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# Appendix B.13

## LTE Band 38



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## Effective (Isotropic) Radiated Power Output Data

### Test ResultAnt7

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | EIRP(dBm) | Limit(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|-----------|------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 25.53       | 27.22     | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#12           | 25.53       | 27.22     | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#24           | 25.21       | 26.9      | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 24.17       | 25.86     | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 25.34       | 27.03     | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#12           | 25.29       | 26.98     | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#24           | 25.11       | 26.8      | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 24.16       | 25.85     | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 25.55       | 27.24     | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#12           | 25.23       | 26.92     | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#24           | 24.98       | 26.67     | 33         | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 24.21       | 25.9      | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0            | 24.46       | 26.15     | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#12           | 24.34       | 26.03     | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#24           | 24.21       | 25.9      | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 23.14       | 24.83     | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0            | 24.44       | 26.13     | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#12           | 24.58       | 26.27     | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#24           | 24.3        | 25.99     | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 23.13       | 24.82     | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#0            | 24.52       | 26.21     | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#12           | 24.41       | 26.1      | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 1RB#24           | 24.33       | 26.02     | 33         | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 23.31       | 25        | 33         | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#0            | 23.27       | 24.96     | 33         | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#12           | 23.26       | 24.95     | 33         | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#24           | 23.12       | 24.81     | 33         | PASS    |



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|--------|-------|--------|-------|--------|-------|-------|----|------|
| Band38 | 5MHz  | 64QAM  | 37775 | 25RB#0 | 22.25 | 23.94 | 33 | PASS |
| Band38 | 5MHz  | 64QAM  | 38000 | 1RB#0  | 23.16 | 24.85 | 33 | PASS |
| Band38 | 5MHz  | 64QAM  | 38000 | 1RB#12 | 23.18 | 24.87 | 33 | PASS |
| Band38 | 5MHz  | 64QAM  | 38000 | 1RB#24 | 23.03 | 24.72 | 33 | PASS |
| Band38 | 5MHz  | 64QAM  | 38000 | 25RB#0 | 22.34 | 24.03 | 33 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 1RB#0  | 23.32 | 25.01 | 33 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 1RB#12 | 23.36 | 25.05 | 33 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 1RB#24 | 23.18 | 24.87 | 33 | PASS |
| Band38 | 5MHz  | 64QAM  | 38225 | 25RB#0 | 22.35 | 24.04 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 37775 | 1RB#0  | 20.33 | 22.02 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 37775 | 1RB#12 | 20.33 | 22.02 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 37775 | 1RB#24 | 20.12 | 21.81 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 37775 | 25RB#0 | 20.25 | 21.94 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 38000 | 1RB#0  | 20.44 | 22.13 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 38000 | 1RB#12 | 20.36 | 22.05 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 38000 | 1RB#24 | 20.04 | 21.73 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 38000 | 25RB#0 | 20.27 | 21.96 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 1RB#0  | 20.27 | 21.96 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 1RB#12 | 20.23 | 21.92 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 1RB#24 | 20.15 | 21.84 | 33 | PASS |
| Band38 | 5MHz  | 256QAM | 38225 | 25RB#0 | 20.39 | 22.08 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 1RB#0  | 25.28 | 26.97 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 1RB#24 | 25.34 | 27.03 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 1RB#49 | 25.15 | 26.84 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 37800 | 50RB#0 | 24.38 | 26.07 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 1RB#0  | 25.6  | 27.29 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 1RB#24 | 25.42 | 27.11 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 1RB#49 | 25.29 | 26.98 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 38000 | 50RB#0 | 24.35 | 26.04 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 38200 | 1RB#0  | 25.7  | 27.39 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 38200 | 1RB#24 | 25.33 | 27.02 | 33 | PASS |
| Band38 | 10MHz | QPSK   | 38200 | 1RB#49 | 25.26 | 26.95 | 33 | PASS |



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|--------|-------|--------|-------|--------|-------|-------|----|------|
| Band38 | 10MHz | QPSK   | 38200 | 50RB#0 | 24.46 | 26.15 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 1RB#0  | 24.59 | 26.28 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 1RB#24 | 24.54 | 26.23 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 1RB#49 | 24.43 | 26.12 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 37800 | 50RB#0 | 23.4  | 25.09 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 1RB#0  | 24.58 | 26.27 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 1RB#24 | 24.6  | 26.29 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 1RB#49 | 24.48 | 26.17 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 38000 | 50RB#0 | 23.39 | 25.08 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 1RB#0  | 24.6  | 26.29 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 1RB#24 | 24.54 | 26.23 | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 1RB#49 | 24.51 | 26.2  | 33 | PASS |
| Band38 | 10MHz | 16QAM  | 38200 | 50RB#0 | 23.45 | 25.14 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 1RB#0  | 23.44 | 25.13 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 1RB#24 | 23.48 | 25.17 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 1RB#49 | 23.24 | 24.93 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 37800 | 50RB#0 | 22.42 | 24.11 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 1RB#0  | 23.32 | 25.01 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 1RB#24 | 23.5  | 25.19 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 1RB#49 | 23.4  | 25.09 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 38000 | 50RB#0 | 22.49 | 24.18 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 1RB#0  | 23.43 | 25.12 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 1RB#24 | 23.34 | 25.03 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 1RB#49 | 23.4  | 25.09 | 33 | PASS |
| Band38 | 10MHz | 64QAM  | 38200 | 50RB#0 | 22.42 | 24.11 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#0  | 20.48 | 22.17 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#24 | 20.54 | 22.23 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#49 | 20.31 | 22    | 33 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 50RB#0 | 20.59 | 22.28 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#0  | 20.46 | 22.15 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#24 | 20.41 | 22.1  | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#49 | 20.34 | 22.03 | 33 | PASS |



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|--------|-------|--------|-------|--------|-------|-------|----|------|
| Band38 | 10MHz | 256QAM | 38000 | 50RB#0 | 20.6  | 22.29 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#0  | 20.49 | 22.18 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#24 | 20.52 | 22.21 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#49 | 20.35 | 22.04 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 50RB#0 | 20.52 | 22.21 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 1RB#0  | 25.35 | 27.04 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 1RB#38 | 25.41 | 27.1  | 33 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 1RB#74 | 25.39 | 27.08 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 37825 | 75RB#0 | 24.55 | 26.24 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 1RB#0  | 25.44 | 27.13 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 1RB#38 | 25.34 | 27.03 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 1RB#74 | 25.32 | 27.01 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 38000 | 75RB#0 | 24.42 | 26.11 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 1RB#0  | 25.65 | 27.34 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 1RB#38 | 25.39 | 27.08 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 1RB#74 | 25.46 | 27.15 | 33 | PASS |
| Band38 | 15MHz | QPSK   | 38175 | 75RB#0 | 24.4  | 26.09 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 1RB#0  | 24.56 | 26.25 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 1RB#38 | 24.43 | 26.12 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 1RB#74 | 24.59 | 26.28 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 37825 | 75RB#0 | 23.55 | 25.24 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 1RB#0  | 24.54 | 26.23 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 1RB#38 | 24.54 | 26.23 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 1RB#74 | 24.51 | 26.2  | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 38000 | 75RB#0 | 23.52 | 25.21 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 1RB#0  | 24.69 | 26.38 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 1RB#38 | 24.64 | 26.33 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 1RB#74 | 24.65 | 26.34 | 33 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 75RB#0 | 23.48 | 25.17 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 1RB#0  | 23.44 | 25.13 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 1RB#38 | 23.29 | 24.98 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 1RB#74 | 23.46 | 25.15 | 33 | PASS |



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| Band38 | 15MHz | 64QAM  | 37825 | 75RB#0  | 22.63 | 24.32 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 1RB#0   | 23.42 | 25.11 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 1RB#38  | 23.28 | 24.97 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 1RB#74  | 23.46 | 25.15 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 75RB#0  | 22.39 | 24.08 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 1RB#0   | 23.4  | 25.09 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 1RB#38  | 23.25 | 24.94 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 1RB#74  | 23.55 | 25.24 | 33 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 75RB#0  | 22.49 | 24.18 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#0   | 20.51 | 22.2  | 33 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#38  | 20.4  | 22.09 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#74  | 20.43 | 22.12 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 75RB#0  | 20.6  | 22.29 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#0   | 20.52 | 22.21 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#38  | 20.43 | 22.12 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#74  | 20.49 | 22.18 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 75RB#0  | 20.58 | 22.27 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#0   | 20.36 | 22.05 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#38  | 20.48 | 22.17 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#74  | 20.47 | 22.16 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 75RB#0  | 20.37 | 22.06 | 33 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 1RB#0   | 25.19 | 26.88 | 33 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 1RB#49  | 25.19 | 26.88 | 33 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 1RB#99  | 25.41 | 27.1  | 33 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 100RB#0 | 24.37 | 26.06 | 33 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 1RB#0   | 25.65 | 27.34 | 33 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 1RB#49  | 25.4  | 27.09 | 33 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 1RB#99  | 25.3  | 26.99 | 33 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 100RB#0 | 24.36 | 26.05 | 33 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 1RB#0   | 25.67 | 27.36 | 33 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 1RB#49  | 25.37 | 27.06 | 33 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 1RB#99  | 25.35 | 27.04 | 33 | PASS |



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|--------|-------|--------|-------|---------|-------|-------|----|------|
| Band38 | 20MHz | QPSK   | 38150 | 100RB#0 | 24.55 | 26.24 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 1RB#0   | 24.53 | 26.22 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 1RB#49  | 24.62 | 26.31 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 1RB#99  | 24.74 | 26.43 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 100RB#0 | 23.48 | 25.17 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 1RB#0   | 24.58 | 26.27 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 1RB#49  | 24.62 | 26.31 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 1RB#99  | 24.52 | 26.21 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 100RB#0 | 23.51 | 25.2  | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 1RB#0   | 24.67 | 26.36 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 1RB#49  | 24.65 | 26.34 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 1RB#99  | 24.79 | 26.48 | 33 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 100RB#0 | 23.52 | 25.21 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 1RB#0   | 23.39 | 25.08 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 1RB#49  | 23.23 | 24.92 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 1RB#99  | 23.49 | 25.18 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 100RB#0 | 22.42 | 24.11 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 1RB#0   | 23.3  | 24.99 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 1RB#49  | 23.38 | 25.07 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 1RB#99  | 23.4  | 25.09 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 100RB#0 | 22.43 | 24.12 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 1RB#0   | 23.41 | 25.1  | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 1RB#49  | 23.45 | 25.14 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 1RB#99  | 23.52 | 25.21 | 33 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 100RB#0 | 22.56 | 24.25 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#0   | 20.37 | 22.06 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#49  | 20.42 | 22.11 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#99  | 20.41 | 22.1  | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 100RB#0 | 20.64 | 22.33 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#0   | 20.53 | 22.22 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#49  | 20.48 | 22.17 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#99  | 20.63 | 22.32 | 33 | PASS |



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| Band38 | 20MHz | 256QAM | 38000 | 100RB#0 | 20.54 | 22.23 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#0   | 20.35 | 22.04 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#49  | 20.48 | 22.17 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#99  | 20.54 | 22.23 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 100RB#0 | 20.57 | 22.26 | 33 | 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          | 8.96       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | 9.04       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | 8.88       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | 9.58       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0          | 9.60       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0          | 9.66       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0          | 9.86       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0          | 9.90       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0          | 9.70       | 13        | PASS    |
| Band38 | 20MHz     | 256QAM     | 37850   | 100RB#0          | 10.22      | 13        | PASS    |
| Band38 | 20MHz     | 256QAM     | 38000   | 100RB#0          | 10.20      | 13        | PASS    |
| Band38 | 20MHz     | 256QAM     | 38150   | 100RB#0          | 10.26      | 13        | PASS    |



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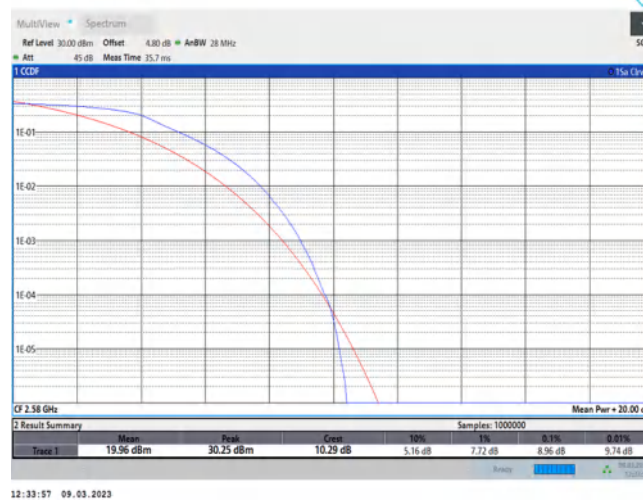
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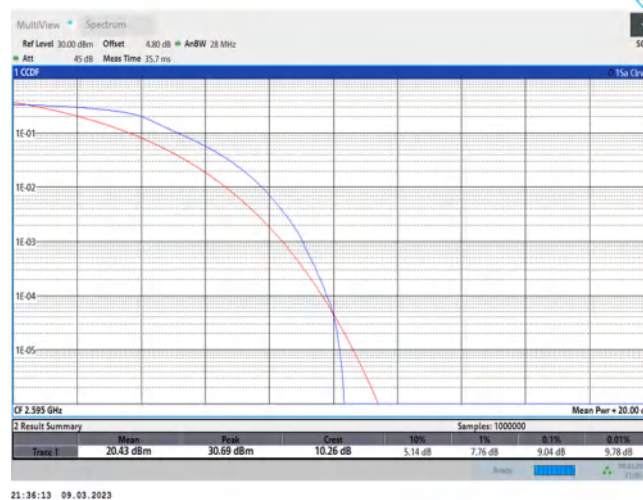
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### Test Graphs

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



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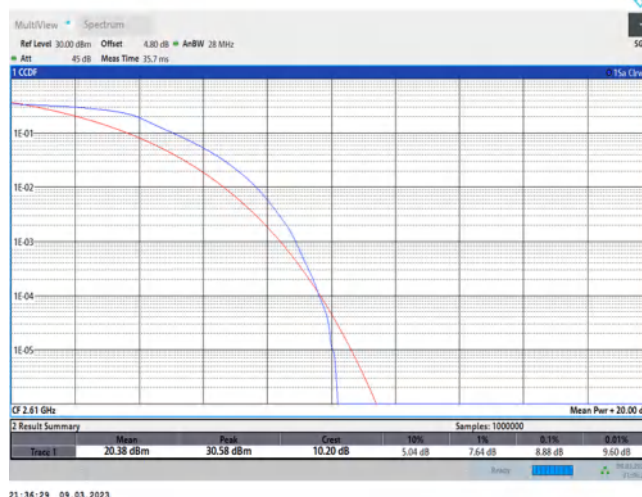
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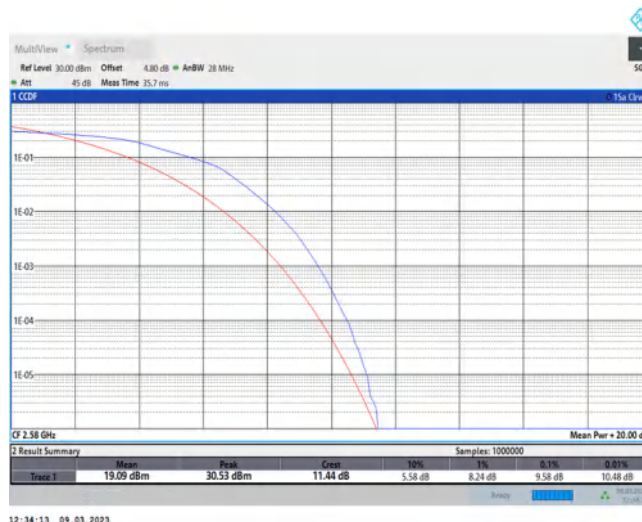
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### Band38-20MHz-16QAM-37850-100RB#0



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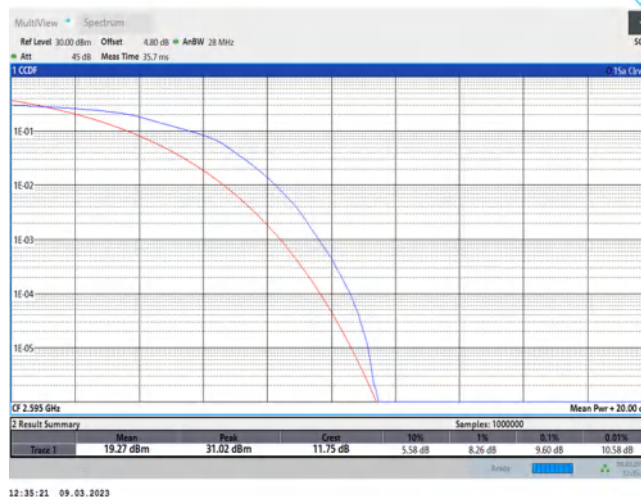
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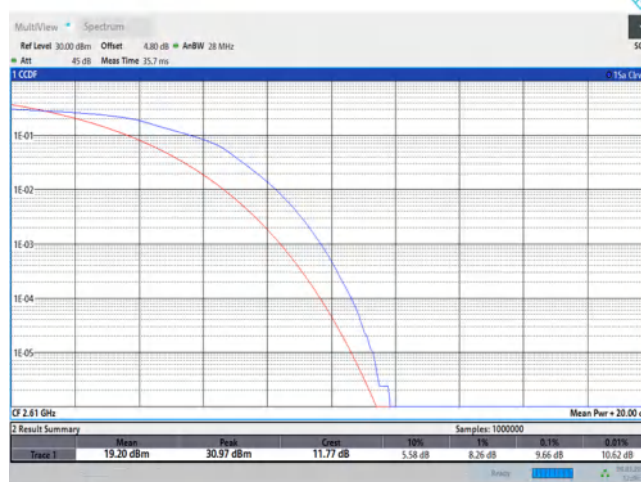
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### Band38-20MHz-16QAM-38000-100RB#0



12:35:21 09.03.2023

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



12:36:31 09.03.2023



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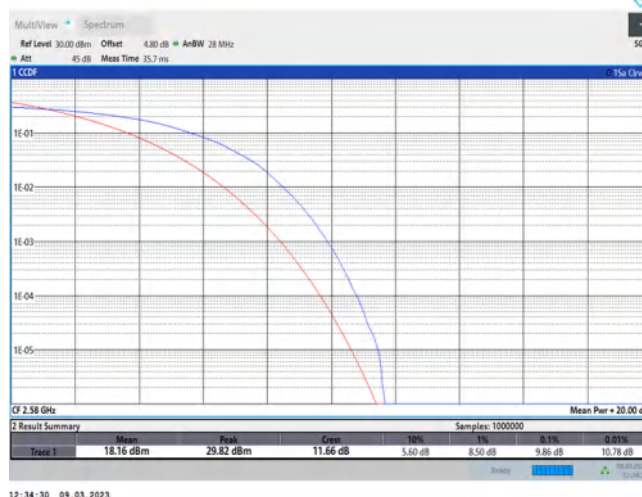
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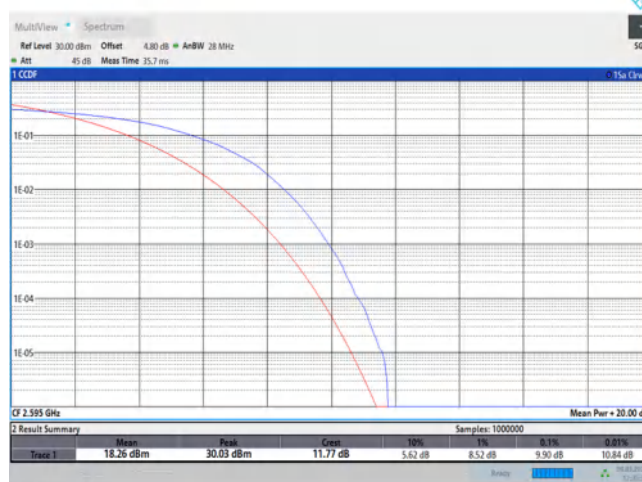
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### Band38-20MHz-64QAM-37850-100RB#0



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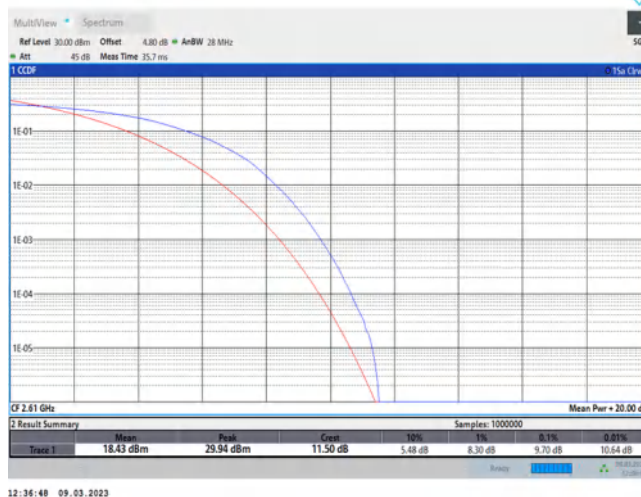
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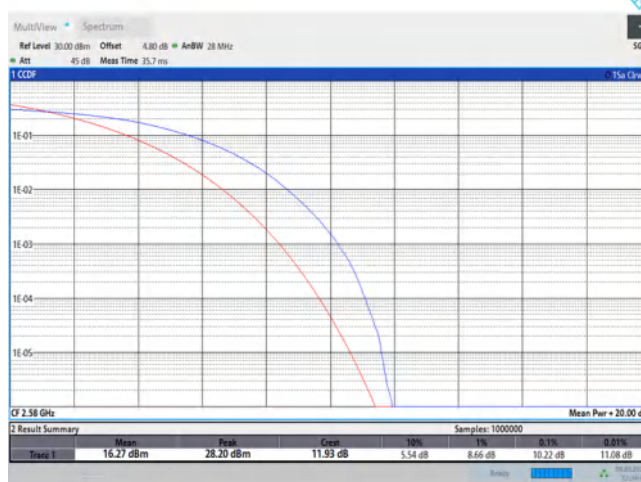
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### Band38-20MHz-64QAM-38150-100RB#0



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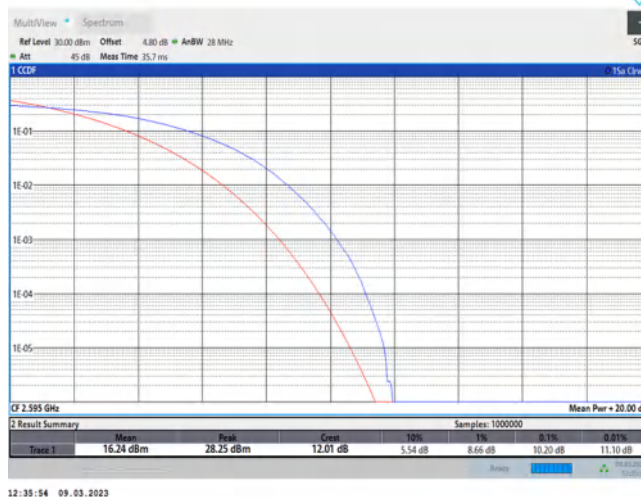
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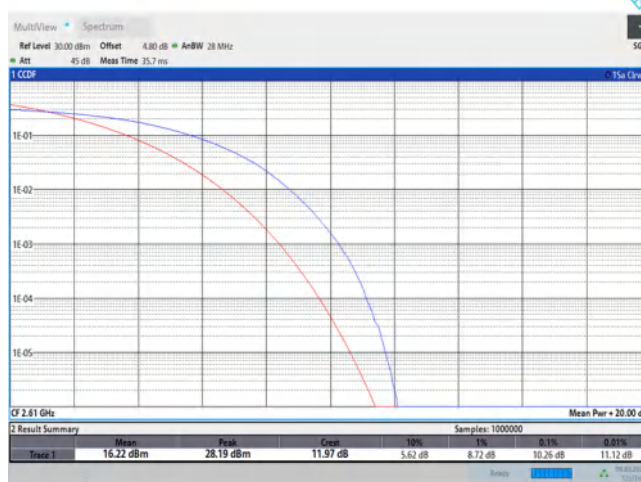
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### Band38-20MHz-256QAM-38000-100RB#0



12:35:54 09.03.2023

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



12:37:04 09.03.2023



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 4.460                    | 4.78                 | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 4.474                    | 4.81                 | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 4.466                    | 4.76                 | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 4.456                    | 4.83                 | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 4.463                    | 4.96                 | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 4.471                    | 4.80                 | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 25RB#0           | 4.474                    | 4.83                 | PASS    |
| Band38 | 5MHz      | 64QAM      | 38000   | 25RB#0           | 4.462                    | 4.90                 | PASS    |
| Band38 | 5MHz      | 64QAM      | 38225   | 25RB#0           | 4.472                    | 4.79                 | PASS    |
| Band38 | 5MHz      | 256QAM     | 37775   | 25RB#0           | 4.461                    | 4.79                 | PASS    |
| Band38 | 5MHz      | 256QAM     | 38000   | 25RB#0           | 4.465                    | 4.84                 | PASS    |
| Band38 | 5MHz      | 256QAM     | 38225   | 25RB#0           | 4.458                    | 4.83                 | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | 8.913                    | 9.46                 | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | 8.923                    | 9.42                 | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | 8.950                    | 9.60                 | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | 8.913                    | 9.44                 | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | 8.907                    | 9.40                 | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | 8.926                    | 9.54                 | PASS    |
| Band38 | 10MHz     | 64QAM      | 37800   | 50RB#0           | 8.965                    | 9.50                 | PASS    |
| Band38 | 10MHz     | 64QAM      | 38000   | 50RB#0           | 8.935                    | 9.60                 | PASS    |
| Band38 | 10MHz     | 64QAM      | 38200   | 50RB#0           | 8.935                    | 9.54                 | PASS    |
| Band38 | 10MHz     | 256QAM     | 37800   | 50RB#0           | 8.951                    | 9.48                 | PASS    |
| Band38 | 10MHz     | 256QAM     | 38000   | 50RB#0           | 8.959                    | 9.50                 | PASS    |
| Band38 | 10MHz     | 256QAM     | 38200   | 50RB#0           | 8.963                    | 9.48                 | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | 13.460                   | 14.64                | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | 13.470                   | 14.64                | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | 13.440                   | 14.31                | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | 13.412                   | 14.76                | PASS    |



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|        |       |        |       |         |        |       |      |
|--------|-------|--------|-------|---------|--------|-------|------|
| Band38 | 15MHz | 16QAM  | 38000 | 75RB#0  | 13.470 | 14.85 | PASS |
| Band38 | 15MHz | 16QAM  | 38175 | 75RB#0  | 13.430 | 14.49 | PASS |
| Band38 | 15MHz | 64QAM  | 37825 | 75RB#0  | 13.442 | 14.58 | PASS |
| Band38 | 15MHz | 64QAM  | 38000 | 75RB#0  | 13.449 | 14.43 | PASS |
| Band38 | 15MHz | 64QAM  | 38175 | 75RB#0  | 13.454 | 14.49 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 75RB#0  | 13.464 | 14.49 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 75RB#0  | 13.481 | 14.37 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 75RB#0  | 13.405 | 14.64 | PASS |
| Band38 | 20MHz | QPSK   | 37850 | 100RB#0 | 17.901 | 18.96 | PASS |
| Band38 | 20MHz | QPSK   | 38000 | 100RB#0 | 17.884 | 19.20 | PASS |
| Band38 | 20MHz | QPSK   | 38150 | 100RB#0 | 17.811 | 18.92 | PASS |
| Band38 | 20MHz | 16QAM  | 37850 | 100RB#0 | 17.863 | 18.84 | PASS |
| Band38 | 20MHz | 16QAM  | 38000 | 100RB#0 | 17.862 | 18.84 | PASS |
| Band38 | 20MHz | 16QAM  | 38150 | 100RB#0 | 17.930 | 19.04 | PASS |
| Band38 | 20MHz | 64QAM  | 37850 | 100RB#0 | 17.888 | 19.08 | PASS |
| Band38 | 20MHz | 64QAM  | 38000 | 100RB#0 | 17.884 | 18.88 | PASS |
| Band38 | 20MHz | 64QAM  | 38150 | 100RB#0 | 17.895 | 18.88 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 100RB#0 | 17.861 | 19.08 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 100RB#0 | 17.804 | 18.92 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 100RB#0 | 17.791 | 19.08 | PASS |



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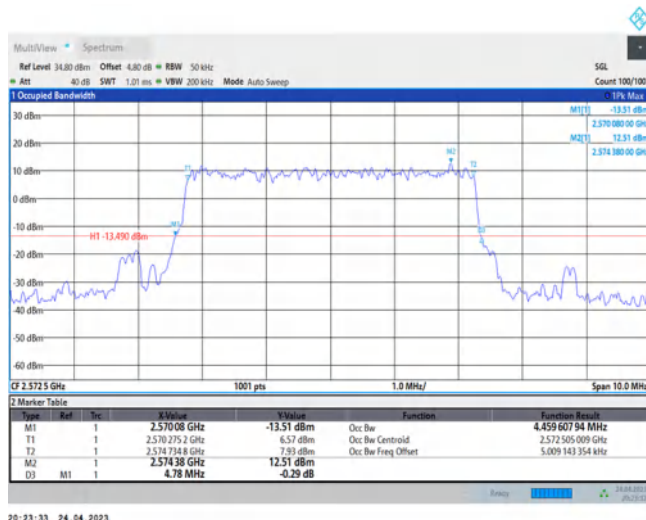
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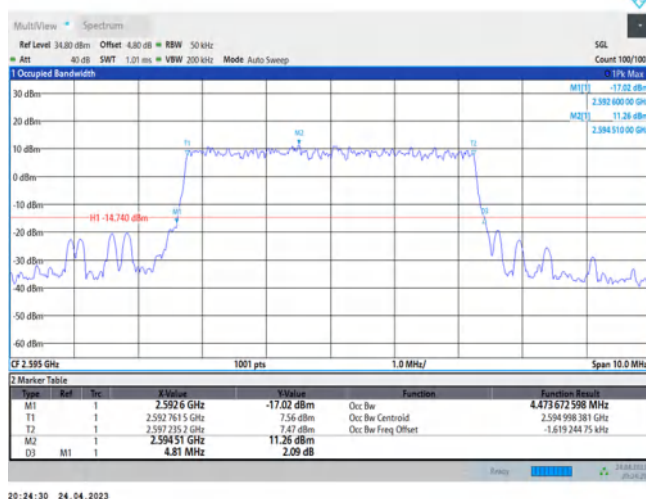
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### Test Graphs

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



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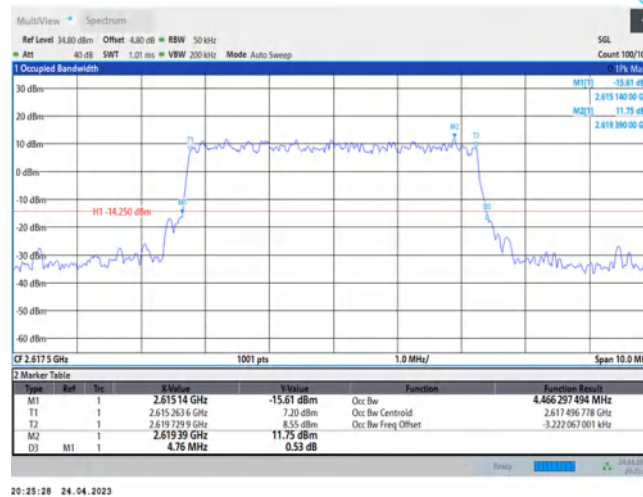
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### Band38-5MHz-QPSK-38225-25RB#0



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



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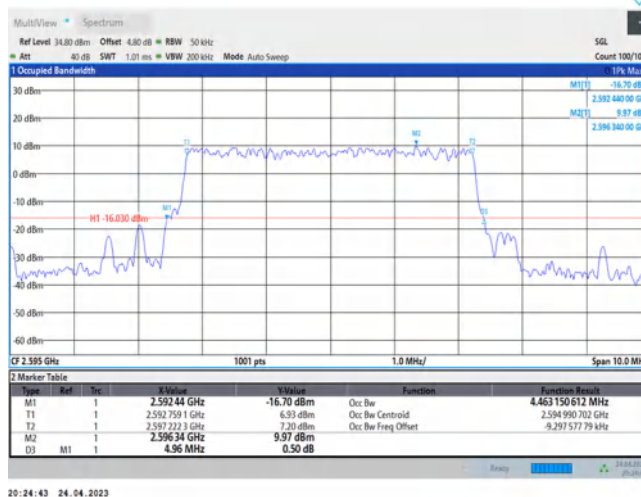
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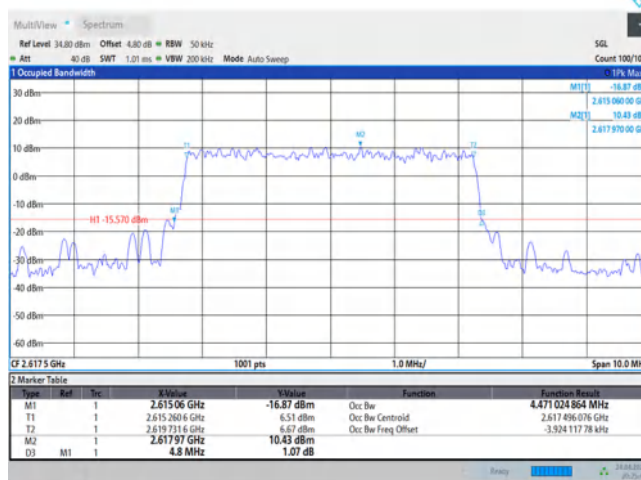
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### Band38-5MHz-16QAM-38000-25RB#0



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



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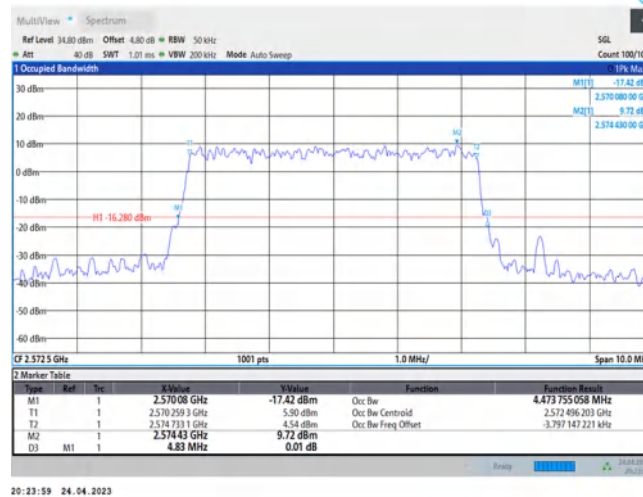
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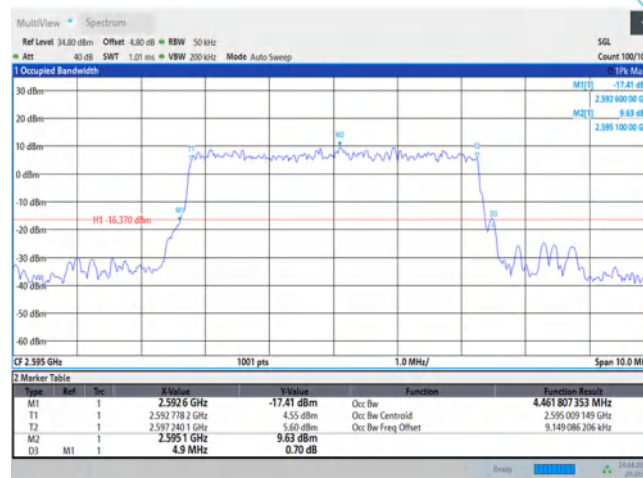
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### Band38-5MHz-64QAM-37775-25RB#0



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



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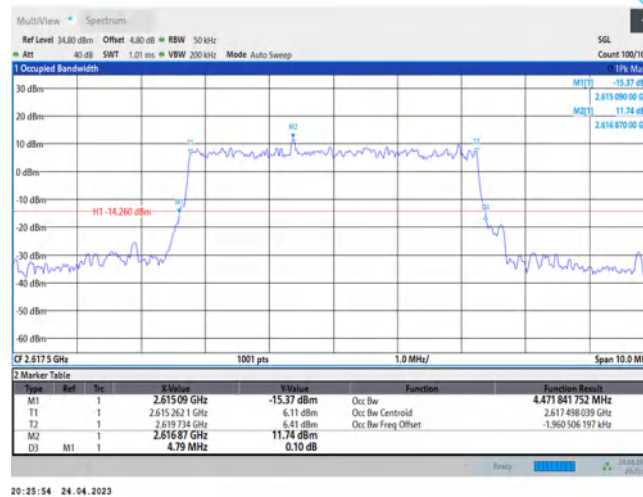
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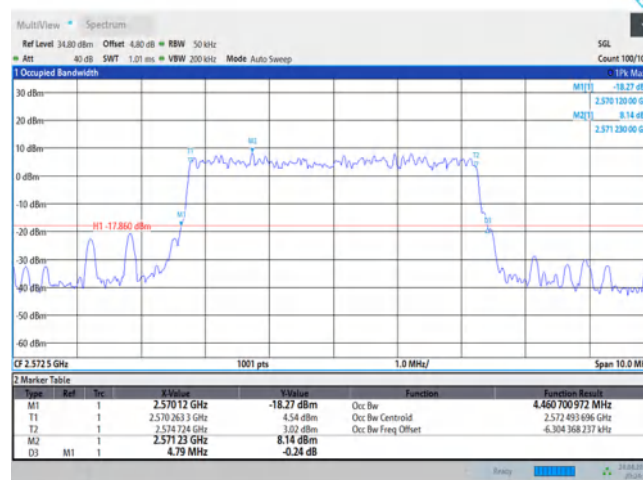
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### Band38-5MHz-64QAM-38225-25RB#0



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



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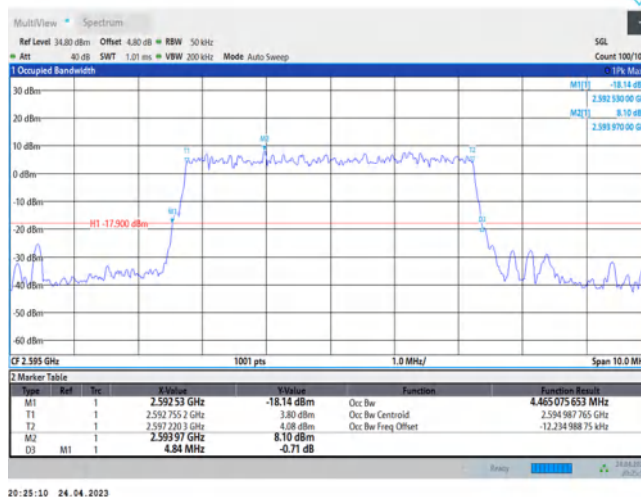
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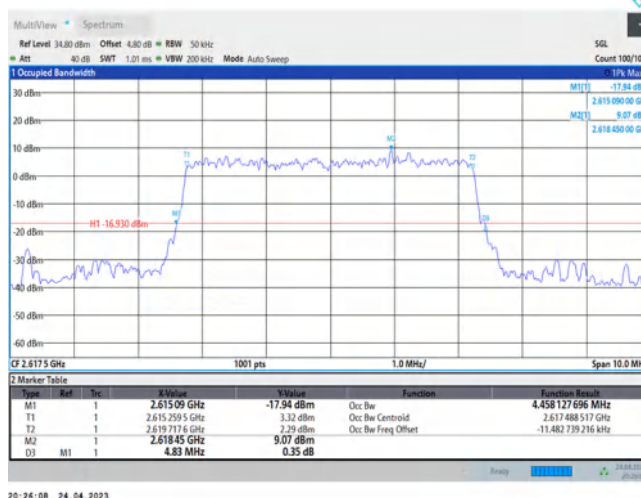
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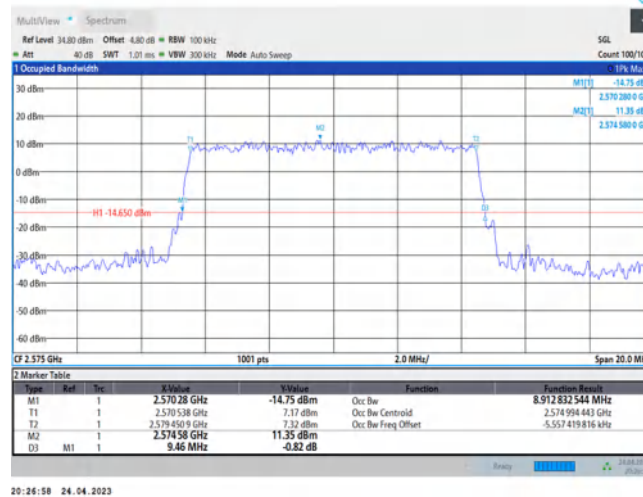
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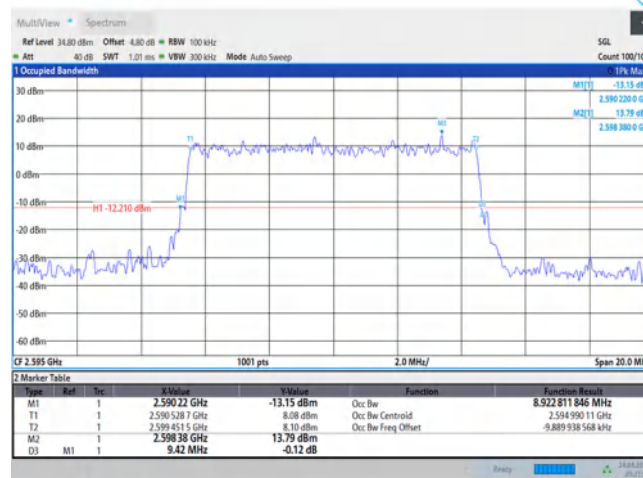
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## Band38-10MHz-QPSK-37800-50RB#0



20:26:58 24.04.2023

## Band38-10MHz-QPSK-38000-50RB#0



20:27:54 24.04.2023



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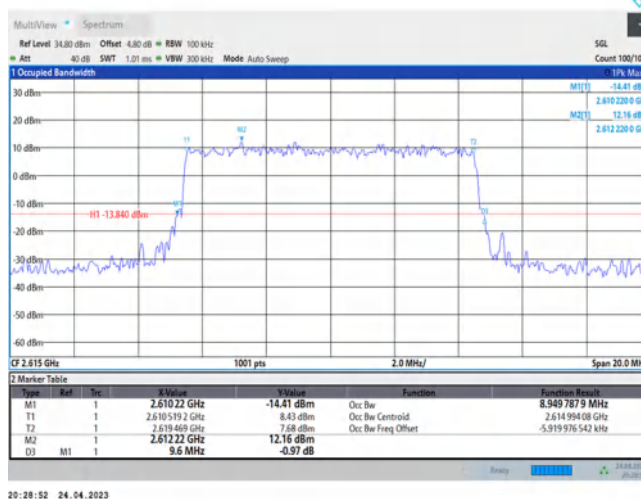
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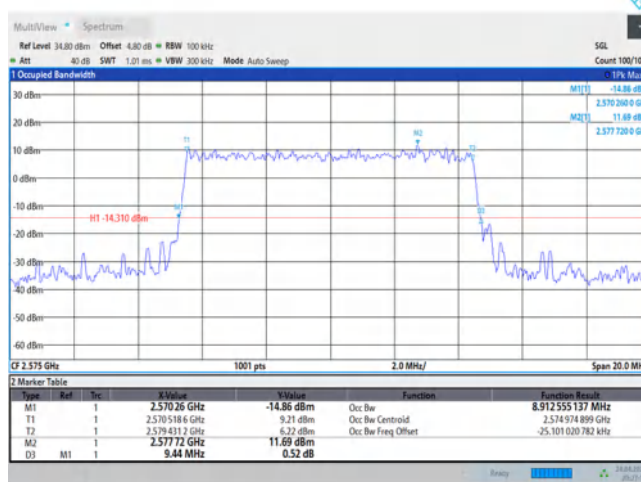
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20:28:52 24.04.2023

### Band38-10MHz-16QAM-37800-50RB#0



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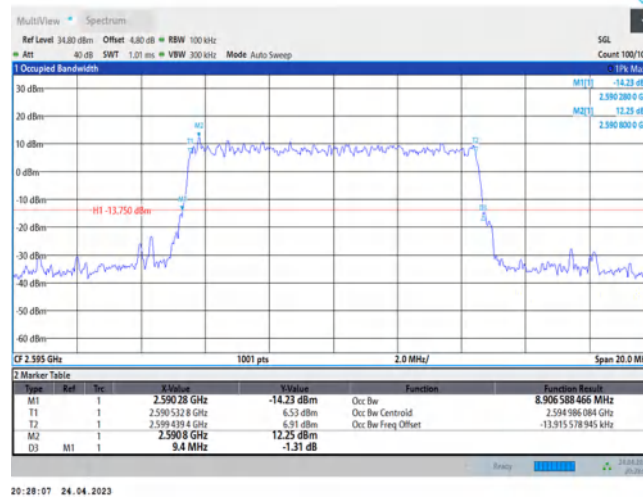
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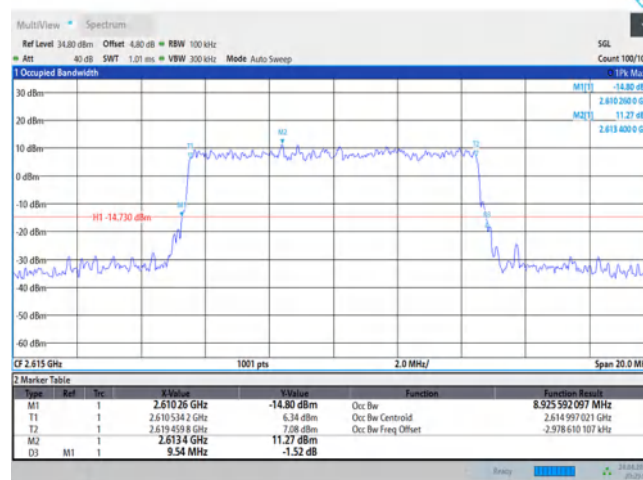
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### Band38-10MHz-16QAM-38200-50RB#0



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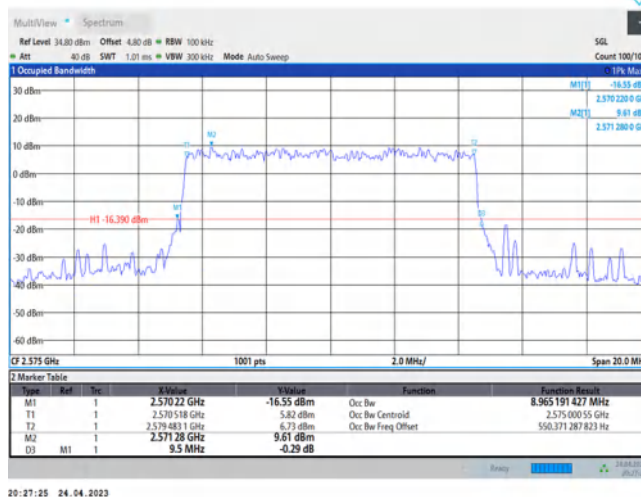
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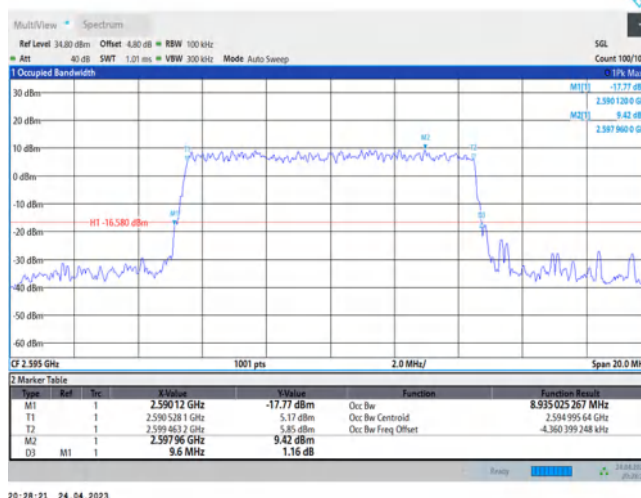
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### Band38-10MHz-64QAM-37800-50RB#0



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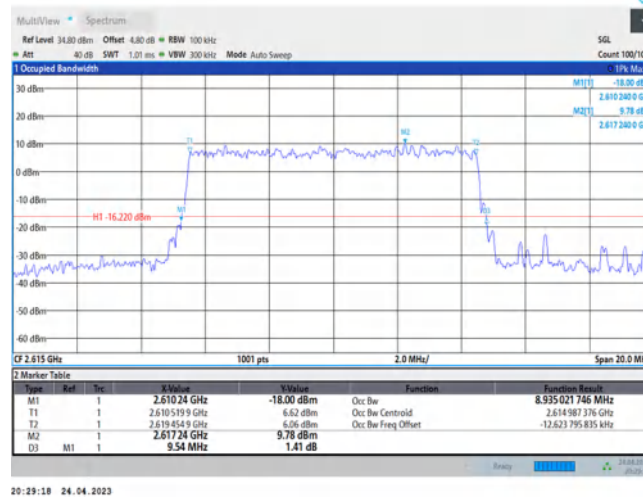
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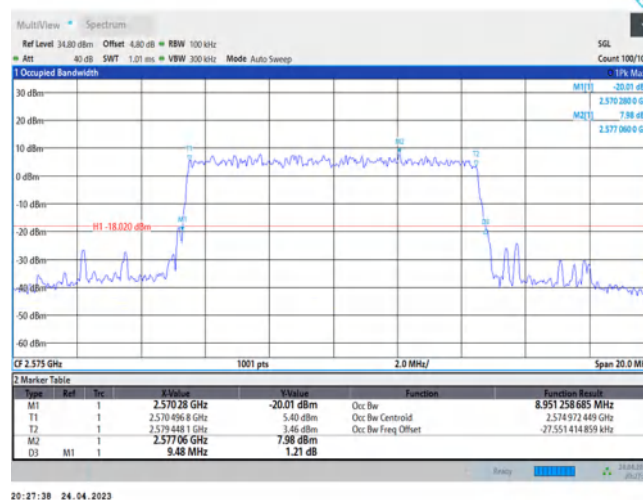
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### Band38-10MHz-64QAM-38200-50RB#0



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



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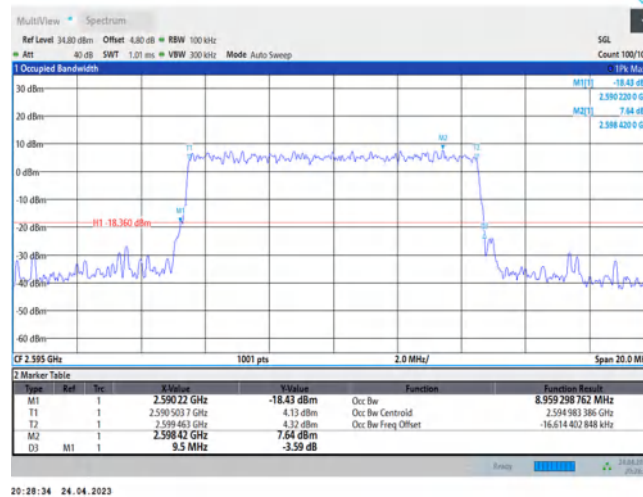
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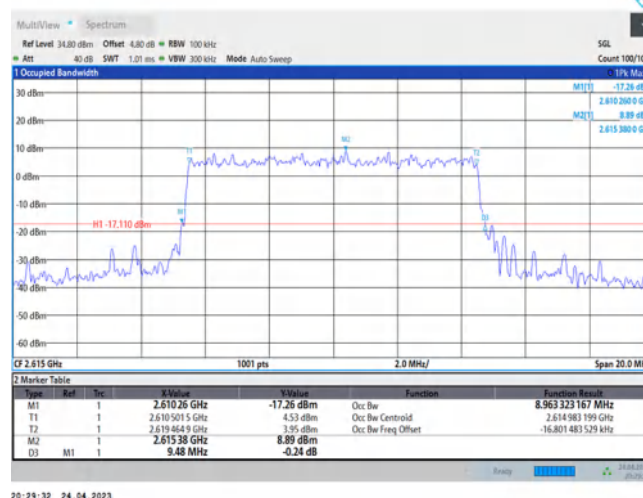
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### Band38-10MHz-256QAM-38000-50RB#0



20:28:34 24.04.2023

### Band38-10MHz-256QAM-38200-50RB#0



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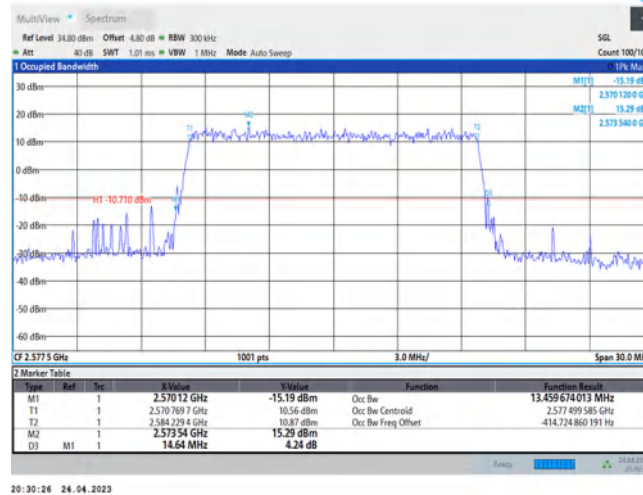
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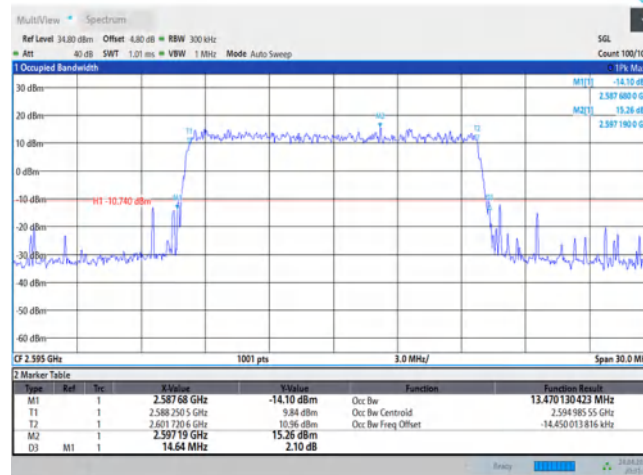
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### Band38-15MHz-QPSK-37825-75RB#0



20:30:26 24.04.2023

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



20:31:21 24.04.2023



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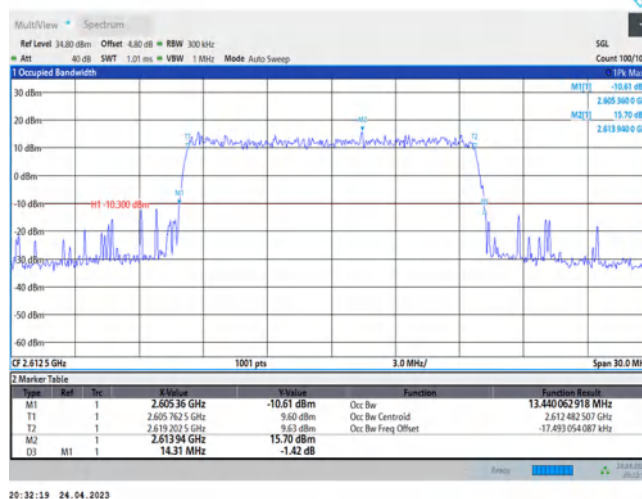
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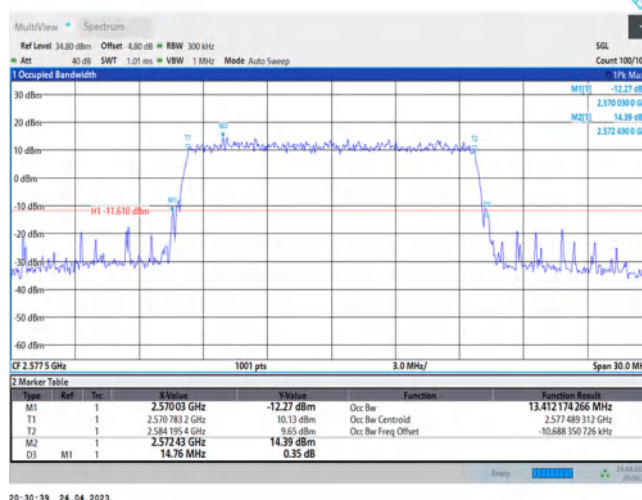
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### Band38-15MHz-16QAM-37825-75RB#0



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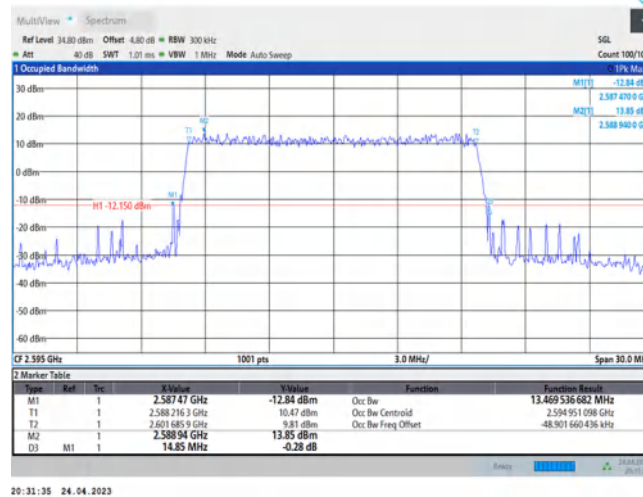
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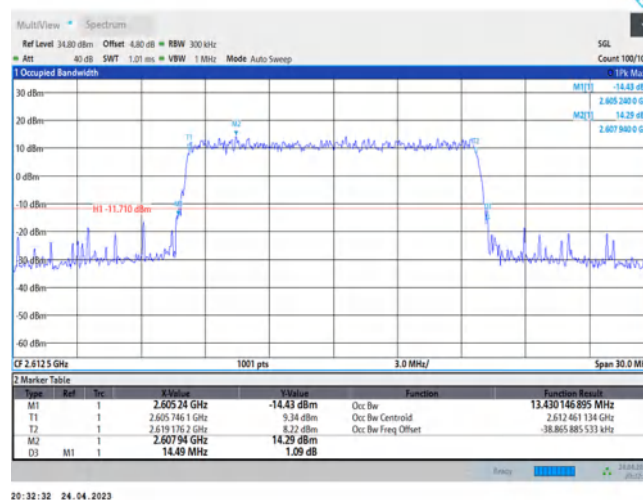
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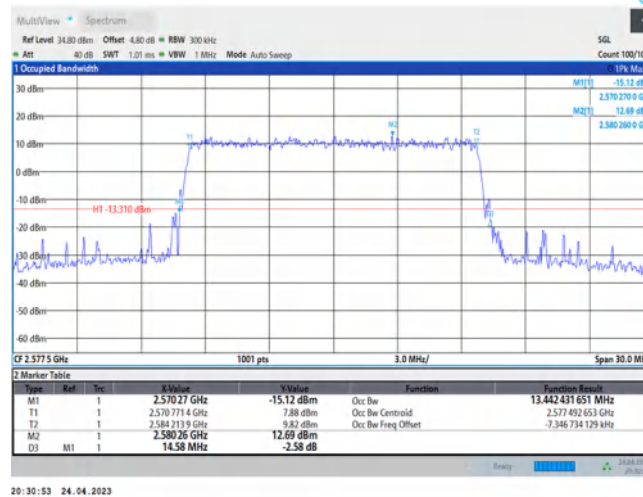
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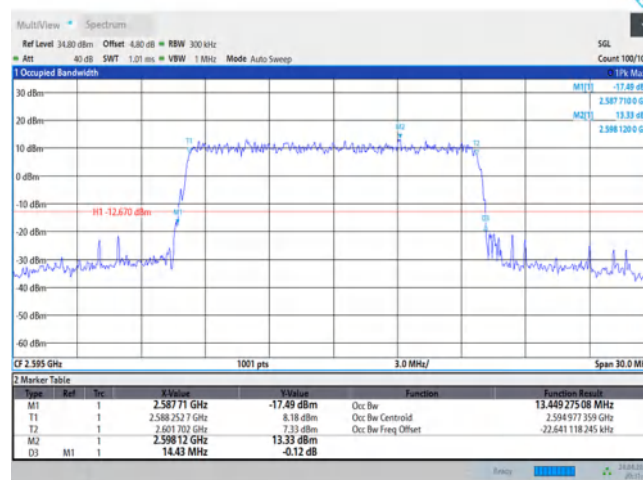
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### Band38-15MHz-64QAM-37825-75RB#0



20:30:53 24.04.2023

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



20:31:40 24.04.2023



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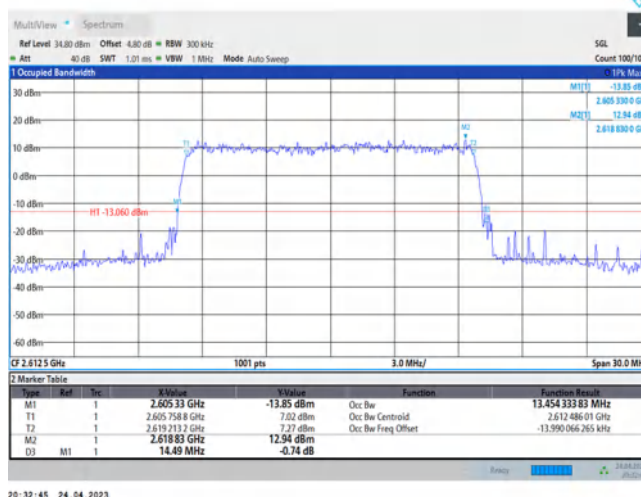
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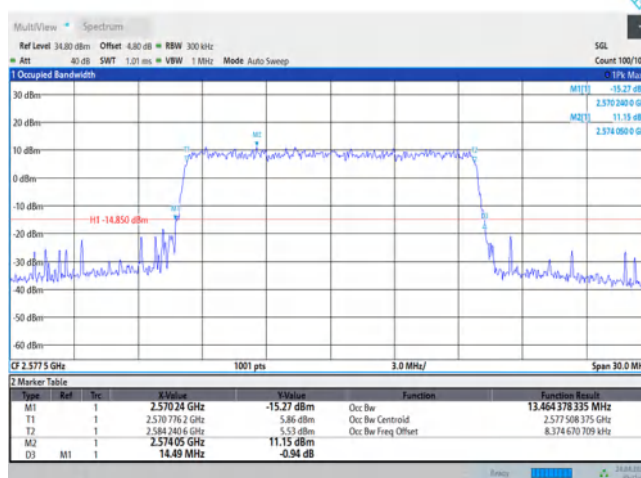
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### Band38-15MHz-256QAM-37825-75RB#0



20:31:06 24.04.2023



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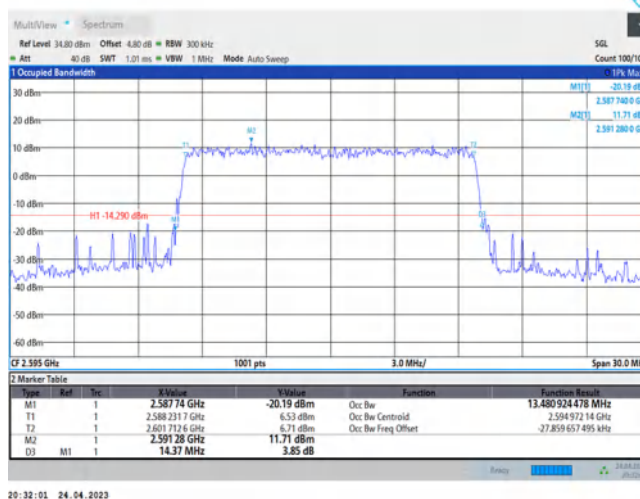
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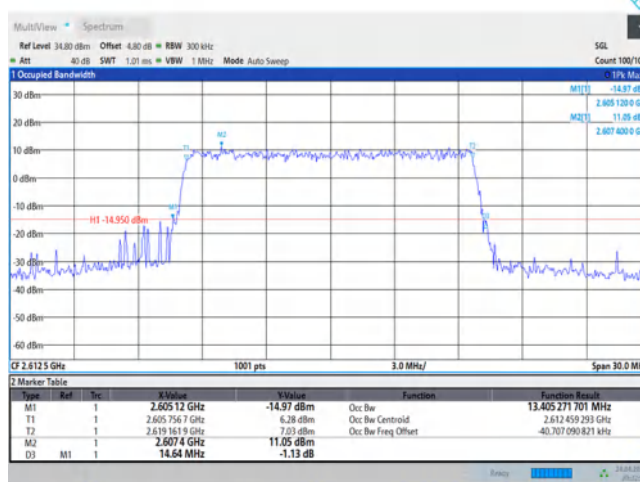
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### Band38-15MHz-256QAM-38000-75RB#0



20:32:01 24.04.2023

### Band38-15MHz-256QAM-38175-75RB#0



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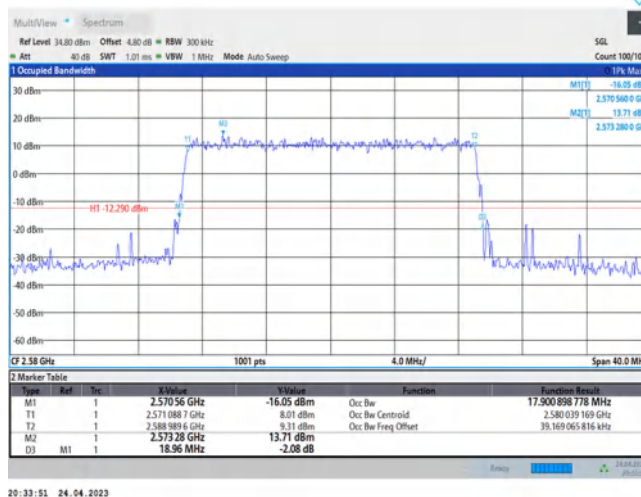
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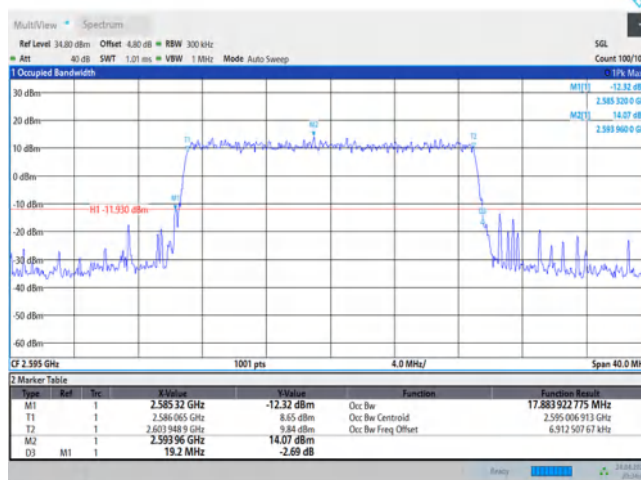
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### Band38-20MHz-QPSK-37850-100RB#0



20:33:51 24.04.2023

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



20:34:49 24.04.2023



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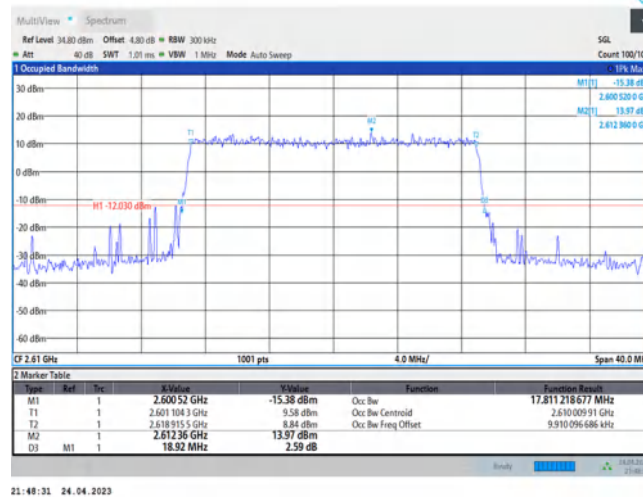
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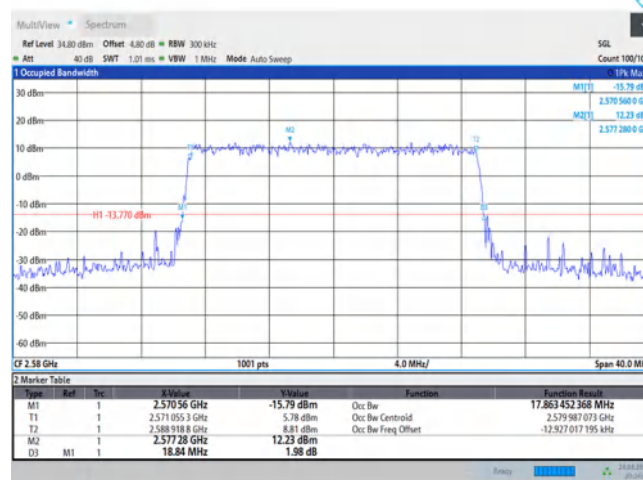
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### Band38-20MHz-QPSK-38150-100RB#0



21:48:31 24.04.2023

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



20:34:04 24.04.2023



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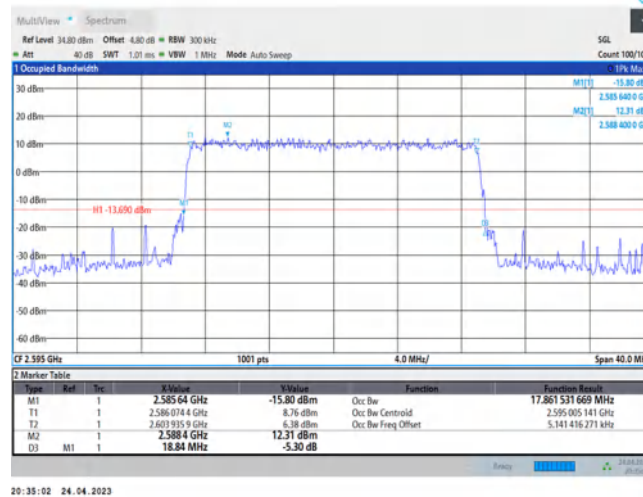
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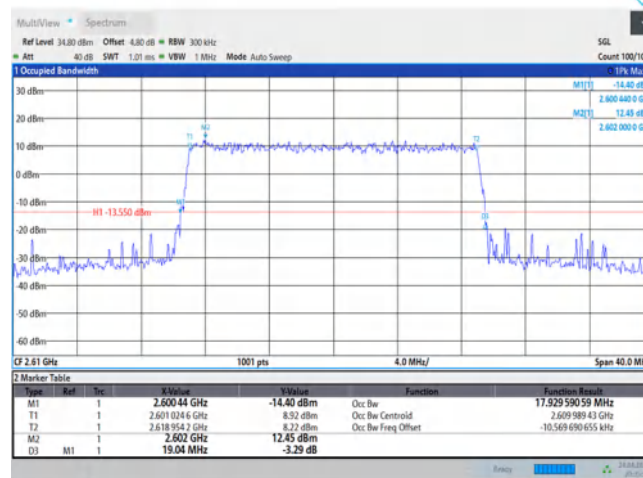
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20:35:02 24.04.2023

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



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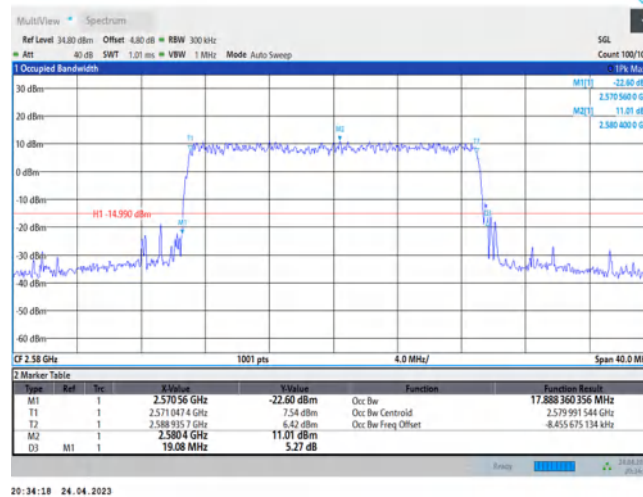
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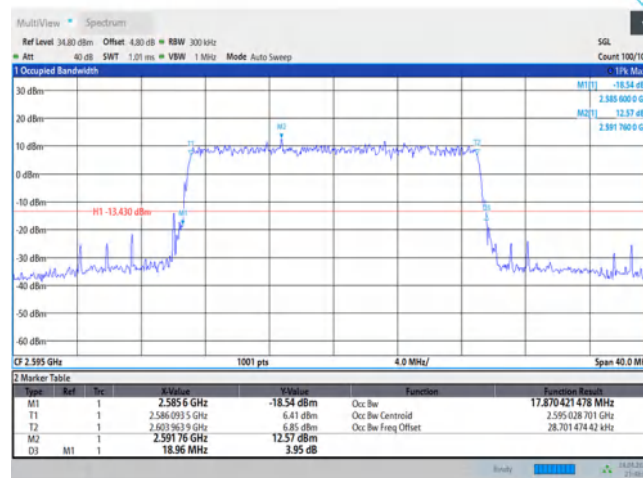
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### Band38-20MHz-64QAM-37850-100RB#0



20:34:18 24.04.2023

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



21:48:01 24.04.2023



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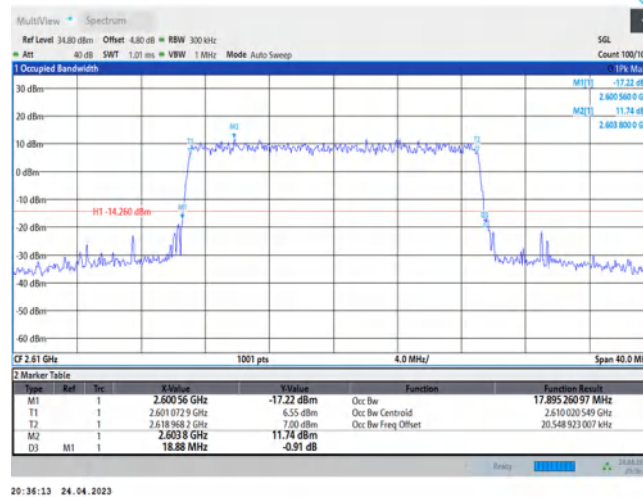
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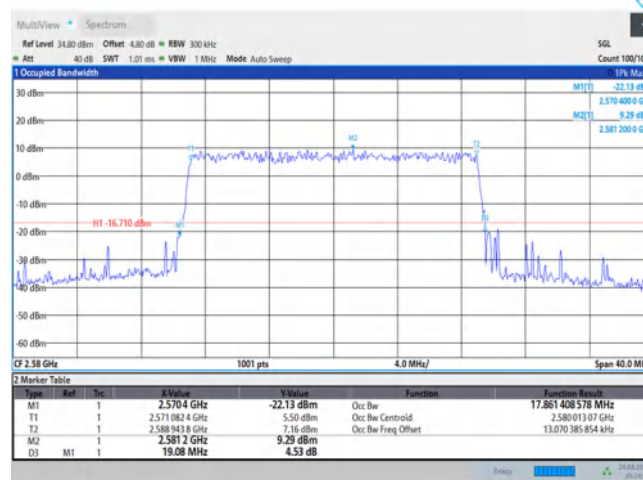
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### Band38-20MHz-64QAM-38150-100RB#0



20:36:13 24.04.2023

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



20:34:31 24.04.2023



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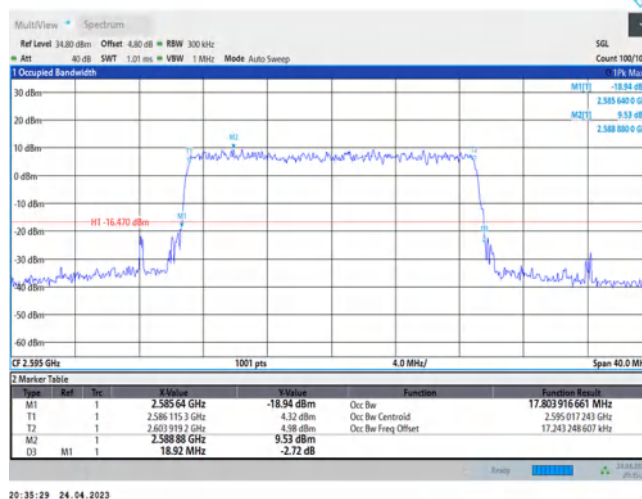
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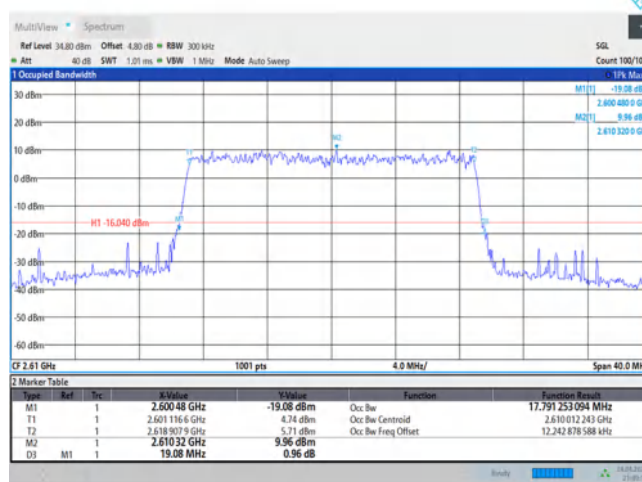
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### Band38-20MHz-256QAM-38000-100RB#0



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



21:49:11 24.04.2023



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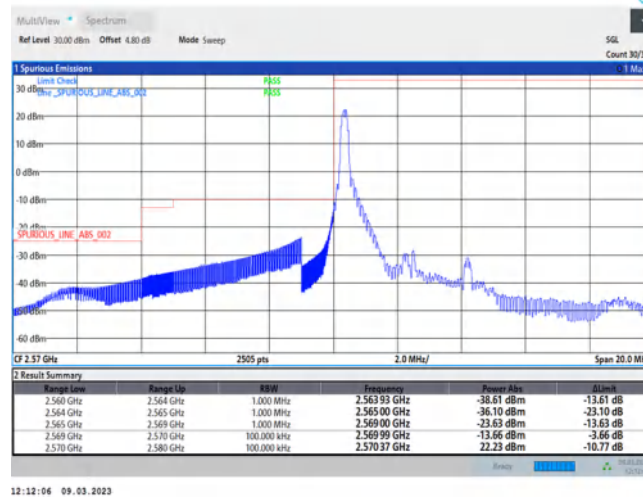
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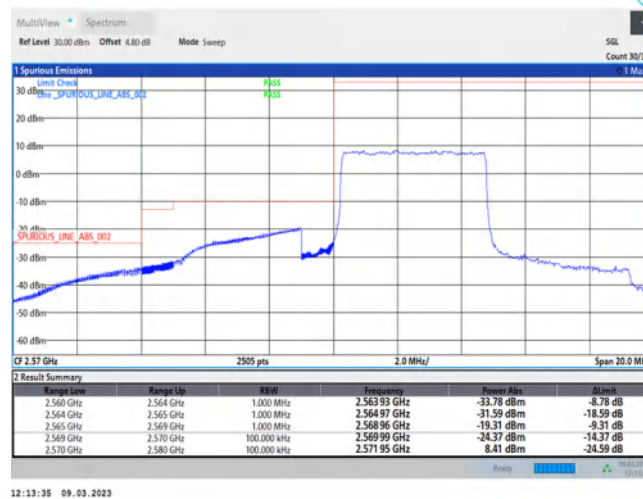
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### Test Graphs

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



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



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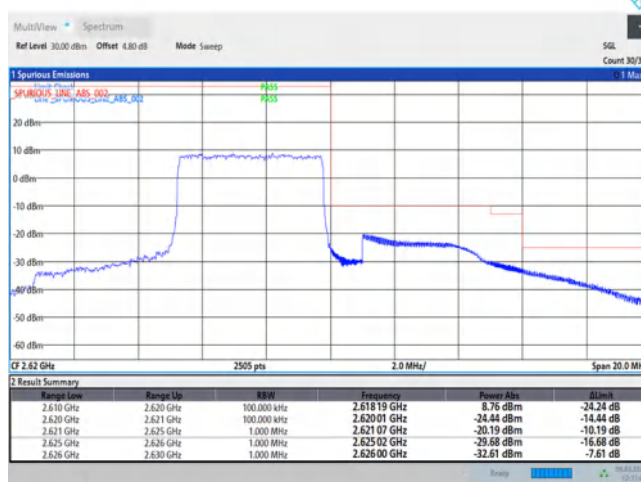
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### Band38-5MHz-QPSK-38225-1RB#24



12:15:29 09.03.2023

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



12:17:04 09.03.2023



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



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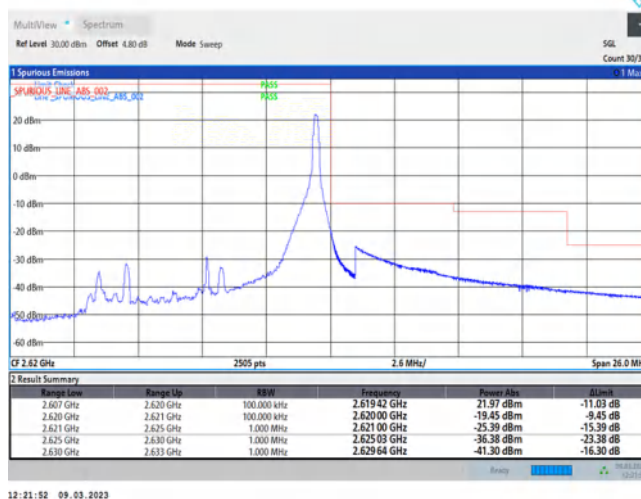
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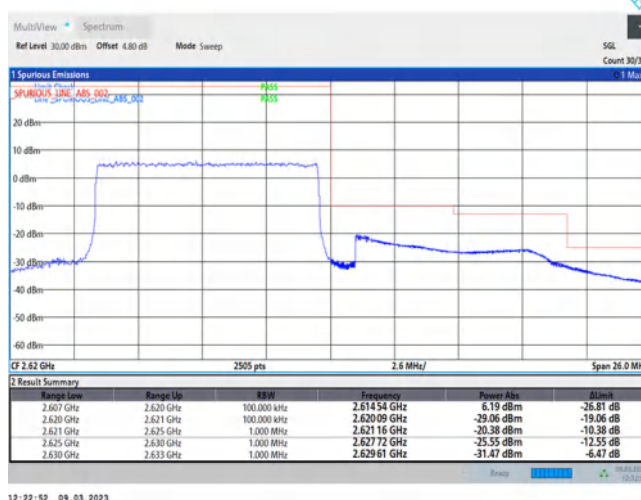
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### Band38-10MHz-QPSK-38200-1RB#49



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



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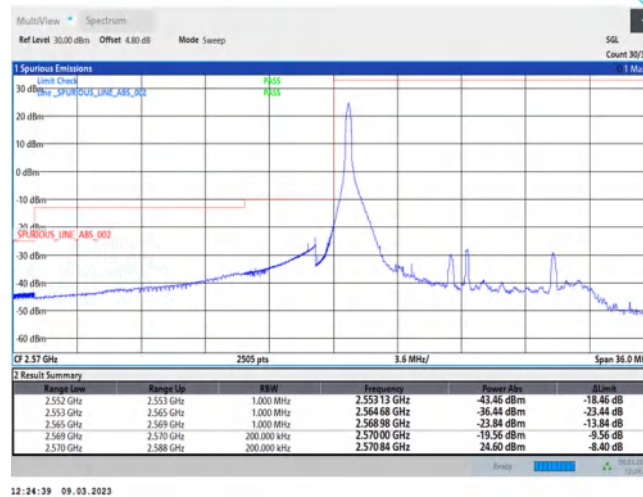
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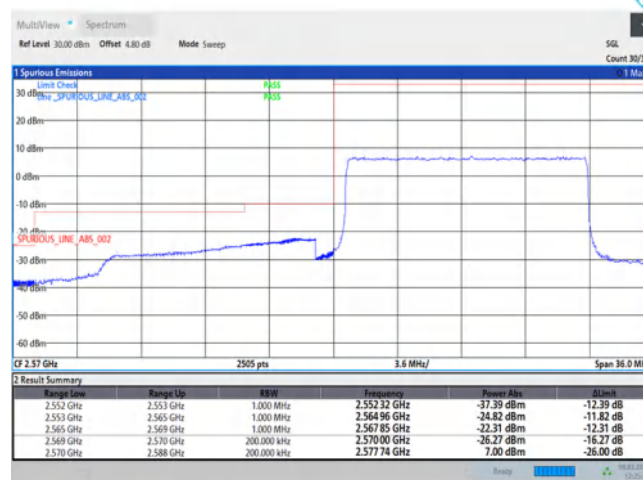
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### Band38-15MHz-QPSK-37825-1RB#0



12:24:39 09.03.2023

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



12:25:38 09.03.2023



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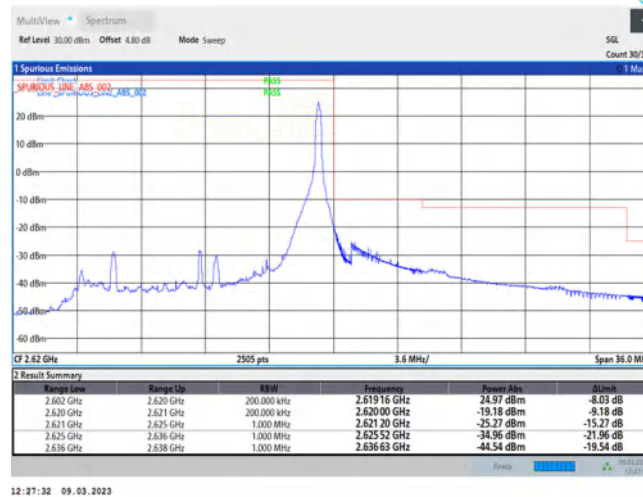
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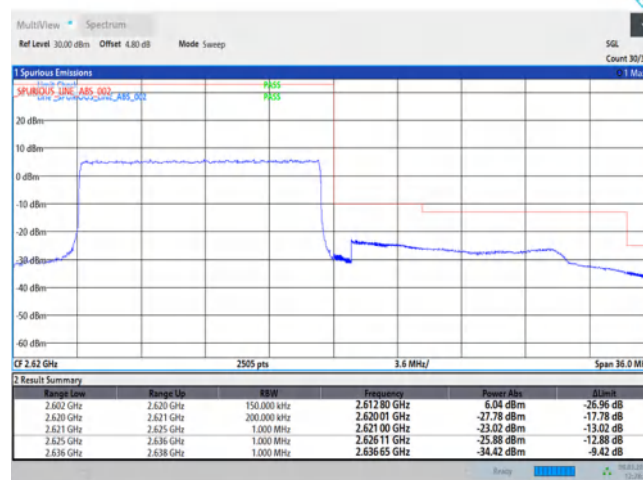
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### Band38-15MHz-QPSK-38175-1RB#74



12:27:32 09.03.2023

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



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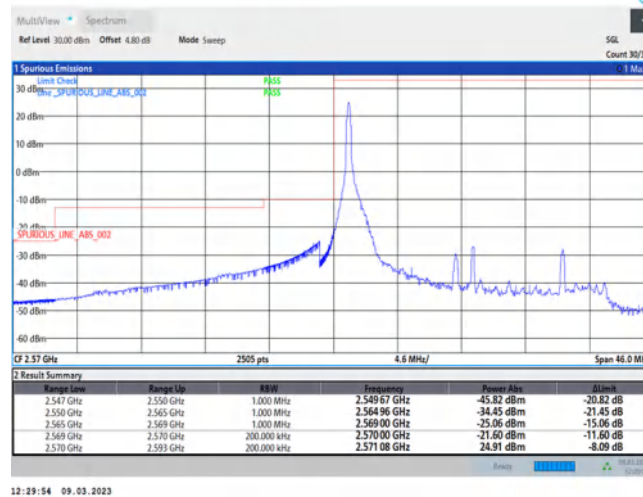
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### Band38-20MHz-QPSK-37850-1RB#0



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



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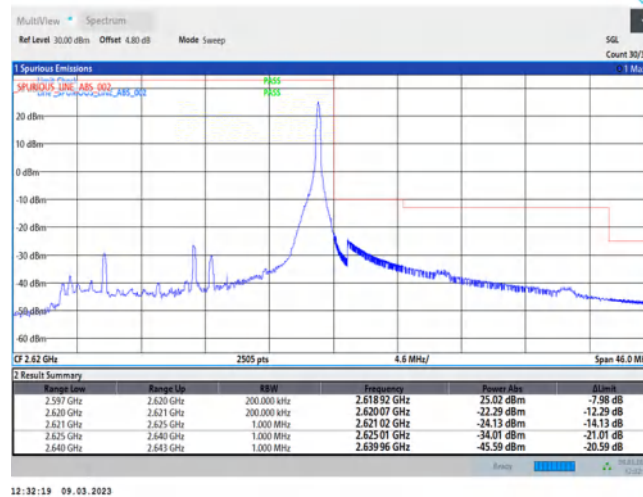
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### Band38-20MHz-QPSK-38150-1RB#99



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



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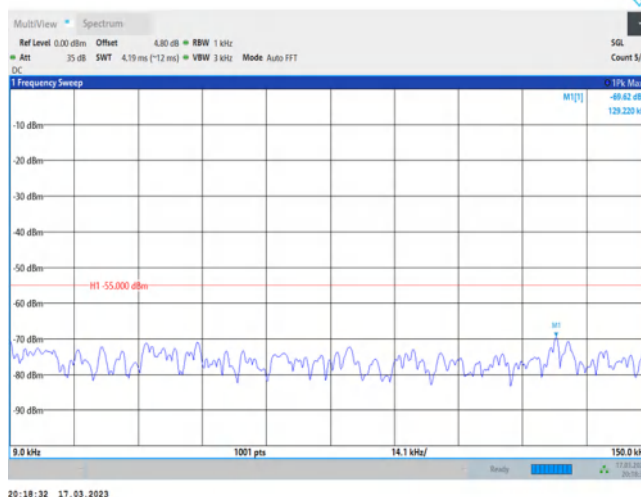
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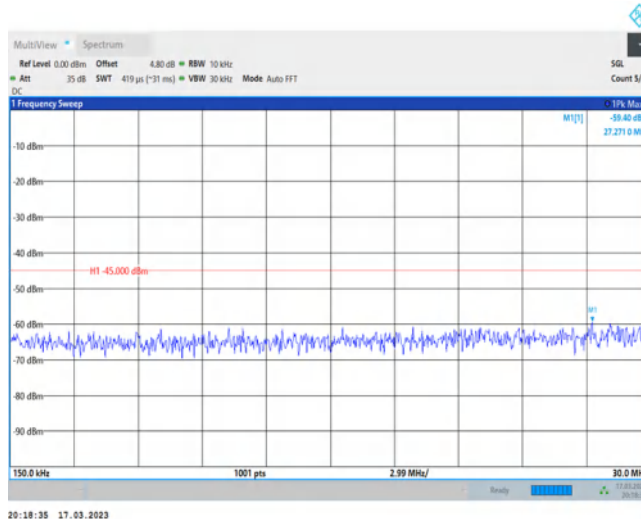
## Conducted Spurious Emission

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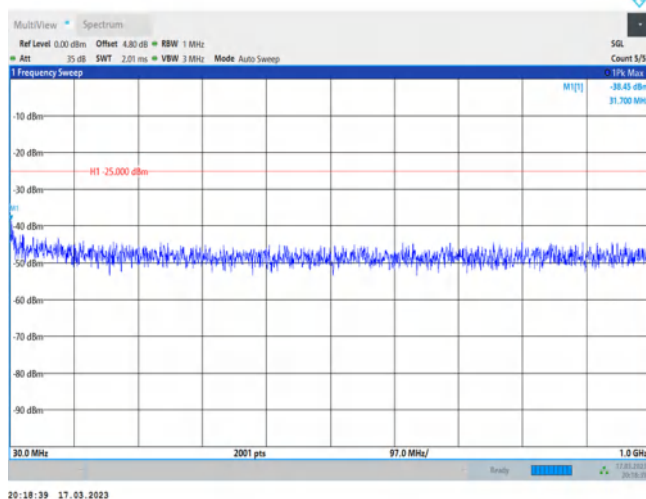
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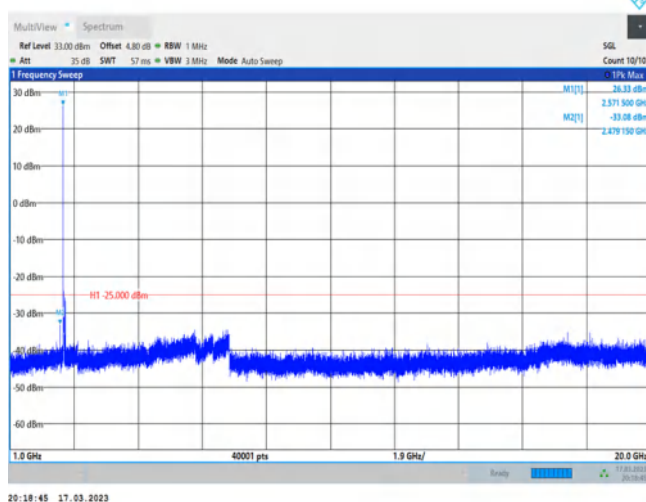
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### Band38-20MHz-QPSK-37850-1RB#0-Range3:30~1000MHz



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



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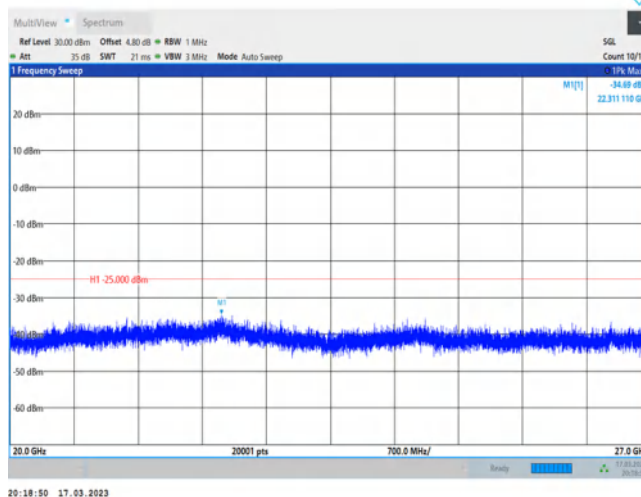
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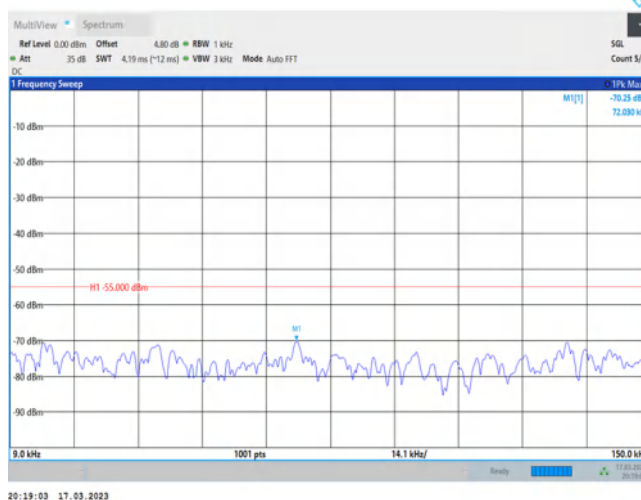
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### Band38-20MHz-QPSK-37850-1RB#0-Range5:20000~27000MHz



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



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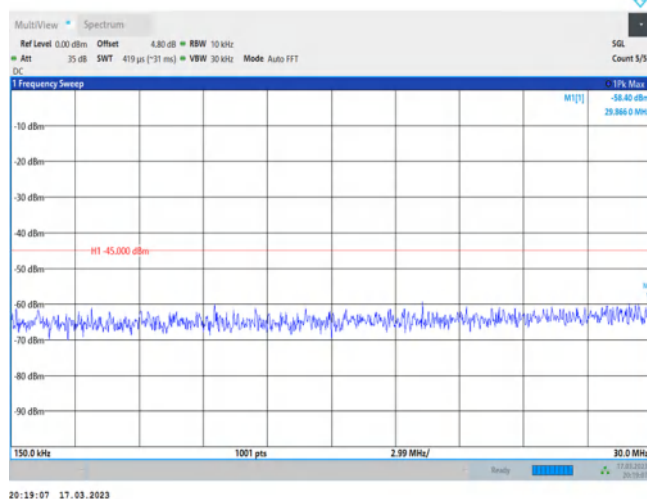
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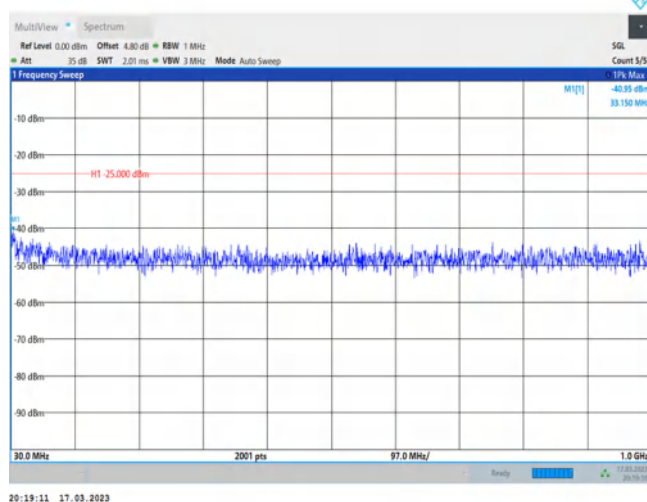
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### Band38-20MHz-QPSK-38000-1RB#0-Range2:0.15~30MHz



### Band38-20MHz-QPSK-38000-1RB#0-Range3:30~1000MHz



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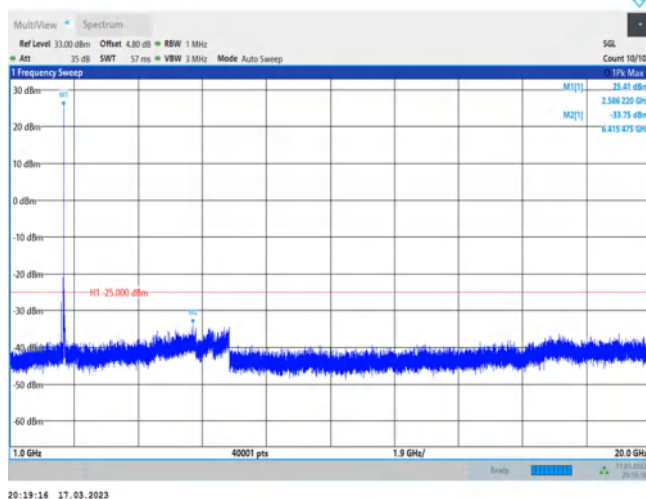
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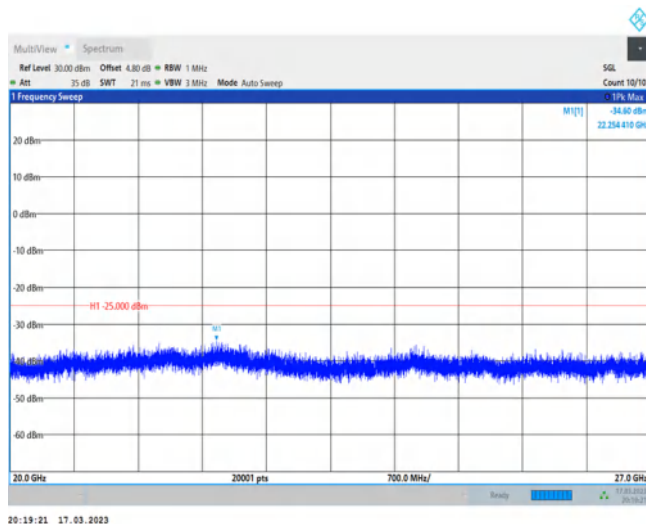
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### Band38-20MHz-QPSK-38000-1RB#0-Range4:1000~20000MHz



### Band38-20MHz-QPSK-38000-1RB#0-Range5:20000~27000MHz



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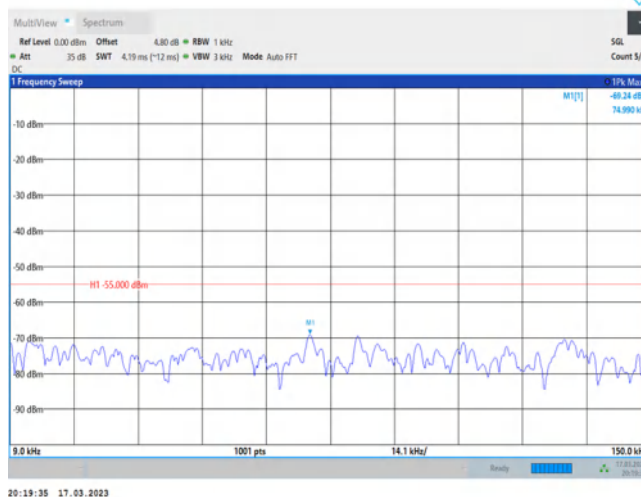
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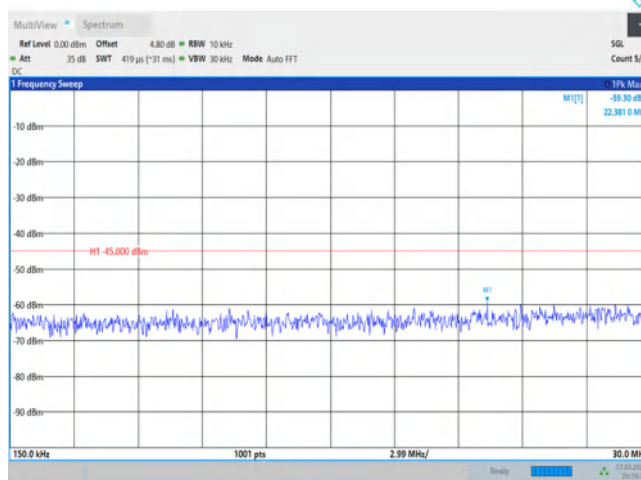
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### Band38-20MHz-QPSK-38150-1RB#0-Range1:0.009~0.15MHz



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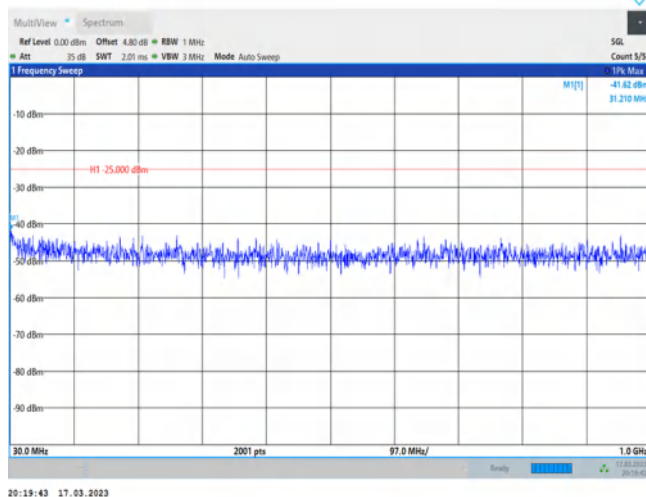
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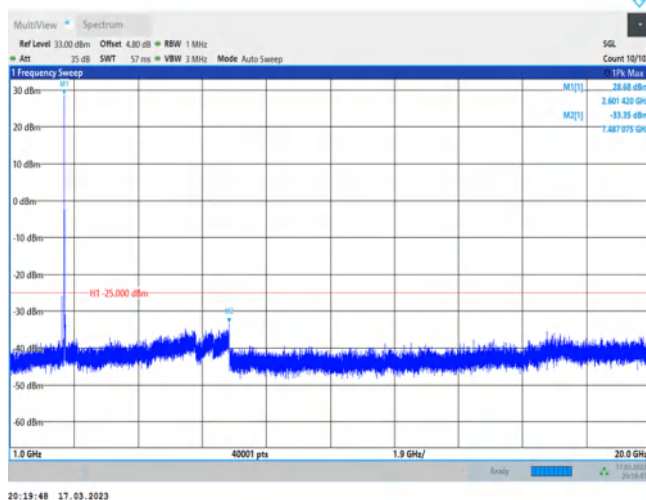
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### Band38-20MHz-QPSK-38150-1RB#0-Range3:30~1000MHz



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



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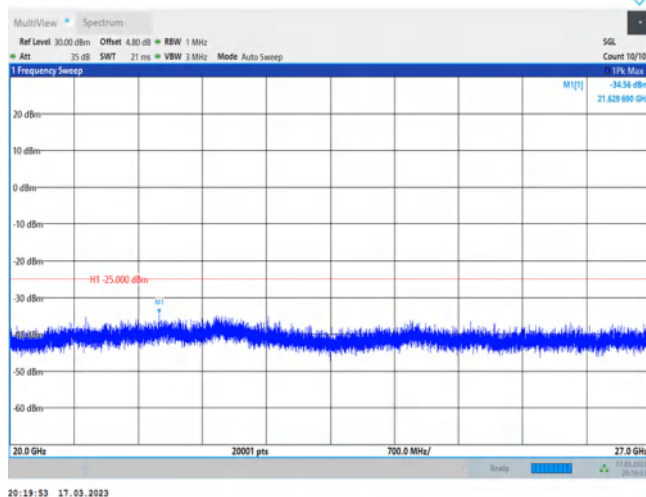
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### Band38-20MHz-QPSK-38150-1RB#0-Range5:20000~27000MHz



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## Field Strength of Spurious Radiation

**Test Band = LTE Band 38\_20MHz\_ TM1**
**Test Channel = Low**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 5142            | 68.35          | -45.33      | 32.96    | -39.28      | -25.00      | 14.28       | 138         | 134       | Horizontal |
| 2               | 7713.2700       | 43.73          | -43.01      | 36.61    | -57.93      | -25.00      | 32.93       | 248         | 86        | Horizontal |
| 3               | 10284.3600      | 45.25          | -39.15      | 38.83    | -50.33      | -25.00      | 25.33       | 324         | 328       | Horizontal |
| 4               | 12855.4500      | 34.16          | -36.99      | 39.69    | -58.40      | -25.00      | 33.40       | 168         | 55        | Horizontal |
| 5               | 15426.5400      | 33.63          | -33.99      | 38.67    | -56.95      | -25.00      | 31.95       | 214         | 70        | Horizontal |
| 6               | 17997.6300      | 32.84          | -34.58      | 42.23    | -54.76      | -25.00      | 29.76       | 278         | 0         | 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               | 5142            | 73.68          | -45.33      | 32.96    | -33.95      | -25.00      | 8.95        | 296         | 16        | Vertical |
| 2               | 7713.2700       | 46.65          | -43.01      | 36.61    | -55.01      | -25.00      | 30.01       | 146         | 198       | Vertical |
| 3               | 10284.3600      | 47.59          | -39.15      | 38.83    | -47.99      | -25.00      | 22.99       | 239         | 195       | Vertical |
| 4               | 12855.4500      | 35.52          | -36.99      | 39.69    | -57.04      | -25.00      | 32.04       | 211         | 225       | Vertical |
| 5               | 15426.5400      | 33.46          | -33.99      | 38.67    | -57.12      | -25.00      | 32.12       | 159         | 28        | Vertical |
| 6               | 17997.6300      | 33.14          | -34.58      | 42.23    | -54.46      | -25.00      | 29.46       | 306         | 135       | Vertical |



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**Test Band = LTE Band 38\_20MHz \_ TM1**

**Test Channel = Mid**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 5172            | 70.13          | -45.31      | 32.97    | -37.46      | -25.00      | 12.46       | 296         | 256       | Horizontal |
| 2               | 7758.2700       | 42.54          | -42.64      | 36.70    | -58.66      | -25.00      | 33.66       | 186         | 286       | Horizontal |
| 3               | 10344.3600      | 44.91          | -39.05      | 38.85    | -50.56      | -25.00      | 25.56       | 239         | 91        | Horizontal |
| 4               | 12930.4500      | 34.60          | -37.18      | 39.76    | -58.08      | -25.00      | 33.08       | 142         | 211       | Horizontal |
| 5               | 15516.5400      | 31.68          | -35.30      | 38.55    | -60.33      | -25.00      | 35.33       | 289         | 120       | Horizontal |
| 6               | 17016           | 35.27          | -33.38      | 38.51    | -54.86      | -25.00      | 29.86       | 205         | 2         | 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               | 5172            | 74.67          | -45.31      | 32.97    | -32.92      | -25.00      | 7.92        | 258         | 29        | Vertical |
| 2               | 7758            | 51.21          | -42.65      | 36.70    | -50.00      | -25.00      | 25.00       | 162         | 212       | Vertical |
| 3               | 10344.3600      | 53.22          | -39.05      | 38.85    | -42.25      | -25.00      | 17.25       | 173         | 197       | Vertical |
| 4               | 12930.4500      | 34.80          | -37.18      | 39.76    | -57.88      | -25.00      | 32.88       | 256         | 47        | Vertical |
| 5               | 15516.5400      | 31.91          | -35.30      | 38.55    | -60.10      | -25.00      | 35.10       | 340         | 243       | Vertical |
| 6               | 17031           | 37.61          | -33.57      | 38.52    | -52.71      | -25.00      | 27.71       | 153         | 107       | Vertical |



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**Test Band = LTE Band 38\_20MHz \_ TM1**

**Test Channel = High**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 5202            | 73.52          | -45.28      | 32.99    | -34.03      | -25.00      | 9.03        | 286         | 255       | Horizontal |
| 2               | 7803            | 44.46          | -42.33      | 36.78    | -56.34      | -25.00      | 31.34       | 174         | 3         | Horizontal |
| 3               | 10404.3600      | 42.60          | -39.00      | 38.86    | -52.80      | -25.00      | 27.80       | 255         | 74        | Horizontal |
| 4               | 13005.4500      | 34.54          | -37.31      | 39.83    | -58.20      | -25.00      | 33.20       | 138         | 16        | Horizontal |
| 5               | 15606.5400      | 32.97          | -34.87      | 38.43    | -58.73      | -25.00      | 33.73       | 217         | 0         | Horizontal |
| 6               | 17179.5         | 36.65          | -34.88      | 38.60    | -54.89      | -25.00      | 29.89       | 185         | 211       | 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               | 5202            | 78.63          | -45.28      | 32.99    | -28.92      | -25.00      | 3.92        | 204         | 18        | Vertical |
| 2               | 7803            | 49.96          | -42.33      | 36.78    | -50.84      | -25.00      | 25.84       | 186         | 225       | Vertical |
| 3               | 10404.3600      | 40.11          | -39.00      | 38.86    | -55.29      | -25.00      | 30.29       | 233         | 122       | Vertical |
| 4               | 13005.4500      | 35.09          | -37.31      | 39.83    | -57.65      | -25.00      | 32.65       | 298         | 300       | Vertical |
| 5               | 15606.5400      | 33.28          | -34.87      | 38.43    | -58.42      | -25.00      | 33.42       | 147         | 0         | Vertical |
| 6               | 17179.5         | 37.08          | -34.88      | 38.60    | -54.46      | -25.00      | 29.46       | 165         | 0         | Vertical |



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Test Band = LTE 38A\_66A\_ TM1

Test Channel = Low

## Final Data List

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| 1   | 4075.5          | 43.49          | -45.83      | 30.91    | -66.69      | -25.00      | 41.69       | 297         | 73        | Horizontal |
| 2   | 5142            | 68.84          | -45.33      | 32.96    | -38.79      | -25.00      | 13.79       | 248         | 352       | Horizontal |
| 3   | 7713.2700       | 42.13          | -43.01      | 36.61    | -59.53      | -25.00      | 34.53       | 156         | 42        | Horizontal |
| 4   | 10212.5400      | 35.49          | -39.45      | 38.81    | -60.40      | -25.00      | 35.40       | 231         | 352       | Horizontal |
| 5   | 11914.6300      | 33.13          | -37.18      | 38.88    | -60.43      | -25.00      | 35.43       | 166         | 105       | Horizontal |
| 6   | 14492.25        | 33.56          | -34.84      | 40.02    | -56.52      | -25.00      | 31.52       | 320         | 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   | 4008            | 43.76          | -46.02      | 30.81    | -66.71      | -25.00      | 41.71       | 248         | 360       | Vertical |
| 2   | 5142            | 70.84          | -45.33      | 32.96    | -36.79      | -25.00      | 11.79       | 175         | 16        | Vertical |
| 3   | 7713.2700       | 47.34          | -43.01      | 36.61    | -54.32      | -25.00      | 29.32       | 192         | 300       | Vertical |
| 4   | 10284           | 44.23          | -39.16      | 38.83    | -51.35      | -25.00      | 26.35       | 254         | 209       | Vertical |
| 5   | 11914.630       | 33.32          | -37.18      | 38.88    | -60.24      | -25.00      | 35.24       | 156         | 342       | Vertical |
| 6   | 14218.5         | 37.07          | -35.46      | 40.22    | -53.43      | -25.00      | 28.43       | 166         | 104       | Vertical |



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**Test Band = LTE 38A\_66A\_ TM1**

**Test Channel = Mid**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 3454.1800       | 44.27          | -46.27      | 29.48    | -67.78      | -25.00      | 42.78       | 142         | 90        | Horizontal |
| 2               | 5172            | 69.55          | -45.31      | 32.97    | -38.04      | -25.00      | 13.04       | 201         | 225       | Horizontal |
| 3               | 7758.2700       | 42.47          | -42.64      | 36.70    | -58.73      | -25.00      | 33.73       | 198         | 270       | Horizontal |
| 4               | 8635.4500       | 38.57          | -41.46      | 37.81    | -60.34      | -25.00      | 35.34       | 213         | 287       | Horizontal |
| 5               | 10344.3600      | 39.25          | -39.05      | 38.85    | -56.22      | -25.00      | 31.22       | 255         | 87        | Horizontal |
| 6               | 12089.6300      | 34.03          | -37.37      | 39.04    | -59.56      | -25.00      | 34.56       | 175         | 196       | 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               | 3454.1800       | 43.63          | -46.27      | 29.48    | -68.42      | -25.00      | 43.42       | 316         | 148       | Vertical |
| 2               | 5172            | 70.70          | -45.31      | 32.97    | -36.89      | -25.00      | 11.89       | 248         | 3         | Vertical |
| 3               | 7758.2700       | 44.20          | -42.64      | 36.70    | -57.00      | -25.00      | 32.00       | 216         | 210       | Vertical |
| 4               | 8635.4500       | 38.30          | -41.46      | 37.81    | -60.61      | -25.00      | 35.61       | 284         | 270       | Vertical |
| 5               | 10344.3600      | 43.45          | -39.05      | 38.85    | -52.02      | -25.00      | 27.02       | 152         | 179       | Vertical |
| 6               | 12089.6300      | 34.09          | -37.37      | 39.04    | -59.50      | -25.00      | 34.50       | 132         | 16        | Vertical |



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**Test Band = LTE 38A\_66A\_ TM1**

**Test Channel = High**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 3504.1800       | 43.79          | -46.25      | 29.52    | -68.20      | -25.00      | 43.20       | 247         | 134       | Horizontal |
| 2               | 5202            | 73.19          | -45.28      | 32.99    | -34.36      | -25.00      | 9.36        | 159         | 360       | Horizontal |
| 3               | 7803.2700       | 41.29          | -42.33      | 36.78    | -59.51      | -25.00      | 34.51       | 216         | 300       | Horizontal |
| 4               | 8760.4500       | 38.98          | -41.42      | 38.02    | -59.69      | -25.00      | 34.69       | 235         | 61        | Horizontal |
| 5               | 10404.3600      | 38.25          | -39.00      | 38.86    | -57.15      | -25.00      | 32.15       | 224         | 300       | Horizontal |
| 6               | 12262.6300      | 33.61          | -37.44      | 39.11    | -59.98      | -25.00      | 34.98       | 154         | 148       | 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               | 3504.1800       | 42.99          | -46.25      | 29.52    | -69.00      | -25.00      | 44.00       | 172         | 285       | Vertical |
| 2               | 5202            | 75.11          | -45.28      | 32.99    | -32.44      | -25.00      | 7.44        | 213         | 14        | Vertical |
| 3               | 7803            | 48.99          | -42.33      | 36.78    | -51.81      | -25.00      | 26.81       | 264         | 225       | Vertical |
| 4               | 8760.4500       | 39.14          | -41.42      | 38.02    | -59.53      | -25.00      | 34.53       | 186         | 30        | Vertical |
| 5               | 10404.3600      | 36.17          | -39.00      | 38.86    | -59.23      | -25.00      | 34.23       | 229         | 225       | Vertical |
| 6               | 12262.6300      | 33.69          | -37.44      | 39.11    | -59.90      | -25.00      | 34.90       | 134         | 91        | Vertical |



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## Test on the worst case:

Test Band = LTE Band 38\_20MHz\_ TM1

Test Channel = Low Channel

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 5142.18         | 43.39          | -47.85      | 31.84    | -67.88      | -25.00      | 42.88       | Horizontal |
| 2               | 7713.27         | 41.24          | -45.17      | 36.54    | -62.65      | -25.00      | 37.65       | Horizontal |
| 3               | 10284.36        | 37.45          | -41.30      | 38.76    | -60.36      | -25.00      | 35.36       | Horizontal |
| 4               | 12855.45        | 35.50          | -39.37      | 38.69    | -60.45      | -25.00      | 35.45       | Horizontal |
| 5               | 15426.54        | 32.99          | -37.45      | 39.29    | -60.43      | -25.00      | 35.43       | Horizontal |
| 6               | 17997.63        | 31.32          | -36.60      | 45.29    | -55.25      | -25.00      | 30.25       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 5142.18         | 43.34          | -47.85      | 31.84    | -67.93      | -25.00      | 42.93       | Vertical |
| 2               | 7713.27         | 41.42          | -45.17      | 36.54    | -62.47      | -25.00      | 37.47       | Vertical |
| 3               | 10284.36        | 37.60          | -41.30      | 38.76    | -60.21      | -25.00      | 35.21       | Vertical |
| 4               | 12855.45        | 36.54          | -39.37      | 38.69    | -59.41      | -25.00      | 34.41       | Vertical |
| 5               | 15426.54        | 33.18          | -37.45      | 39.29    | -60.24      | -25.00      | 35.24       | Vertical |
| 6               | 17997.63        | 31.69          | -36.60      | 45.29    | -54.88      | -25.00      | 29.88       | Vertical |



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**Test Band = LTE Band 38\_20MHz\_ TM1**

**Test Channel = Mid Channel**

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 17971           | 32.99          | -36.55      | 45.11    | -53.71      | -25.00      | 28.71       | Horizontal |
| 2               | 5172.18         | 44.04          | -47.87      | 31.91    | -67.18      | -25.00      | 42.18       | Horizontal |
| 3               | 7758.27         | 41.20          | -45.03      | 36.49    | -62.60      | -25.00      | 37.60       | Horizontal |
| 4               | 10344.36        | 37.31          | -41.19      | 38.81    | -60.33      | -25.00      | 35.33       | Horizontal |
| 5               | 12930.45        | 35.90          | -39.42      | 38.64    | -60.14      | -25.00      | 35.14       | Horizontal |
| 6               | 15516.54        | 33.40          | -37.99      | 39.12    | -60.74      | -25.00      | 35.74       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 17911           | 33.47          | -36.46      | 44.73    | -53.52      | -25.00      | 28.52       | Vertical |
| 2               | 5172.18         | 42.81          | -47.87      | 31.91    | -68.41      | -25.00      | 43.41       | Vertical |
| 3               | 7758.27         | 41.67          | -45.03      | 36.49    | -62.13      | -25.00      | 37.13       | Vertical |
| 4               | 10344.36        | 36.82          | -41.19      | 38.81    | -60.82      | -25.00      | 35.82       | Vertical |
| 5               | 12930.45        | 36.03          | -39.42      | 38.64    | -60.01      | -25.00      | 35.01       | Vertical |
| 6               | 15516.54        | 32.95          | -37.99      | 39.12    | -61.19      | -25.00      | 36.19       | Vertical |



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**Test Band = LTE Band 38\_20MHz\_ 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               | 17912.5         | 33.37          | -36.46      | 44.74    | -53.61      | -25.00      | 28.61       | Horizontal |
| 2               | 5202.18         | 43.61          | -47.89      | 31.99    | -67.55      | -25.00      | 42.55       | Horizontal |
| 3               | 7803.27         | 41.20          | -44.93      | 36.44    | -62.55      | -25.00      | 37.55       | Horizontal |
| 4               | 10404.36        | 37.31          | -41.21      | 38.86    | -60.30      | -25.00      | 35.30       | Horizontal |
| 5               | 13005.45        | 35.39          | -39.34      | 38.61    | -60.59      | -25.00      | 35.59       | Horizontal |
| 6               | 15606.54        | 33.19          | -37.65      | 38.95    | -60.77      | -25.00      | 35.77       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 17914           | 33.24          | -36.46      | 44.75    | -53.73      | -25.00      | 28.73       | Vertical |
| 2               | 5202.18         | 42.50          | -47.89      | 31.99    | -68.66      | -25.00      | 43.66       | Vertical |
| 3               | 7803.27         | 40.72          | -44.93      | 36.44    | -63.03      | -25.00      | 38.03       | Vertical |
| 4               | 10404.36        | 37.80          | -41.21      | 38.86    | -59.81      | -25.00      | 34.81       | Vertical |
| 5               | 13005.45        | 36.37          | -39.34      | 38.61    | -59.61      | -25.00      | 34.61       | Vertical |
| 6               | 15606.54        | 33.06          | -37.65      | 38.95    | -60.90      | -25.00      | 35.90       | Vertical |



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Test Band = LTE CA 38A-66A\_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   | 5142.18            | 46.69             | -47.85         | 31.84    | -64.58         | -25.00         | 39.58          | Horizontal |
| 2   | 7713.27            | 41.64             | -45.17         | 36.54    | -62.25         | -25.00         | 37.25          | Horizontal |
| 3   | 10284.36           | 37.71             | -41.30         | 38.76    | -60.10         | -25.00         | 35.10          | Horizontal |
| 4   | 12855.45           | 35.48             | -39.37         | 38.69    | -60.47         | -25.00         | 35.47          | Horizontal |
| 5   | 15426.54           | 33.34             | -37.45         | 39.29    | -60.08         | -25.00         | 35.08          | Horizontal |
| 6   | 17997.63           | 31.47             | -36.60         | 45.29    | -55.10         | -25.00         | 30.10          | 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   | 5142.18            | 46.02             | -47.85         | 31.84    | -65.25         | -25.00         | 40.25          | Vertical |
| 2   | 7713.27            | 41.94             | -45.17         | 36.54    | -61.95         | -25.00         | 36.95          | Vertical |
| 3   | 10284.36           | 38.40             | -41.30         | 38.76    | -59.41         | -25.00         | 34.41          | Vertical |
| 4   | 12855.45           | 35.89             | -39.37         | 38.69    | -60.06         | -25.00         | 35.06          | Vertical |
| 5   | 15426.54           | 33.40             | -37.45         | 39.29    | -60.02         | -25.00         | 35.02          | Vertical |
| 6   | 17997.63           | 31.37             | -36.60         | 45.29    | -55.20         | -25.00         | 30.20          | Vertical |



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**Test Band = LTE CA 38A-66A\_ TM1**

**Test Channel = Mid Channel**

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 17919           | 33.57          | -36.47      | 44.78    | -53.38      | -25.00      | 28.38       | Horizontal |
| 2               | 5172.18         | 43.02          | -47.87      | 31.91    | -68.20      | -25.00      | 43.20       | Horizontal |
| 3               | 7758.27         | 41.02          | -45.03      | 36.49    | -62.78      | -25.00      | 37.78       | Horizontal |
| 4               | 10344.36        | 37.97          | -41.19      | 38.81    | -59.67      | -25.00      | 34.67       | Horizontal |
| 5               | 12930.45        | 35.24          | -39.42      | 38.64    | -60.80      | -25.00      | 35.80       | Horizontal |
| 6               | 15516.54        | 33.45          | -37.99      | 39.12    | -60.69      | -25.00      | 35.69       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 17881.5         | 33.42          | -36.62      | 44.54    | -53.92      | -25.00      | 28.92       | Vertical |
| 2               | 5172.18         | 43.19          | -47.87      | 31.91    | -68.03      | -25.00      | 43.03       | Vertical |
| 3               | 7758.27         | 40.81          | -45.03      | 36.49    | -62.99      | -25.00      | 37.99       | Vertical |
| 4               | 10344.36        | 37.18          | -41.19      | 38.81    | -60.46      | -25.00      | 35.46       | Vertical |
| 5               | 12930.45        | 35.93          | -39.42      | 38.64    | -60.11      | -25.00      | 35.11       | Vertical |
| 6               | 15516.54        | 33.66          | -37.99      | 39.12    | -60.48      | -25.00      | 35.48       | Vertical |



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**Test Band = LTE CA 38A-66A\_ 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               | 17977           | 32.88          | -36.56      | 45.15    | -53.79      | -25.00      | 28.79       | Horizontal |
| 2               | 5202.18         | 42.81          | -47.89      | 31.99    | -68.35      | -25.00      | 43.35       | Horizontal |
| 3               | 7803.27         | 40.61          | -44.93      | 36.44    | -63.14      | -25.00      | 38.14       | Horizontal |
| 4               | 10404.36        | 37.34          | -41.21      | 38.86    | -60.27      | -25.00      | 35.27       | Horizontal |
| 5               | 13005.45        | 34.81          | -39.34      | 38.61    | -61.17      | -25.00      | 36.17       | Horizontal |
| 6               | 15606.54        | 32.88          | -37.65      | 38.95    | -61.08      | -25.00      | 36.08       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 17980.5         | 32.79          | -36.57      | 45.18    | -53.86      | -25.00      | 28.86       | Vertical |
| 2               | 5202.18         | 42.16          | -47.89      | 31.99    | -69.00      | -25.00      | 44.00       | Vertical |
| 3               | 7803.27         | 40.58          | -44.93      | 36.44    | -63.17      | -25.00      | 38.17       | Vertical |
| 4               | 10404.36        | 37.01          | -41.21      | 38.86    | -60.60      | -25.00      | 35.60       | Vertical |
| 5               | 13005.45        | 35.28          | -39.34      | 38.61    | -60.70      | -25.00      | 35.70       | Vertical |
| 6               | 15606.54        | 33.44          | -37.65      | 38.95    | -60.52      | -25.00      | 35.52       | 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               | 7.20           | 0.002775        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VN            | NT               | -3.00          | -0.001156       | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VH            | NT               | 9.00           | 0.003468        | PASS    |

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | -30              | 4.60           | 0.001773        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | -20              | 4.20           | 0.001618        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | -10              | -3.00          | -0.001156       | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 0                | 7.70           | 0.002967        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 10               | 0.00           | 0.000000        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 20               | 1.60           | 0.000617        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 30               | 3.40           | 0.001310        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 40               | 0.30           | 0.000116        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | NV            | 50               | -2.80          | -0.001079       | PASS    |

---End of Attachment---



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