.12 | 23.59 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 1RB#24 | 22.24 | 23.71 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 1RB#49 | 22.23 | 23.7  | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 50RB#0 | 21.03 | 22.5  | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20175 | 1RB#0  | 22.28 | 23.75 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20175 | 1RB#24 | 22.22 | 23.69 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20175 | 1RB#49 | 22.09 | 23.56 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20175 | 50RB#0 | 20.92 | 22.39 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 1RB#0  | 22.02 | 23.49 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 1RB#24 | 22.14 | 23.61 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 1RB#49 | 22.03 | 23.5  | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 50RB#0 | 20.94 | 22.41 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 1RB#0  | 18.96 | 20.43 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 1RB#24 | 19.08 | 20.55 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 1RB#49 | 18.9  | 20.37 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 50RB#0 | 19    | 20.47 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 1RB#0  | 19.04 | 20.51 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 1RB#24 | 18.98 | 20.45 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 1RB#49 | 19.15 | 20.62 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 50RB#0 | 18.94 | 20.41 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 1RB#0  | 18.89 | 20.36 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 1RB#24 | 18.96 | 20.43 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 1RB#49 | 18.98 | 20.45 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 50RB#0 | 18.91 | 20.38 | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20025 | 1RB#0  | 23.54 | 25.01 | 30 | PASS |



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| Band4 | 15MHz | QPSK  | 20025 | 1RB#38 | 23.96 | 25.43 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#74 | 23.88 | 25.35 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0 | 22.89 | 24.36 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0  | 23.84 | 25.31 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#38 | 23.75 | 25.22 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#74 | 23.88 | 25.35 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0 | 22.73 | 24.2  | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0  | 23.94 | 25.41 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#38 | 23.81 | 25.28 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#74 | 24.01 | 25.48 | 30 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0 | 22.8  | 24.27 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0  | 22.9  | 24.37 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38 | 22.85 | 24.32 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74 | 22.89 | 24.36 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 21.88 | 23.35 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0  | 22.75 | 24.22 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38 | 22.94 | 24.41 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74 | 22.9  | 24.37 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 21.78 | 23.25 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0  | 22.75 | 24.22 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38 | 22.81 | 24.28 | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74 | 23.03 | 24.5  | 30 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 21.75 | 23.22 | 30 | PASS |
| Band4 | 15MHz | 64QAM | 20025 | 1RB#0  | 21.87 | 23.34 | 30 | PASS |
| Band4 | 15MHz | 64QAM | 20025 | 1RB#38 | 21.99 | 23.46 | 30 | PASS |
| Band4 | 15MHz | 64QAM | 20025 | 1RB#74 | 22.1  | 23.57 | 30 | PASS |
| Band4 | 15MHz | 64QAM | 20025 | 75RB#0 | 20.89 | 22.36 | 30 | PASS |
| Band4 | 15MHz | 64QAM | 20175 | 1RB#0  | 21.9  | 23.37 | 30 | PASS |
| Band4 | 15MHz | 64QAM | 20175 | 1RB#38 | 22.07 | 23.54 | 30 | PASS |
| Band4 | 15MHz | 64QAM | 20175 | 1RB#74 | 21.89 | 23.36 | 30 | PASS |
| Band4 | 15MHz | 64QAM | 20175 | 75RB#0 | 20.73 | 22.2  | 30 | PASS |
| Band4 | 15MHz | 64QAM | 20325 | 1RB#0  | 21.97 | 23.44 | 30 | PASS |
| Band4 | 15MHz | 64QAM | 20325 | 1RB#38 | 21.8  | 23.27 | 30 | PASS |



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| Band4 | 15MHz | 64QAM  | 20325 | 1RB#74  | 21.85 | 23.32 | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20325 | 75RB#0  | 20.8  | 22.27 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 1RB#0   | 18.56 | 20.03 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 1RB#38  | 18.97 | 20.44 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 1RB#74  | 18.73 | 20.2  | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 75RB#0  | 18.87 | 20.34 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 1RB#0   | 19.01 | 20.48 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 1RB#38  | 18.76 | 20.23 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 1RB#74  | 19.07 | 20.54 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 75RB#0  | 18.75 | 20.22 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 1RB#0   | 18.71 | 20.18 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 1RB#38  | 18.9  | 20.37 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 1RB#74  | 19.14 | 20.61 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 75RB#0  | 18.82 | 20.29 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 1RB#0   | 23.66 | 25.13 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 1RB#49  | 23.82 | 25.29 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 1RB#99  | 23.87 | 25.34 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 100RB#0 | 22.9  | 24.37 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 1RB#0   | 23.69 | 25.16 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 1RB#49  | 23.69 | 25.16 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 1RB#99  | 23.95 | 25.42 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 100RB#0 | 22.75 | 24.22 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 1RB#0   | 23.72 | 25.19 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 1RB#49  | 23.7  | 25.17 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 1RB#99  | 24.1  | 25.57 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 100RB#0 | 22.78 | 24.25 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 1RB#0   | 22.73 | 24.2  | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 1RB#49  | 23.29 | 24.76 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 1RB#99  | 22.96 | 24.43 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 100RB#0 | 21.85 | 23.32 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20175 | 1RB#0   | 22.78 | 24.25 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20175 | 1RB#49  | 22.85 | 24.32 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20175 | 1RB#99  | 22.89 | 24.36 | 30 | PASS |



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| Band4 | 20MHz | 16QAM  | 20175 | 100RB#0 | 21.8  | 23.27 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20300 | 1RB#0   | 22.89 | 24.36 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20300 | 1RB#49  | 22.8  | 24.27 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20300 | 1RB#99  | 23    | 24.47 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20300 | 100RB#0 | 21.73 | 23.2  | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 1RB#0   | 21.77 | 23.24 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 1RB#49  | 22.07 | 23.54 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 1RB#99  | 22.01 | 23.48 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 100RB#0 | 20.92 | 22.39 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 1RB#0   | 22.05 | 23.52 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 1RB#49  | 21.95 | 23.42 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 1RB#99  | 22.03 | 23.5  | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 100RB#0 | 20.78 | 22.25 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20300 | 1RB#0   | 21.96 | 23.43 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20300 | 1RB#49  | 22.15 | 23.62 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20300 | 1RB#99  | 22.13 | 23.6  | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20300 | 100RB#0 | 20.69 | 22.16 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 1RB#0   | 18.71 | 20.18 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 1RB#49  | 18.8  | 20.27 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 1RB#99  | 19.12 | 20.59 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 100RB#0 | 18.87 | 20.34 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 1RB#0   | 18.71 | 20.18 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 1RB#49  | 18.89 | 20.36 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 1RB#99  | 19.03 | 20.5  | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 100RB#0 | 18.77 | 20.24 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 1RB#0   | 18.7  | 20.17 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 1RB#49  | 18.73 | 20.2  | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 1RB#99  | 18.91 | 20.38 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 100RB#0 | 18.68 | 20.15 | 30 | PASS |



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## Peak-to-Average Ratio(CCDF)

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band4 | 20MHz     | QPSK       | 20050   | 100RB#0          | 5.42       | 13        | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0          | 5.22       | 13        | PASS    |
| Band4 | 20MHz     | QPSK       | 20300   | 100RB#0          | 5.34       | 13        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20050   | 100RB#0          | 6.36       | 13        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20175   | 100RB#0          | 5.94       | 13        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20300   | 100RB#0          | 5.94       | 13        | PASS    |
| Band4 | 20MHz     | 64QAM      | 20050   | 100RB#0          | 6.90       | 13        | PASS    |
| Band4 | 20MHz     | 64QAM      | 20175   | 100RB#0          | 6.54       | 13        | PASS    |
| Band4 | 20MHz     | 64QAM      | 20300   | 100RB#0          | 6.46       | 13        | PASS    |
| Band4 | 20MHz     | 256QAM     | 20050   | 100RB#0          | 7.20       | 13        | PASS    |
| Band4 | 20MHz     | 256QAM     | 20175   | 100RB#0          | 7.08       | 13        | PASS    |
| Band4 | 20MHz     | 256QAM     | 20300   | 100RB#0          | 7.12       | 13        | PASS    |



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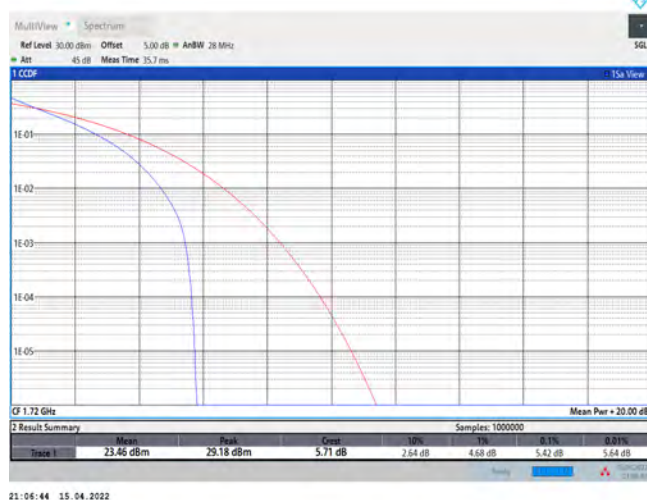
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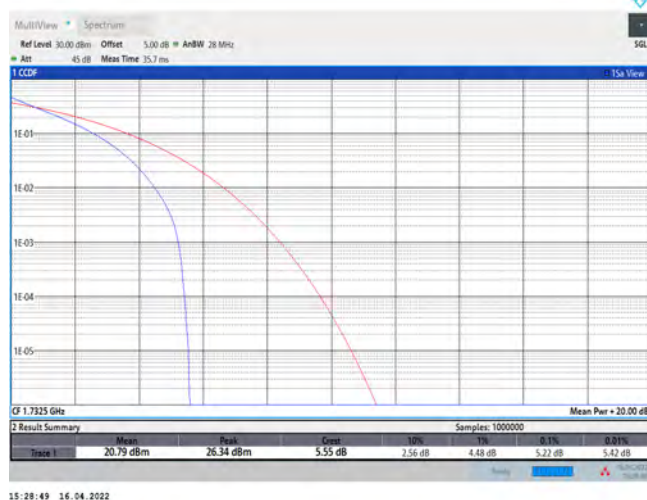
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### Test Graphs

Band4-20MHz-QPSK-20050-100RB#0



Band4-20MHz-QPSK-20175-100RB#0



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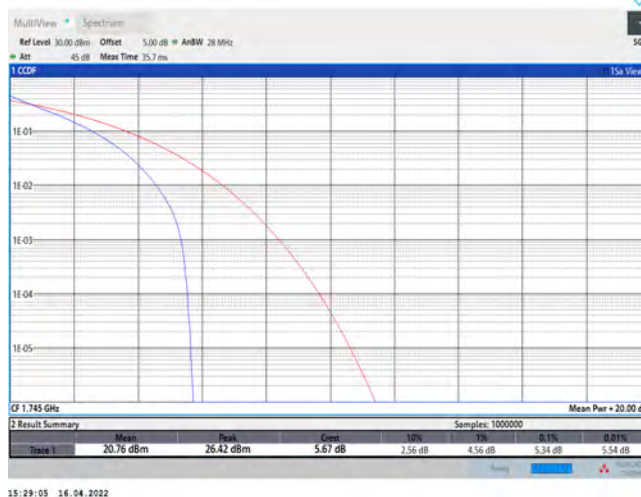
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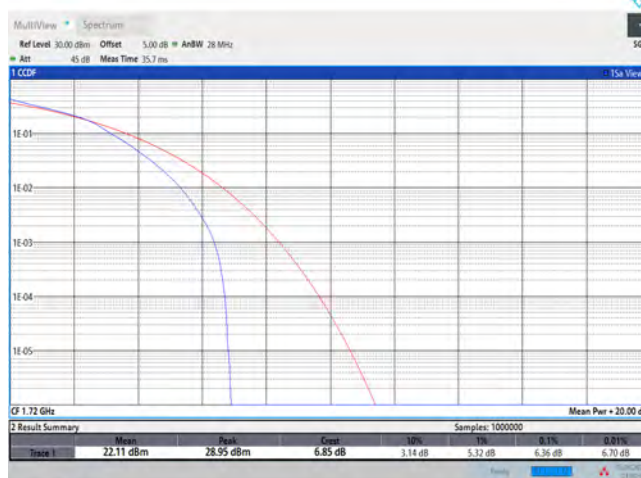
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### Band4-20MHz-QPSK-20300-100RB#0



15:29:05 16.04.2022

### Band4-20MHz-16QAM-20050-100RB#0



21:07:01 15.04.2022



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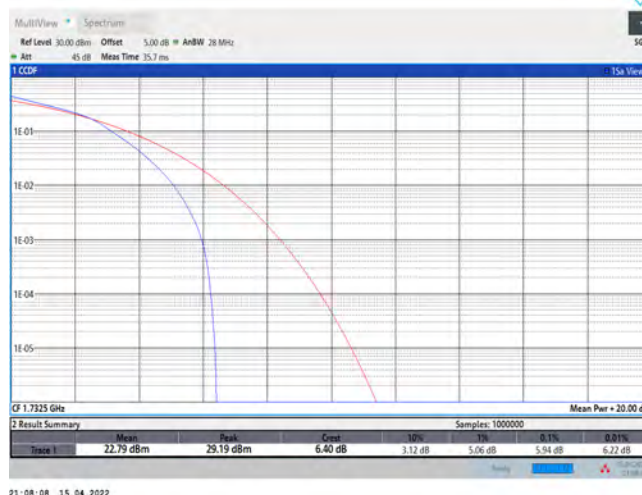
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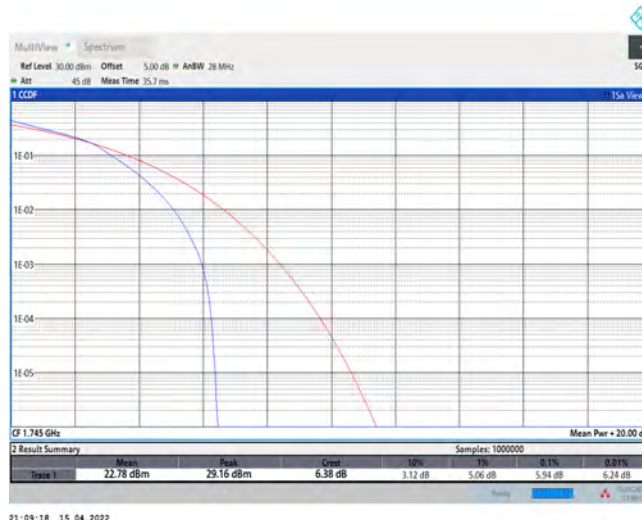
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### Band4-20MHz-16QAM-20175-100RB#0



### Band4-20MHz-16QAM-20300-100RB#0



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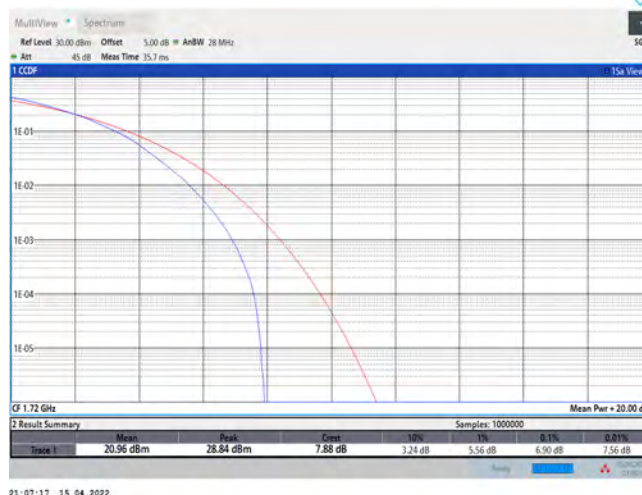
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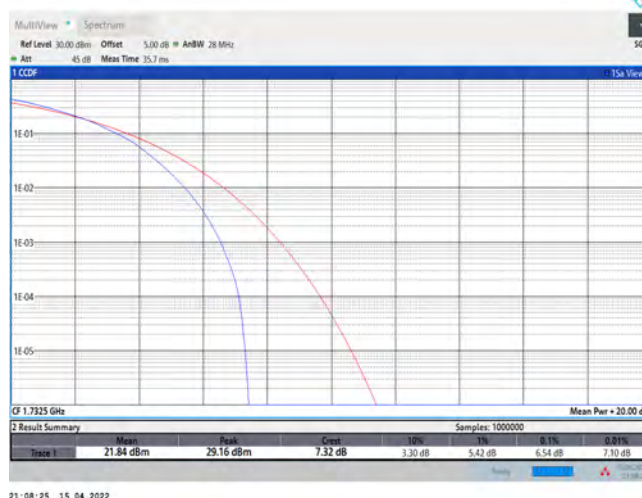
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### Band4-20MHz-64QAM-20050-100RB#0



### Band4-20MHz-64QAM-20175-100RB#0



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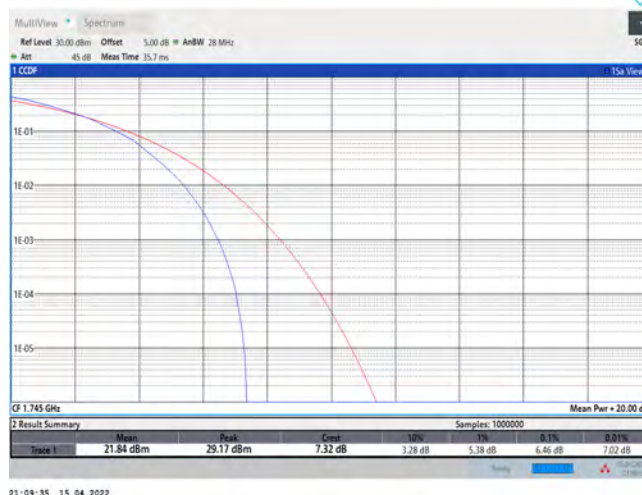
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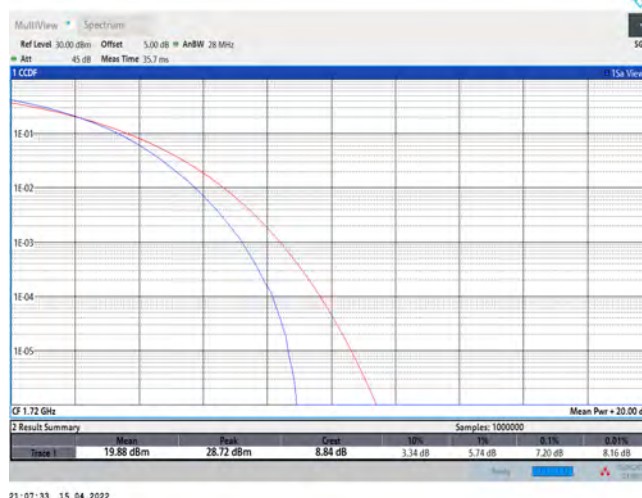
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### Band4-20MHz-64QAM-20300-100RB#0



### Band4-20MHz-256QAM-20050-100RB#0



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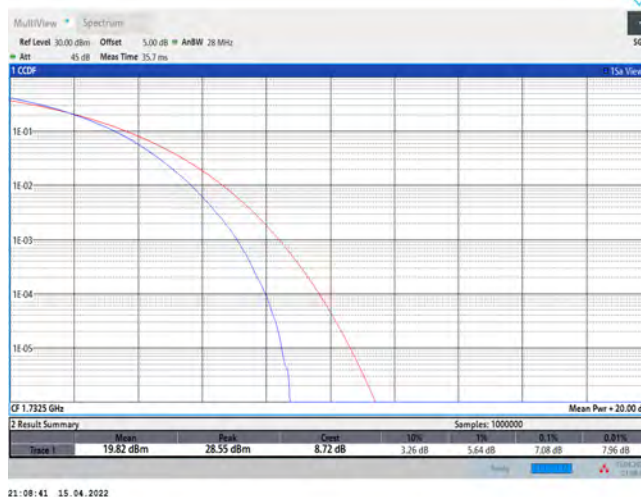
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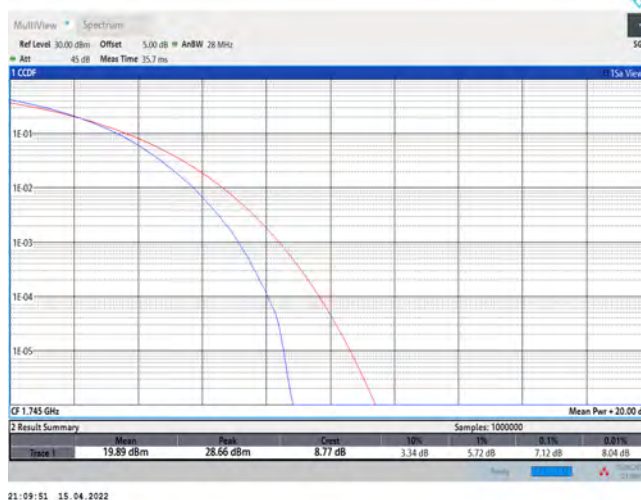
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### Band4-20MHz-256QAM-20175-100RB#0



### Band4-20MHz-256QAM-20300-100RB#0



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## Modulation Characteristics

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result | Verdict |
|-------|-----------|------------|---------|------------------|--------|---------|
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0          | PASS   | PASS    |
| Band4 | 20MHz     | 16QAM      | 20175   | 100RB#0          | PASS   | PASS    |
| Band4 | 20MHz     | 64QAM      | 20175   | 100RB#0          | PASS   | PASS    |
| Band4 | 20MHz     | 256QAM     | 20175   | 100RB#0          | PASS   | PASS    |



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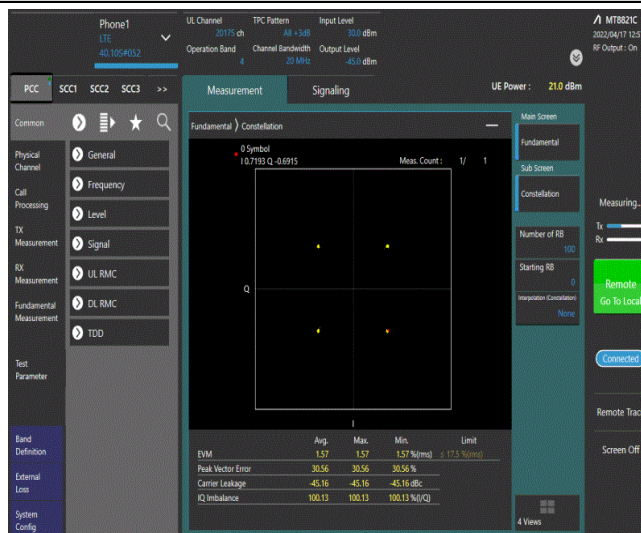
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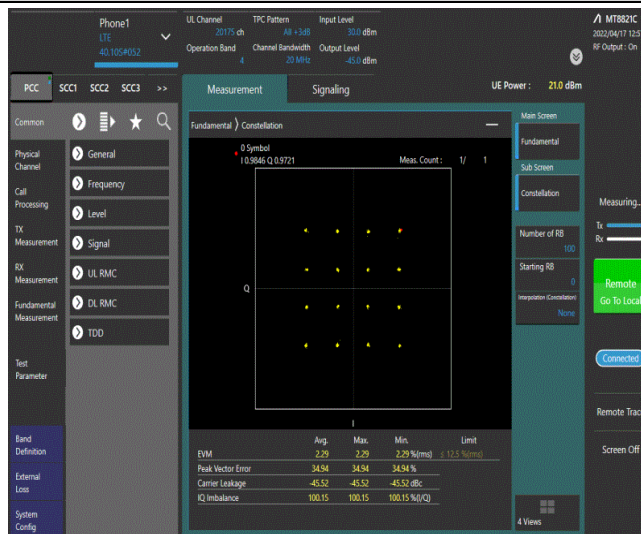
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### Test Graphs

Band4-20MHz-QPSK-20175-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



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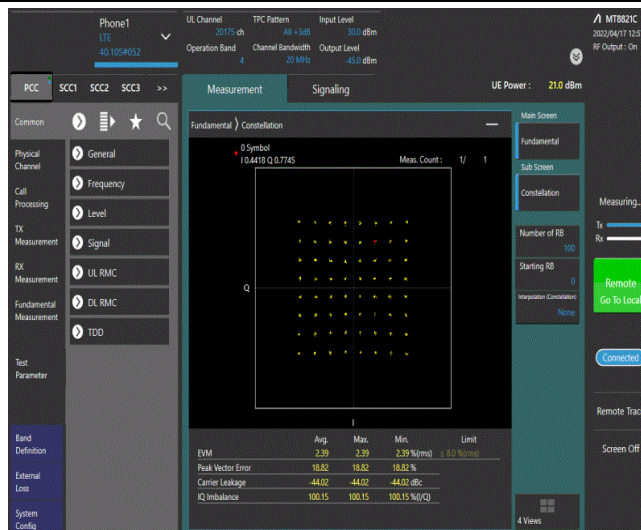
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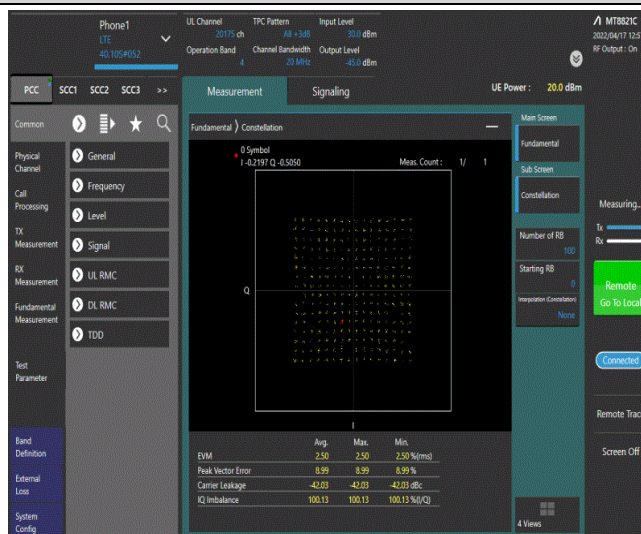
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### Band4-20MHz-64QAM-20175-100RB#0



### Band4-20MHz-256QAM-20175-100RB#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 |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 1.108                    | 1.37                 | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 1.108                    | 1.37                 | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 1.105                    | 1.37                 | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 1.109                    | 1.44                 | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 1.107                    | 1.40                 | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 1.110                    | 1.39                 | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 6RB#0            | 1.109                    | 1.38                 | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20175   | 6RB#0            | 1.109                    | 1.40                 | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20393   | 6RB#0            | 1.109                    | 1.42                 | PASS    |
| Band4 | 1.4MHz    | 256QAM     | 19957   | 6RB#0            | 1.108                    | 1.42                 | PASS    |
| Band4 | 1.4MHz    | 256QAM     | 20175   | 6RB#0            | 1.105                    | 1.39                 | PASS    |
| Band4 | 1.4MHz    | 256QAM     | 20393   | 6RB#0            | 1.106                    | 1.41                 | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 2.692                    | 3.05                 | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 2.697                    | 3.03                 | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 2.694                    | 3.04                 | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 2.706                    | 3.05                 | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 2.699                    | 3.04                 | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 2.700                    | 3.08                 | PASS    |
| Band4 | 3MHz      | 64QAM      | 19965   | 15RB#0           | 2.704                    | 3.04                 | PASS    |
| Band4 | 3MHz      | 64QAM      | 20175   | 15RB#0           | 2.699                    | 3.05                 | PASS    |
| Band4 | 3MHz      | 64QAM      | 20385   | 15RB#0           | 2.701                    | 3.06                 | PASS    |
| Band4 | 3MHz      | 256QAM     | 19965   | 15RB#0           | 2.696                    | 3.05                 | PASS    |
| Band4 | 3MHz      | 256QAM     | 20175   | 15RB#0           | 2.702                    | 3.04                 | PASS    |
| Band4 | 3MHz      | 256QAM     | 20385   | 15RB#0           | 2.702                    | 3.05                 | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 4.480                    | 5.02                 | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 4.478                    | 5.07                 | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 4.477                    | 5.08                 | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 4.483                    | 5.01                 | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 4.480                    | 5.06                 | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 4.482                    | 5.04                 | PASS    |



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|-------|-------|--------|-------|---------|--------|-------|------|
| Band4 | 5MHz  | 64QAM  | 19975 | 25RB#0  | 4.480  | 5.07  | PASS |
| Band4 | 5MHz  | 64QAM  | 20175 | 25RB#0  | 4.484  | 5.05  | PASS |
| Band4 | 5MHz  | 64QAM  | 20375 | 25RB#0  | 4.482  | 5.08  | PASS |
| Band4 | 5MHz  | 256QAM | 19975 | 25RB#0  | 4.482  | 5.06  | PASS |
| Band4 | 5MHz  | 256QAM | 20175 | 25RB#0  | 4.481  | 5.10  | PASS |
| Band4 | 5MHz  | 256QAM | 20375 | 25RB#0  | 4.482  | 5.03  | PASS |
| Band4 | 10MHz | QPSK   | 20000 | 50RB#0  | 8.967  | 9.92  | PASS |
| Band4 | 10MHz | QPSK   | 20175 | 50RB#0  | 8.940  | 9.82  | PASS |
| Band4 | 10MHz | QPSK   | 20350 | 50RB#0  | 8.939  | 9.92  | PASS |
| Band4 | 10MHz | 16QAM  | 20000 | 50RB#0  | 8.963  | 9.88  | PASS |
| Band4 | 10MHz | 16QAM  | 20175 | 50RB#0  | 8.966  | 9.90  | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 50RB#0  | 8.959  | 9.92  | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 50RB#0  | 8.948  | 9.92  | PASS |
| Band4 | 10MHz | 64QAM  | 20175 | 50RB#0  | 8.953  | 9.88  | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 50RB#0  | 8.958  | 9.82  | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 50RB#0  | 8.949  | 9.90  | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 50RB#0  | 8.943  | 9.88  | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 50RB#0  | 8.959  | 9.94  | PASS |
| Band4 | 15MHz | QPSK   | 20025 | 75RB#0  | 13.513 | 15.12 | PASS |
| Band4 | 15MHz | QPSK   | 20175 | 75RB#0  | 13.483 | 14.94 | PASS |
| Band4 | 15MHz | QPSK   | 20325 | 75RB#0  | 13.500 | 15.09 | PASS |
| Band4 | 15MHz | 16QAM  | 20025 | 75RB#0  | 13.510 | 15.00 | PASS |
| Band4 | 15MHz | 16QAM  | 20175 | 75RB#0  | 13.488 | 14.97 | PASS |
| Band4 | 15MHz | 16QAM  | 20325 | 75RB#0  | 13.504 | 15.06 | PASS |
| Band4 | 15MHz | 64QAM  | 20025 | 75RB#0  | 13.502 | 15.00 | PASS |
| Band4 | 15MHz | 64QAM  | 20175 | 75RB#0  | 13.494 | 14.97 | PASS |
| Band4 | 15MHz | 64QAM  | 20325 | 75RB#0  | 13.499 | 15.12 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 75RB#0  | 13.501 | 15.00 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 75RB#0  | 13.471 | 15.03 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 75RB#0  | 13.512 | 15.00 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 100RB#0 | 17.938 | 19.72 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 100RB#0 | 17.885 | 19.60 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 100RB#0 | 17.949 | 19.68 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 100RB#0 | 17.950 | 19.68 | PASS |
| Band4 | 20MHz | 16QAM  | 20175 | 100RB#0 | 17.903 | 19.56 | PASS |
| Band4 | 20MHz | 16QAM  | 20300 | 100RB#0 | 17.940 | 19.52 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 100RB#0 | 17.955 | 19.76 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 100RB#0 | 17.903 | 19.68 | PASS |



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|-------|-------|--------|-------|---------|--------|-------|------|
| Band4 | 20MHz | 64QAM  | 20300 | 100RB#0 | 17.949 | 19.60 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 100RB#0 | 17.986 | 19.88 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 100RB#0 | 17.899 | 19.64 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 100RB#0 | 17.938 | 19.84 | PASS |



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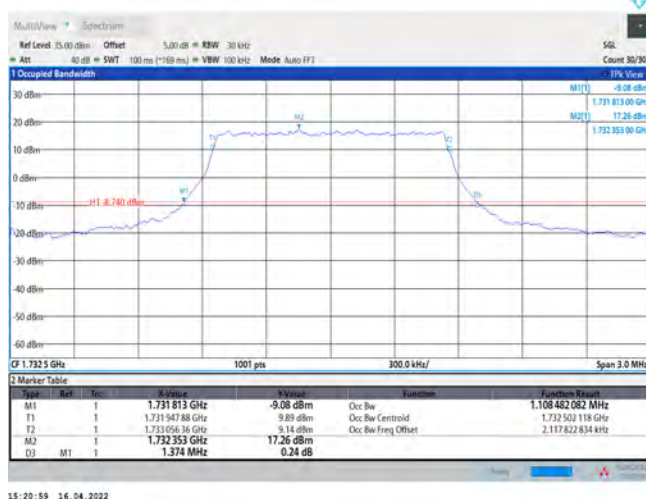
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### Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20175-6RB#0



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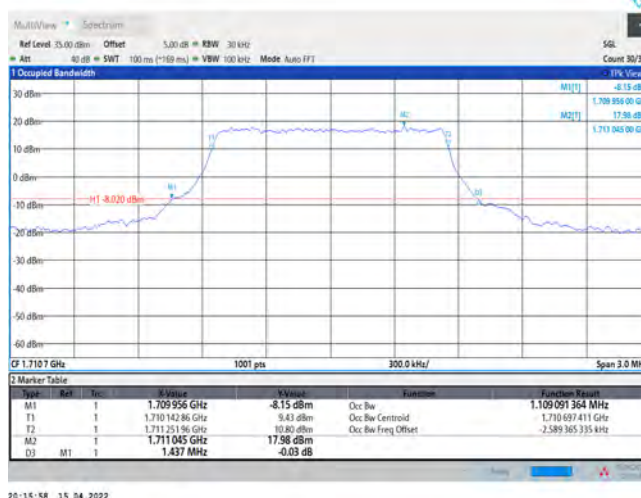
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### Band4-1.4MHz-QPSK-20393-6RB#0



15:21:18 16.04.2022

### Band4-1.4MHz-16QAM-19957-6RB#0



20:15:58 15.04.2022



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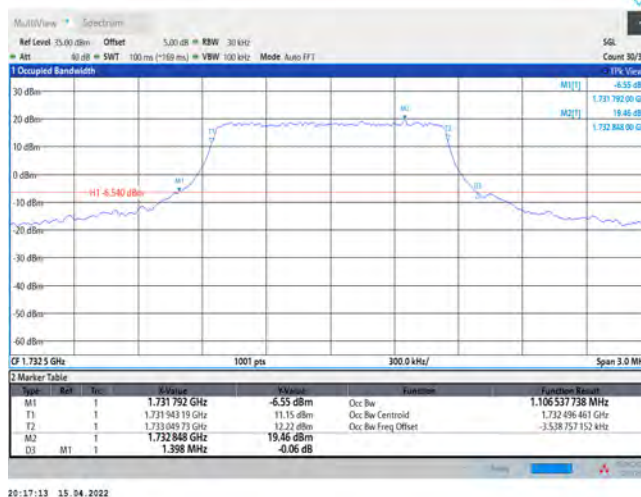
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### Band4-1.4MHz-16QAM-20175-6RB#0



20:17:13 15.04.2022

### Band4-1.4MHz-16QAM-20393-6RB#0



20:18:30 15.04.2022



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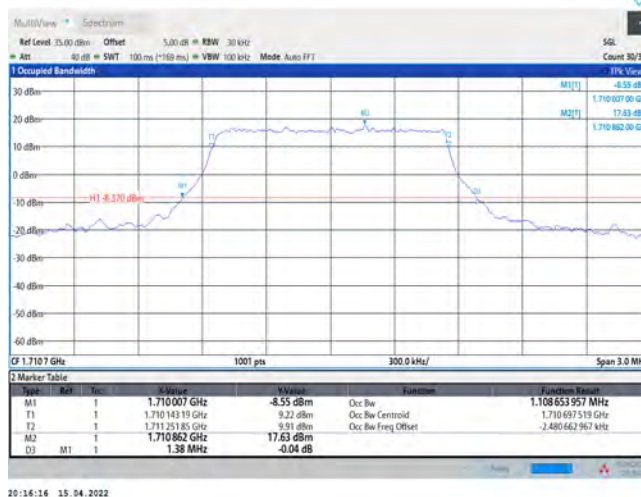
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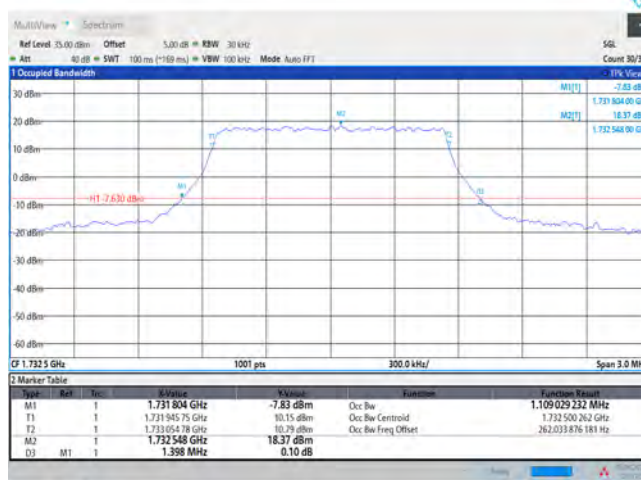
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### Band4-1.4MHz-64QAM-19957-6RB#0



20:14:14 15.04.2022

### Band4-1.4MHz-64QAM-20175-6RB#0



20:17:31 15.04.2022



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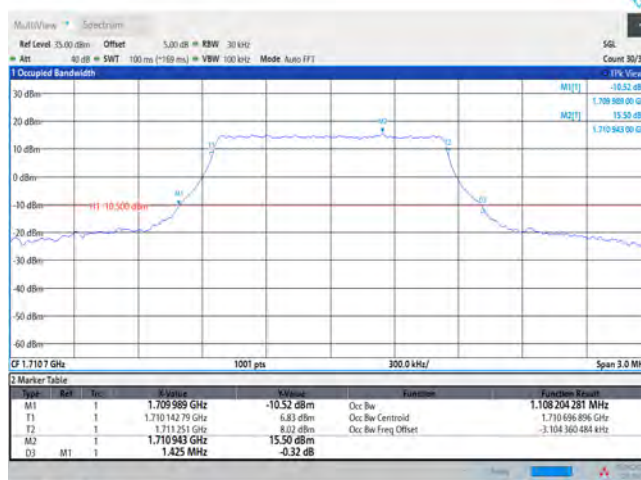
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### Band4-1.4MHz-64QAM-20393-6RB#0



20:18:48 15.04.2022

### Band4-1.4MHz-256QAM-19957-6RB#0



20:16:34 15.04.2022



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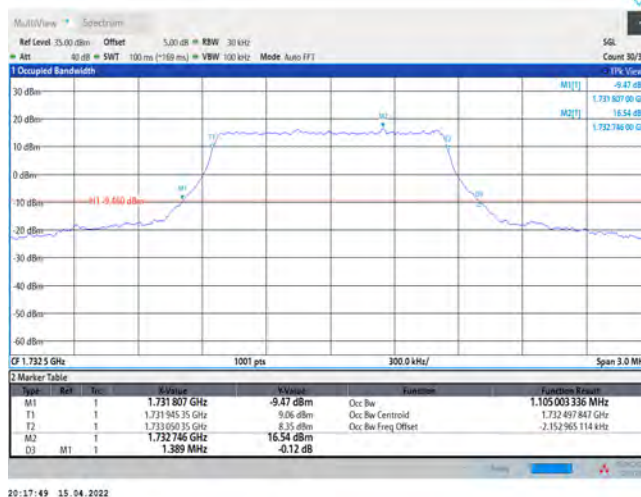
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### Band4-1.4MHz-256QAM-20175-6RB#0



20:17:49 15. 04. 2022

### Band4-1.4MHz-256QAM-20393-6RB#0



20:19:06 15. 04. 2022



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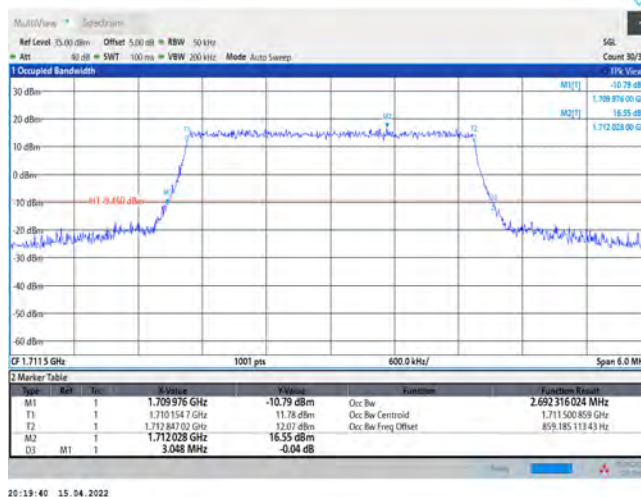
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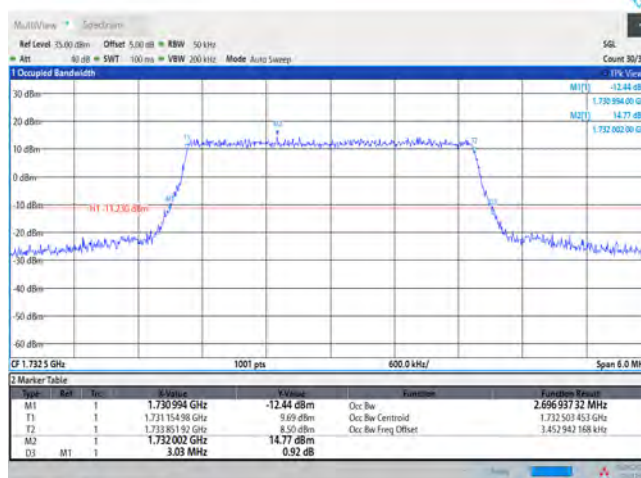
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### Band4-3MHz-QPSK-19965-15RB#0



20:19:40 15.04.2022

### Band4-3MHz-QPSK-20175-15RB#0



18:21:51 16.04.2022



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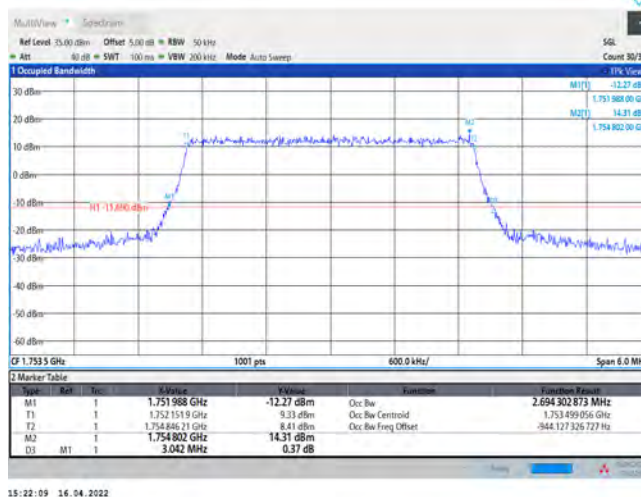
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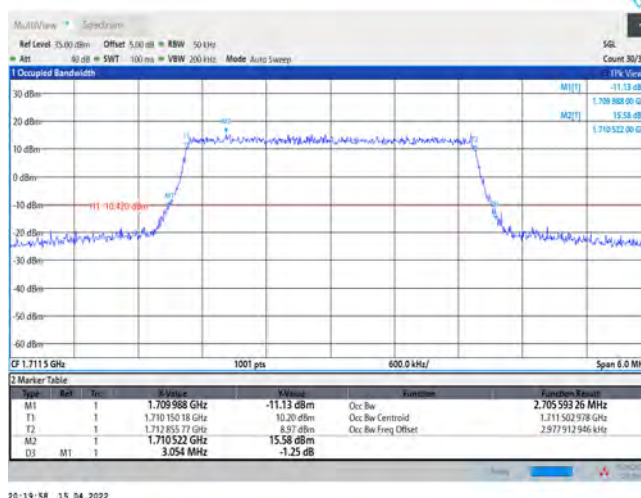
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### Band4-3MHz-QPSK-20385-15RB#0



15:22:09 16.04.2022

### Band4-3MHz-16QAM-19965-15RB#0



20:19:58 15.04.2022



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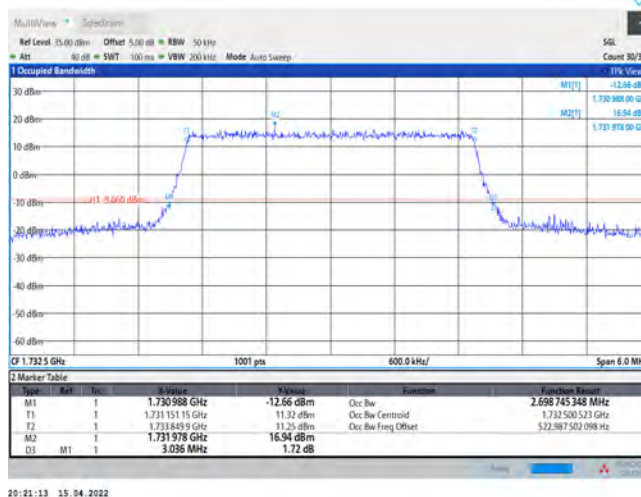
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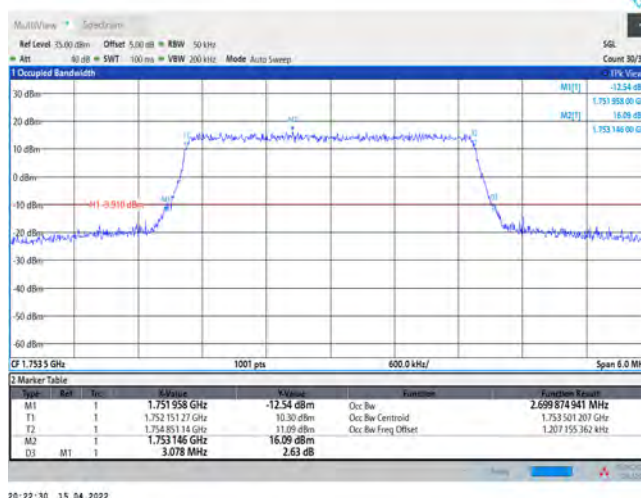
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### Band4-3MHz-16QAM-20175-15RB#0



20:21:13 15.04.2022

### Band4-3MHz-16QAM-20385-15RB#0



20:22:30 15.04.2022



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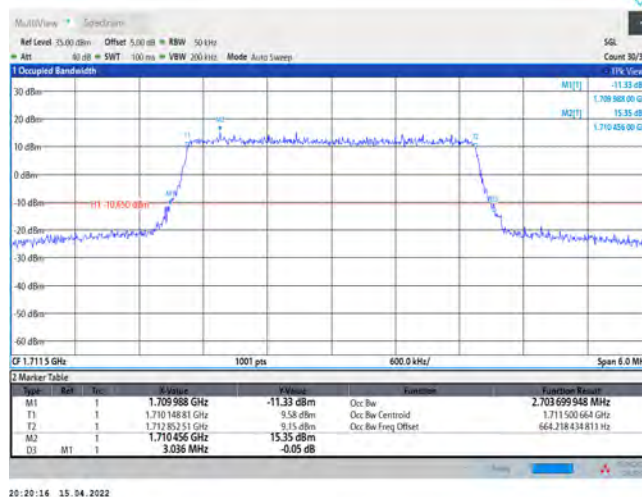
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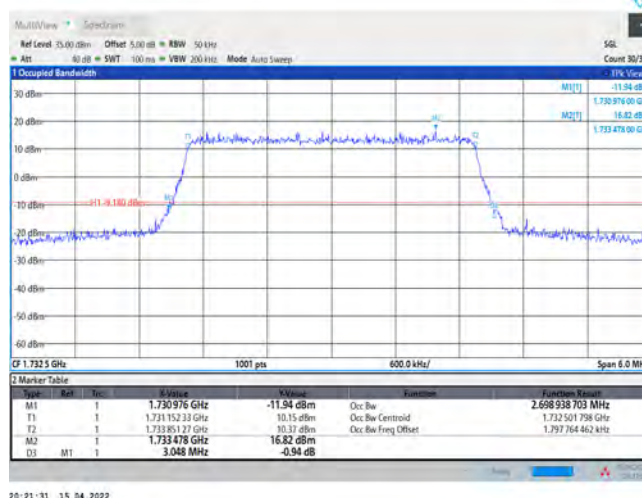
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### Band4-3MHz-64QAM-19965-15RB#0



20:20:16 15.04.2022

### Band4-3MHz-64QAM-20175-15RB#0



20:21:31 15.04.2022



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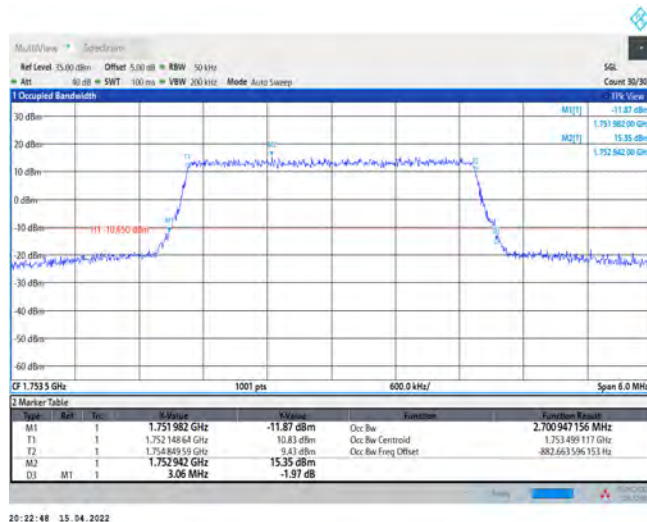
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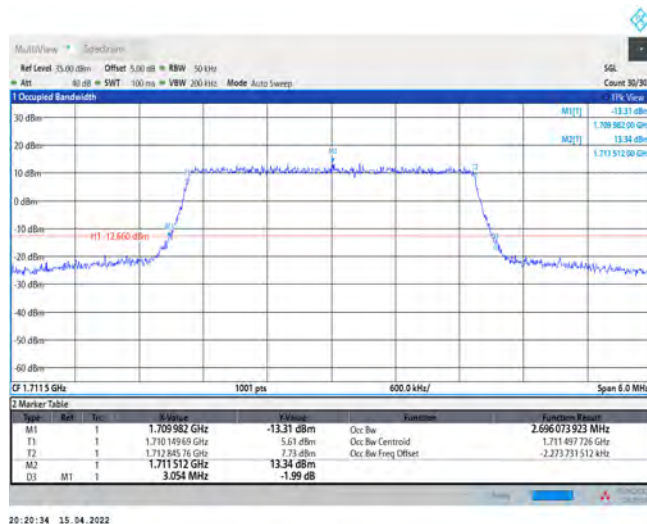
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Band4-3MHz-64QAM-20385-15RB#0



Band4-3MHz-256QAM-19965-15RB#0



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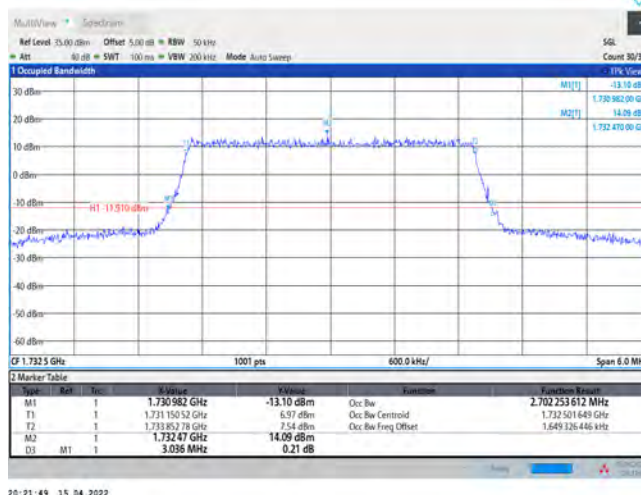
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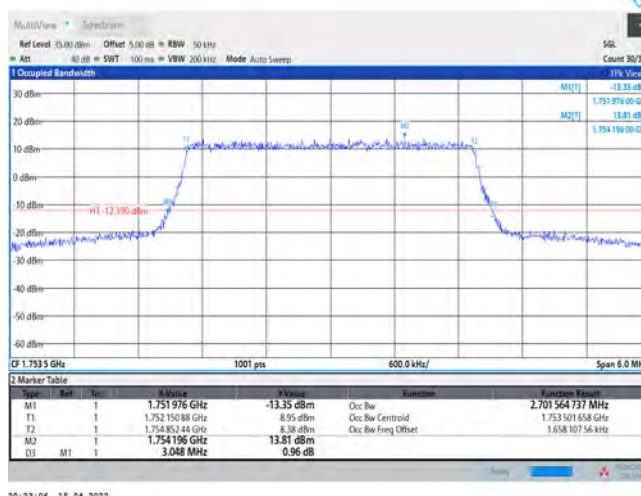
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### Band4-3MHz-256QAM-20175-15RB#0



20:21:49 15.04.2022

### Band4-3MHz-256QAM-20385-15RB#0



20:23:06 15.04.2022



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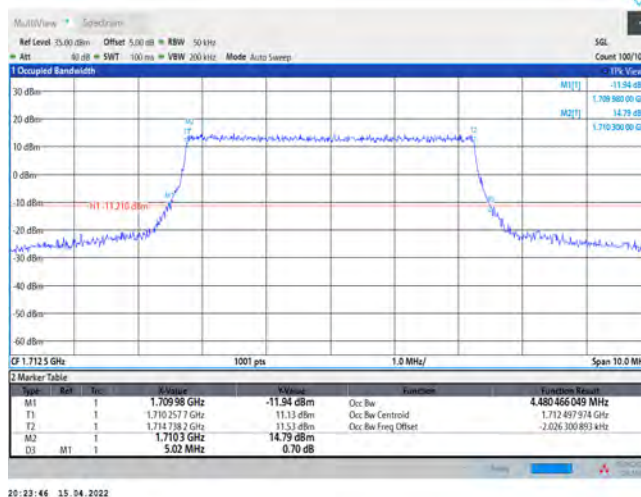
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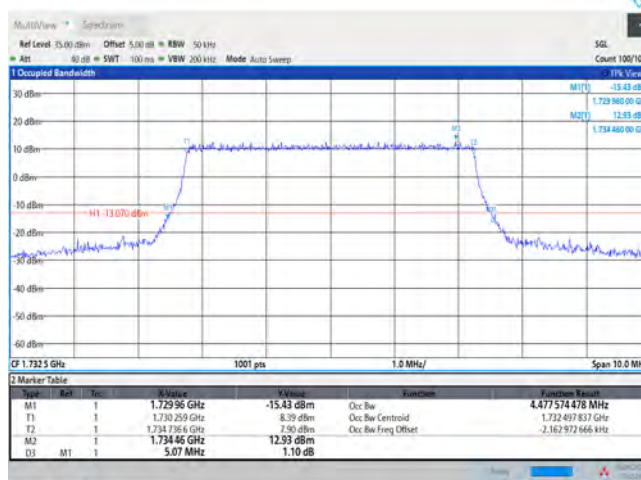
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### Band4-5MHz-QPSK-19975-25RB#0



20:23:46 15.04.2022

### Band4-5MHz-QPSK-20175-25RB#0



18:22:49 16.04.2022



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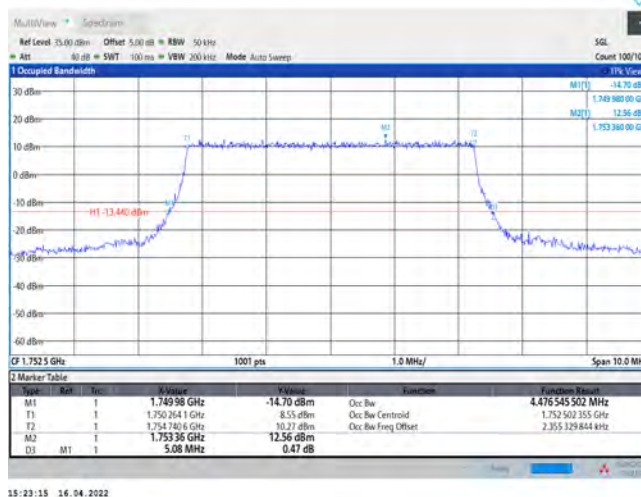
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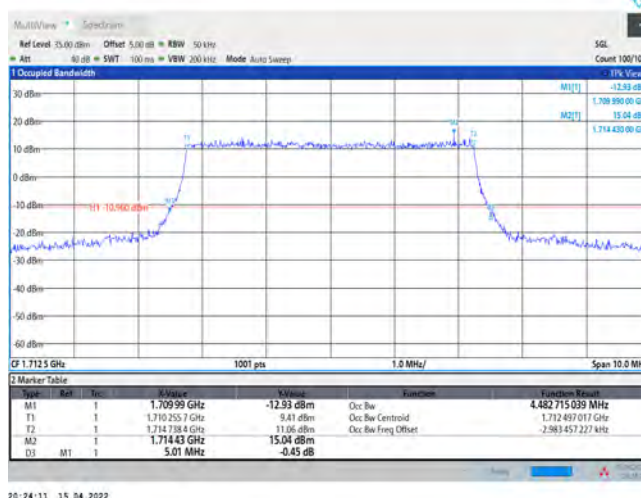
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### Band4-5MHz-QPSK-20375-25RB#0



15:23:15 16.04.2022

### Band4-5MHz-16QAM-19975-25RB#0



20:24:11 15.04.2022



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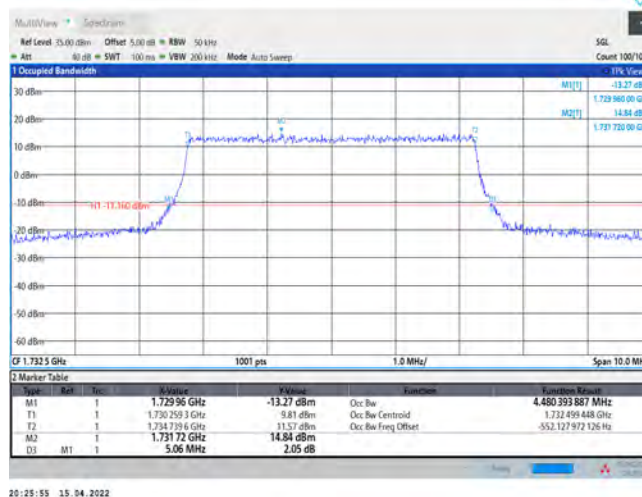
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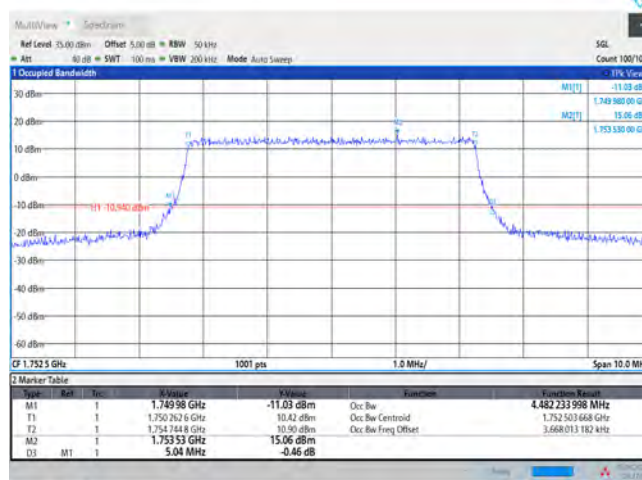
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### Band4-5MHz-16QAM-20175-25RB#0



20:25:55 15.04.2022

### Band4-5MHz-16QAM-20375-25RB#0



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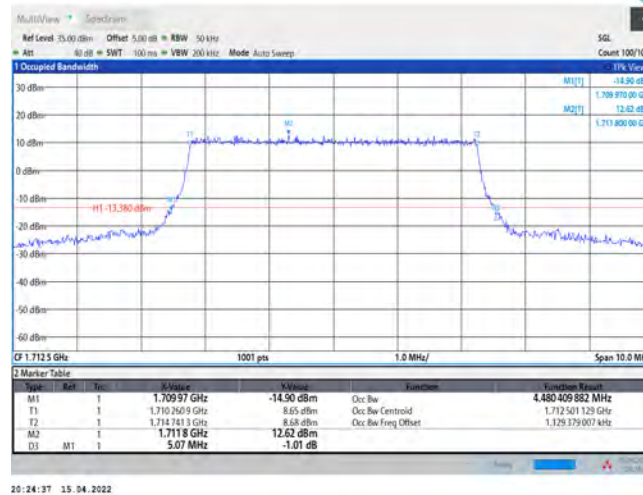
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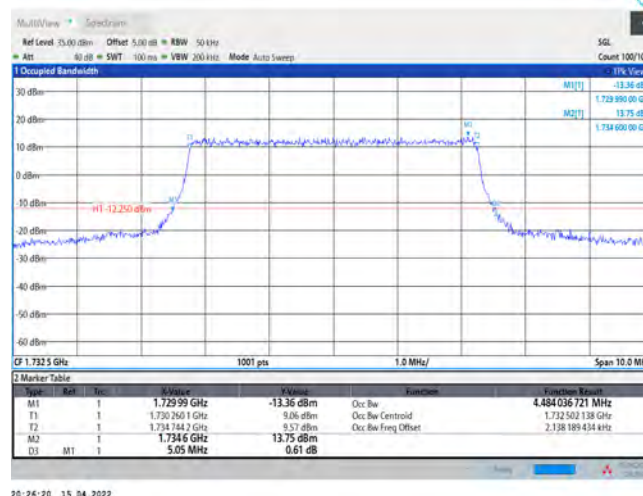
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20:24:37 15.04.2022

### Band4-5MHz-64QAM-20175-25RB#0



20:26:20 15.04.2022



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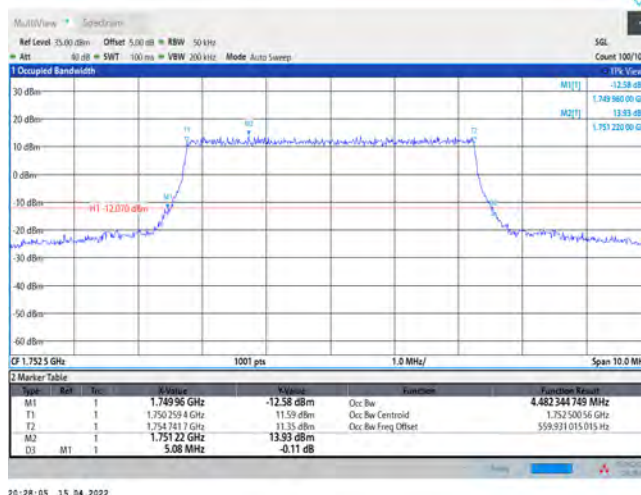
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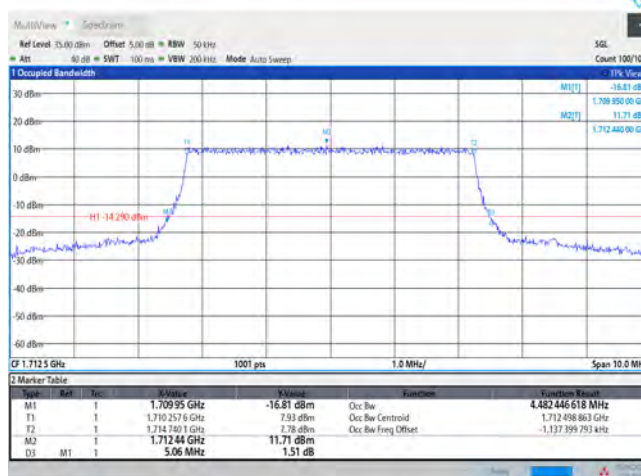
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### Band4-5MHz-64QAM-20375-25RB#0



20:28:05 15.04.2022

### Band4-5MHz-256QAM-19975-25RB#0



20:25:02 15.04.2022



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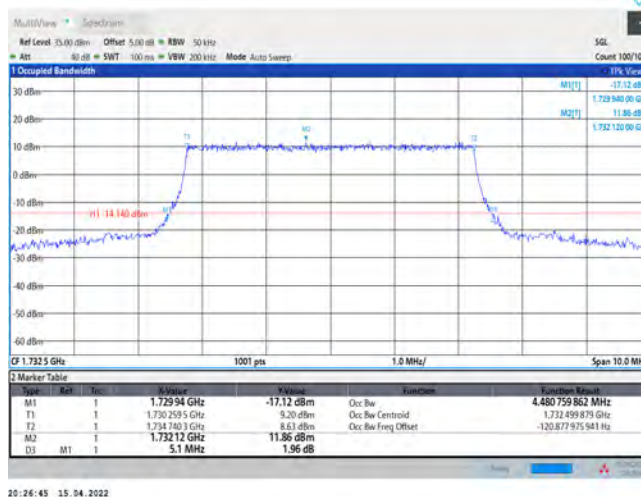
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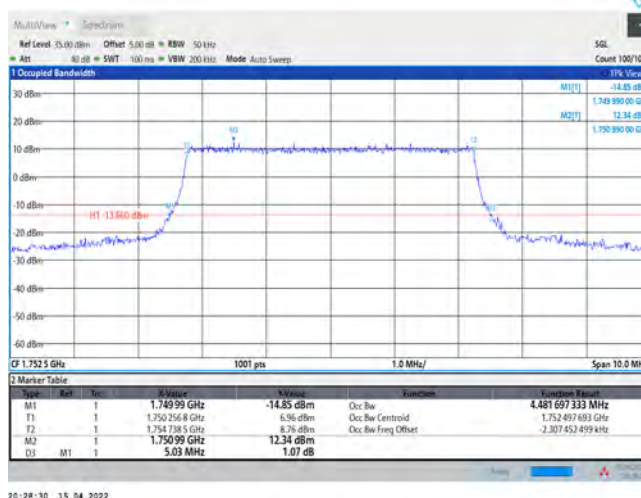
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### Band4-5MHz-256QAM-20175-25RB#0



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### Band4-5MHz-256QAM-20375-25RB#0



20:28:30 15.04.2022



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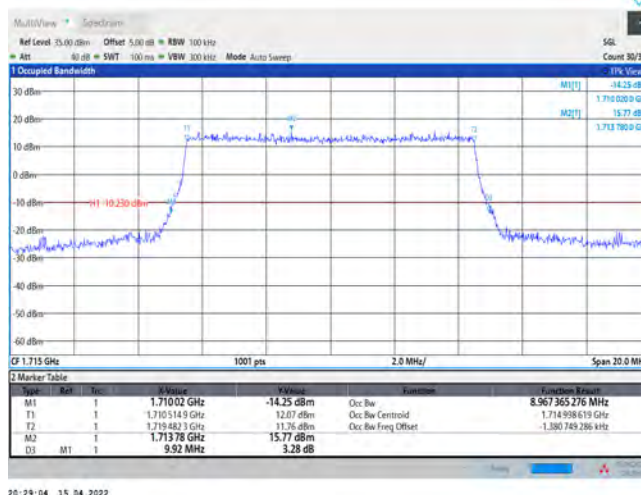
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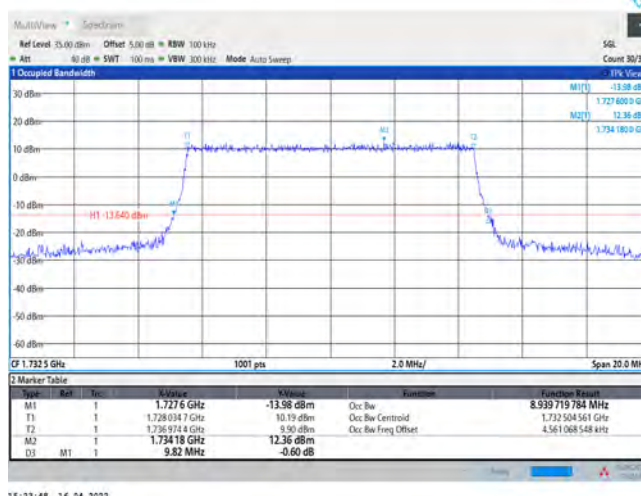
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### Band4-10MHz-QPSK-20000-50RB#0



20:29:04 15.04.2022

### Band4-10MHz-QPSK-20175-50RB#0



15:23:48 16.04.2022



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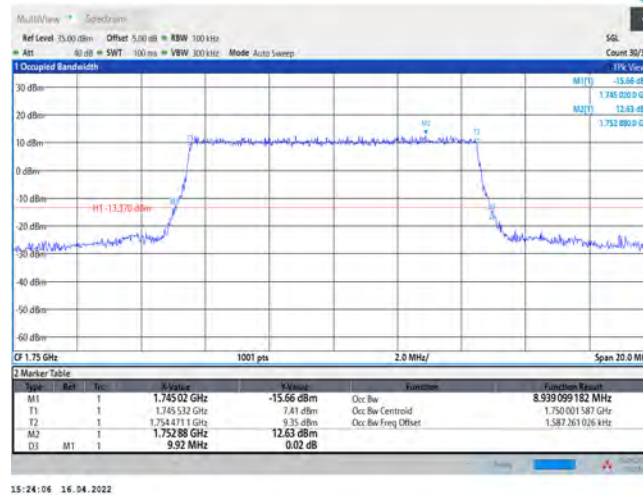
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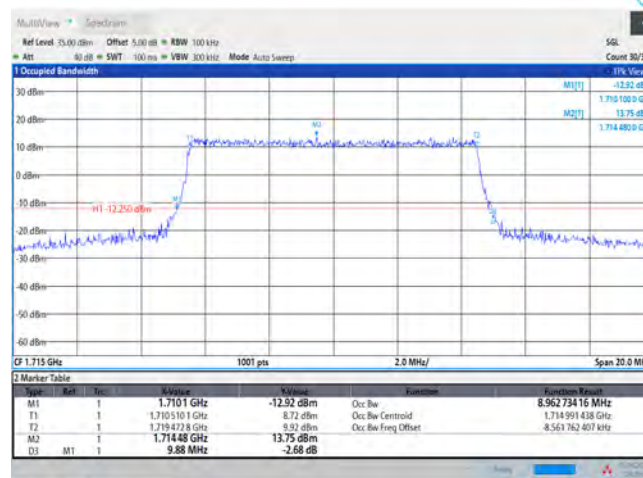
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### Band4-10MHz-QPSK-20350-50RB#0



15:24:06 16.04.2022

### Band4-10MHz-16QAM-20000-50RB#0



20:29:22 15.04.2022



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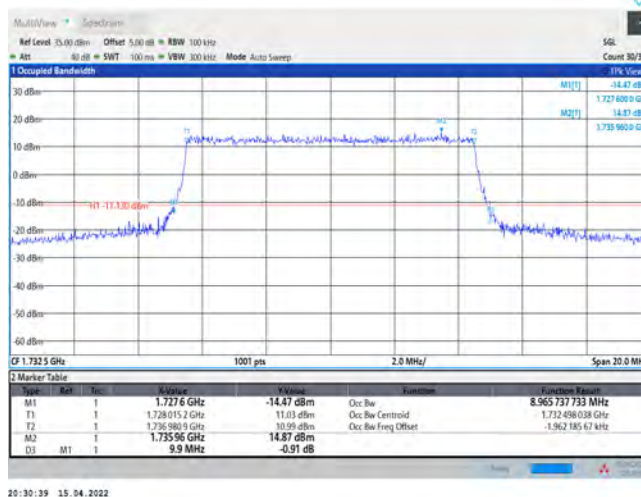
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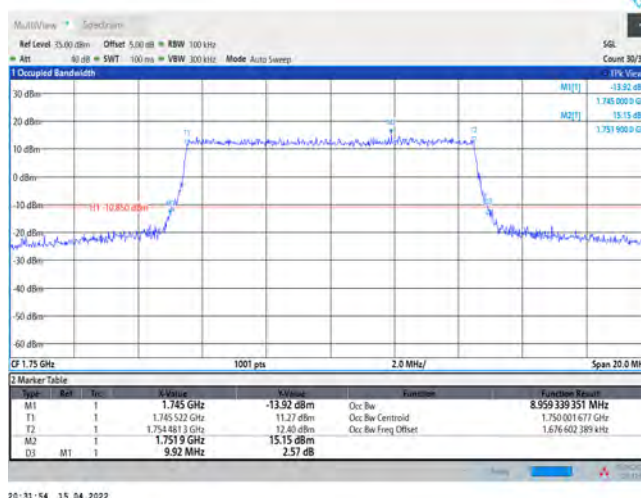
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### Band4-10MHz-16QAM-20175-50RB#0



20:30:39 15.04.2022

### Band4-10MHz-16QAM-20350-50RB#0



20:31:54 15.04.2022



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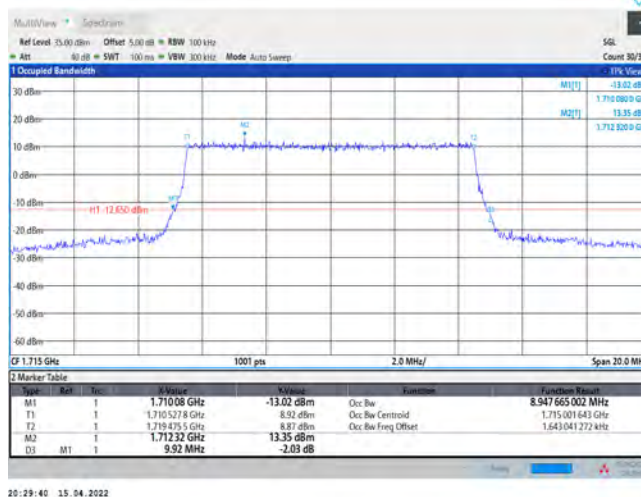
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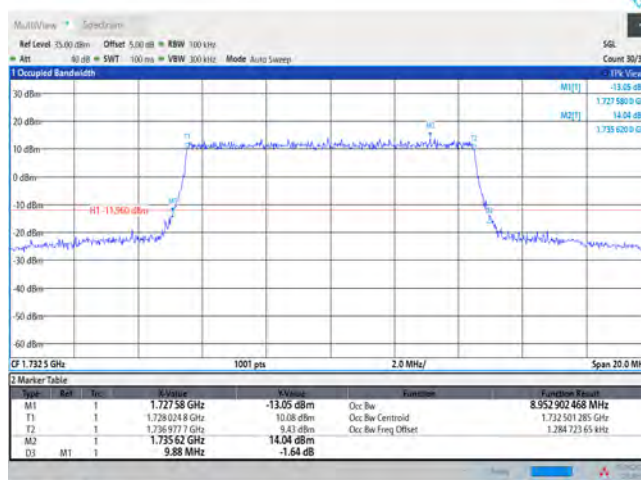
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### Band4-10MHz-64QAM-20000-50RB#0



20:29:40 15.04.2022

### Band4-10MHz-64QAM-20175-50RB#0



20:30:57 15.04.2022



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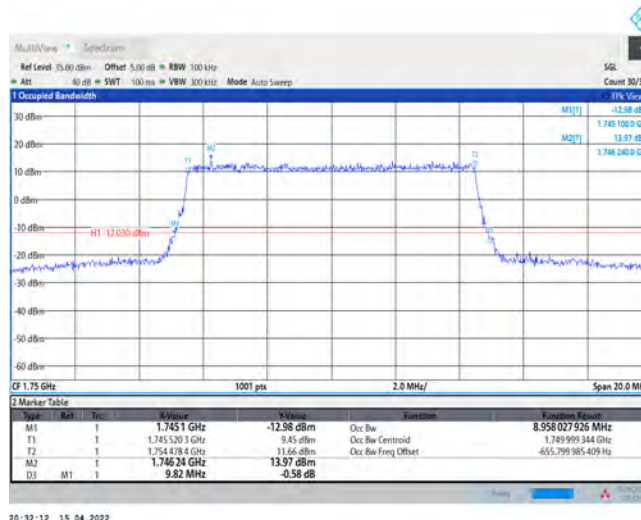
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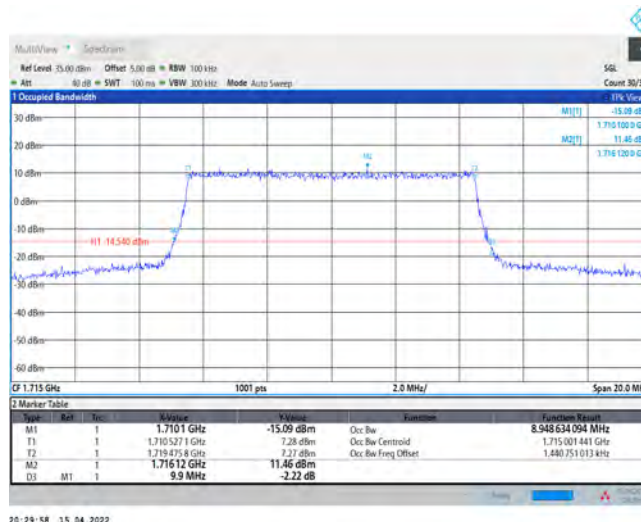
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Band4-10MHz-64QAM-20350-50RB#0



## Band4-10MHz-256QAM-20000-50RB#0



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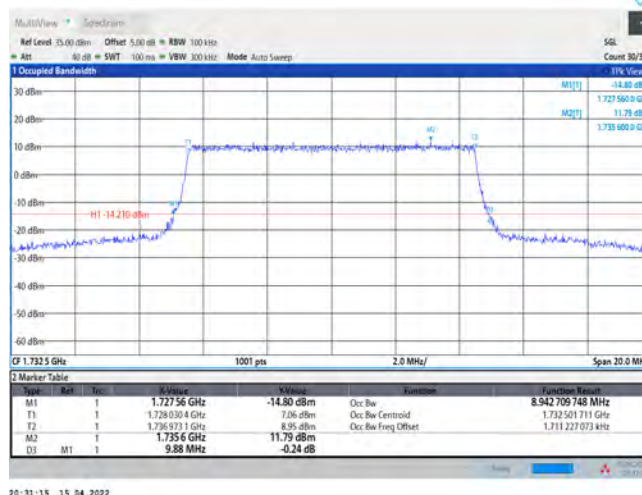
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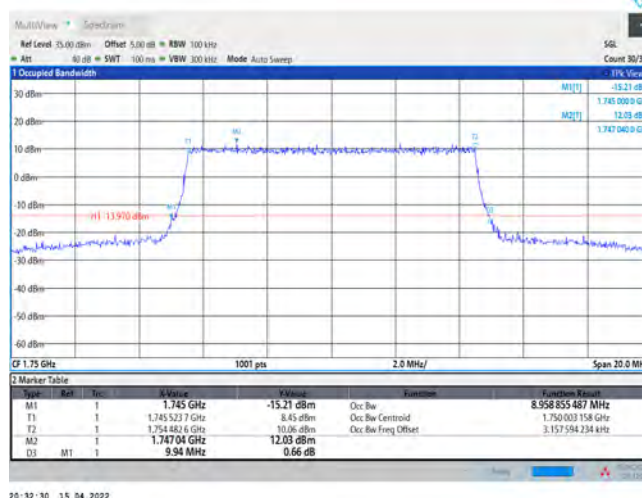
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### Band4-10MHz-256QAM-20175-50RB#0



### Band4-10MHz-256QAM-20350-50RB#0



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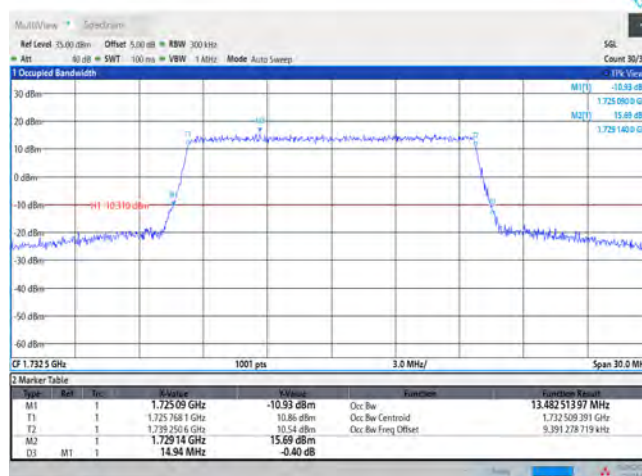
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### Band4-15MHz-QPSK-20025-75RB#0



20:33:03 15.04.2022

### Band4-15MHz-QPSK-20175-75RB#0



18:24:42 16.04.2022



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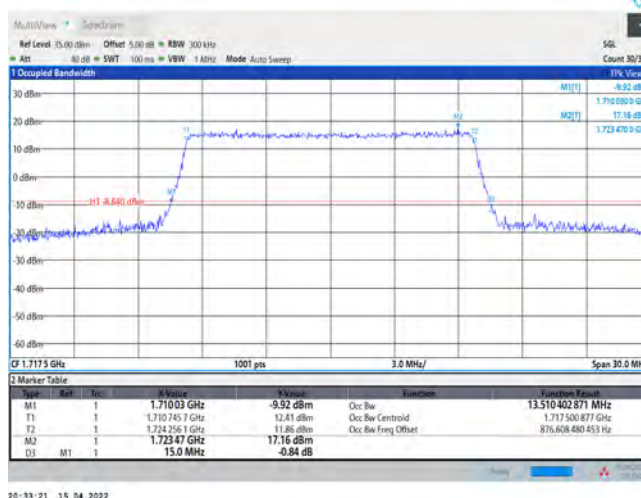
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### Band4-15MHz-QPSK-20325-75RB#0



15:25:00 16.04.2022

### Band4-15MHz-16QAM-20025-75RB#0



20:33:21 15.04.2022



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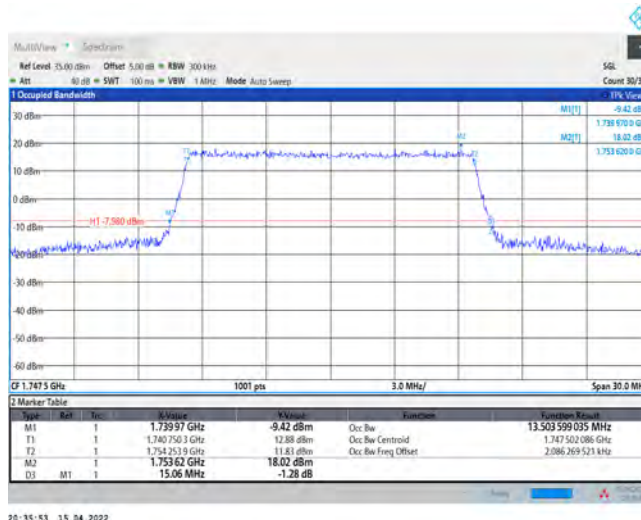
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### Band4-15MHz-16QAM-20175-75RB#0



20:34:36 15.04.2022

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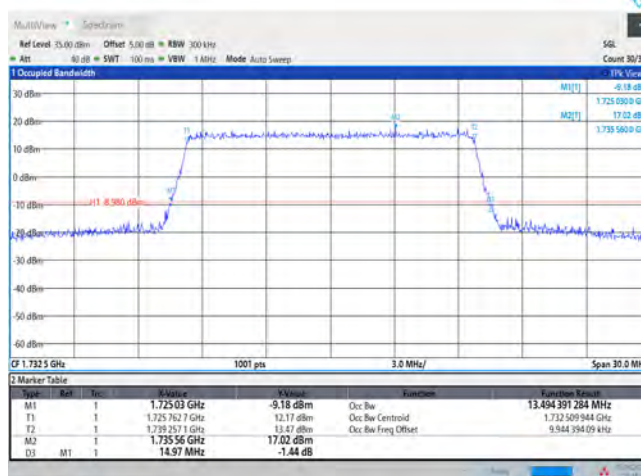
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### Band4-15MHz-64QAM-20025-75RB#0



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### Band4-15MHz-64QAM-20175-75RB#0



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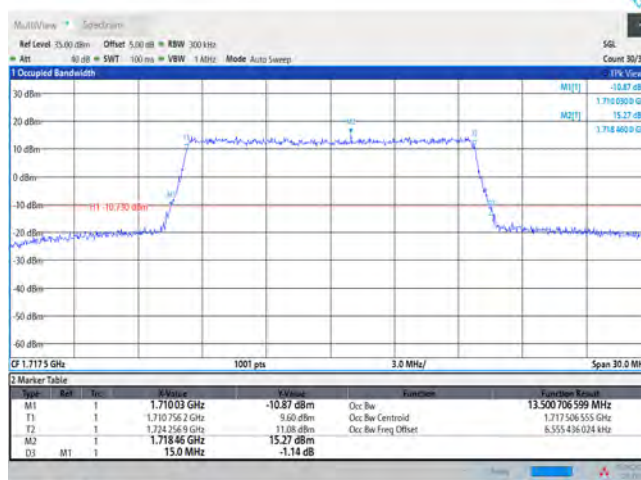
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### Band4-15MHz-64QAM-20325-75RB#0



20:36:11 15.04.2022

### Band4-15MHz-256QAM-20025-75RB#0



20:33:58 15.04.2022



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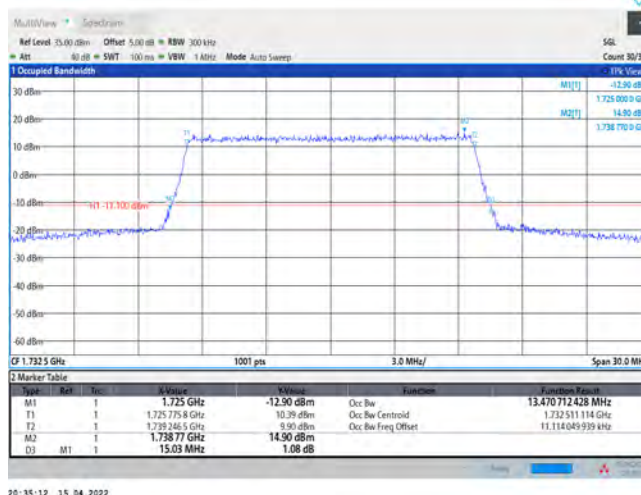
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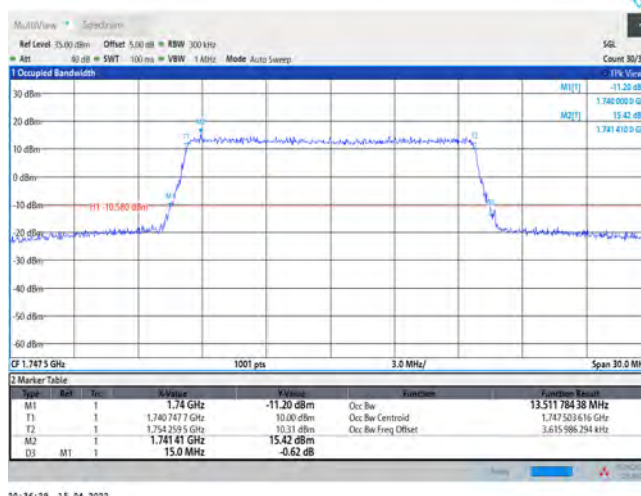
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### Band4-15MHz-256QAM-20175-75RB#0



20:35:12 15.04.2022

### Band4-15MHz-256QAM-20325-75RB#0



20:36:29 15.04.2022



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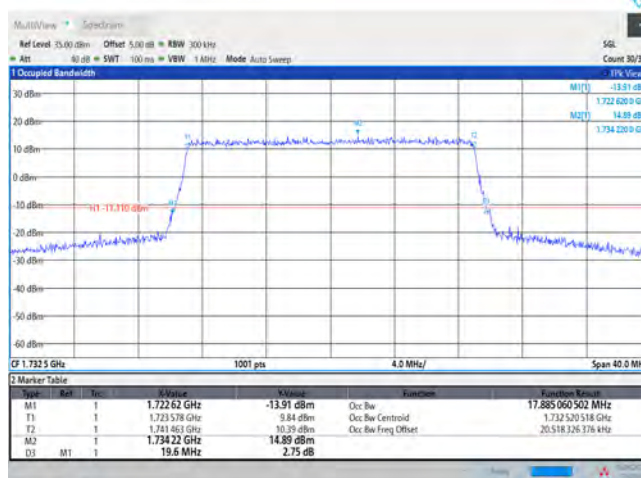
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### Band4-20MHz-QPSK-20050-100RB#0



20:37:03 15.04.2022

### Band4-20MHz-QPSK-20175-100RB#0



15:25:33 16.04.2022



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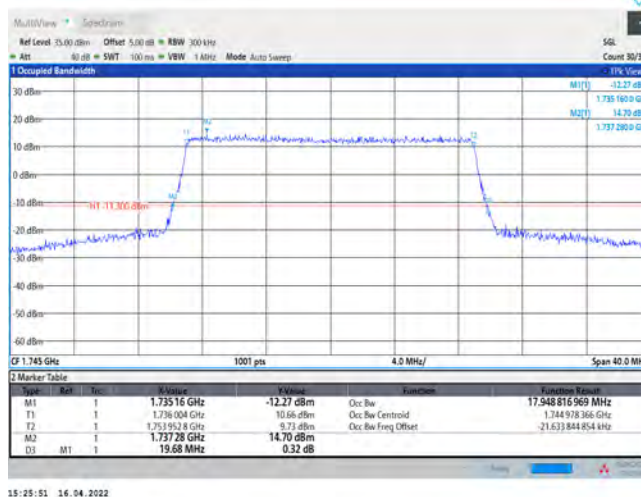
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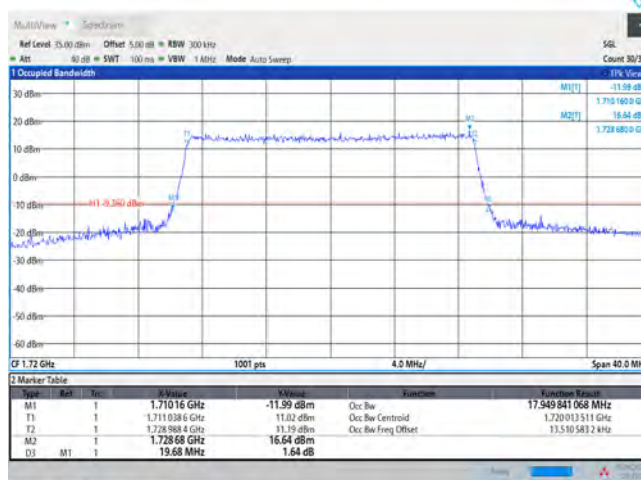
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### Band4-20MHz-QPSK-20300-100RB#0



15:25:51 16.04.2022

### Band4-20MHz-16QAM-20050-100RB#0



20:37:21 15.04.2022



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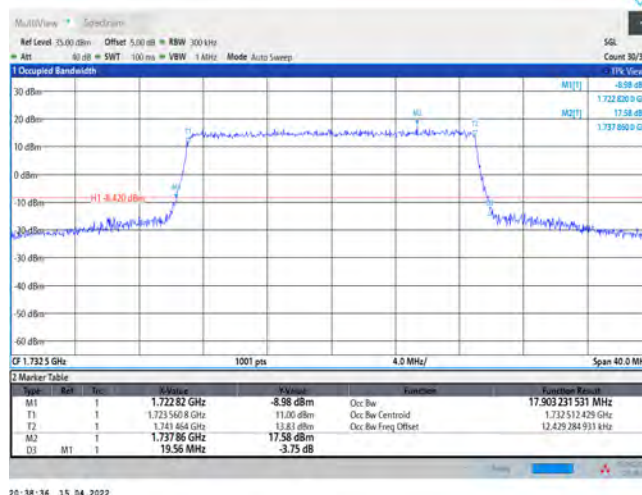
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### Band4-20MHz-16QAM-20175-100RB#0



20:38:36 15.04.2022

### Band4-20MHz-16QAM-20300-100RB#0



20:39:53 15.04.2022



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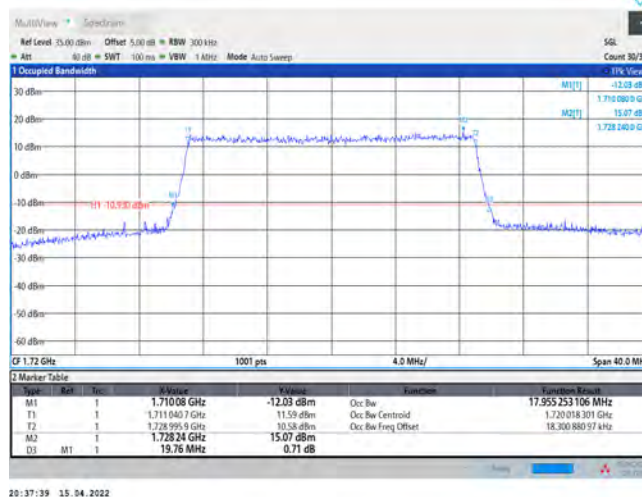
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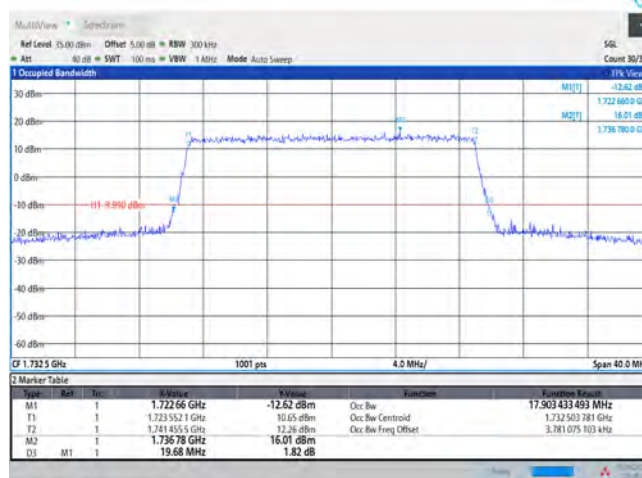
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### Band4-20MHz-64QAM-20050-100RB#0



20:37:39 15.04.2022

### Band4-20MHz-64QAM-20175-100RB#0



20:38:54 15.04.2022



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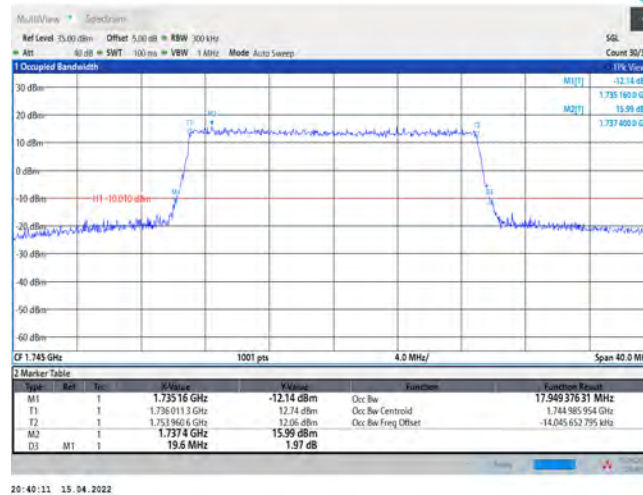
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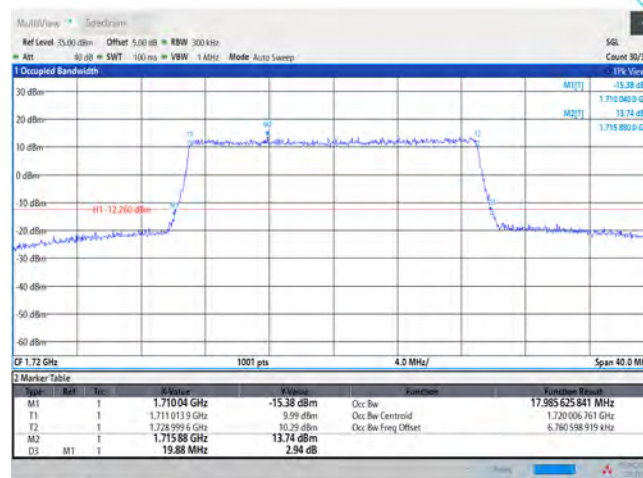
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### Band4-20MHz-64QAM-20300-100RB#0



20:40:11 15.04.2022

### Band4-20MHz-256QAM-20050-100RB#0



20:37:57 15.04.2022



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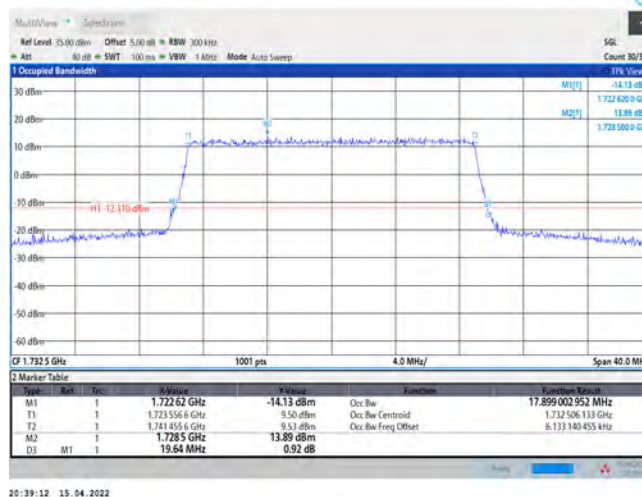
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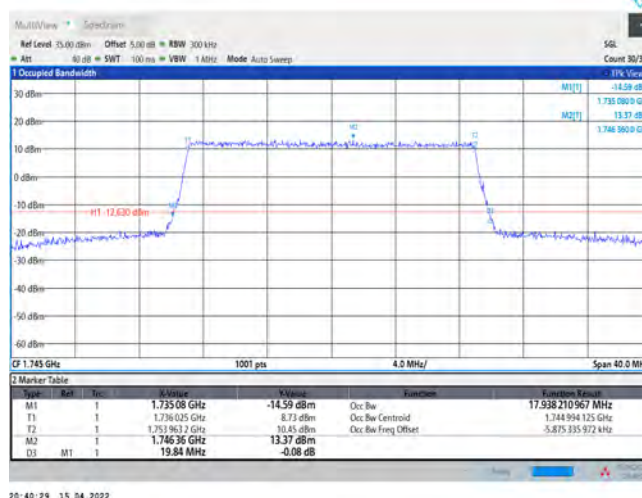
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### Band4-20MHz-256QAM-20175-100RB#0



20:39:12 15.04.2022

### Band4-20MHz-256QAM-20300-100RB#0



20:40:29 15.04.2022



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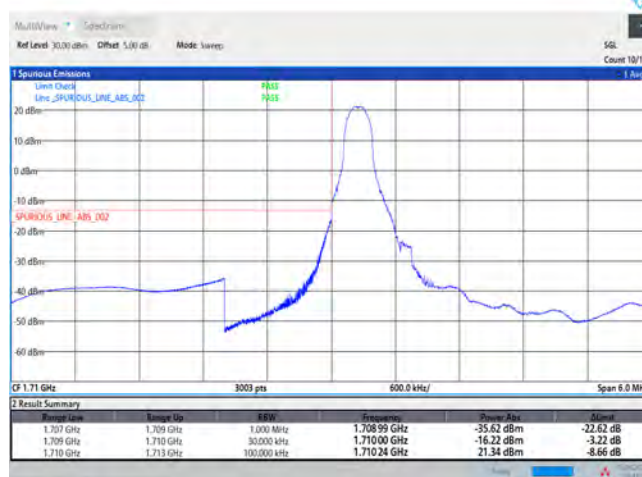
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### Band Edge

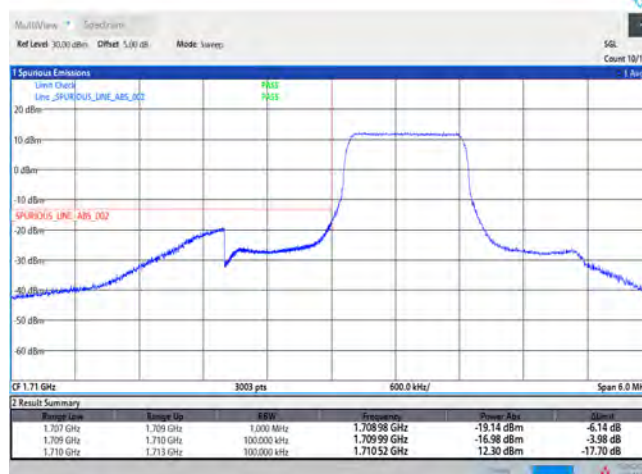
### Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



20:41:23 15.04.2022

Band4-1.4MHz-QPSK-19957-6RB#0



20:41:52 15.04.2022



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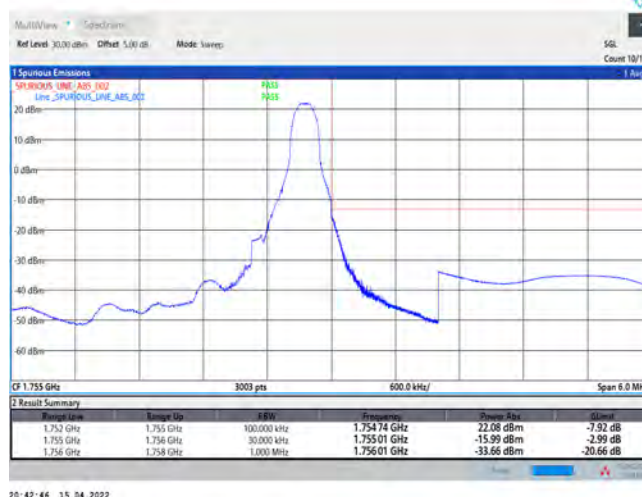
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### Band4-1.4MHz-QPSK-20393-1RB#5



20:42:46 15.04.2022

### Band4-1.4MHz-QPSK-20393-6RB#0



20:43:15 15.04.2022



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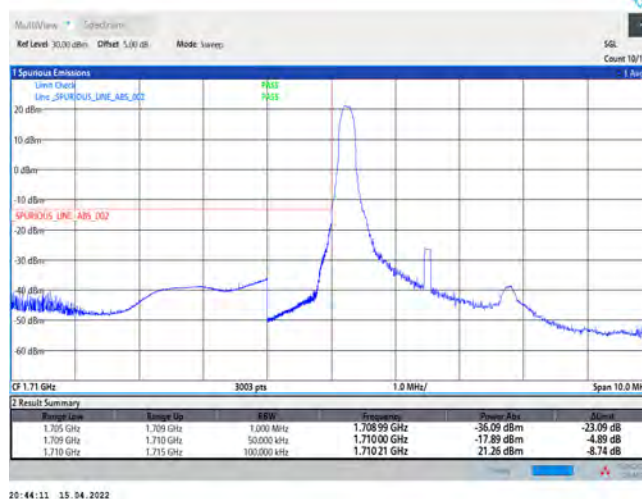
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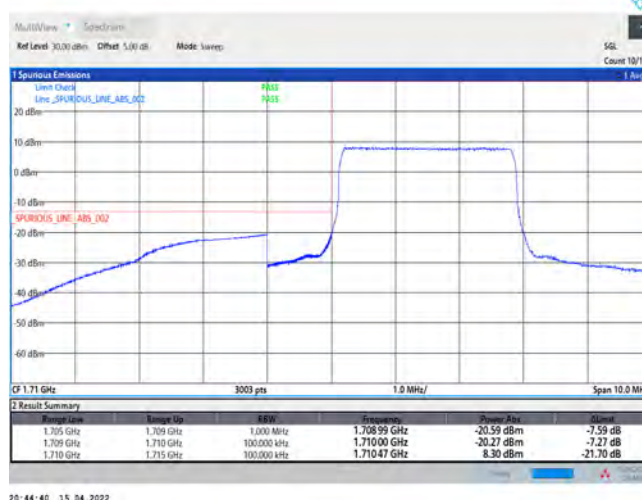
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### Band4-3MHz-QPSK-19965-1RB#0



### Band4-3MHz-QPSK-19965-15RB#0



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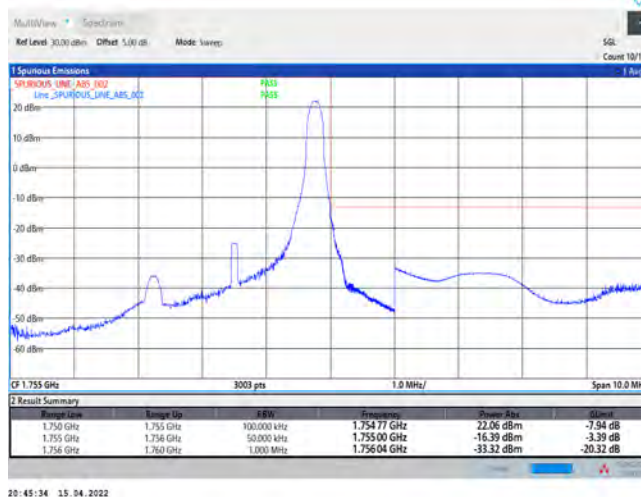
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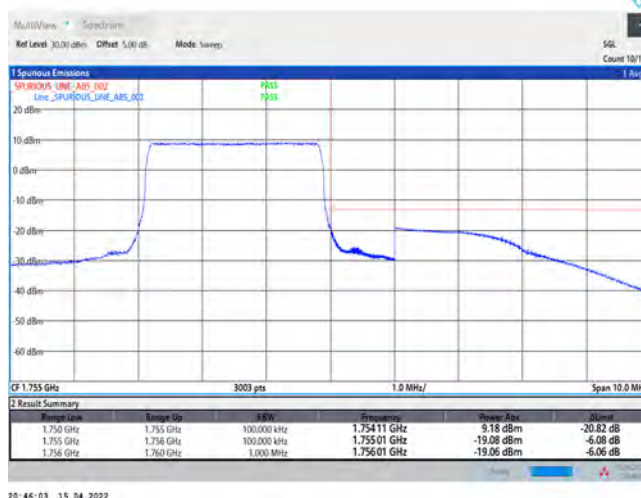
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### Band4-3MHz-QPSK-20385-15RB#0



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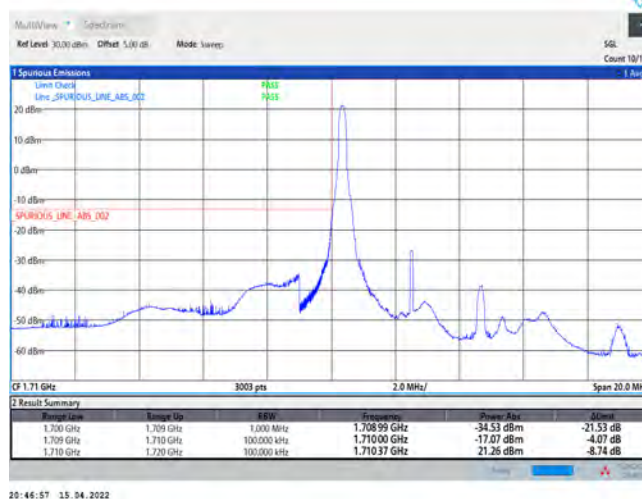
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### Band4-5MHz-QPSK-19975-1RB#0



20:46:57 15.04.2022

### Band4-5MHz-QPSK-19975-25RB#0



20:47:26 15.04.2022



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### Band4-5MHz-QPSK-20375-1RB#24



### Band4-5MHz-QPSK-20375-25RB#0



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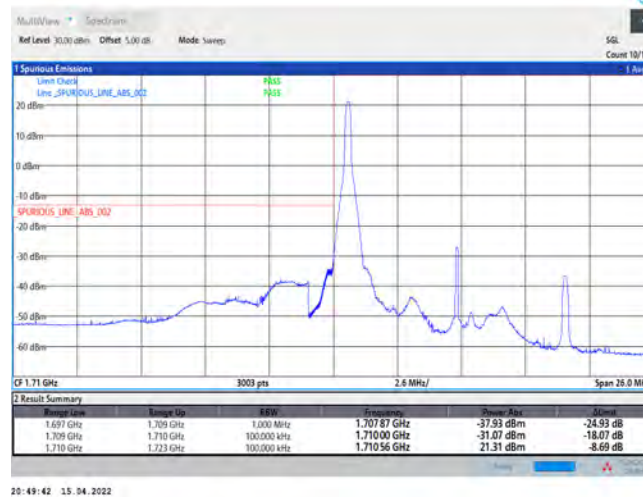
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### Band4-10MHz-QPSK-20000-1RB#0



### Band4-10MHz-QPSK-20000-50RB#0



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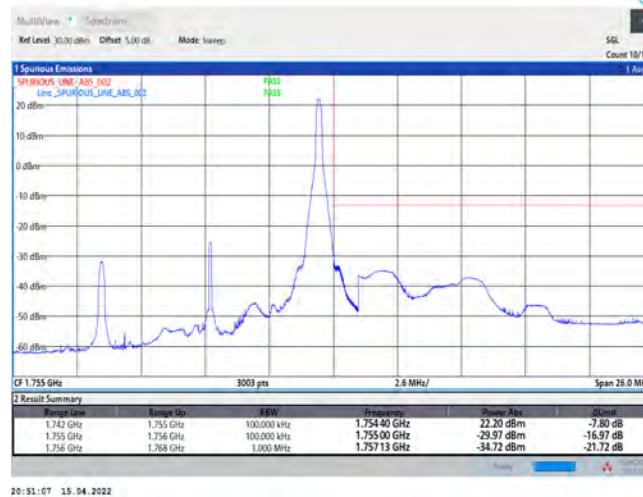
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### Band4-10MHz-QPSK-20350-1RB#49



### Band4-10MHz-QPSK-20350-50RB#0



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### Band4-15MHz-QPSK-20025-1RB#0



### Band4-15MHz-QPSK-20025-75RB#0



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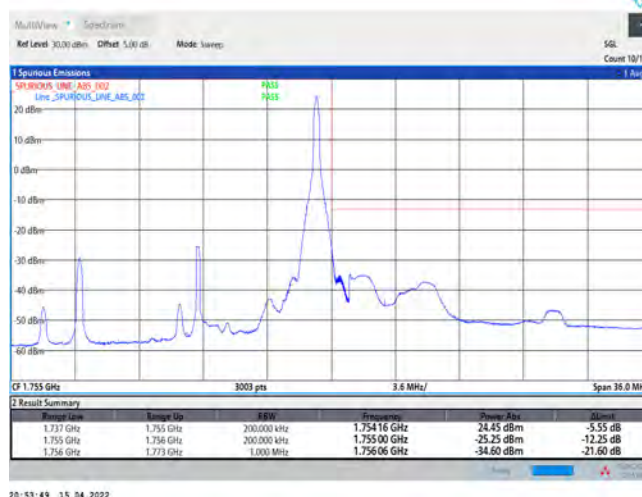
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### Band4-15MHz-QPSK-20325-1RB#74



### Band4-15MHz-QPSK-20325-75RB#0



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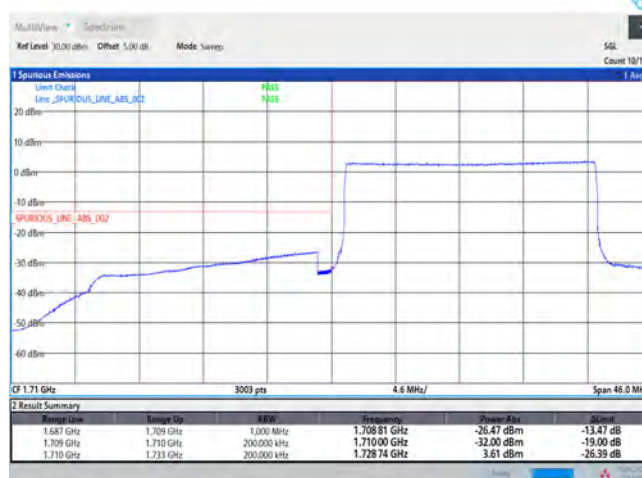
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### Band4-20MHz-QPSK-20050-1RB#0



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### Band4-20MHz-QPSK-20050-100RB#0



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### Band4-20MHz-QPSK-20300-1RB#99



### Band4-20MHz-QPSK-20300-100RB#0



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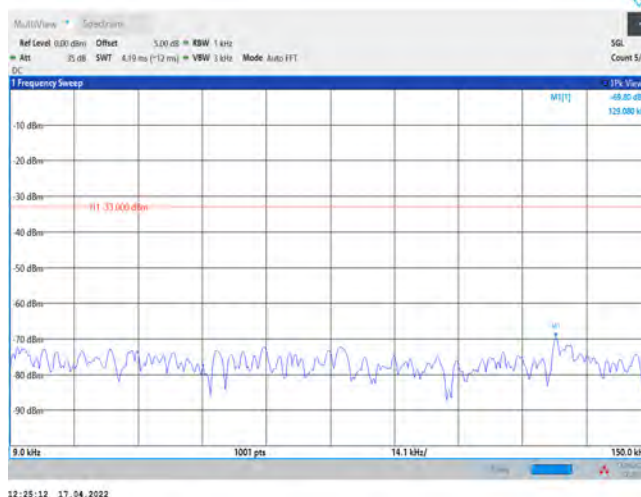
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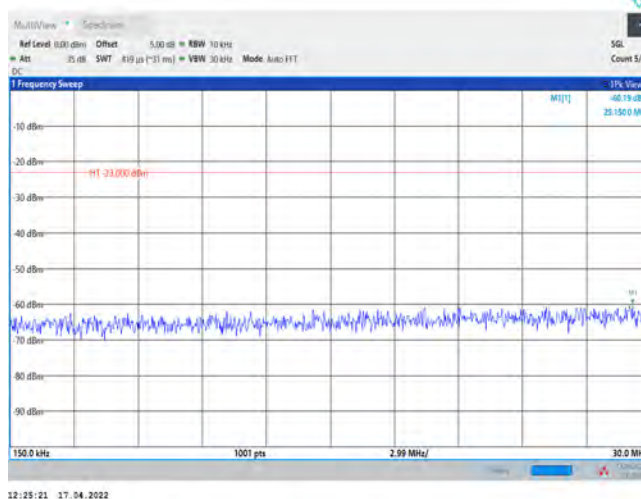
### Conducted Spurious Emission

#### Test Graphs

Band4-20MHz-QPSK-20050-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-QPSK-20050-1RB#0-Range2:0.15~30MHz



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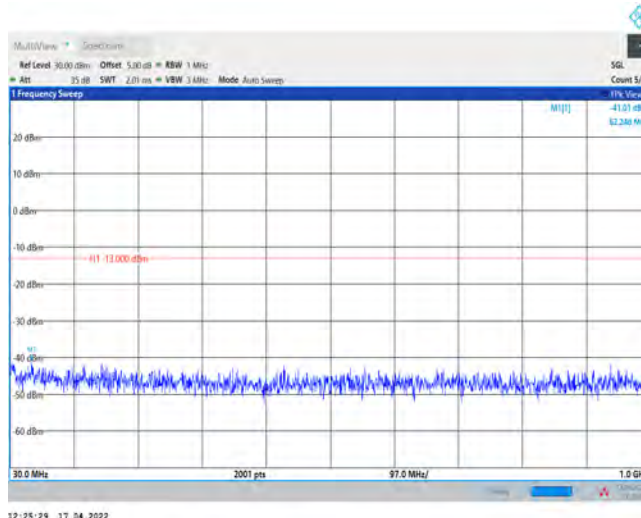
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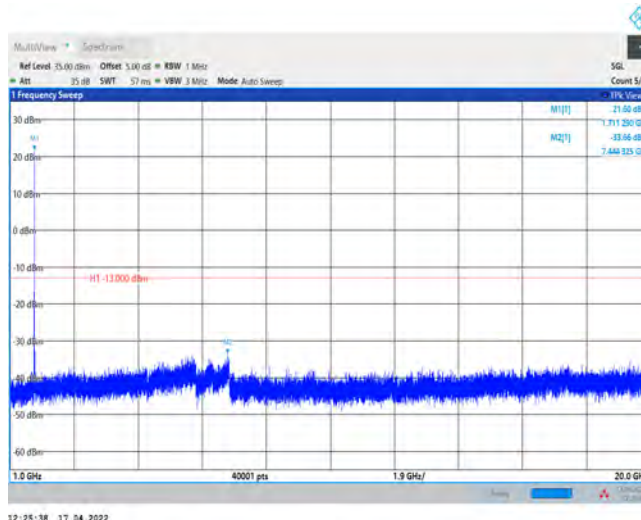
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### Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



### Band4-20MHz-QPSK-20050-1RB#0-Range4:1000~20000MHz



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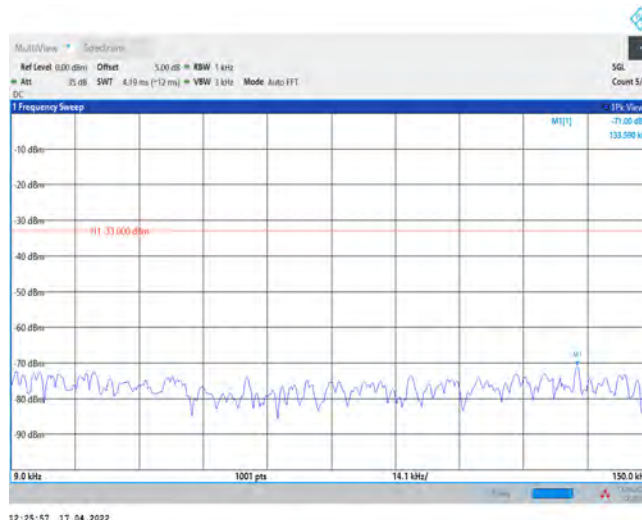
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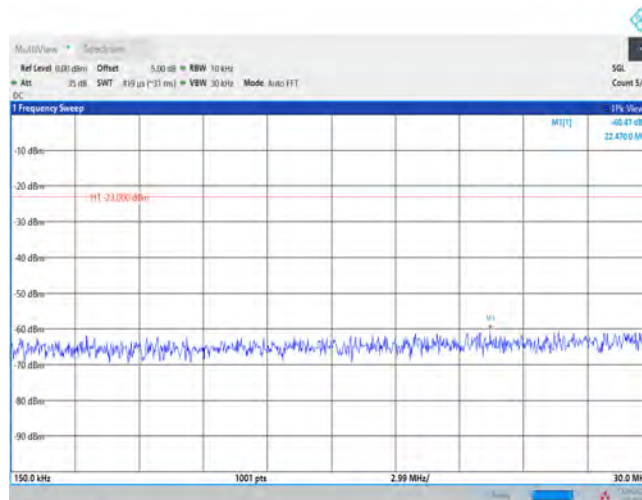
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### Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



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### Band4-20MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



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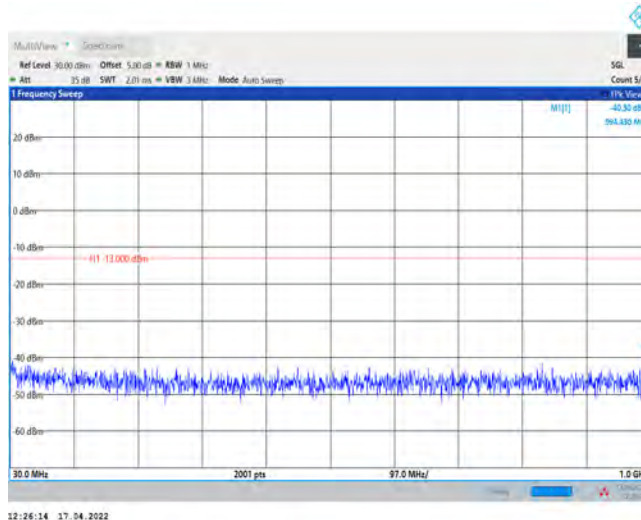
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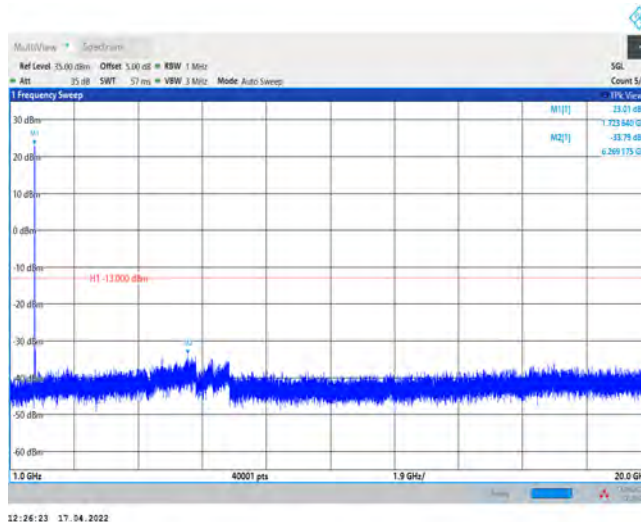
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### Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



### Band4-20MHz-QPSK-20175-1RB#0-Range4:1000~20000MHz



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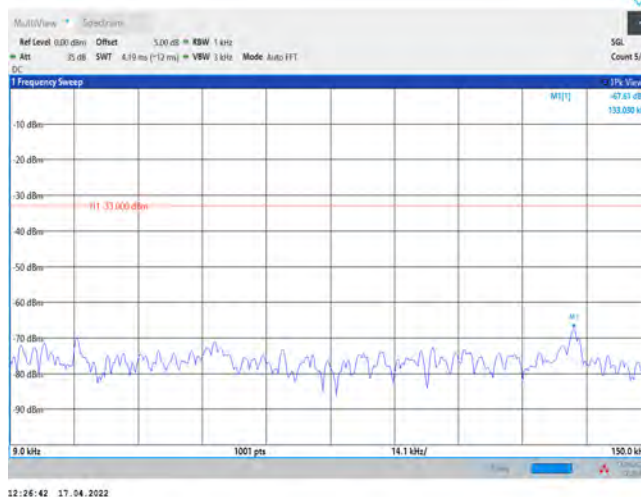
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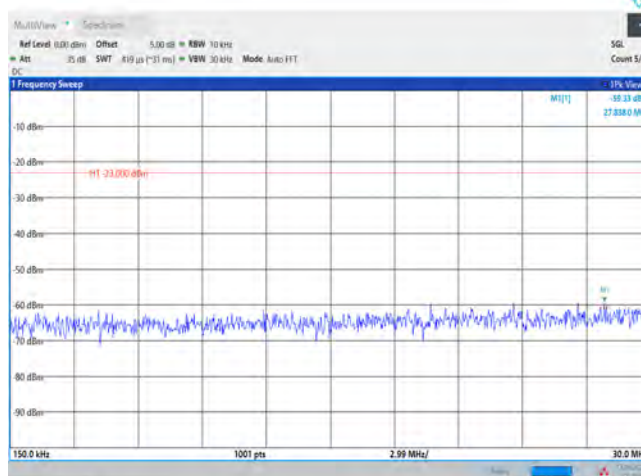
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### Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



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### Band4-20MHz-QPSK-20300-1RB#0-Range2:0.15~30MHz



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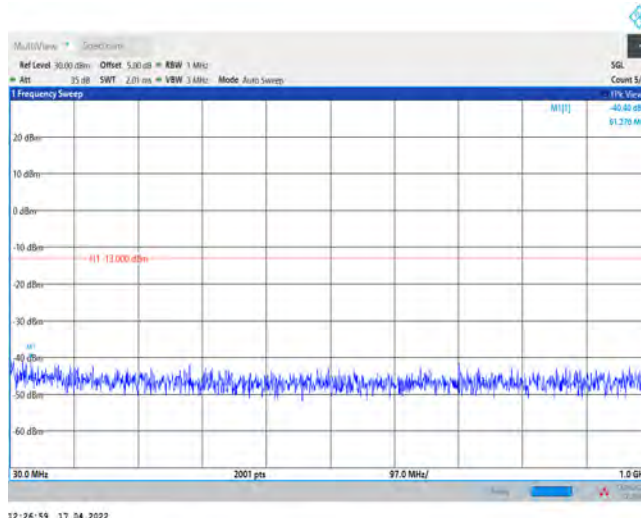
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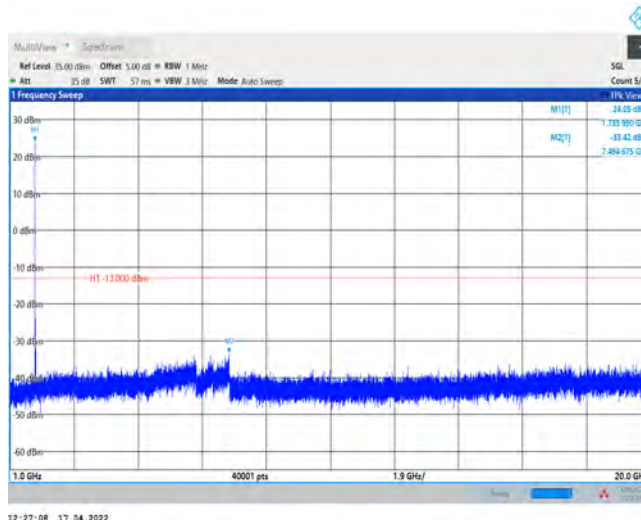
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### Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



### Band4-20MHz-QPSK-20300-1RB#0-Range4:1000~20000MHz



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## Field Strength of Spurious Radiation

Test Band = LTE Band 4\_ TM1

Test Channel = Low Channel

| Final Data List |                    |                   |                |          |                |                |                |                |              |            |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------------|--------------|------------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity   |
| 1               | 3422.1800          | 44.86             | -46.28         | 29.45    | -67.23         | -13.00         | 54.23          | 245            | 341          | Horizontal |
| 2               | 5133.2700          | 42.84             | -45.34         | 32.95    | -64.81         | -13.00         | 51.81          | 136            | 267          | Horizontal |
| 3               | 6844.3600          | 42.47             | -44.14         | 35.89    | -61.04         | -13.00         | 48.04          | 258            | 147          | Horizontal |
| 4               | 8555.4500          | 37.47             | -41.46         | 37.66    | -61.59         | -13.00         | 48.59          | 144            | 117          | Horizontal |
| 5               | 10266.5400         | 35.03             | -39.23         | 38.83    | -60.63         | -13.00         | 47.63          | 102            | 192          | Horizontal |
| 6               | 11977.6300         | 31.47             | -37.51         | 38.95    | -62.36         | -13.00         | 49.36          | 190            | 58           | Horizontal |

| Final Data List |                    |                   |                |          |                |                |                |                |              |          |
|-----------------|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------------|--------------|----------|
| NO.             | Frequency<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Polarity |
| 1               | 3422.1800          | 44.18             | -46.28         | 29.45    | -67.91         | -13.00         | 54.91          | 161            | 360          | Vertical |
| 2               | 5133.2700          | 45.92             | -45.34         | 32.95    | -61.73         | -13.00         | 48.73          | 123            | 179          | Vertical |
| 3               | 6844.3600          | 45.68             | -44.14         | 35.89    | -57.83         | -13.00         | 44.83          | 261            | 150          | Vertical |
| 4               | 8555.4500          | 38.35             | -41.46         | 37.66    | -60.71         | -13.00         | 47.71          | 158            | 208          | Vertical |
| 5               | 10266.5400         | 34.24             | -39.23         | 38.83    | -61.42         | -13.00         | 48.42          | 191            | 359          | Vertical |
| 6               | 11977.6300         | 31.56             | -37.51         | 38.95    | -62.27         | -13.00         | 49.27          | 175            | 150          | Vertical |



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Test Band = LTE Band 4\_ TM1

Test Channel = Mid Channel

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 3447.1800       | 44.00          | -46.27      | 29.47    | -68.06      | -13.00      | 55.06       | 222         | 344       | Horizontal |
| 2               | 5170.7700       | 42.85          | -45.31      | 32.97    | -64.74      | -13.00      | 51.74       | 155         | 300       | Horizontal |
| 3               | 6894.3600       | 40.65          | -44.10      | 35.95    | -62.76      | -13.00      | 49.76       | 147         | 283       | Horizontal |
| 4               | 8617.9500       | 38.98          | -41.40      | 37.78    | -59.90      | -13.00      | 46.90       | 153         | 360       | Horizontal |
| 5               | 10341.5400      | 34.37          | -39.06      | 38.85    | -61.10      | -13.00      | 48.10       | 259         | 120       | Horizontal |
| 6               | 12065.1300      | 31.70          | -37.44      | 39.02    | -61.98      | -13.00      | 48.98       | 193         | 224       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 3447.1800       | 43.36          | -46.27      | 29.47    | -68.70      | -13.00      | 55.70       | 245         | 44        | Vertical |
| 2               | 5170.7700       | 45.45          | -45.31      | 32.97    | -62.14      | -13.00      | 49.14       | 133         | 192       | Vertical |
| 3               | 6894.3600       | 46.90          | -44.10      | 35.95    | -56.51      | -13.00      | 43.51       | 259         | 149       | Vertical |
| 4               | 8617.9500       | 37.56          | -41.40      | 37.78    | -61.32      | -13.00      | 48.32       | 175         | 357       | Vertical |
| 5               | 10341.5400      | 34.93          | -39.06      | 38.85    | -60.54      | -13.00      | 47.54       | 142         | 360       | Vertical |
| 6               | 12065.1300      | 31.71          | -37.44      | 39.02    | -61.97      | -13.00      | 48.97       | 162         | 352       | Vertical |



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Test Band = LTE Band 4\_ TM1

Test Channel = High Channel

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 3472.1800       | 44.59          | -46.27      | 29.50    | -67.44      | -13.00      | 54.44       | 201         | 342       | Horizontal |
| 2               | 5208.2700       | 41.81          | -45.26      | 32.98    | -65.73      | -13.00      | 52.73       | 154         | 57        | Horizontal |
| 3               | 6944.3600       | 40.30          | -43.85      | 36.01    | -62.80      | -13.00      | 49.80       | 175         | 4         | Horizontal |
| 4               | 8680.4500       | 38.17          | -41.62      | 37.88    | -60.83      | -13.00      | 47.83       | 136         | 117       | Horizontal |
| 5               | 10416.5400      | 33.66          | -38.97      | 38.88    | -61.70      | -13.00      | 48.70       | 259         | 360       | Horizontal |
| 6               | 12152.6300      | 32.75          | -37.42      | 39.09    | -60.84      | -13.00      | 47.84       | 155         | 359       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 3472.1800       | 43.19          | -46.27      | 29.50    | -68.84      | -13.00      | 55.84       | 215         | 43        | Vertical |
| 2               | 5208.2700       | 46.42          | -45.26      | 32.98    | -61.12      | -13.00      | 48.12       | 148         | 165       | Vertical |
| 3               | 6944.3600       | 40.52          | -43.85      | 36.01    | -62.58      | -13.00      | 49.58       | 156         | 179       | Vertical |
| 4               | 8680.4500       | 38.45          | -41.62      | 37.88    | -60.55      | -13.00      | 47.55       | 299         | 360       | Vertical |
| 5               | 10416.5400      | 33.91          | -38.97      | 38.88    | -61.45      | -13.00      | 48.45       | 182         | 165       | Vertical |
| 6               | 12152.6300      | 31.87          | -37.42      | 39.09    | -61.72      | -13.00      | 48.72       | 302         | 283       | Vertical |



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Test Band = UL CA Band 2A-4A\_ TM1

Test Channel = Low Channel

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 3422.18         | 49.70          | -111.71     | -62.01      | -13.00      | 49.01       | 263         | 3         | Horizontal |
| 2               | 3702.18         | 50.31          | -111.07     | -60.76      | -13.00      | 47.76       | 251         | 341       | Horizontal |
| 3               | 5133.27         | 50.07          | -106.90     | -56.83      | -13.00      | 43.83       | 174         | 32        | Horizontal |
| 4               | 5553.27         | 49.42          | -106.36     | -56.94      | -13.00      | 43.94       | 186         | 113       | Horizontal |
| 5               | 6844.36         | 48.53          | -101.87     | -53.34      | -13.00      | 40.34       | 264         | 113       | Horizontal |
| 6               | 7404.36         | 47.66          | -100.78     | -53.12      | -13.00      | 40.12       | 188         | 291       | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 3422.18         | 50.22          | -111.71     | -61.49      | -13.00      | 48.49       | 263         | 360       | Vertical |
| 2               | 3702.18         | 50.74          | -111.07     | -60.33      | -13.00      | 47.33       | 145         | 247       | Vertical |
| 3               | 5133.27         | 48.99          | -106.90     | -57.91      | -13.00      | 44.91       | 264         | 66        | Vertical |
| 4               | 5553.27         | 49.54          | -106.36     | -56.82      | -13.00      | 43.82       | 177         | 166       | Vertical |
| 5               | 6844.36         | 47.57          | -101.87     | -54.30      | -13.00      | 41.30       | 263         | 314       | Vertical |
| 6               | 7404.36         | 49.11          | -100.78     | -51.67      | -13.00      | 38.67       | 210         | 297       | Vertical |



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Test Band = UL CA Band 2A-4A\_TM1

Test Channel = Mid Channel

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 3447.18         | 50.41          | -111.65     | -61.24      | -13.00      | 48.24       | 163         | 116       | Horizontal |
| 2               | 3742.18         | 52.01          | -110.86     | -58.85      | -13.00      | 45.85       | 251         | 352       | Horizontal |
| 3               | 5170.77         | 49.60          | -106.85     | -57.25      | -13.00      | 44.25       | 176         | 229       | Horizontal |
| 4               | 5613.27         | 49.64          | -106.14     | -56.50      | -13.00      | 43.50       | 265         | 343       | Horizontal |
| 5               | 6894.36         | 47.20          | -101.71     | -54.51      | -13.00      | 41.51       | 185         | 49        | Horizontal |
| 6               | 7484.36         | 47.67          | -100.43     | -52.76      | -13.00      | 39.76       | 144         | 3         | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 3447.18         | 50.05          | -111.65     | -61.60      | -13.00      | 48.60       | 263         | 360       | Vertical |
| 2               | 3742.18         | 50.94          | -110.86     | -59.92      | -13.00      | 46.92       | 241         | 326       | Vertical |
| 3               | 5170.77         | 50.53          | -106.85     | -56.32      | -13.00      | 43.32       | 176         | 131       | Vertical |
| 4               | 5613.27         | 50.28          | -106.14     | -55.86      | -13.00      | 42.86       | 284         | 360       | Vertical |
| 5               | 6894.36         | 48.63          | -101.71     | -53.08      | -13.00      | 40.08       | 196         | 179       | Vertical |
| 6               | 7484.36         | 49.13          | -100.43     | -51.30      | -13.00      | 38.30       | 241         | 47        | Vertical |



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Test Band = UL CA Band 2A-4A\_TM1

Test Channel = High Channel

| Final Data List |                 |                |             |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 3472.18         | 49.65          | -111.61     | -61.96      | -13.00      | 48.96       | 281         | 360       | Horizontal |
| 2               | 3782.18         | 50.87          | -110.66     | -59.79      | -13.00      | 46.79       | 263         | 162       | Horizontal |
| 3               | 5208.27         | 50.22          | -106.80     | -56.58      | -13.00      | 43.58       | 174         | 344       | Horizontal |
| 4               | 5673.27         | 49.60          | -105.88     | -56.28      | -13.00      | 43.28       | 248         | 358       | Horizontal |
| 5               | 6944.36         | 47.74          | -101.67     | -53.93      | -13.00      | 40.93       | 126         | 359       | Horizontal |
| 6               | 7564.36         | 48.58          | -100.01     | -51.43      | -13.00      | 38.43       | 196         | 3         | Horizontal |

| Final Data List |                 |                |             |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 3472.18         | 49.75          | -111.61     | -61.86      | -13.00      | 48.86       | 264         | 342       | Vertical |
| 2               | 3782.18         | 50.61          | -110.66     | -60.05      | -13.00      | 47.05       | 263         | 31        | Vertical |
| 3               | 5208.27         | 49.65          | -106.80     | -57.15      | -13.00      | 44.15       | 188         | 342       | Vertical |
| 4               | 5673.27         | 49.55          | -105.88     | -56.33      | -13.00      | 43.33       | 214         | 194       | Vertical |
| 5               | 6944.36         | 46.68          | -101.67     | -54.99      | -13.00      | 41.99       | 174         | 162       | Vertical |
| 6               | 7564.36         | 48.97          | -100.01     | -51.04      | -13.00      | 38.04       | 123         | 179       | 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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## Frequency Stability

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | VL            | NT               | -2.30          | -0.001328       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | VN            | NT               | -1.20          | -0.000693       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | VH            | NT               | -2.20          | -0.001270       | PASS    |

| Band  | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | -30              | 0.00           | 0.000000        | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | -20              | -1.00          | -0.000577       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | -10              | -0.70          | -0.000404       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 0                | -2.20          | -0.001270       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 10               | -2.00          | -0.001154       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 20               | -0.70          | -0.000404       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 30               | -1.30          | -0.000750       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 40               | -1.10          | -0.000635       | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 50               | -0.10          | -0.000058       | PASS    |

---End of Attachment---



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