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# Appendix B.14

## LTE Band 38



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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 |
|--------|-----------|------------|---------|------------------|-------------|-----------|------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 24.4        | 26.8      | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#12           | 24.47       | 26.87     | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#24           | 24.39       | 26.79     | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 23.44       | 25.84     | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 24.26       | 26.66     | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#12           | 24.44       | 26.84     | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#24           | 24.25       | 26.65     | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 23.37       | 25.77     | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 24.15       | 26.55     | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#12           | 24.28       | 26.68     | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#24           | 24.15       | 26.55     | 33.00      | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 23.23       | 25.63     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 23.55       | 25.95     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#12           | 23.49       | 25.89     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#24           | 23.28       | 25.68     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 22.43       | 24.83     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 23.26       | 25.66     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#12           | 23.3        | 25.7      | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#24           | 23.23       | 25.63     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 22.36       | 24.76     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 23.23       | 25.63     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#12           | 23.16       | 25.56     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#24           | 23.03       | 25.43     | 33.00      | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 22.21       | 24.61     | 33.00      | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#0            | 23.26       | 25.66     | 33.00      | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#12           | 22.62       | 25.02     | 33.00      | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#24           | 22.49       | 24.89     | 33.00      | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 25RB#0           | 21.41       | 23.81     | 33.00      | PASS    |



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|--------|-------|--------|-------|--------|-------|-------|-------|------|
| Band38 | 5MHz  | 64QAM  | 38000 | 1RB#0  | 22.4  | 24.8  | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38000 | 1RB#12 | 22.41 | 24.81 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38000 | 1RB#24 | 22.29 | 24.69 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38000 | 25RB#0 | 21.35 | 23.75 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 1RB#0  | 22.29 | 24.69 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 1RB#12 | 22.25 | 24.65 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 1RB#24 | 22.25 | 24.65 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 25RB#0 | 21.2  | 23.6  | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 37775 | 1RB#0  | 19.22 | 21.62 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 37775 | 1RB#12 | 19.39 | 21.79 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 37775 | 1RB#24 | 19.29 | 21.69 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 37775 | 25RB#0 | 19.44 | 21.84 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38000 | 1RB#0  | 19.1  | 21.5  | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38000 | 1RB#12 | 19.38 | 21.78 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38000 | 1RB#24 | 19.17 | 21.57 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38000 | 25RB#0 | 19.35 | 21.75 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 1RB#0  | 19.01 | 21.41 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 1RB#12 | 19.23 | 21.63 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 1RB#24 | 19.01 | 21.41 | 33.00 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 25RB#0 | 19.19 | 21.59 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 1RB#0  | 24.31 | 26.71 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 1RB#24 | 24.41 | 26.81 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 1RB#49 | 24.36 | 26.76 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 50RB#0 | 23.44 | 25.84 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 1RB#0  | 24.23 | 26.63 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 1RB#24 | 24.35 | 26.75 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 1RB#49 | 24.33 | 26.73 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 50RB#0 | 23.39 | 25.79 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38200 | 1RB#0  | 24.12 | 26.52 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38200 | 1RB#24 | 24.22 | 26.62 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38200 | 1RB#49 | 24.07 | 26.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK   | 38200 | 50RB#0 | 23.24 | 25.64 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 1RB#0  | 23.3  | 25.7  | 33.00 | PASS |



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| Band38 | 10MHz | 16QAM  | 37800 | 1RB#24 | 23.31 | 25.71 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 1RB#49 | 23.36 | 25.76 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 50RB#0 | 22.45 | 24.85 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 1RB#0  | 23.32 | 25.72 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 1RB#24 | 23.36 | 25.76 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 1RB#49 | 23.26 | 25.66 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 50RB#0 | 22.35 | 24.75 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 1RB#0  | 23.21 | 25.61 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 1RB#24 | 23.2  | 25.6  | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 1RB#49 | 23.11 | 25.51 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 50RB#0 | 22.25 | 24.65 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 1RB#0  | 22.52 | 24.92 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 1RB#24 | 22.52 | 24.92 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 1RB#49 | 22.41 | 24.81 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 50RB#0 | 21.42 | 23.82 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 1RB#0  | 22.44 | 24.84 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 1RB#24 | 22.43 | 24.83 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 1RB#49 | 22.43 | 24.83 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 50RB#0 | 21.36 | 23.76 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 1RB#0  | 22.32 | 24.72 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 1RB#24 | 22.36 | 24.76 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 1RB#49 | 22.14 | 24.54 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 50RB#0 | 21.26 | 23.66 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#0  | 19.16 | 21.56 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#24 | 19.36 | 21.76 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#49 | 19.19 | 21.59 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 50RB#0 | 19.43 | 21.83 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#0  | 19.08 | 21.48 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#24 | 19.36 | 21.76 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#49 | 19.21 | 21.61 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 50RB#0 | 19.39 | 21.79 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#0  | 19.04 | 21.44 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#24 | 19.28 | 21.68 | 33.00 | PASS |



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| Band38 | 10MHz | 256QAM | 38200 | 1RB#49 | 19.13 | 21.53 | 33.00 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 50RB#0 | 19.26 | 21.66 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 1RB#0  | 24.2  | 26.6  | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 1RB#38 | 24.24 | 26.64 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 1RB#74 | 24.11 | 26.51 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 75RB#0 | 23.3  | 25.7  | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 1RB#0  | 24.03 | 26.43 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 1RB#38 | 24.17 | 26.57 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 1RB#74 | 24.12 | 26.52 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 75RB#0 | 23.22 | 25.62 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 1RB#0  | 23.96 | 26.36 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 1RB#38 | 24.1  | 26.5  | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 1RB#74 | 23.95 | 26.35 | 33.00 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 75RB#0 | 23.14 | 25.54 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 1RB#0  | 23.13 | 25.53 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 1RB#38 | 23.22 | 25.62 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 1RB#74 | 23.05 | 25.45 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 75RB#0 | 22.32 | 24.72 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 1RB#0  | 23.09 | 25.49 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 1RB#38 | 23.21 | 25.61 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 1RB#74 | 23.16 | 25.56 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 75RB#0 | 22.23 | 24.63 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 1RB#0  | 23.13 | 25.53 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 1RB#38 | 23.11 | 25.51 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 1RB#74 | 22.93 | 25.33 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 75RB#0 | 22.17 | 24.57 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 1RB#0  | 22.15 | 24.55 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 1RB#38 | 22.23 | 24.63 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 1RB#74 | 22.2  | 24.6  | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 75RB#0 | 21.33 | 23.73 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 1RB#0  | 22.24 | 24.64 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 1RB#38 | 22.17 | 24.57 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 1RB#74 | 22.11 | 24.51 | 33.00 | PASS |



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| Band38 | 15MHz | 64QAM  | 38000 | 75RB#0  | 21.25 | 23.65 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 1RB#0   | 22.18 | 24.58 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 1RB#38  | 22.18 | 24.58 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 1RB#74  | 22    | 24.4  | 33.00 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 75RB#0  | 21.15 | 23.55 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#0   | 19.07 | 21.47 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#38  | 19.13 | 21.53 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#74  | 19.18 | 21.58 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 75RB#0  | 19.29 | 21.69 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#0   | 19.08 | 21.48 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#38  | 19.02 | 21.42 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#74  | 19.13 | 21.53 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 75RB#0  | 19.25 | 21.65 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#0   | 19.18 | 21.58 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#38  | 19.06 | 21.46 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#74  | 18.91 | 21.31 | 33.00 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 75RB#0  | 19.18 | 21.58 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 1RB#0   | 24.15 | 26.55 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 1RB#49  | 24.21 | 26.61 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 1RB#99  | 24.09 | 26.49 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 100RB#0 | 23.31 | 25.71 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 1RB#0   | 23.86 | 26.26 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 1RB#49  | 24.18 | 26.58 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 1RB#99  | 24.1  | 26.5  | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 100RB#0 | 23.22 | 25.62 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 1RB#0   | 23.92 | 26.32 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 1RB#49  | 24.14 | 26.54 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 1RB#99  | 24.05 | 26.45 | 33.00 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 100RB#0 | 23.18 | 25.58 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 1RB#0   | 23.1  | 25.5  | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 1RB#49  | 23.28 | 25.68 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 1RB#99  | 23.08 | 25.48 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 100RB#0 | 22.3  | 24.7  | 33.00 | PASS |



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|        |       |        |       |         |       |       |       |      |
|--------|-------|--------|-------|---------|-------|-------|-------|------|
| Band38 | 20MHz | 16QAM  | 38000 | 1RB#0   | 23.08 | 25.48 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 1RB#49  | 23.3  | 25.7  | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 1RB#99  | 23.09 | 25.49 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 100RB#0 | 22.23 | 24.63 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 1RB#0   | 23.13 | 25.53 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 1RB#49  | 23.08 | 25.48 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 1RB#99  | 23.03 | 25.43 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 100RB#0 | 22.2  | 24.6  | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 1RB#0   | 22.24 | 24.64 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 1RB#49  | 22.27 | 24.67 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 1RB#99  | 22.22 | 24.62 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 100RB#0 | 21.3  | 23.7  | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 1RB#0   | 22.27 | 24.67 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 1RB#49  | 22.33 | 24.73 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 1RB#99  | 22.12 | 24.52 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 100RB#0 | 21.2  | 23.6  | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 1RB#0   | 22.25 | 24.65 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 1RB#49  | 22.18 | 24.58 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 1RB#99  | 21.98 | 24.38 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 100RB#0 | 21.17 | 23.57 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#0   | 19.14 | 21.54 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#49  | 19.27 | 21.67 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#99  | 19.2  | 21.6  | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 100RB#0 | 19.29 | 21.69 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#0   | 19.14 | 21.54 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#49  | 19.2  | 21.6  | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#99  | 19.18 | 21.58 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 100RB#0 | 19.24 | 21.64 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#0   | 19.1  | 21.5  | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#49  | 19.27 | 21.67 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#99  | 18.99 | 21.39 | 33.00 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 100RB#0 | 19.19 | 21.59 | 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 |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 8.56       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | 8.88       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | 8.64       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | 9.36       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0          | 9.60       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0          | 9.44       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0          | 9.58       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0          | 10.02      | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0          | 9.84       | 13        | PASS    |
| Band38 | 20MHz     | 256QAM     | 37850   | 100RB#0          | 10.20      | 13        | PASS    |
| Band38 | 20MHz     | 256QAM     | 38000   | 100RB#0          | 10.04      | 13        | PASS    |
| Band38 | 20MHz     | 256QAM     | 38150   | 100RB#0          | 9.86       | 13        | PASS    |



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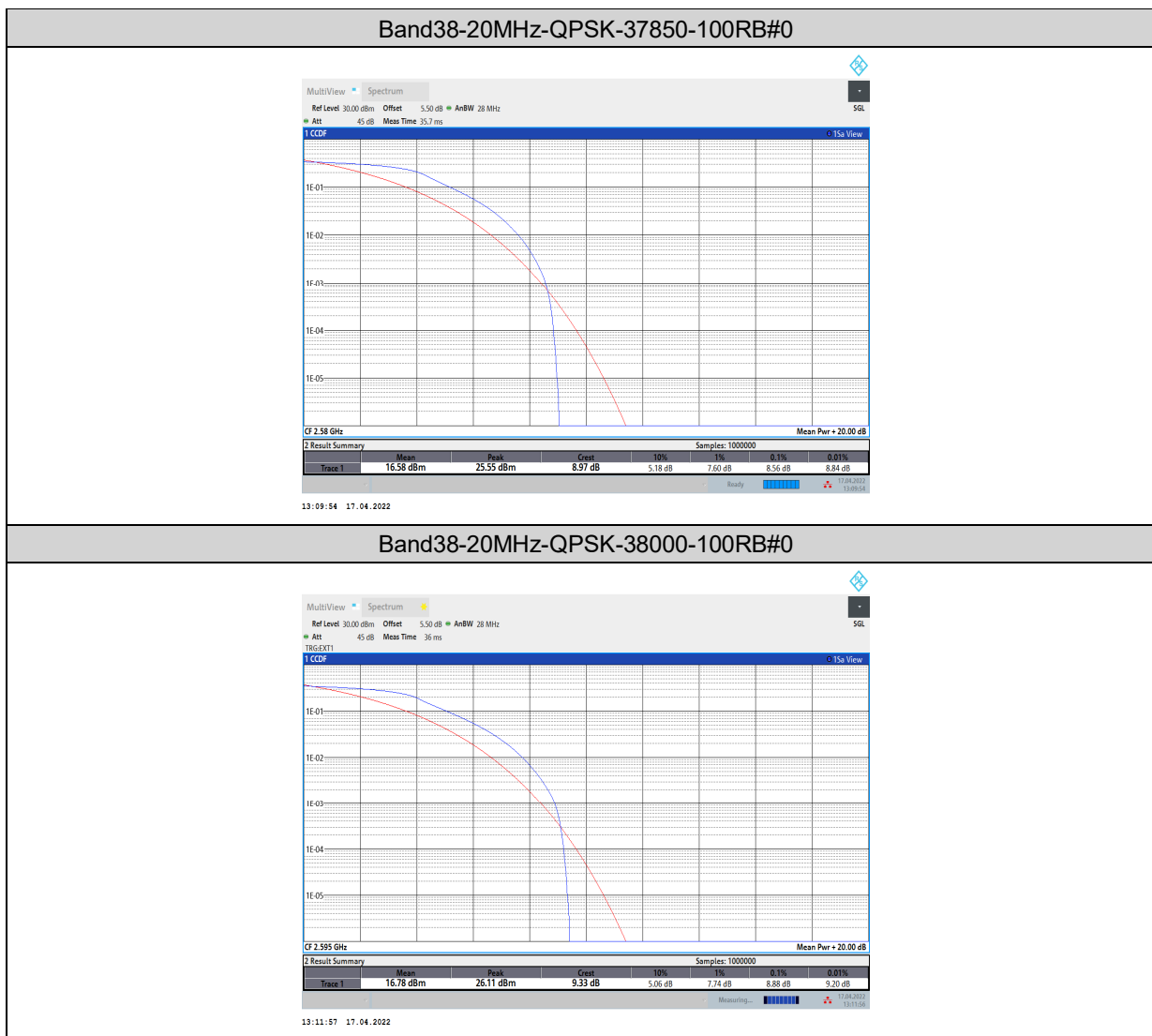
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### Test Graphs

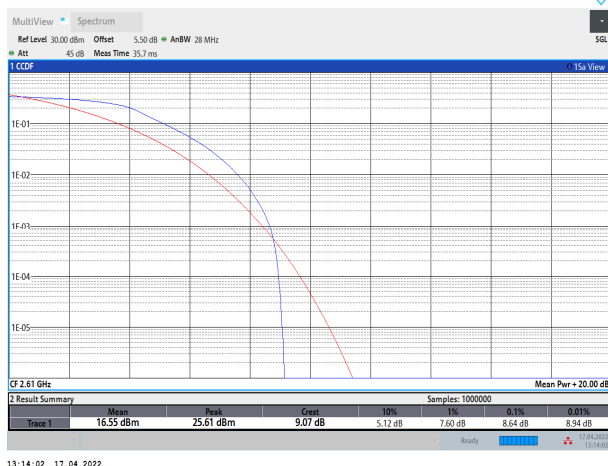


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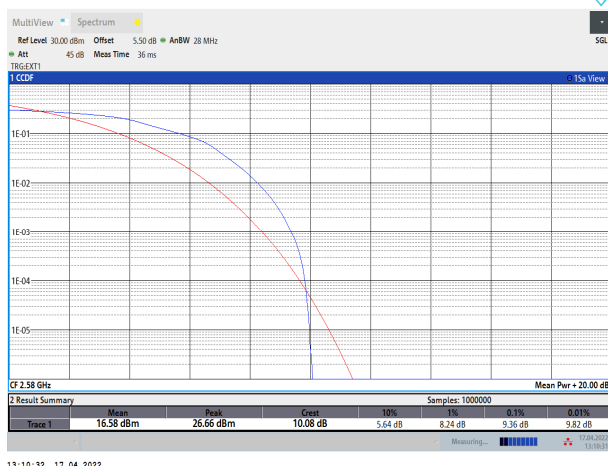
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### Band38-20MHz-QPSK-38150-100RB#0



### Band38-20MHz-16QAM-37850-100RB#0



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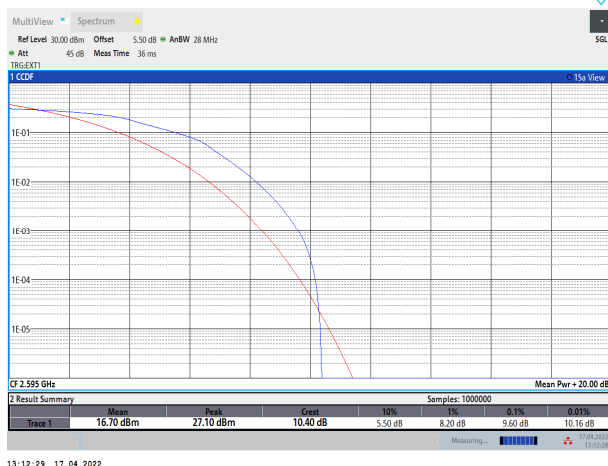
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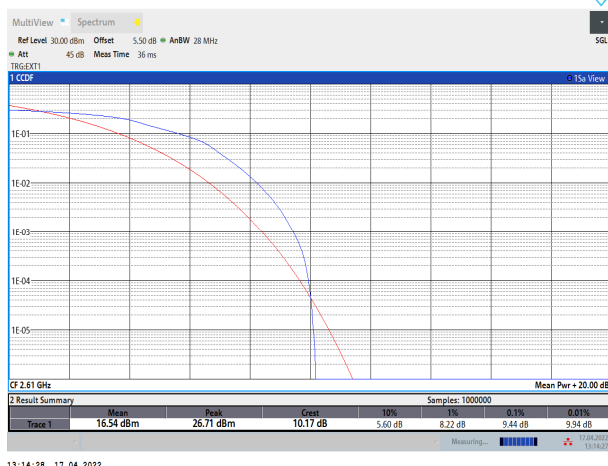
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### Band38-20MHz-16QAM-38000-100RB#0



### Band38-20MHz-16QAM-38150-100RB#0



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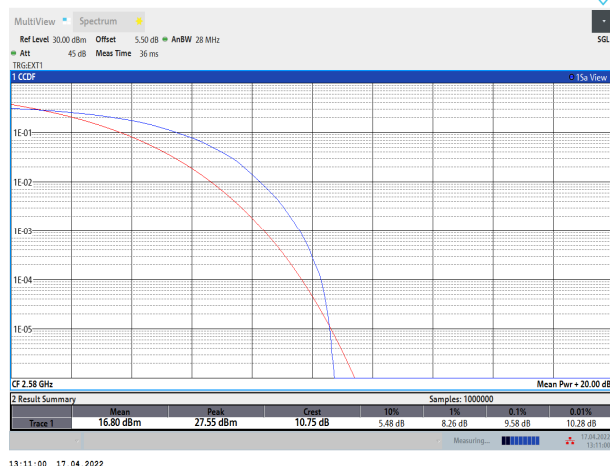
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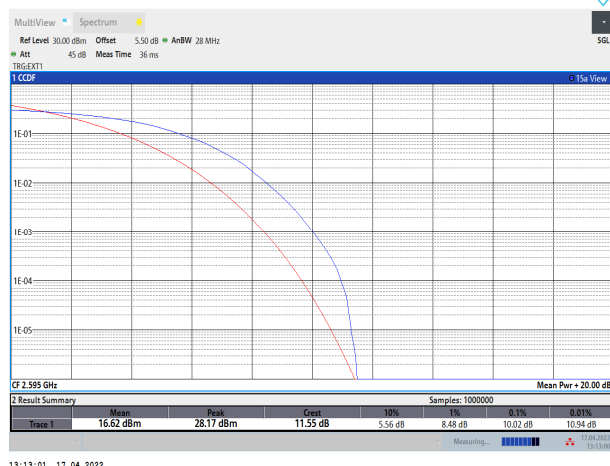
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### Band38-20MHz-64QAM-37850-100RB#0



### Band38-20MHz-64QAM-38000-100RB#0



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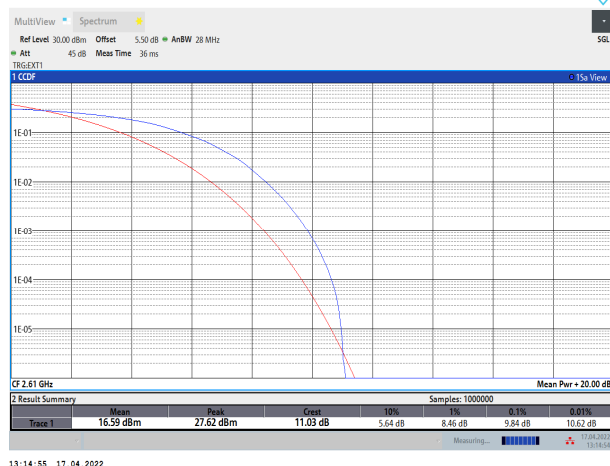
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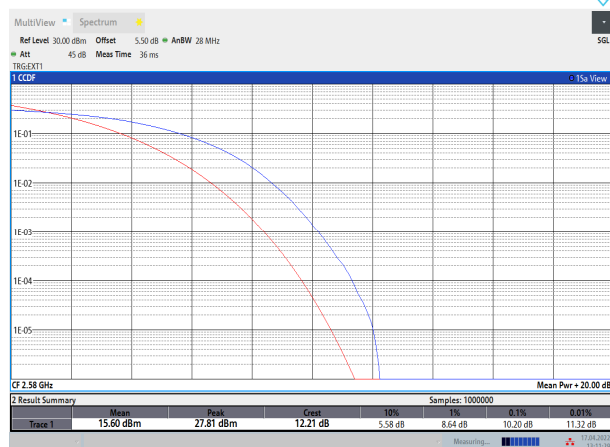
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### Band38-20MHz-64QAM-38150-100RB#0



13:14:55 17.04.2022

### Band38-20MHz-256QAM-37850-100RB#0



13:11:29 17.04.2022



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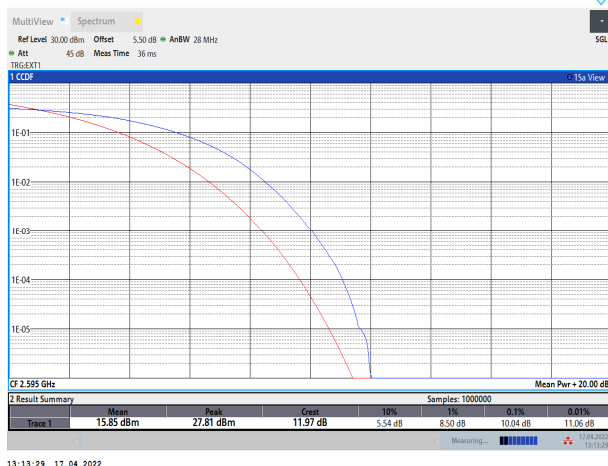
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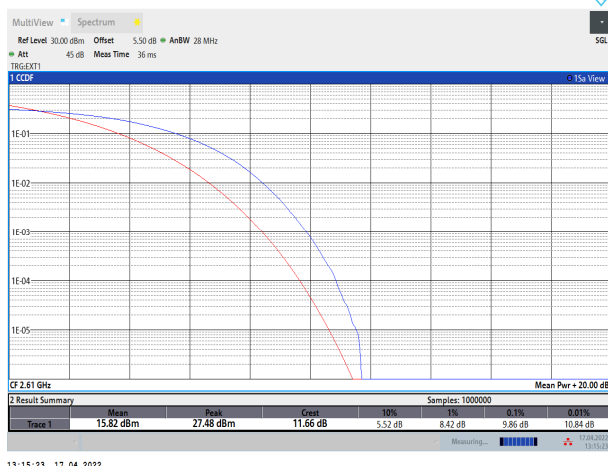
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## Band38-20MHz-256QAM-38000-100RB#0



## Band38-20MHz-256QAM-38150-100RB#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 |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 4.472                    | 5.07                 | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 4.478                    | 5.01                 | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 4.478                    | 5.11                 | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 4.480                    | 5.09                 | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 4.479                    | 5.21                 | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 4.480                    | 5.10                 | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 25RB#0           | 4.483                    | 4.99                 | PASS    |
| Band38 | 5MHz      | 64QAM      | 38000   | 25RB#0           | 4.476                    | 5.16                 | PASS    |
| Band38 | 5MHz      | 64QAM      | 38225   | 25RB#0           | 4.480                    | 5.16                 | PASS    |
| Band38 | 5MHz      | 256QAM     | 37775   | 25RB#0           | 4.482                    | 5.13                 | PASS    |
| Band38 | 5MHz      | 256QAM     | 38000   | 25RB#0           | 4.481                    | 5.03                 | PASS    |
| Band38 | 5MHz      | 256QAM     | 38225   | 25RB#0           | 4.471                    | 5.00                 | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | 8.938                    | 10.12                | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | 8.931                    | 9.88                 | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | 8.955                    | 9.86                 | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | 8.947                    | 10.12                | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | 8.936                    | 9.98                 | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | 8.943                    | 10.22                | PASS    |
| Band38 | 10MHz     | 64QAM      | 37800   | 50RB#0           | 8.932                    | 10.16                | PASS    |
| Band38 | 10MHz     | 64QAM      | 38000   | 50RB#0           | 8.942                    | 10.16                | PASS    |
| Band38 | 10MHz     | 64QAM      | 38200   | 50RB#0           | 8.940                    | 10.24                | PASS    |
| Band38 | 10MHz     | 256QAM     | 37800   | 50RB#0           | 8.948                    | 10.08                | PASS    |
| Band38 | 10MHz     | 256QAM     | 38000   | 50RB#0           | 8.961                    | 9.96                 | PASS    |
| Band38 | 10MHz     | 256QAM     | 38200   | 50RB#0           | 8.931                    | 9.96                 | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | 13.479                   | 16.68                | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | 13.489                   | 16.44                | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | 13.494                   | 16.35                | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | 13.480                   | 15.36                | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 75RB#0           | 13.474                   | 15.93                | PASS    |



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|        |       |        |       |         |        |       |      |
|--------|-------|--------|-------|---------|--------|-------|------|
| Band38 | 15MHz | 16QAM  | 38175 | 75RB#0  | 13.498 | 16.44 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 75RB#0  | 13.488 | 14.97 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 75RB#0  | 13.491 | 16.20 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 75RB#0  | 13.517 | 16.38 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 75RB#0  | 13.475 | 15.81 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 75RB#0  | 13.486 | 16.20 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 75RB#0  | 13.485 | 15.93 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 100RB#0 | 17.887 | 20.32 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 100RB#0 | 17.938 | 20.24 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 100RB#0 | 17.946 | 20.92 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 100RB#0 | 17.913 | 20.28 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 100RB#0 | 17.927 | 20.08 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 100RB#0 | 17.917 | 20.16 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 100RB#0 | 17.911 | 20.92 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 100RB#0 | 17.896 | 21.20 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 100RB#0 | 17.927 | 20.44 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 100RB#0 | 17.908 | 21.00 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 100RB#0 | 17.919 | 20.96 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 100RB#0 | 17.921 | 20.36 | PASS |



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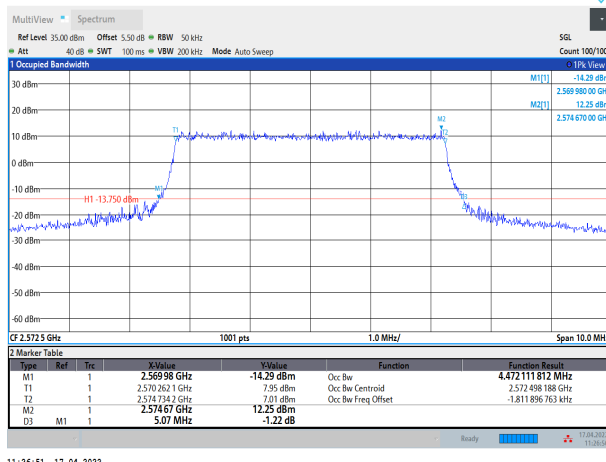
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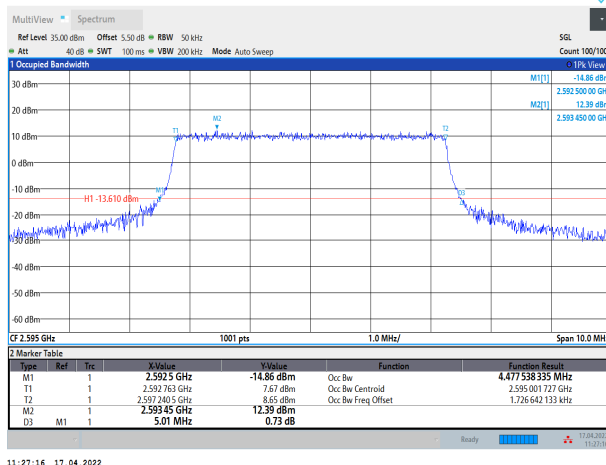
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### Test Graphs

#### Band38-5MHz-QPSK-37775-25RB#0



#### Band38-5MHz-QPSK-38000-25RB#0



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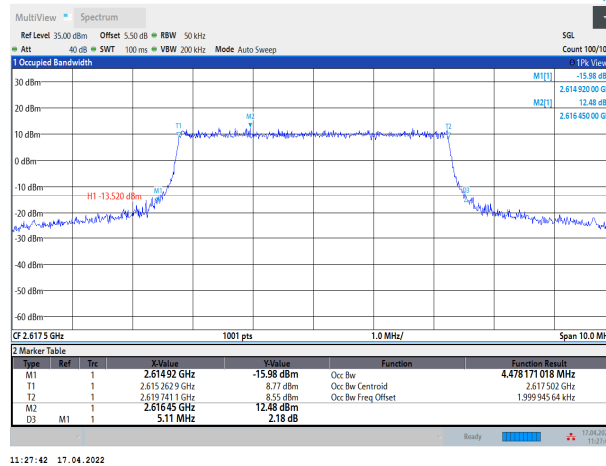
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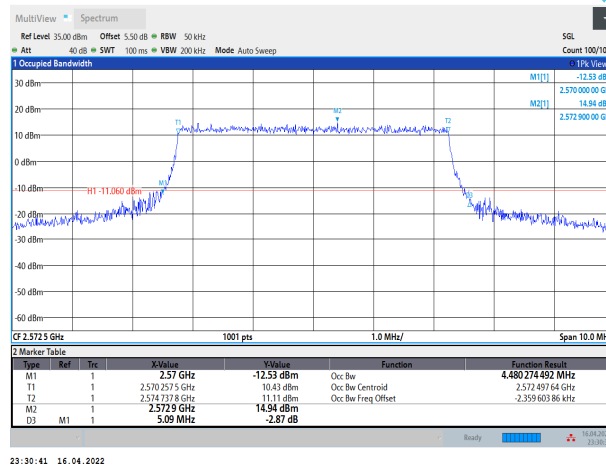
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### Band38-5MHz-QPSK-38225-25RB#0



### Band38-5MHz-16QAM-37775-25RB#0



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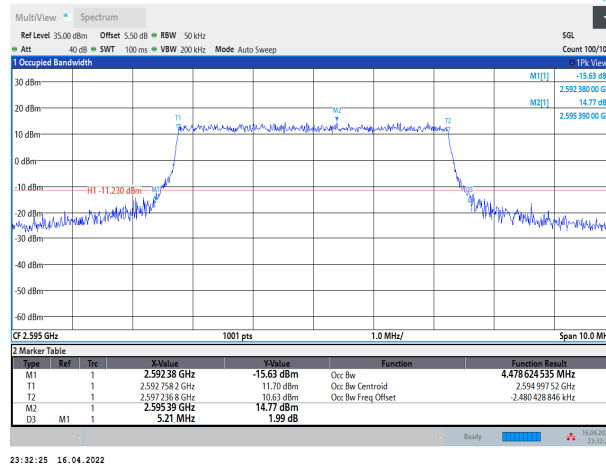
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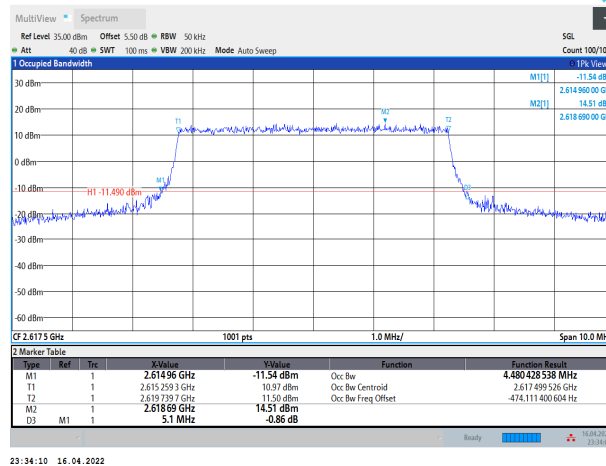
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### Band38-5MHz-16QAM-38000-25RB#0



### Band38-5MHz-16QAM-38225-25RB#0



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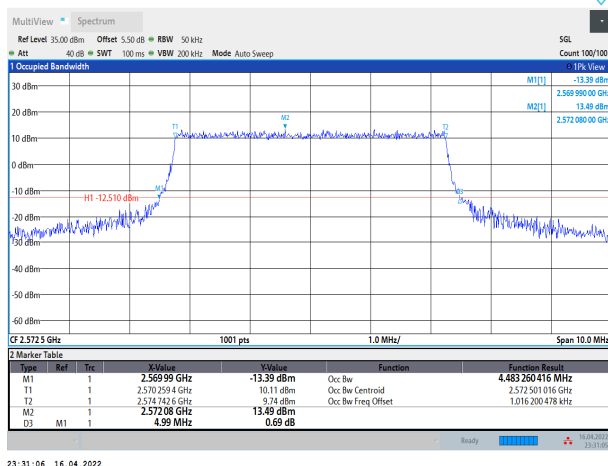
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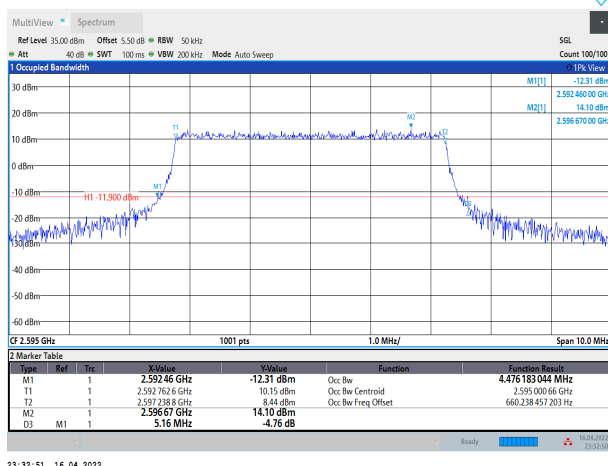
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### Band38-5MHz-64QAM-37775-25RB#0



### Band38-5MHz-64QAM-38000-25RB#0



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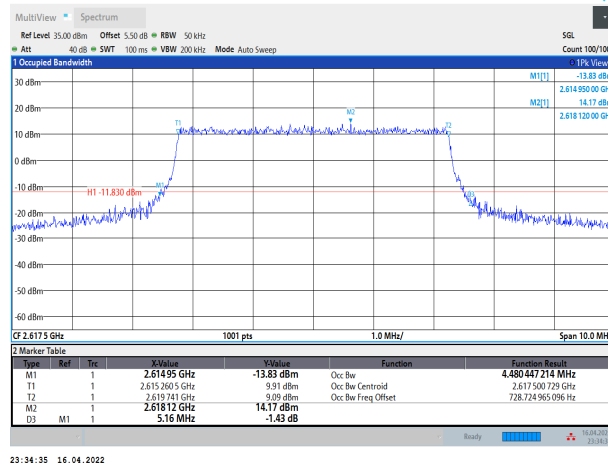
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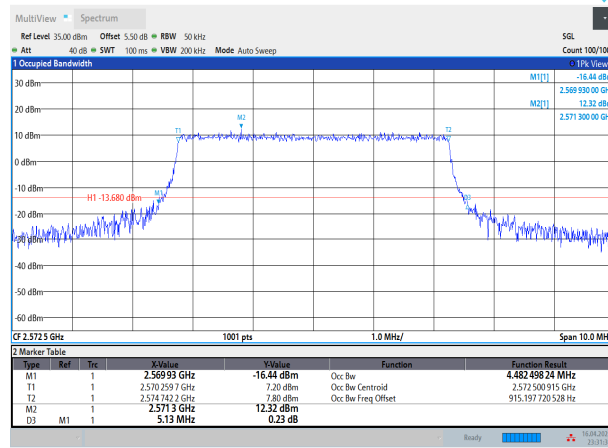
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### Band38-5MHz-64QAM-38225-25RB#0



23:34:35 16.04.2022

### Band38-5MHz-256QAM-37775-25RB#0



23:31:31 16.04.2022



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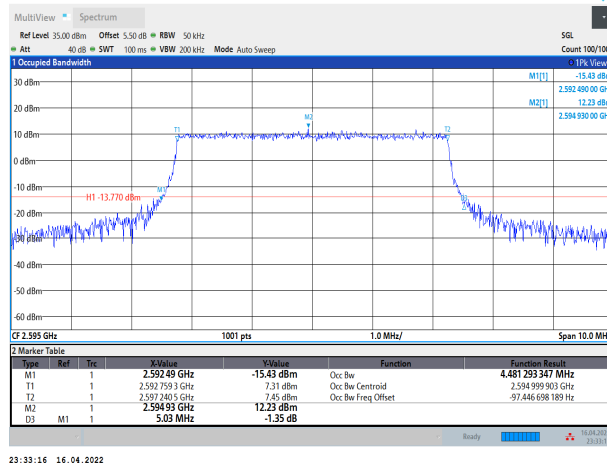
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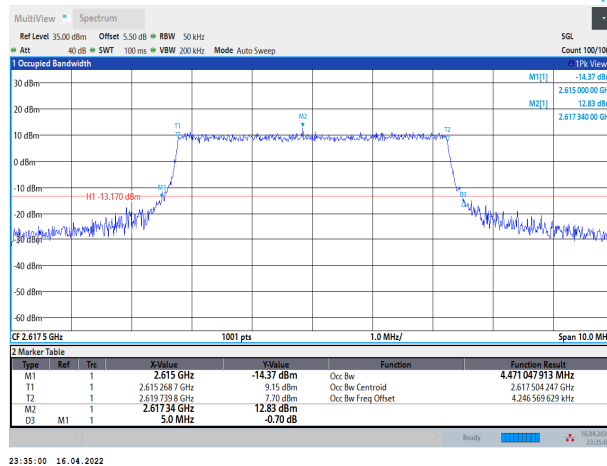
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### Band38-5MHz-256QAM-38000-25RB#0



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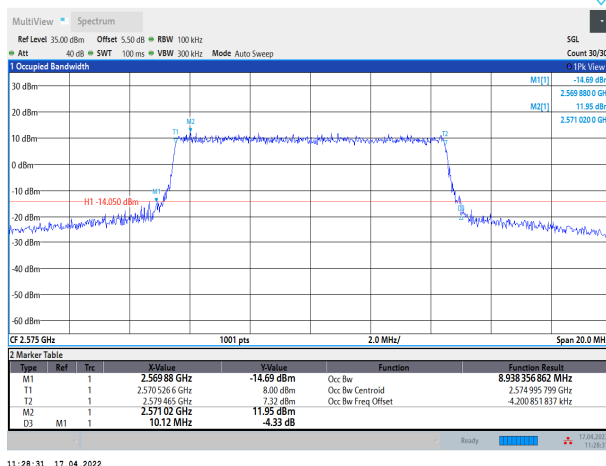


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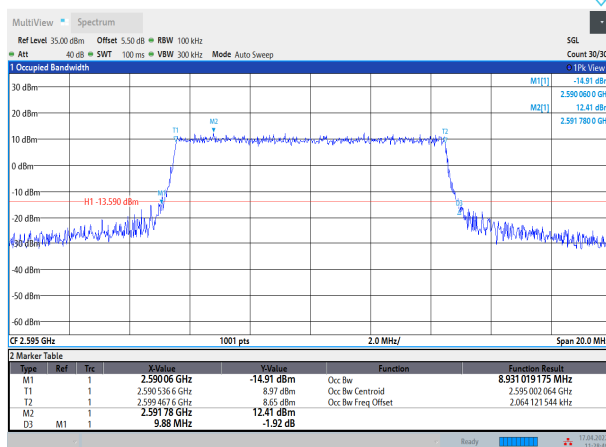
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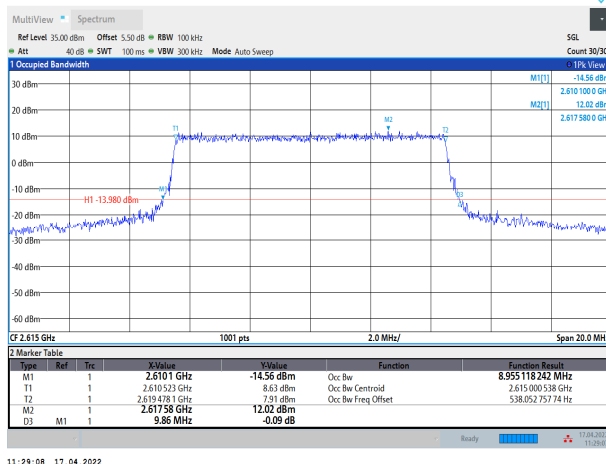
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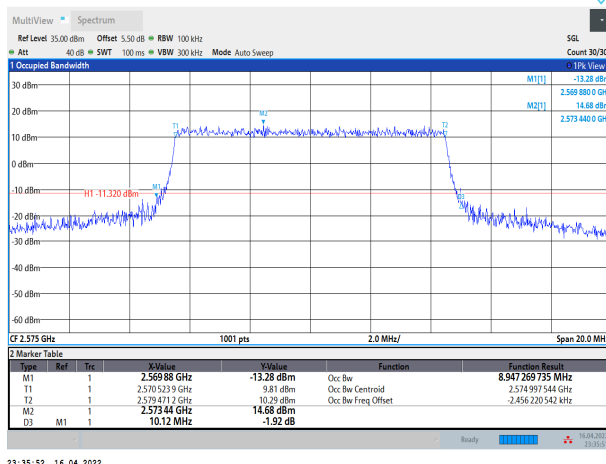
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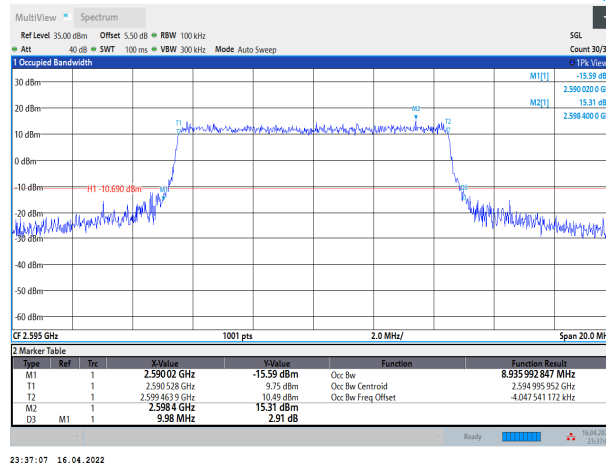


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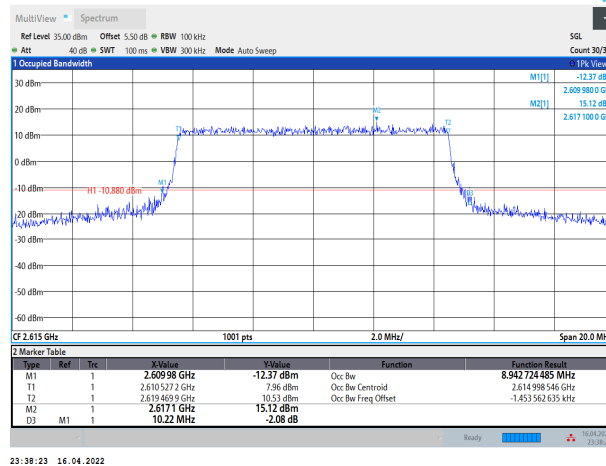
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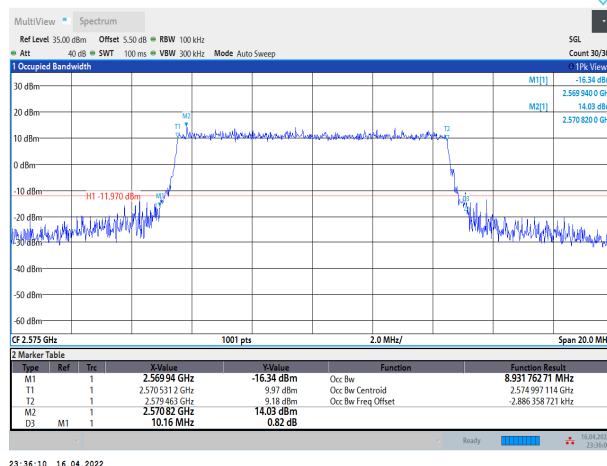


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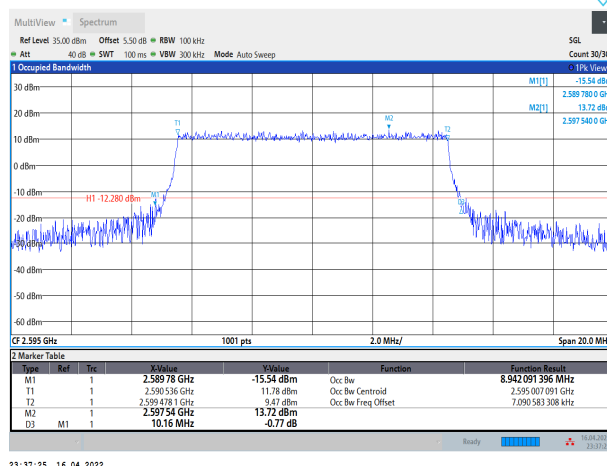
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### Band38-10MHz-64QAM-38000-50RB#0



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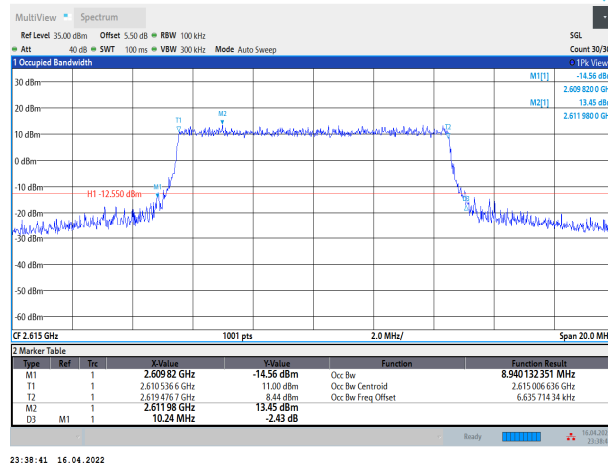
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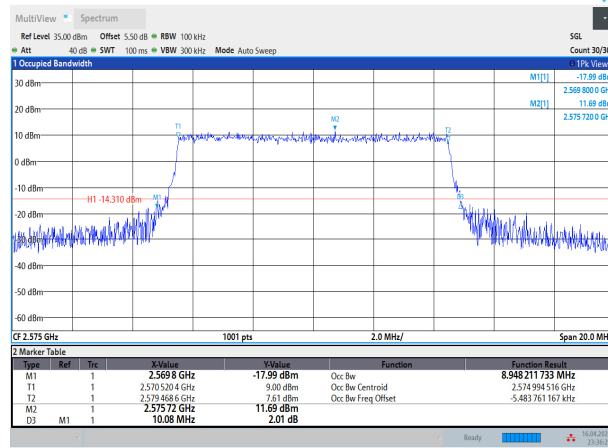
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### Band38-10MHz-64QAM-38200-50RB#0



23:39:41 16.04.2022

### Band38-10MHz-256QAM-37800-50RB#0



23:36:28 16.04.2022



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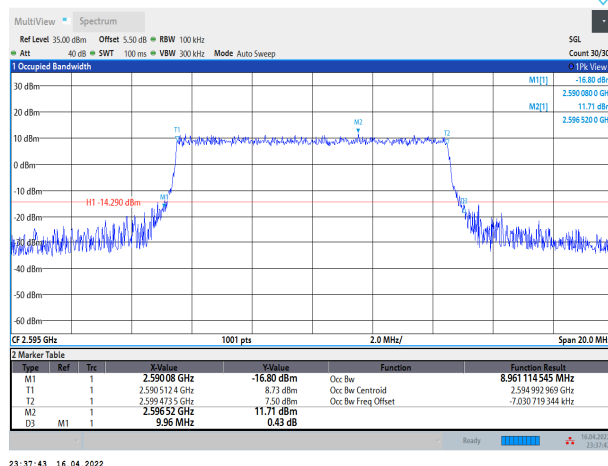
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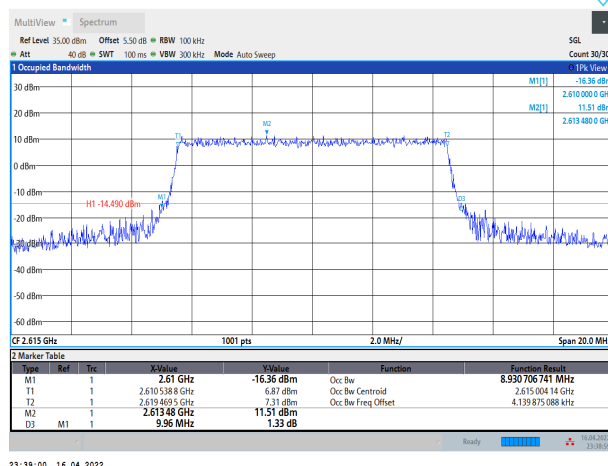
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### Band38-10MHz-256QAM-38000-50RB#0



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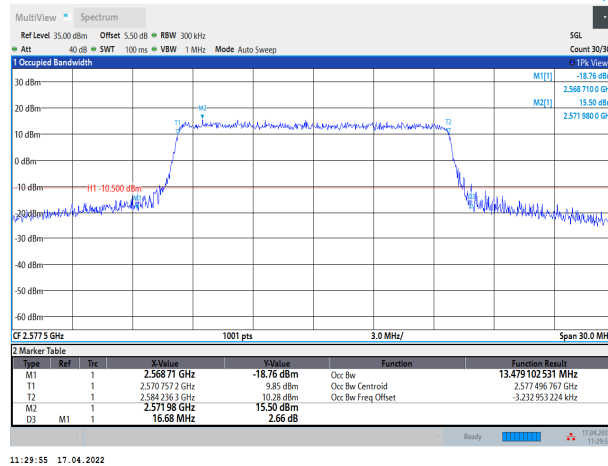


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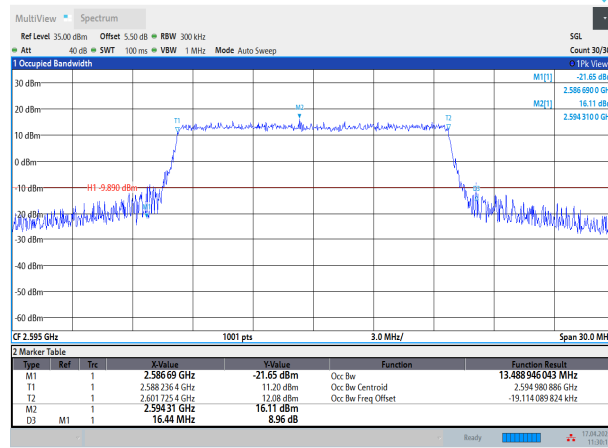
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### Band38-15MHz-QPSK-37825-75RB#0



11:29:55 17.04.2022

### Band38-15MHz-QPSK-38000-75RB#0



11:30:13 17.04.2022



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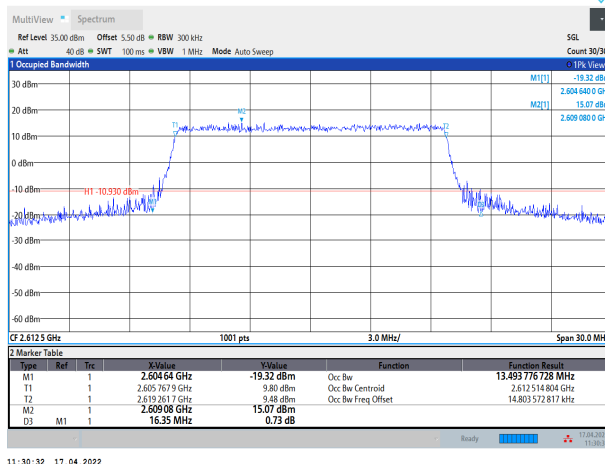
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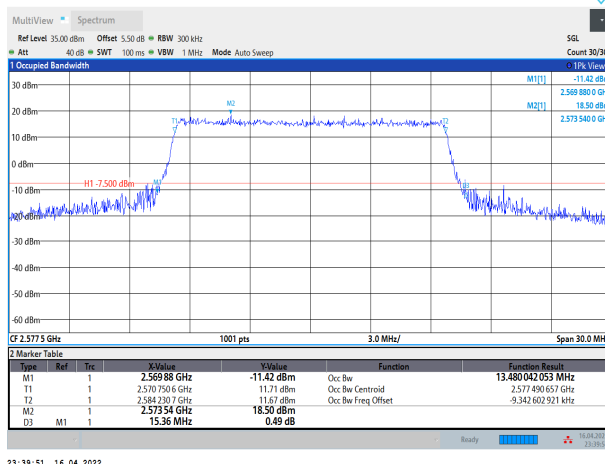
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### Band38-15MHz-QPSK-38175-75RB#0



### Band38-15MHz-16QAM-37825-75RB#0

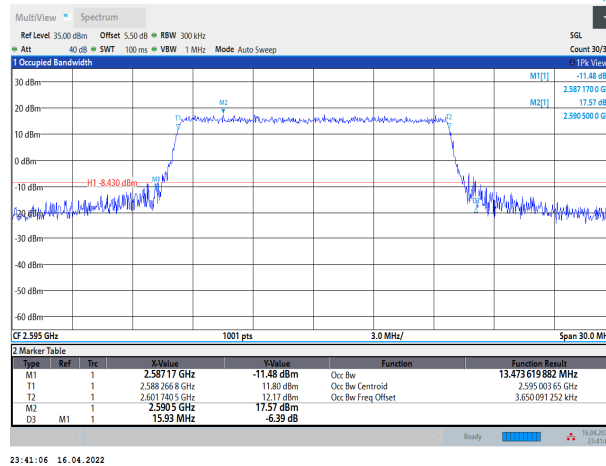


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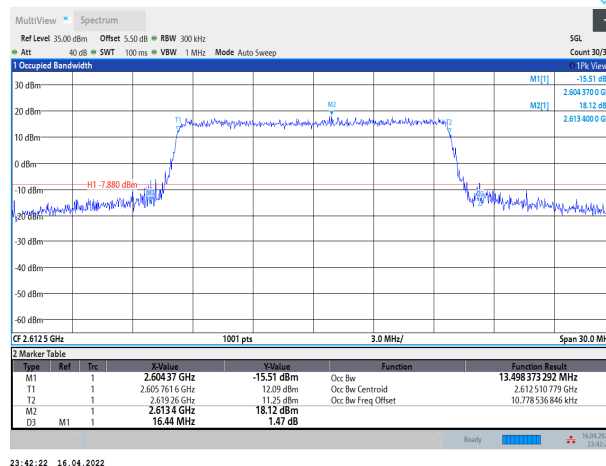
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### Band38-15MHz-16QAM-38000-75RB#0



### Band38-15MHz-16QAM-38175-75RB#0



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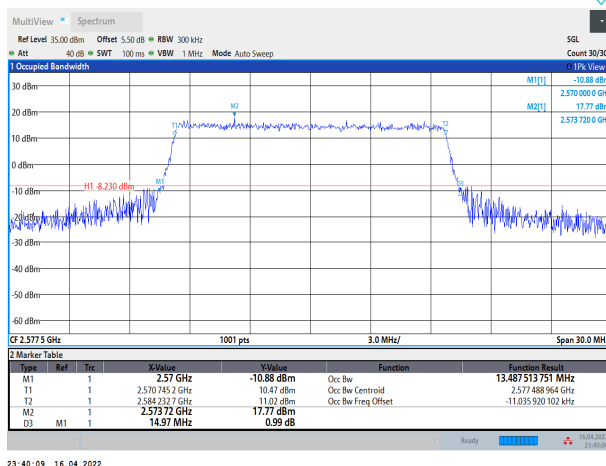
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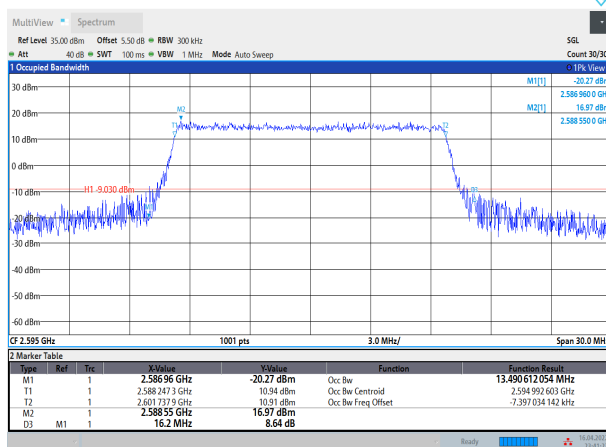
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### Band38-15MHz-64QAM-37825-75RB#0



23:40:09 16.04.2022

### Band38-15MHz-64QAM-38000-75RB#0



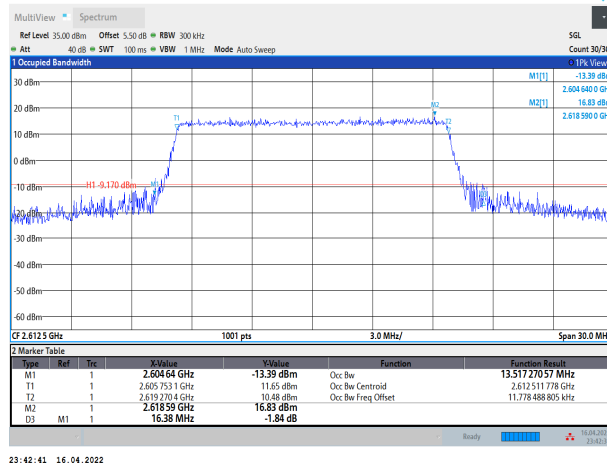
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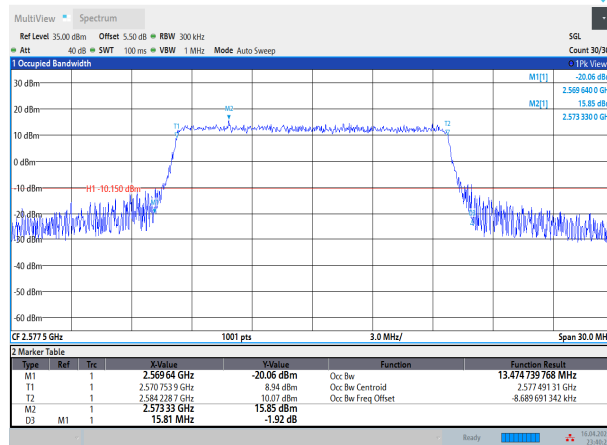
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### Band38-15MHz-64QAM-38175-75RB#0



23:42:41 16.04.2022

### Band38-15MHz-256QAM-37825-75RB#0



23:40:27 16.04.2022



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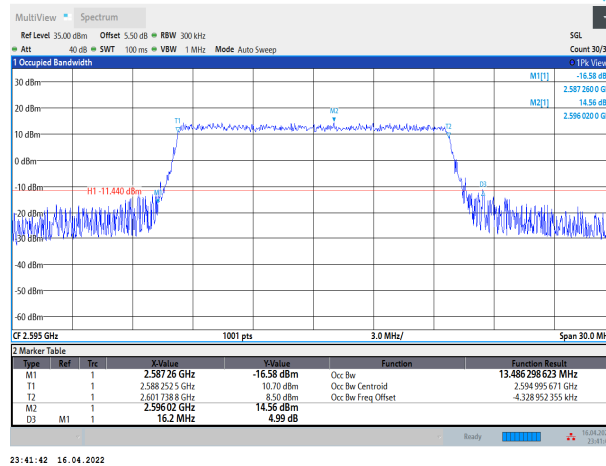
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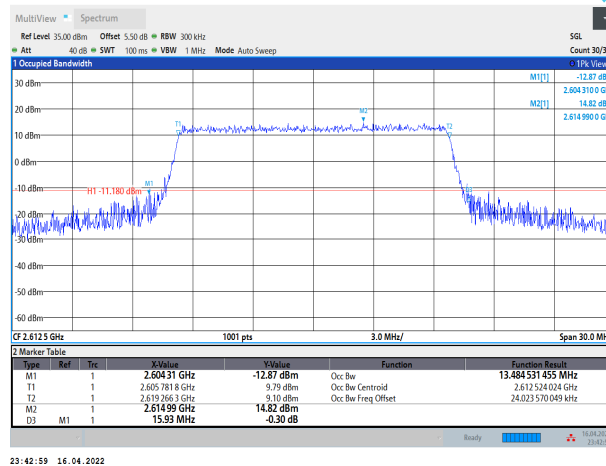
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### Band38-15MHz-256QAM-38000-75RB#0



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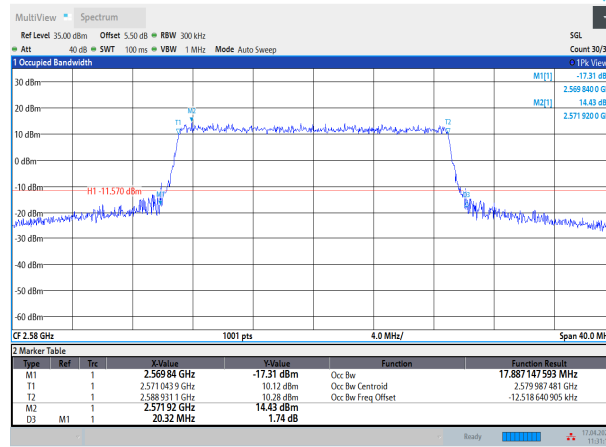


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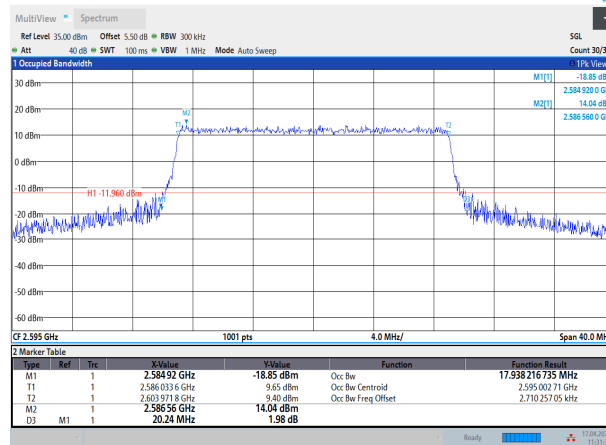
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### Band38-20MHz-QPSK-37850-100RB#0



11:31:19 17.04.2022

### Band38-20MHz-QPSK-38000-100RB#0



11:31:37 17.04.2022



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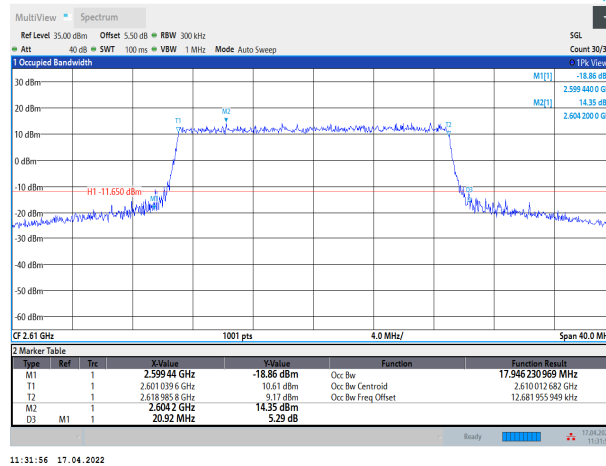
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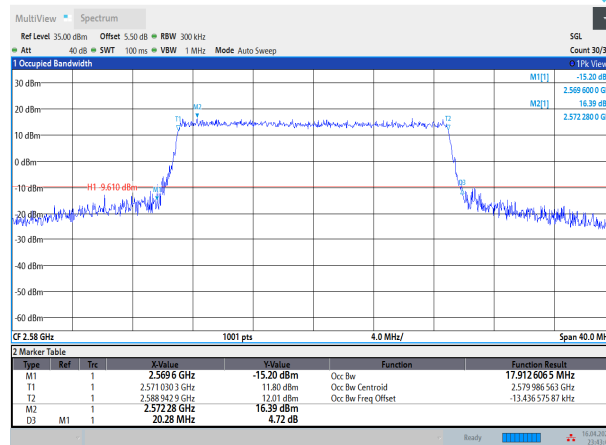
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### Band38-20MHz-QPSK-38150-100RB#0



11:31:56 17.04.2022

### Band38-20MHz-16QAM-37850-100RB#0



23:43:50 16.04.2022



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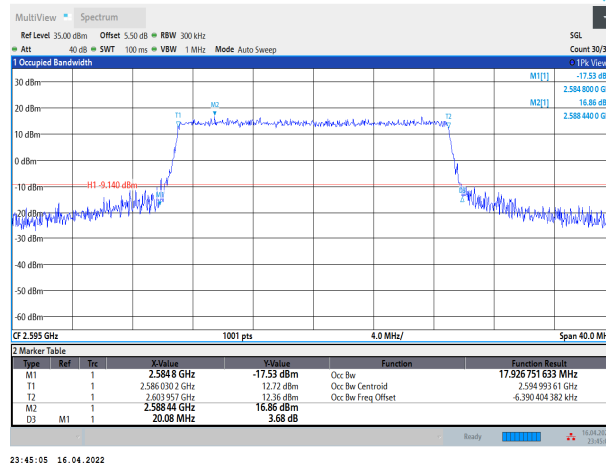
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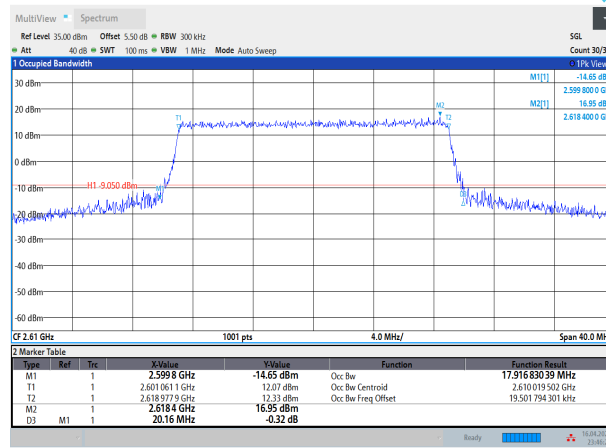
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### Band38-20MHz-16QAM-38000-100RB#0



23:45:05 16.04.2022

### Band38-20MHz-16QAM-38150-100RB#0



23:46:22 16.04.2022



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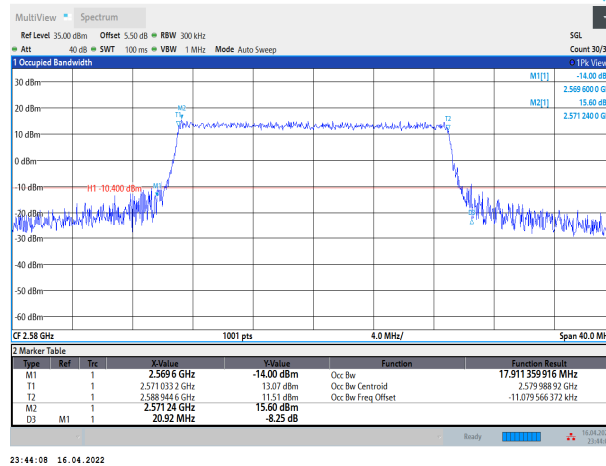
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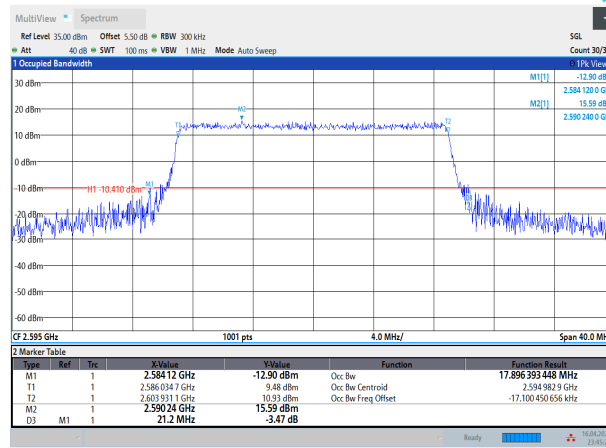
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23:44:08 16.04.2022

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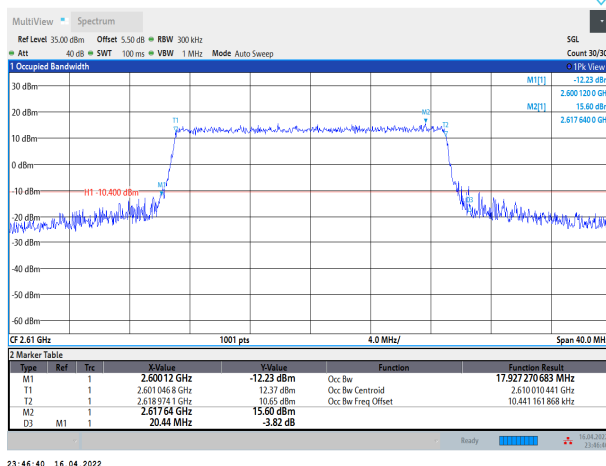
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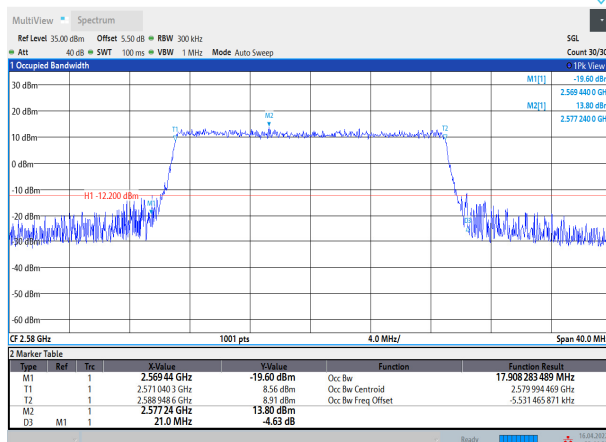
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### Band38-20MHz-64QAM-38150-100RB#0



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### Band38-20MHz-256QAM-37850-100RB#0



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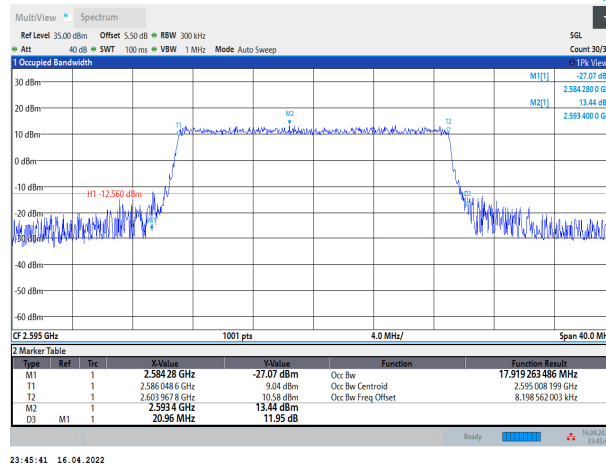
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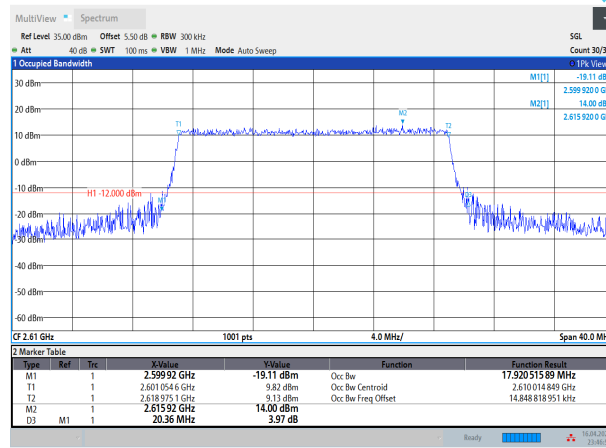
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### Band38-20MHz-256QAM-38000-100RB#0



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### Band38-20MHz-256QAM-38150-100RB#0



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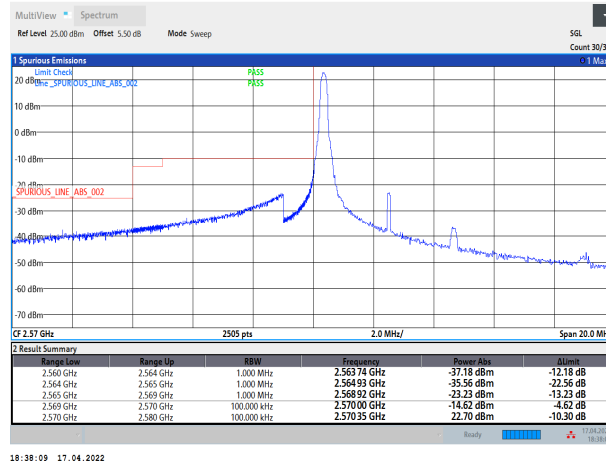
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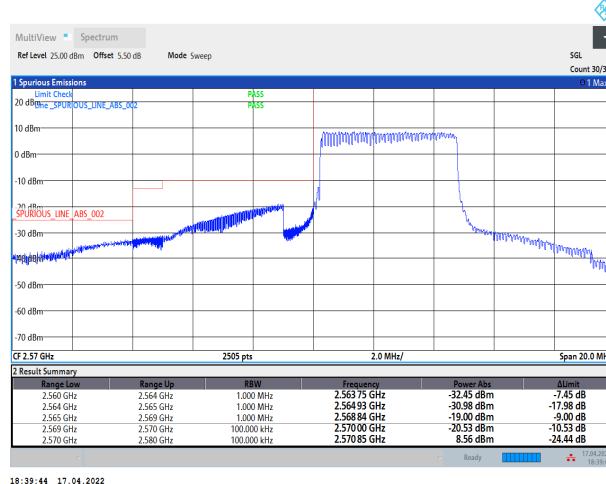
### Band Edge

### Test Graphs

#### Band38-5MHz-QPSK-37775-1RB#0



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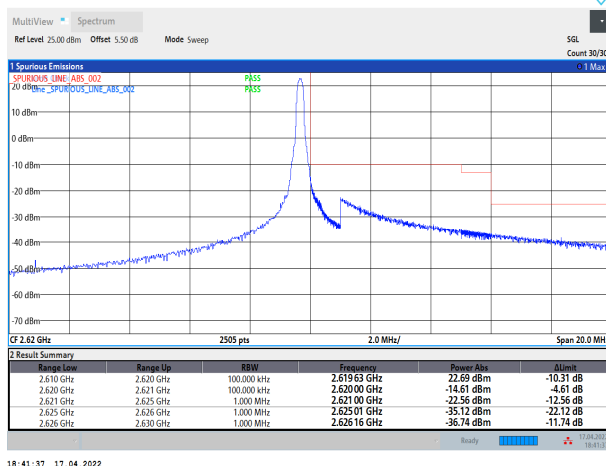


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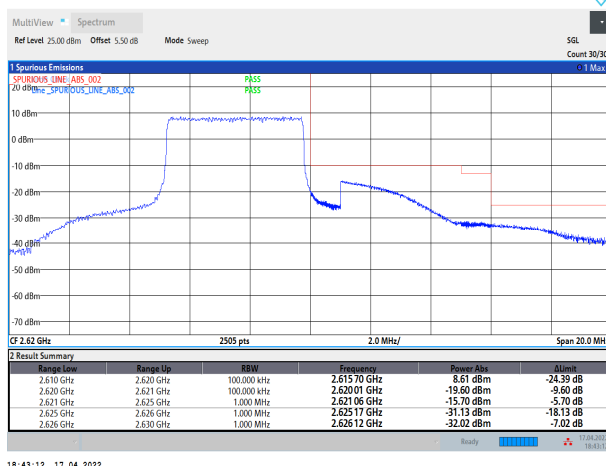
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### Band38-5MHz-QPSK-38225-1RB#24



### Band38-5MHz-QPSK-38225-25RB#0

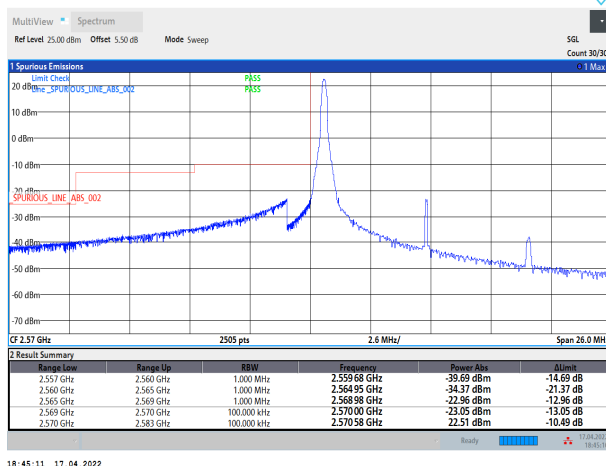


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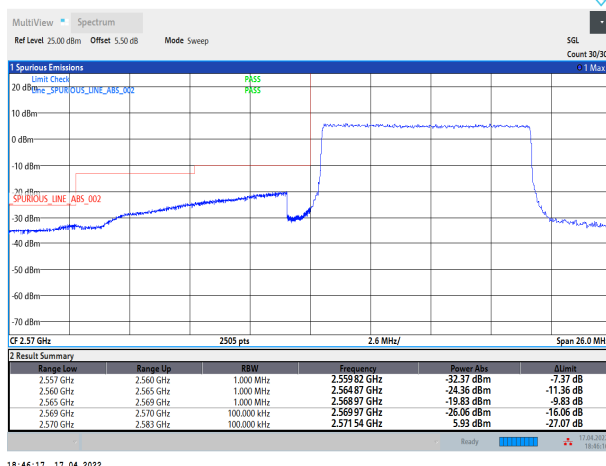
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### Band38-10MHz-QPSK-37800-1RB#0



### Band38-10MHz-QPSK-37800-50RB#0



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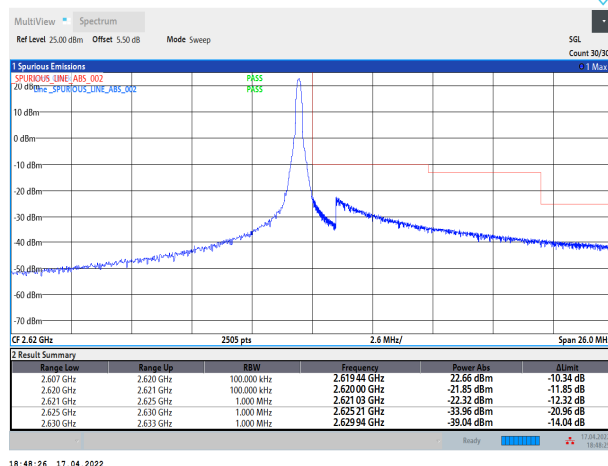
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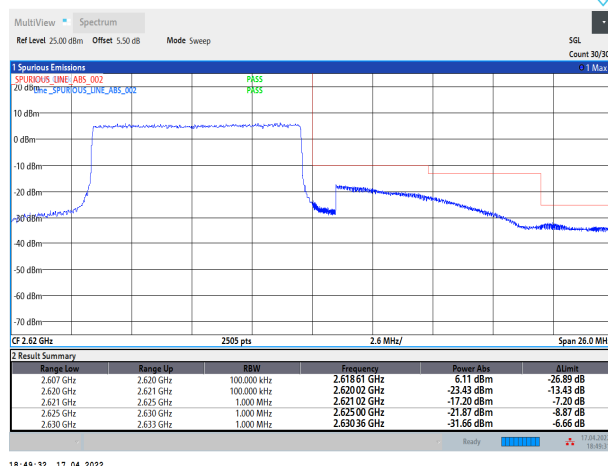
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### Band38-10MHz-QPSK-38200-1RB#49



### Band38-10MHz-QPSK-38200-50RB#0



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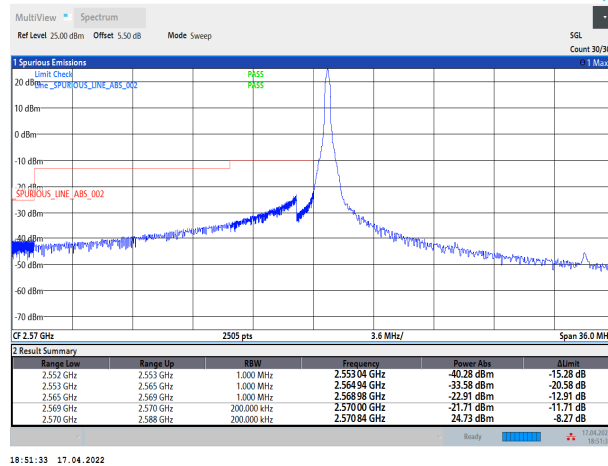
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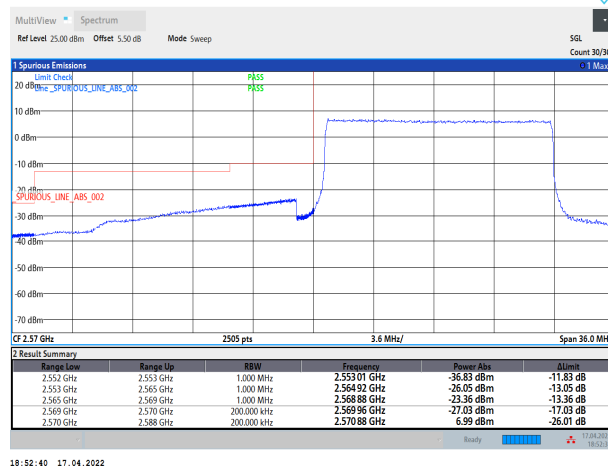
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### Band38-15MHz-QPSK-37825-1RB#0



### Band38-15MHz-QPSK-37825-75RB#0



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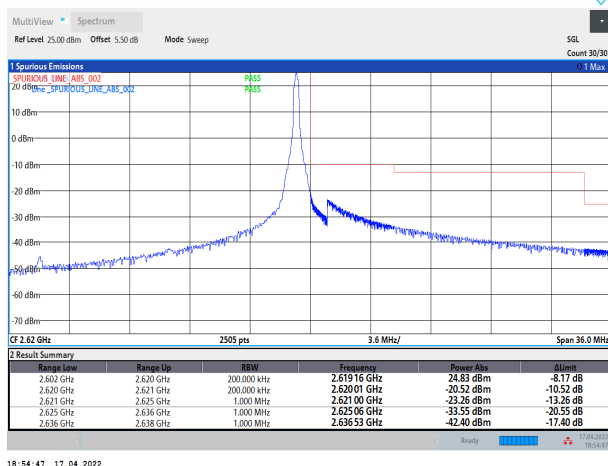
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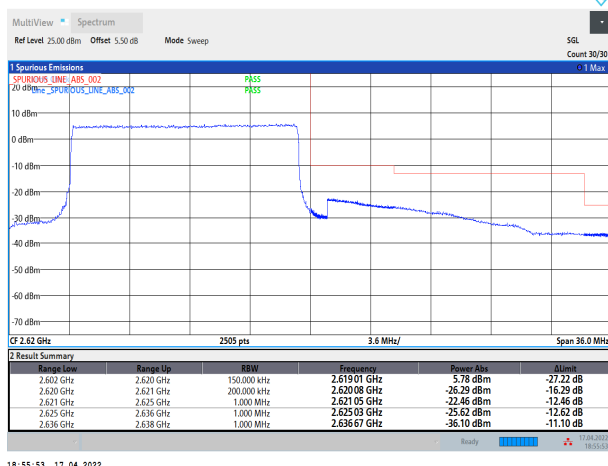
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### Band38-15MHz-QPSK-38175-1RB#74



### Band38-15MHz-QPSK-38175-75RB#0



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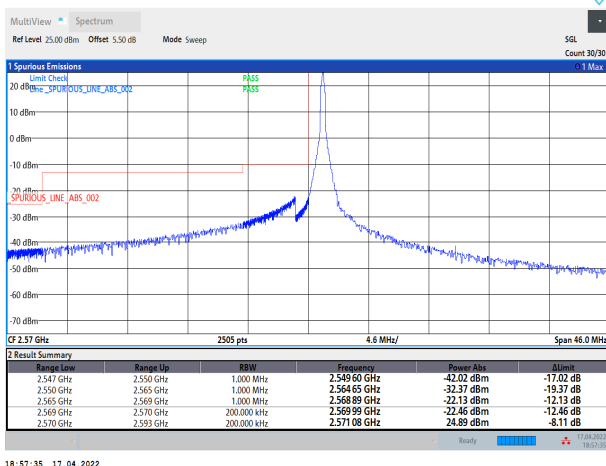
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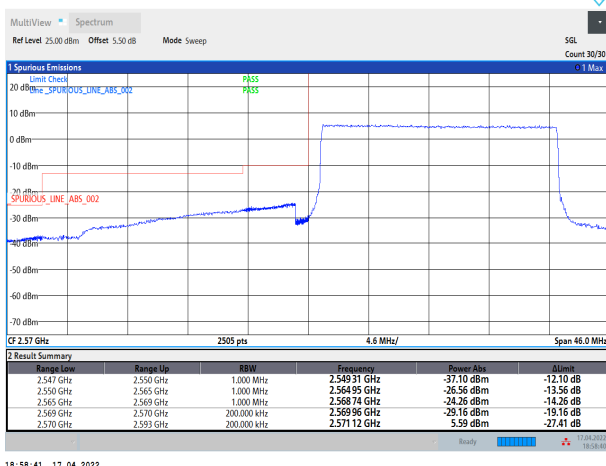
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### Band38-20MHz-QPSK-37850-1RB#0



18:57:35 17.04.2022

### Band38-20MHz-QPSK-37850-100RB#0



18:58:41 17.04.2022



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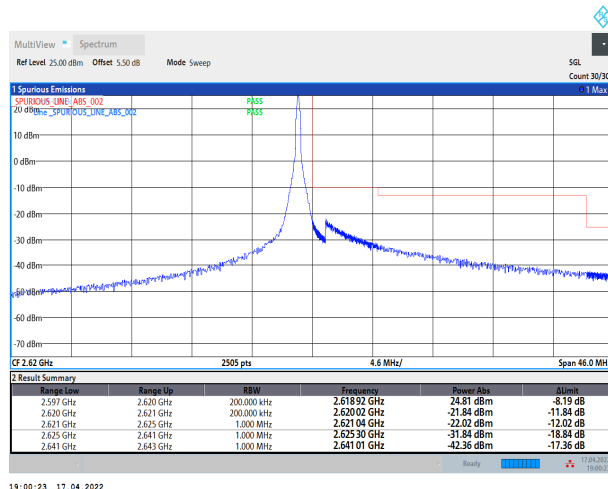


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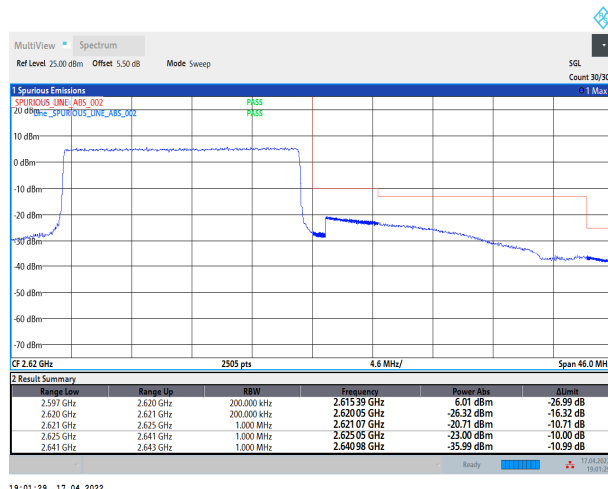
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Band38-20MHz-QPSK-38150-1RB#99



Band38-20MHz-QPSK-38150-100RB#0



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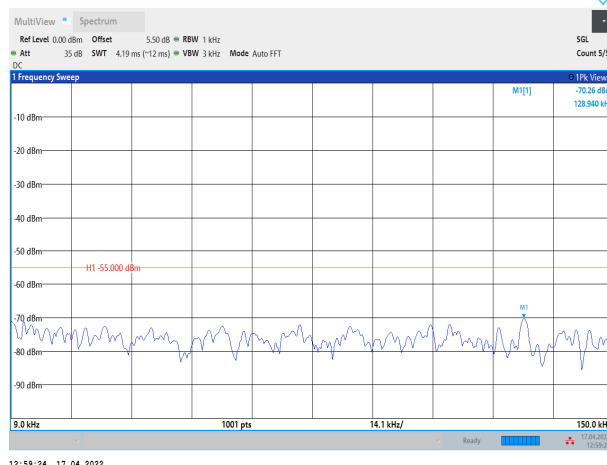
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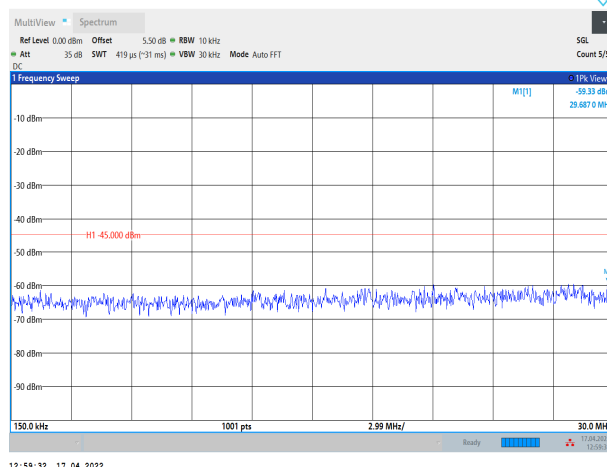
### Conducted Spurious Emission

#### Test Graphs

Band38-20MHz-QPSK-37850-1RB#0-Range1:0.009~0.15MHz



Band38-20MHz-QPSK-37850-1RB#0-Range2:0.15~30MHz



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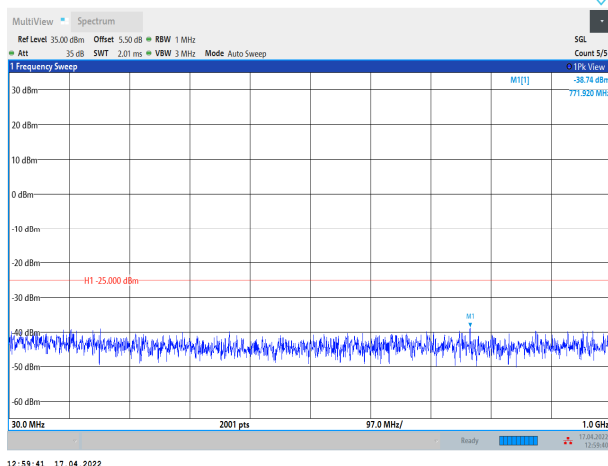
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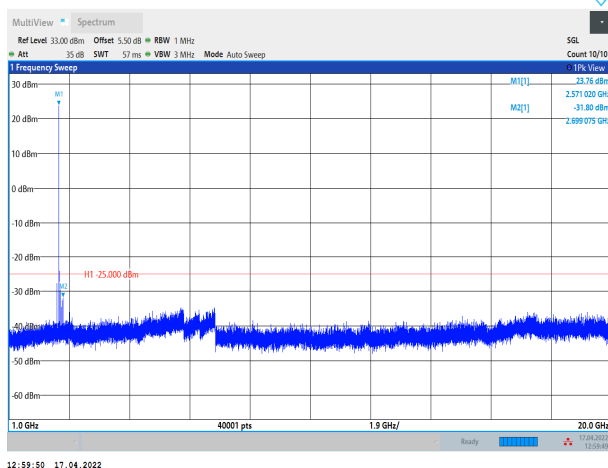
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### Band38-20MHz-QPSK-37850-1RB#0-Range3:30~1000MHz



### Band38-20MHz-QPSK-37850-1RB#0-Range4:1000~20000MHz



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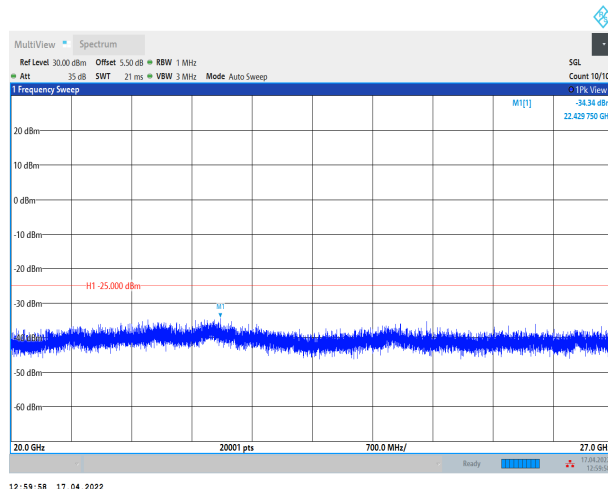


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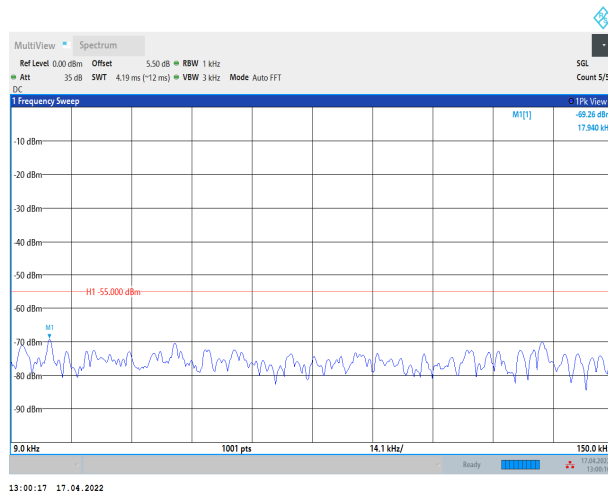
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Band38-20MHz-QPSK-37850-1RB#0-Range5:20000~27000MHz



Band38-20MHz-QPSK-38000-1RB#0-Range1:0.009~0.15MHz

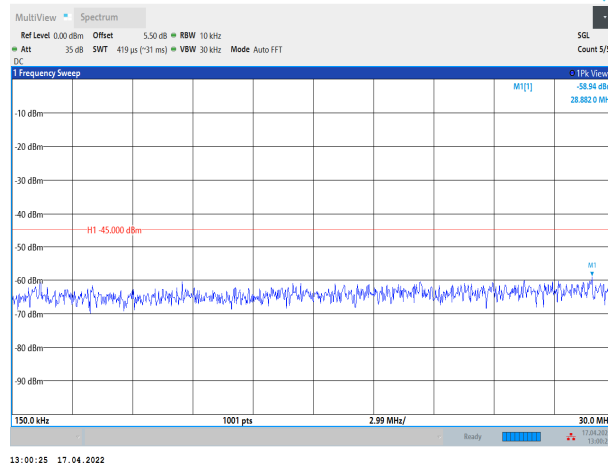


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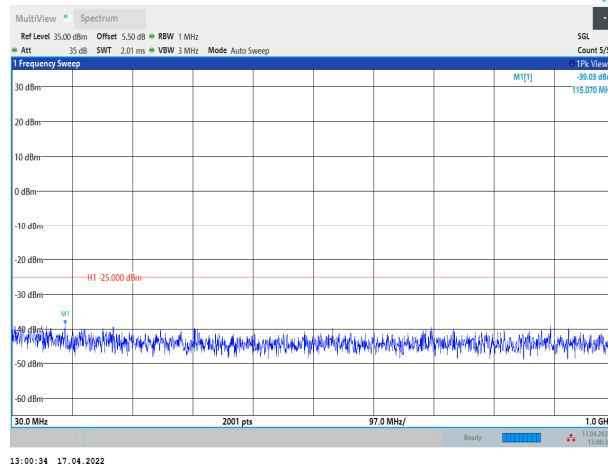
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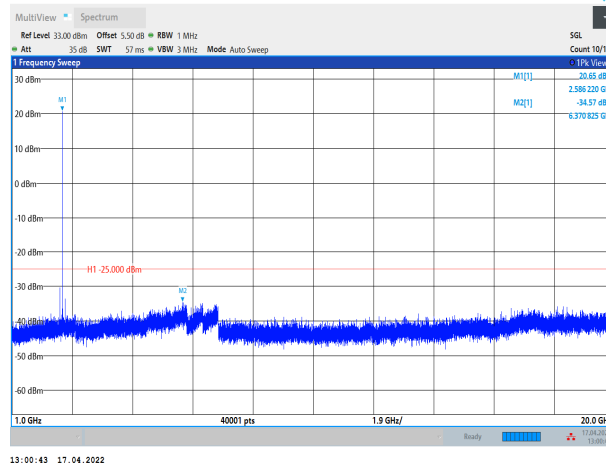


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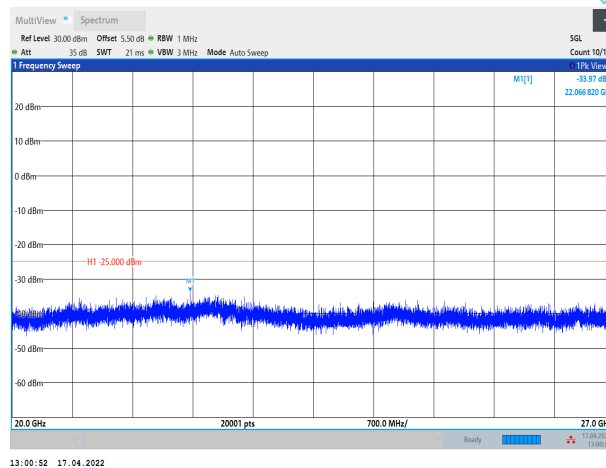
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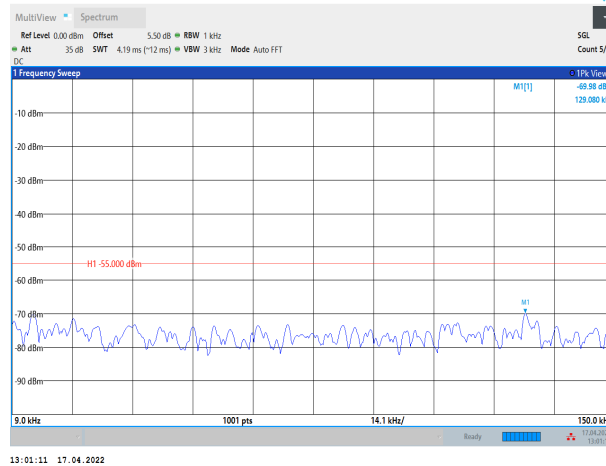
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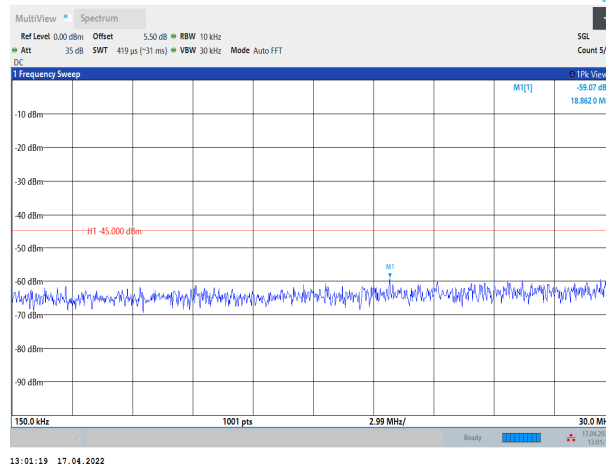
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Band38-20MHz-QPSK-38150-1RB#0-Range1:0.009~0.15MHz



Band38-20MHz-QPSK-38150-1RB#0-Range2:0.15~30MHz



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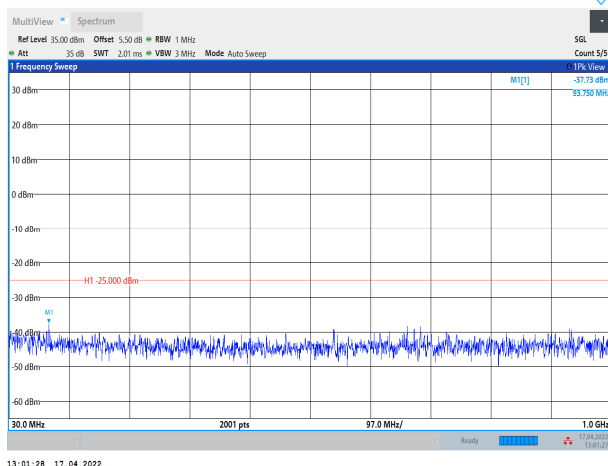
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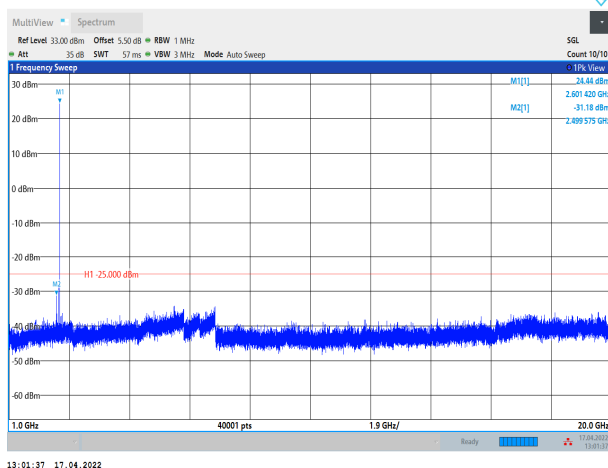
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### Band38-20MHz-QPSK-38150-1RB#0-Range3:30~1000MHz



### Band38-20MHz-QPSK-38150-1RB#0-Range4:1000~20000MHz



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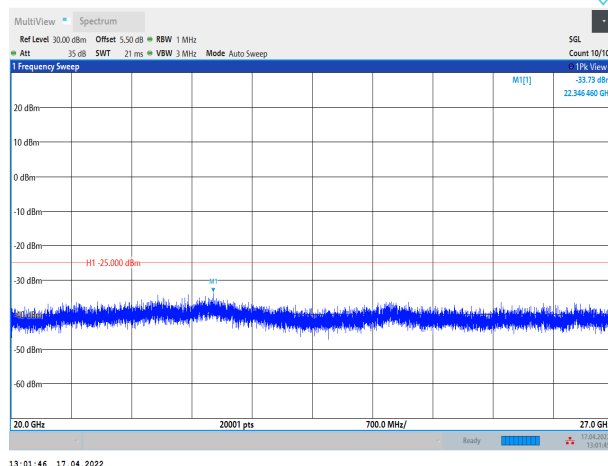


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Band38-20MHz-QPSK-38150-1RB#0-Range5:20000~27000MHz



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## Field Strength of Spurious Radiation

**Test Band = LTE Band 38\_ 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] | Polarity   |
| 1               | 5142.1800          | 39.89             | -45.33         | 31.74    | -68.96         | -25.00         | 43.96          | Horizontal |
| 2               | 7713.2700          | 37.19             | -43.01         | 36.69    | -64.40         | -25.00         | 39.40          | Horizontal |
| 3               | 10284.3600         | 29.84             | -39.15         | 38.34    | -66.23         | -25.00         | 41.23          | Horizontal |
| 4               | 12855.4500         | 26.29             | -36.99         | 39.06    | -66.90         | -25.00         | 41.90          | Horizontal |
| 5               | 15426.5400         | 24.14             | -34.00         | 40.40    | -64.71         | -25.00         | 39.71          | Horizontal |
| 6               | 17997.6300         | 26.63             | -34.58         | 46.79    | -56.42         | -25.00         | 31.42          | 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] | Polarity |
| 1               | 5142.1800          | 40.52             | -45.33         | 31.74    | -68.33         | -25.00         | 43.33          | Vertical |
| 2               | 7713.2700          | 37.44             | -43.01         | 36.69    | -64.15         | -25.00         | 39.15          | Vertical |
| 3               | 10284.3600         | 29.97             | -39.15         | 38.34    | -66.10         | -25.00         | 41.10          | Vertical |
| 4               | 12855.4500         | 26.14             | -36.99         | 39.06    | -67.05         | -25.00         | 42.05          | Vertical |
| 5               | 15426.5400         | 23.42             | -34.00         | 40.40    | -65.43         | -25.00         | 40.43          | Vertical |
| 6               | 17997.6300         | 26.35             | -34.58         | 46.79    | -56.70         | -25.00         | 31.70          | Vertical |



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**Test Band = LTE Band 38\_ TM1**
**Test Channel = Mid 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] | Polarity   |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|------------|
| 1   | 5172.1800          | 42.35             | -45.30         | 31.81    | -66.40         | -25.00         | 41.40          | Horizontal |
| 2   | 7758.2700          | 37.41             | -42.65         | 36.70    | -63.79         | -25.00         | 38.79          | Horizontal |
| 3   | 10344.3600         | 30.02             | -39.05         | 38.37    | -65.92         | -25.00         | 40.92          | Horizontal |
| 4   | 12930.4500         | 25.33             | -37.18         | 39.08    | -68.03         | -25.00         | 43.03          | Horizontal |
| 5   | 15516.5400         | 22.90             | -35.30         | 40.21    | -67.45         | -25.00         | 42.45          | Horizontal |
| 6   | 17203.5            | 29.46             | -35.01         | 43.22    | -57.59         | -25.00         | 32.59          | 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] | Polarity |
|-----|--------------------|-------------------|----------------|----------|----------------|----------------|----------------|----------|
| 1   | 5172.1800          | 40.73             | -45.30         | 31.81    | -68.02         | -25.00         | 43.02          | Vertical |
| 2   | 7758.2700          | 39.42             | -42.65         | 36.70    | -61.78         | -25.00         | 36.78          | Vertical |
| 3   | 10344.3600         | 30.63             | -39.05         | 38.37    | -65.31         | -25.00         | 40.31          | Vertical |
| 4   | 12930.4500         | 26.07             | -37.18         | 39.08    | -67.29         | -25.00         | 42.29          | Vertical |
| 5   | 15516.5400         | 23.71             | -35.30         | 40.21    | -66.64         | -25.00         | 41.64          | Vertical |
| 6   | 17687.5            | 27.65             | -33.93         | 45.39    | -56.15         | -25.00         | 31.15          | Vertical |



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**Test Band = LTE Band 38\_ TM1**
**Test Channel = High Channel**

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 5202.1800       | 41.21          | -45.28      | 31.89    | -67.44      | -25.00      | 42.44       | Horizontal |
| 2               | 7803.2700       | 37.43          | -42.33      | 36.72    | -63.44      | -25.00      | 38.44       | Horizontal |
| 3               | 10404.3600      | 30.07          | -39.00      | 38.40    | -65.79      | -25.00      | 40.79       | Horizontal |
| 4               | 13005.4500      | 26.57          | -37.31      | 39.11    | -66.89      | -25.00      | 41.89       | Horizontal |
| 5               | 15606.5400      | 22.99          | -34.87      | 40.03    | -67.12      | -25.00      | 42.12       | Horizontal |
| 6               | 17753           | 29.51          | -34.35      | 45.69    | -54.41      | -25.00      | 29.41       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 5202.1800       | 40.65          | -45.28      | 31.89    | -68.00      | -25.00      | 43.00       | Vertical |
| 2               | 7803.2700       | 38.38          | -42.33      | 36.72    | -62.49      | -25.00      | 37.49       | Vertical |
| 3               | 10404.3600      | 30.17          | -39.00      | 38.40    | -65.69      | -25.00      | 40.69       | Vertical |
| 4               | 13005.4500      | 25.59          | -37.31      | 39.11    | -67.87      | -25.00      | 42.87       | Vertical |
| 5               | 15606.5400      | 23.34          | -34.87      | 40.03    | -66.77      | -25.00      | 41.77       | Vertical |
| 6               | 17848.5         | 29.67          | -34.57      | 46.12    | -54.04      | -25.00      | 29.04       | 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 |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VL            | NT               | -0.70          | -0.000270       | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VN            | NT               | -1.60          | -0.000617       | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VH            | NT               | -1.40          | -0.000539       | PASS    |

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | -30              | -0.20          | -0.000077       | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | -20              | -1.90          | -0.000732       | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | -10              | 0.90           | 0.000347        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 0                | 0.50           | 0.000193        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 10               | -1.40          | -0.000539       | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 20               | 0.30           | 0.000116        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 30               | -1.90          | -0.000732       | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 40               | -2.50          | -0.000963       | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 50               | 0.00           | 0.000000        | PASS    |

---End of Attachment---



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