



# Appendix B

## E-UTRA Band 38



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## 1 Effective (Isotropic) Radiated Power

### 1.1. Test Result

#### ANT2:

| Band   | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------|--------------|------------|-------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0      | 24.59        | 22.39      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#12     | 24.67        | 22.47      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#24     | 24.57        | 22.37      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#0     | 23.74        | 21.54      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#6     | 23.75        | 21.55      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#13    | 23.72        | 21.52      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0     | 23.70        | 21.50      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0      | 24.49        | 22.29      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#12     | 24.65        | 22.45      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#24     | 24.58        | 22.38      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#0     | 23.66        | 21.46      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#6     | 23.62        | 21.42      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#13    | 23.68        | 21.48      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0     | 23.66        | 21.46      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0      | 24.54        | 22.34      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#12     | 24.58        | 22.38      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#24     | 24.45        | 22.25      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#0     | 23.62        | 21.42      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#6     | 23.70        | 21.50      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#13    | 23.59        | 21.39      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0     | 23.63        | 21.43      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0      | 23.81        | 21.61      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#12     | 23.73        | 21.53      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#24     | 23.86        | 21.66      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 12RB#0     | 22.44        | 20.24      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 12RB#6     | 22.45        | 20.25      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 12RB#13    | 22.45        | 20.25      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0     | 22.49        | 20.29      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0      | 23.66        | 21.46      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#12     | 23.77        | 21.57      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#24     | 23.85        | 21.65      | 33.00       | PASS    |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 5MHz  | 16QAM | 38000 | 12RB#0  | 22.35 | 20.15 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38000 | 12RB#6  | 22.41 | 20.21 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38000 | 12RB#13 | 22.37 | 20.17 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38000 | 25RB#0  | 22.42 | 20.22 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 1RB#0   | 23.67 | 21.47 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 1RB#12  | 23.76 | 21.56 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 1RB#24  | 23.65 | 21.45 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#0  | 22.27 | 20.07 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#6  | 22.37 | 20.17 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#13 | 22.37 | 20.17 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0  | 22.38 | 20.18 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 1RB#0   | 22.40 | 20.20 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 1RB#12  | 22.37 | 20.17 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 1RB#24  | 22.45 | 20.25 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 12RB#0  | 21.44 | 19.24 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 12RB#6  | 21.51 | 19.31 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 12RB#13 | 21.49 | 19.29 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 25RB#0  | 21.60 | 19.40 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 1RB#0   | 22.41 | 20.21 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 1RB#12  | 22.40 | 20.20 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 1RB#24  | 22.40 | 20.20 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 12RB#0  | 21.50 | 19.30 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 12RB#6  | 21.46 | 19.26 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 12RB#13 | 21.62 | 19.42 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 25RB#0  | 21.63 | 19.43 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 1RB#0   | 22.38 | 20.18 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 1RB#12  | 22.37 | 20.17 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 1RB#24  | 22.46 | 20.26 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 12RB#0  | 21.56 | 19.36 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 12RB#6  | 21.65 | 19.45 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 12RB#13 | 21.61 | 19.41 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 25RB#0  | 21.51 | 19.31 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#0   | 24.58 | 22.38 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#24  | 24.51 | 22.31 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#49  | 24.53 | 22.33 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#0  | 23.68 | 21.48 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#12 | 23.75 | 21.55 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#25 | 23.75 | 21.55 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0  | 23.72 | 21.52 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#0   | 24.54 | 22.34 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#24  | 24.67 | 22.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#49  | 24.60 | 22.40 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#0  | 23.67 | 21.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#12 | 23.73 | 21.53 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#25 | 23.70 | 21.50 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0  | 23.58 | 21.38 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#0   | 24.69 | 22.49 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#24  | 24.64 | 22.44 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#49  | 24.38 | 22.18 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#0  | 23.67 | 21.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#12 | 23.61 | 21.41 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#25 | 23.67 | 21.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0  | 23.55 | 21.35 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0   | 23.69 | 21.49 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#24  | 23.65 | 21.45 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#49  | 23.63 | 21.43 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#0  | 22.41 | 20.21 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#12 | 22.50 | 20.30 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#25 | 22.49 | 20.29 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0  | 22.48 | 20.28 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0   | 23.59 | 21.39 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#24  | 23.63 | 21.43 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#49  | 23.64 | 21.44 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#0  | 22.38 | 20.18 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#12 | 22.45 | 20.25 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#25 | 22.41 | 20.21 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0  | 22.50 | 20.30 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0   | 23.66 | 21.46 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#24  | 23.64 | 21.44 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#49  | 23.59 | 21.39 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#0  | 22.41 | 20.21 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#12 | 22.43 | 20.23 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#25 | 22.48 | 20.28 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0  | 22.39 | 20.19 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#0   | 22.37 | 20.17 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#24  | 22.38 | 20.18 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 10MHz | 64QAM | 37800 | 1RB#49  | 22.35 | 20.15 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#0  | 21.50 | 19.30 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#12 | 21.47 | 19.27 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#25 | 21.57 | 19.37 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 50RB#0  | 21.64 | 19.44 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#0   | 22.45 | 20.25 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#24  | 22.33 | 20.13 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#49  | 22.45 | 20.25 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#0  | 21.42 | 19.22 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#12 | 21.61 | 19.41 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#25 | 21.62 | 19.42 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0  | 21.41 | 19.21 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#0   | 22.37 | 20.17 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#24  | 22.39 | 20.19 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#49  | 22.40 | 20.20 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#0  | 21.51 | 19.31 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#12 | 21.43 | 19.23 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#25 | 21.56 | 19.36 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 50RB#0  | 21.45 | 19.25 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#0   | 24.54 | 22.34 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#38  | 24.52 | 22.32 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#74  | 24.62 | 22.42 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 38RB#0  | 23.70 | 21.50 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 38RB#18 | 23.70 | 21.50 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 38RB#37 | 23.66 | 21.46 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0  | 23.70 | 21.50 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#0   | 24.54 | 22.34 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#38  | 24.49 | 22.29 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#74  | 24.49 | 22.29 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 38RB#0  | 23.60 | 21.40 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 38RB#18 | 23.62 | 21.42 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 38RB#37 | 23.63 | 21.43 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0  | 23.63 | 21.43 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#0   | 24.47 | 22.27 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#38  | 24.52 | 22.32 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#74  | 24.36 | 22.16 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 38RB#0  | 23.70 | 21.50 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 38RB#18 | 23.68 | 21.48 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | QPSK  | 38175 | 38RB#37 | 23.63 | 21.43 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | 23.68 | 21.48 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0   | 23.66 | 21.46 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#38  | 23.61 | 21.41 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#74  | 23.64 | 21.44 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#0  | 22.39 | 20.19 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#18 | 22.48 | 20.28 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#37 | 22.45 | 20.25 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | 22.50 | 20.30 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0   | 23.79 | 21.59 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#38  | 23.63 | 21.43 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#74  | 23.65 | 21.45 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#0  | 22.45 | 20.25 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#18 | 22.41 | 20.21 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#37 | 22.42 | 20.22 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | 22.44 | 20.24 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0   | 23.69 | 21.49 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#38  | 23.56 | 21.36 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#74  | 23.64 | 21.44 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#0  | 22.32 | 20.12 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#18 | 22.36 | 20.16 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#37 | 22.38 | 20.18 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | 22.40 | 20.20 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#0   | 22.31 | 20.11 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#38  | 22.33 | 20.13 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#74  | 22.44 | 20.24 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#0  | 21.41 | 19.21 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#18 | 21.56 | 19.36 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#37 | 21.49 | 19.29 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 75RB#0  | 21.42 | 19.22 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#0   | 22.41 | 20.21 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#38  | 22.38 | 20.18 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#74  | 22.47 | 20.27 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#0  | 21.56 | 19.36 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#18 | 21.54 | 19.34 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#37 | 21.63 | 19.43 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0  | 21.44 | 19.24 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#0   | 22.44 | 20.24 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | 64QAM | 38175 | 1RB#38  | 22.42 | 20.22 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#74  | 22.41 | 20.21 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 38RB#0  | 21.44 | 19.24 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 38RB#18 | 21.66 | 19.46 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 38RB#37 | 21.48 | 19.28 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 75RB#0  | 21.68 | 19.48 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0   | 24.47 | 22.27 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#49  | 24.59 | 22.39 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#99  | 24.41 | 22.21 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#0  | 23.65 | 21.45 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#25 | 23.67 | 21.47 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#50 | 23.69 | 21.49 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | 23.68 | 21.48 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0   | 24.46 | 22.26 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#49  | 24.56 | 22.36 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#99  | 24.37 | 22.17 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#0  | 23.63 | 21.43 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#25 | 23.61 | 21.41 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#50 | 23.66 | 21.46 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | 23.61 | 21.41 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0   | 24.48 | 22.28 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#49  | 24.41 | 22.21 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#99  | 24.40 | 22.20 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#0  | 23.60 | 21.40 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#25 | 23.65 | 21.45 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#50 | 23.58 | 21.38 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | 23.66 | 21.46 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0   | 23.71 | 21.51 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#49  | 23.54 | 21.34 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#99  | 23.67 | 21.47 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#0  | 22.63 | 20.43 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#25 | 22.67 | 20.47 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#50 | 22.79 | 20.59 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 22.72 | 20.52 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0   | 23.64 | 21.44 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#49  | 23.66 | 21.46 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#99  | 23.68 | 21.48 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#0  | 22.69 | 20.49 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 20MHz | 16QAM | 38000 | 50RB#25 | 22.63 | 20.43 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#50 | 22.72 | 20.52 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 22.64 | 20.44 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0   | 23.65 | 21.45 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#49  | 23.53 | 21.33 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#99  | 23.57 | 21.37 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#0  | 22.66 | 20.46 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#25 | 22.68 | 20.48 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#50 | 22.67 | 20.47 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 22.66 | 20.46 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#0   | 22.59 | 20.39 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#49  | 22.63 | 20.43 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#99  | 22.66 | 20.46 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#0  | 21.76 | 19.56 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#25 | 21.68 | 19.48 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#50 | 21.66 | 19.46 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | 21.78 | 19.58 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#0   | 22.64 | 20.44 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#49  | 22.65 | 20.45 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#99  | 22.68 | 20.48 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#0  | 21.92 | 19.72 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#25 | 21.93 | 19.73 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#50 | 21.70 | 19.50 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 21.93 | 19.73 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#0   | 22.69 | 20.49 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#49  | 22.63 | 20.43 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#99  | 22.61 | 20.41 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#0  | 21.70 | 19.50 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#25 | 21.86 | 19.66 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#50 | 21.91 | 19.71 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 21.88 | 19.68 | 33.00 | PASS |





**ANT5:**

| Band   | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------|--------------|------------|-------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0      | 21.92        | 20.32      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#12     | 22.01        | 20.41      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#24     | 21.93        | 20.33      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#0     | 21.10        | 19.50      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#6     | 21.11        | 19.51      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#13    | 21.08        | 19.48      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0     | 21.09        | 19.49      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0      | 21.84        | 20.24      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#12     | 21.93        | 20.33      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#24     | 21.89        | 20.29      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#0     | 21.01        | 19.41      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#6     | 20.97        | 19.37      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#13    | 21.04        | 19.44      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0     | 20.93        | 19.33      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0      | 21.81        | 20.21      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#12     | 21.92        | 20.32      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#24     | 21.87        | 20.27      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#0     | 20.93        | 19.33      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#6     | 20.98        | 19.38      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#13    | 20.98        | 19.38      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0     | 21.05        | 19.45      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#0      | 21.12        | 19.52      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#12     | 21.22        | 19.62      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 1RB#24     | 21.17        | 19.57      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 12RB#0     | 20.07        | 18.47      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 12RB#6     | 20.08        | 18.48      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 12RB#13    | 20.03        | 18.43      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0     | 20.10        | 18.50      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#0      | 21.05        | 19.45      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#12     | 21.07        | 19.47      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 1RB#24     | 21.16        | 19.56      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 12RB#0     | 19.92        | 18.32      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 12RB#6     | 20.02        | 18.42      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 12RB#13    | 20.00        | 18.40      | 33.00       | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0     | 20.03        | 18.43      | 33.00       | PASS    |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 5MHz  | 16QAM | 38225 | 1RB#0   | 21.00 | 19.40 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 1RB#12  | 21.08 | 19.48 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 1RB#24  | 21.08 | 19.48 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#0  | 19.96 | 18.36 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#6  | 20.01 | 18.41 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#13 | 20.00 | 18.40 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0  | 20.01 | 18.41 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 1RB#0   | 19.91 | 18.31 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 1RB#12  | 19.86 | 18.26 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 1RB#24  | 19.91 | 18.31 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 12RB#0  | 18.87 | 17.27 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 12RB#6  | 19.07 | 17.47 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 12RB#13 | 18.98 | 17.38 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 37775 | 25RB#0  | 19.08 | 17.48 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 1RB#0   | 19.98 | 18.38 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 1RB#12  | 19.93 | 18.33 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 1RB#24  | 19.98 | 18.38 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 12RB#0  | 19.01 | 17.41 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 12RB#6  | 18.96 | 17.36 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 12RB#13 | 18.97 | 17.37 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38000 | 25RB#0  | 18.88 | 17.28 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 1RB#0   | 20.05 | 18.45 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 1RB#12  | 19.92 | 18.32 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 1RB#24  | 19.88 | 18.28 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 12RB#0  | 18.97 | 17.37 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 12RB#6  | 19.15 | 17.55 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 12RB#13 | 18.96 | 17.36 | 33.00 | PASS |
| Band38 | 5MHz  | 64QAM | 38225 | 25RB#0  | 18.97 | 17.37 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#0   | 21.86 | 20.26 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#24  | 21.90 | 20.30 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#49  | 22.03 | 20.43 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#0  | 21.01 | 19.41 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#12 | 21.09 | 19.49 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#25 | 21.04 | 19.44 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0  | 21.13 | 19.53 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#0   | 21.89 | 20.29 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#24  | 22.03 | 20.43 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#49  | 21.97 | 20.37 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 10MHz | QPSK  | 38000 | 25RB#0  | 21.04 | 19.44 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#12 | 21.07 | 19.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#25 | 21.07 | 19.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0  | 21.08 | 19.48 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#0   | 21.88 | 20.28 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#24  | 21.94 | 20.34 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#49  | 21.75 | 20.15 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#0  | 20.96 | 19.36 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#12 | 20.97 | 19.37 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#25 | 20.97 | 19.37 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0  | 20.91 | 19.31 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0   | 21.03 | 19.43 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#24  | 20.96 | 19.36 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#49  | 21.03 | 19.43 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#0  | 20.04 | 18.44 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#12 | 20.14 | 18.54 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#25 | 20.05 | 18.45 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0  | 20.14 | 18.54 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0   | 20.97 | 19.37 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#24  | 20.99 | 19.39 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#49  | 20.99 | 19.39 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#0  | 19.88 | 18.28 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#12 | 20.04 | 18.44 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#25 | 20.08 | 18.48 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0  | 20.11 | 18.51 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0   | 21.01 | 19.41 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#24  | 20.96 | 19.36 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#49  | 20.88 | 19.28 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#0  | 20.04 | 18.44 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#12 | 19.98 | 18.38 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#25 | 19.93 | 18.33 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0  | 20.05 | 18.45 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#0   | 19.95 | 18.35 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#24  | 19.95 | 18.35 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#49  | 19.92 | 18.32 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#0  | 18.93 | 17.33 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#12 | 19.07 | 17.47 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#25 | 18.87 | 17.27 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 10MHz | 64QAM | 37800 | 50RB#0  | 18.87 | 17.27 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#0   | 19.86 | 18.26 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#24  | 19.86 | 18.26 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#49  | 19.90 | 18.30 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#0  | 18.93 | 17.33 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#12 | 19.10 | 17.50 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#25 | 19.12 | 17.52 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0  | 19.13 | 17.53 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#0   | 19.94 | 18.34 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#24  | 19.89 | 18.29 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#49  | 19.86 | 18.26 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#0  | 18.86 | 17.26 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#12 | 19.02 | 17.42 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#25 | 18.86 | 17.26 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 50RB#0  | 19.08 | 17.48 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#0   | 21.83 | 20.23 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#38  | 21.89 | 20.29 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#74  | 21.83 | 20.23 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 38RB#0  | 21.07 | 19.47 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 38RB#18 | 21.06 | 19.46 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 38RB#37 | 21.08 | 19.48 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0  | 21.10 | 19.50 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#0   | 21.89 | 20.29 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#38  | 21.86 | 20.26 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#74  | 21.74 | 20.14 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 38RB#0  | 20.98 | 19.38 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 38RB#18 | 20.95 | 19.35 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 38RB#37 | 20.94 | 19.34 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0  | 20.94 | 19.34 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#0   | 21.84 | 20.24 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#38  | 21.81 | 20.21 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#74  | 21.82 | 20.22 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 38RB#0  | 20.93 | 19.33 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 38RB#18 | 21.01 | 19.41 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 38RB#37 | 21.00 | 19.40 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | 21.00 | 19.40 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0   | 20.99 | 19.39 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#38  | 21.05 | 19.45 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | 16QAM | 37825 | 1RB#74  | 21.08 | 19.48 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#0  | 19.97 | 18.37 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#18 | 20.06 | 18.46 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#37 | 20.04 | 18.44 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | 20.09 | 18.49 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0   | 20.96 | 19.36 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#38  | 20.99 | 19.39 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#74  | 21.03 | 19.43 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#0  | 19.92 | 18.32 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#18 | 19.86 | 18.26 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#37 | 20.00 | 18.40 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | 20.04 | 18.44 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0   | 20.91 | 19.31 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#38  | 20.94 | 19.34 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#74  | 20.96 | 19.36 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#0  | 19.93 | 18.33 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#18 | 20.01 | 18.41 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#37 | 19.92 | 18.32 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | 20.10 | 18.50 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#0   | 20.05 | 18.45 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#38  | 19.87 | 18.27 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#74  | 19.88 | 18.28 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#0  | 18.94 | 17.34 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#18 | 19.02 | 17.42 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#37 | 18.89 | 17.29 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 75RB#0  | 19.02 | 17.42 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#0   | 20.05 | 18.45 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#38  | 19.87 | 18.27 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#74  | 19.97 | 18.37 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#0  | 18.91 | 17.31 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#18 | 18.86 | 17.26 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#37 | 18.89 | 17.29 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0  | 18.89 | 17.29 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#0   | 20.05 | 18.45 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#38  | 19.95 | 18.35 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#74  | 19.95 | 18.35 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 38RB#0  | 18.89 | 17.29 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 38RB#18 | 19.03 | 17.43 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | 64QAM | 38175 | 38RB#37 | 19.12 | 17.52 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 75RB#0  | 19.08 | 17.48 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0   | 22.03 | 20.43 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#49  | 21.86 | 20.26 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#99  | 21.89 | 20.29 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#0  | 20.95 | 19.35 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#25 | 21.08 | 19.48 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#50 | 21.02 | 19.42 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | 21.08 | 19.48 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0   | 22.01 | 20.41 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#49  | 21.81 | 20.21 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#99  | 21.81 | 20.21 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#0  | 20.98 | 19.38 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#25 | 21.01 | 19.41 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#50 | 21.02 | 19.42 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | 21.01 | 19.41 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0   | 21.96 | 20.36 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#49  | 21.78 | 20.18 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#99  | 21.77 | 20.17 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#0  | 20.97 | 19.37 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#25 | 20.97 | 19.37 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#50 | 20.98 | 19.38 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | 21.08 | 19.48 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0   | 21.02 | 19.42 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#49  | 20.93 | 19.33 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#99  | 21.05 | 19.45 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#0  | 19.99 | 18.39 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#25 | 20.11 | 18.51 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#50 | 20.19 | 18.59 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 20.03 | 18.43 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0   | 21.03 | 19.43 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#49  | 20.93 | 19.33 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#99  | 20.98 | 19.38 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#0  | 19.94 | 18.34 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#25 | 19.97 | 18.37 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#50 | 20.01 | 18.41 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 20.04 | 18.44 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0   | 20.98 | 19.38 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 20MHz | 16QAM | 38150 | 1RB#49  | 20.93 | 19.33 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#99  | 21.04 | 19.44 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#0  | 19.95 | 18.35 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#25 | 20.02 | 18.42 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#50 | 20.02 | 18.42 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 20.06 | 18.46 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#0   | 20.05 | 18.45 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#49  | 19.98 | 18.38 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#99  | 19.93 | 18.33 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#0  | 19.02 | 17.42 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#25 | 19.07 | 17.47 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#50 | 19.06 | 17.46 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | 19.07 | 17.47 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#0   | 19.96 | 18.36 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#49  | 20.04 | 18.44 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#99  | 19.97 | 18.37 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#0  | 18.94 | 17.34 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#25 | 19.05 | 17.45 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#50 | 18.87 | 17.27 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 19.12 | 17.52 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#0   | 20.03 | 18.43 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#49  | 19.97 | 18.37 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#99  | 19.88 | 18.28 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#0  | 19.06 | 17.46 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#25 | 19.14 | 17.54 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#50 | 19.01 | 17.41 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 18.89 | 17.29 | 33.00 | PASS |

**Remark:**

1. For Ant1& Ant2 & Ant3 & Ant5, the whole testing has assessed Ant2 & Ant5 by referring to the higher conducted power.
2. The Maximum ERP/EIRP is calculated from Max Output power and Max antenna gain, only the maximum ERP/EIRP is shown in the report
3. For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,  

$$\text{ERP [dBm]} = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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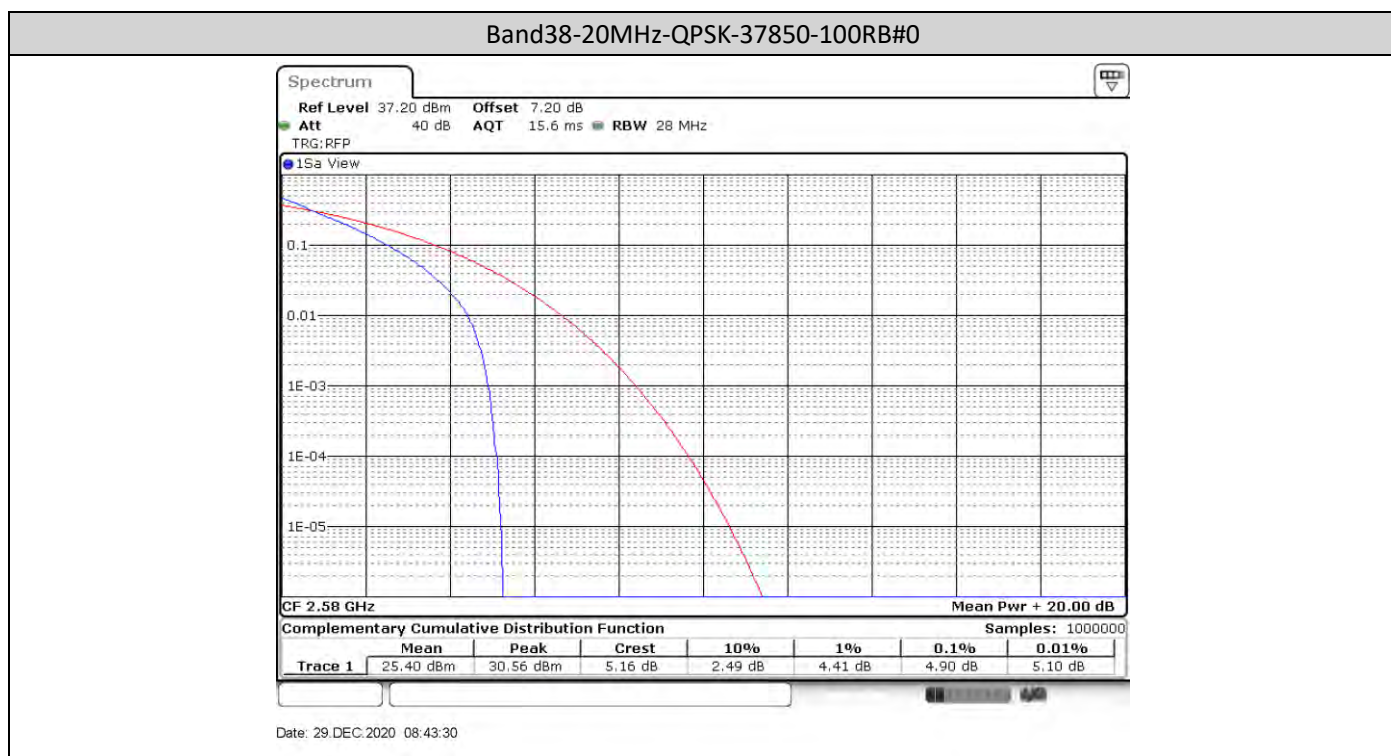


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 4.90       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | 6.96       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | 7.04       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0          | 6.38       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0          | 7.83       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0          | 7.88       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | 7.88       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0          | 7.86       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0          | 7.88       | 13        | PASS    |

### 2.2. Test Plots



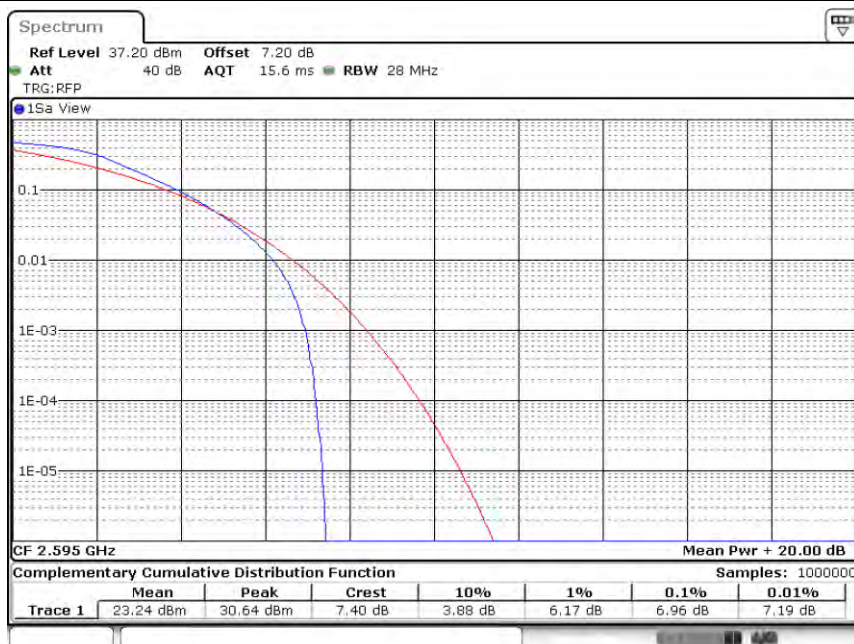
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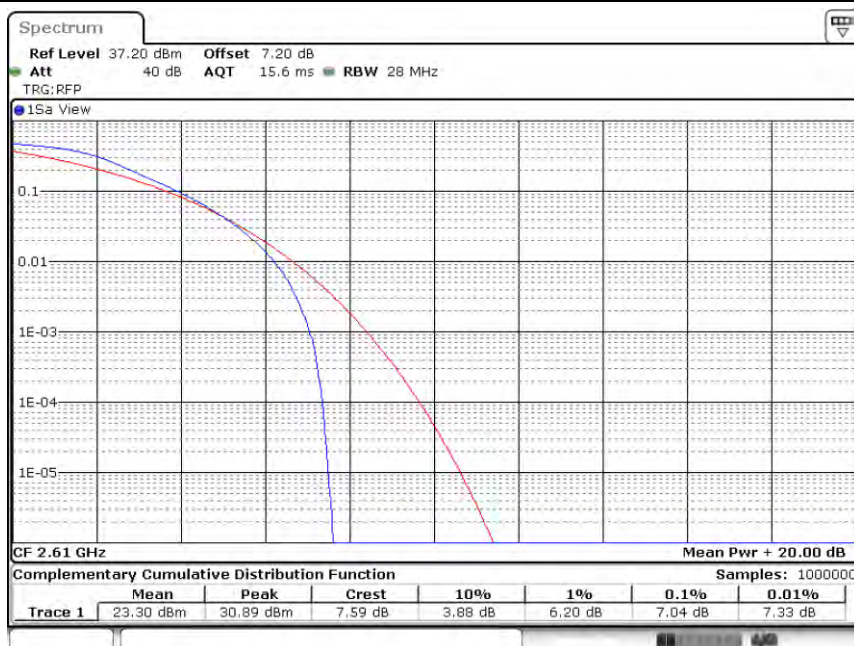


Band38-20MHz-QPSK-38000-100RB#0



Date: 29 DEC. 2020 08:43:52

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



Date: 29 DEC. 2020 08:44:15

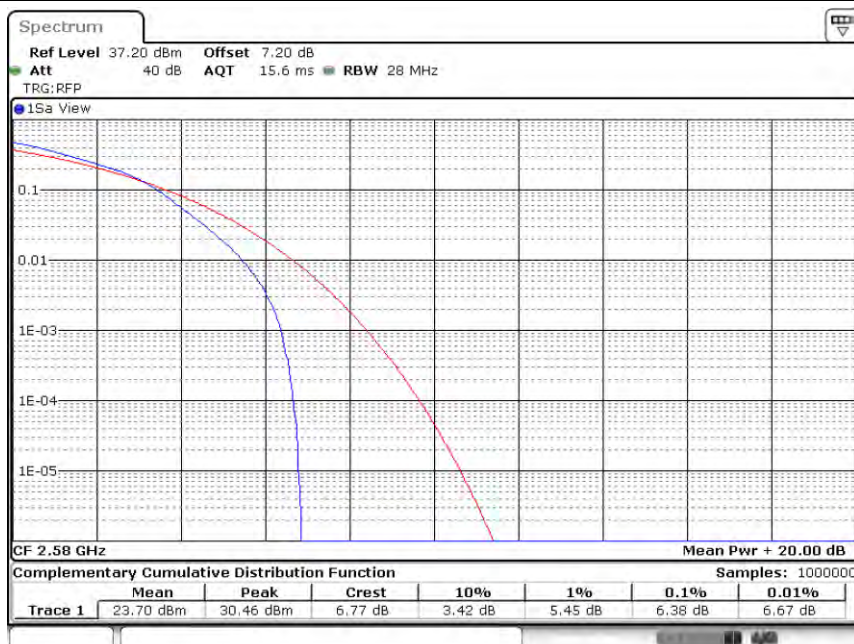


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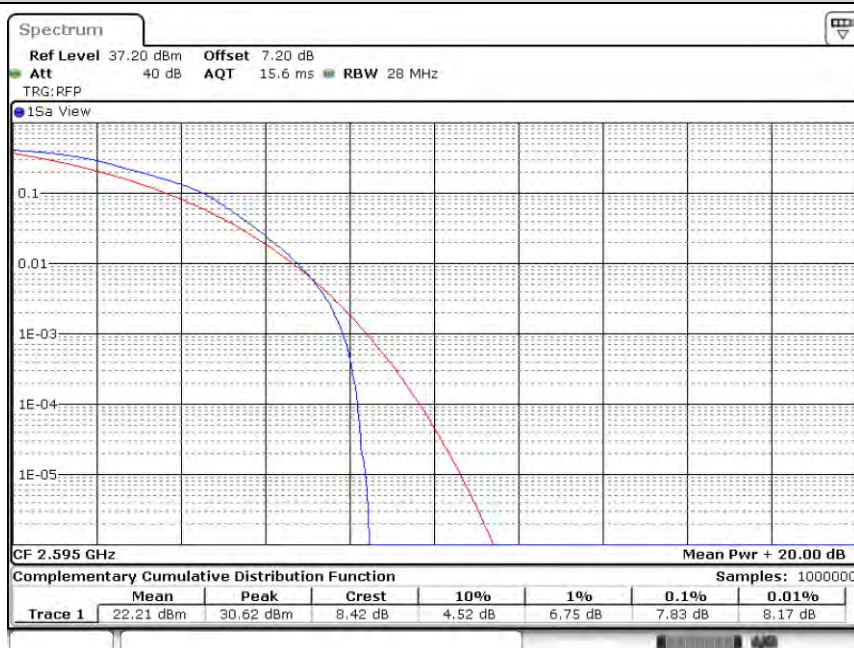


Band38-20MHz-64QAM-37850-100RB#0



Date: 29 DEC. 2020 09:20:30

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



Date: 29 DEC. 2020 09:20:41



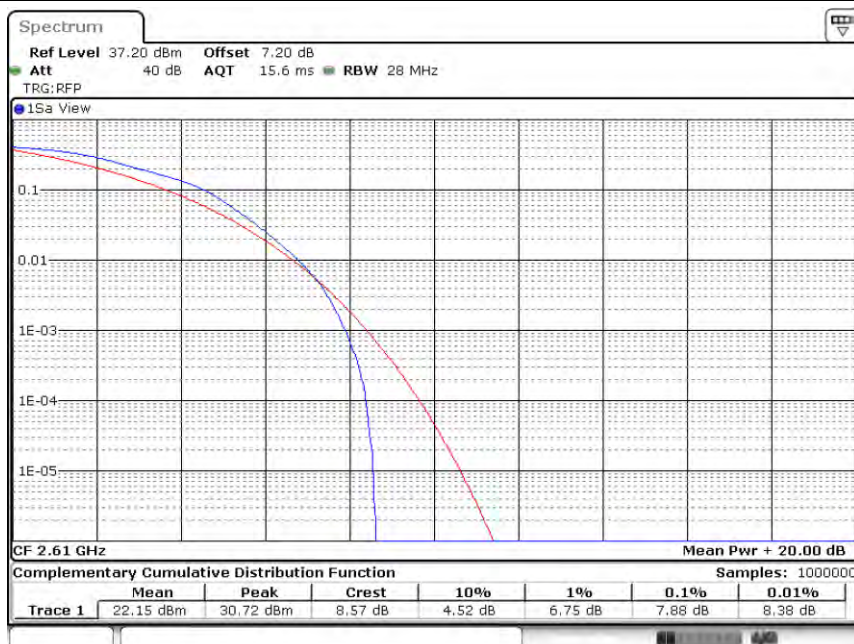
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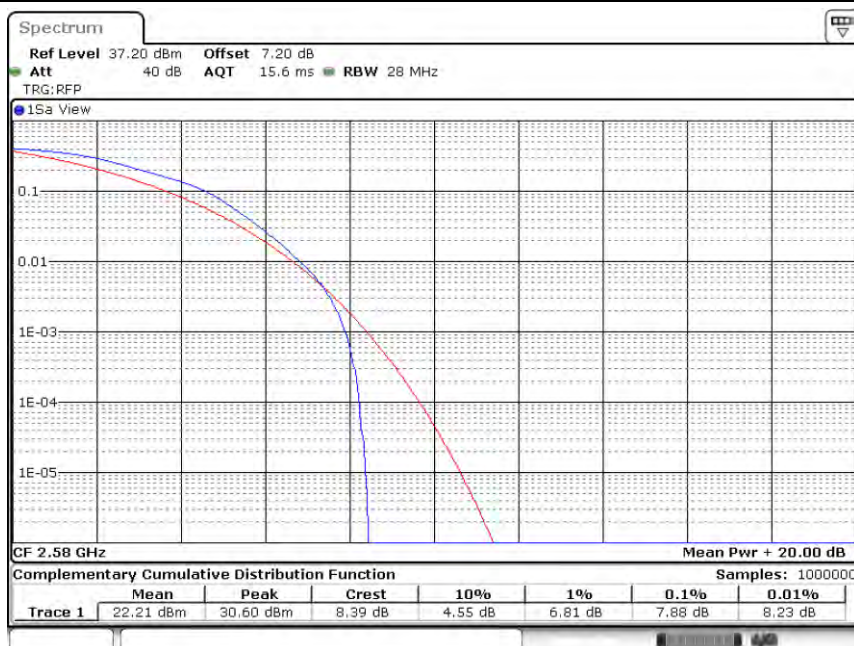


Band38-20MHz-64QAM-38150-100RB#0



Date: 29 DEC. 2020 09:20:52

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



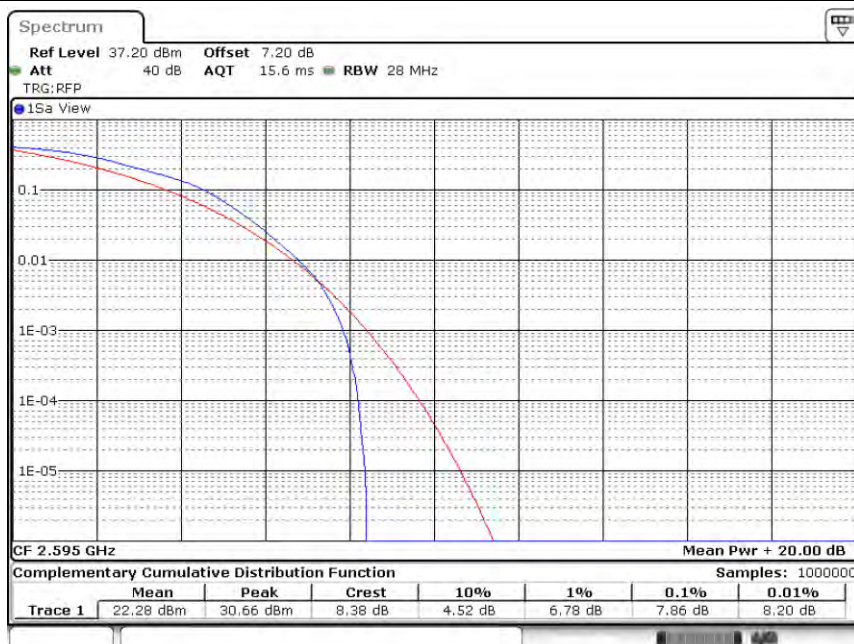
Date: 29 DEC. 2020 08:43:41



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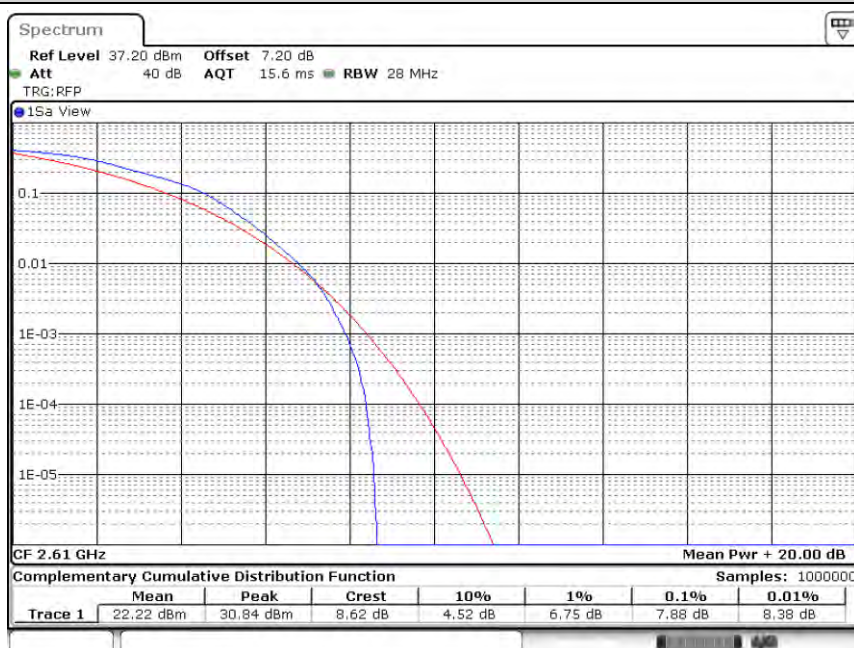
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Band38-20MHz-16QAM-38000-100RB#0



Date: 29 DEC. 2020 08:44:03

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



Date: 29 DEC. 2020 08:44:26



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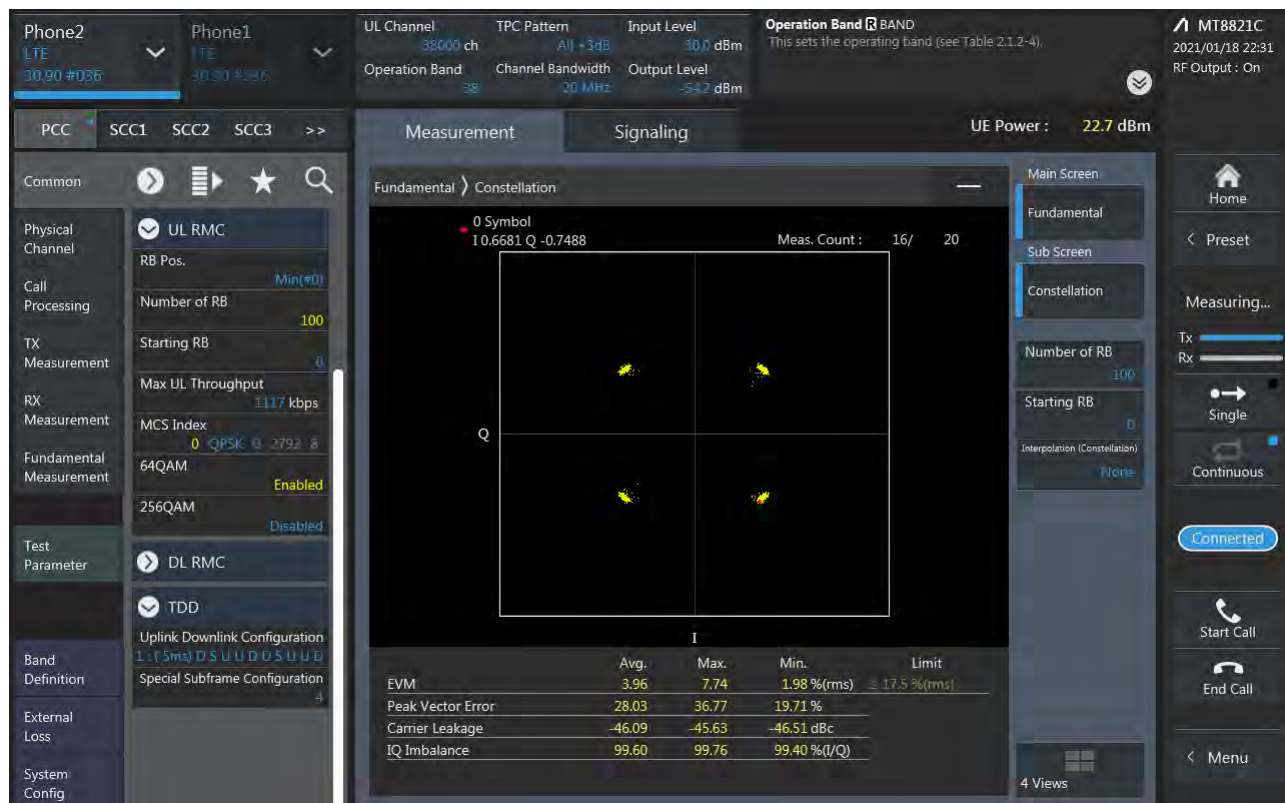




### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 20MHz

##### 3.1.1. Test Channel = MCH

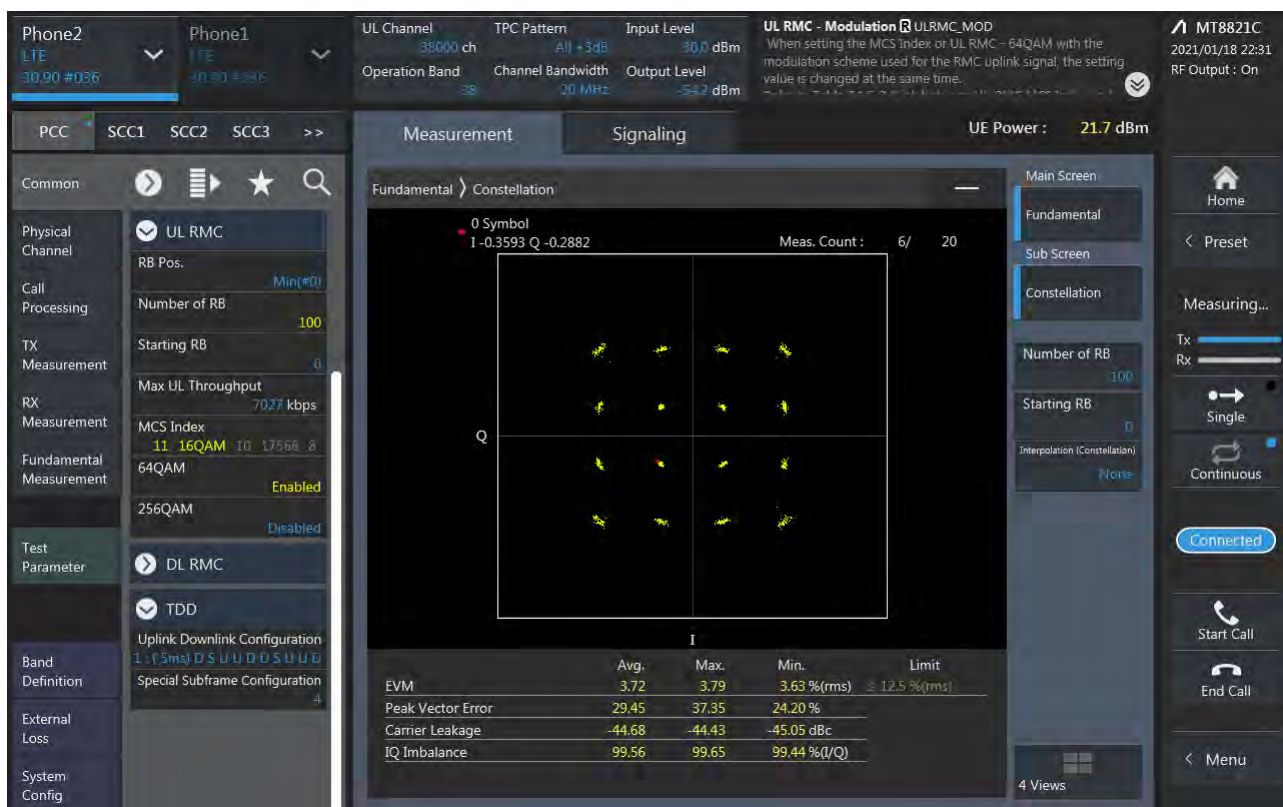






## 3.2. Test Mode = LTE /TM2 20MHz

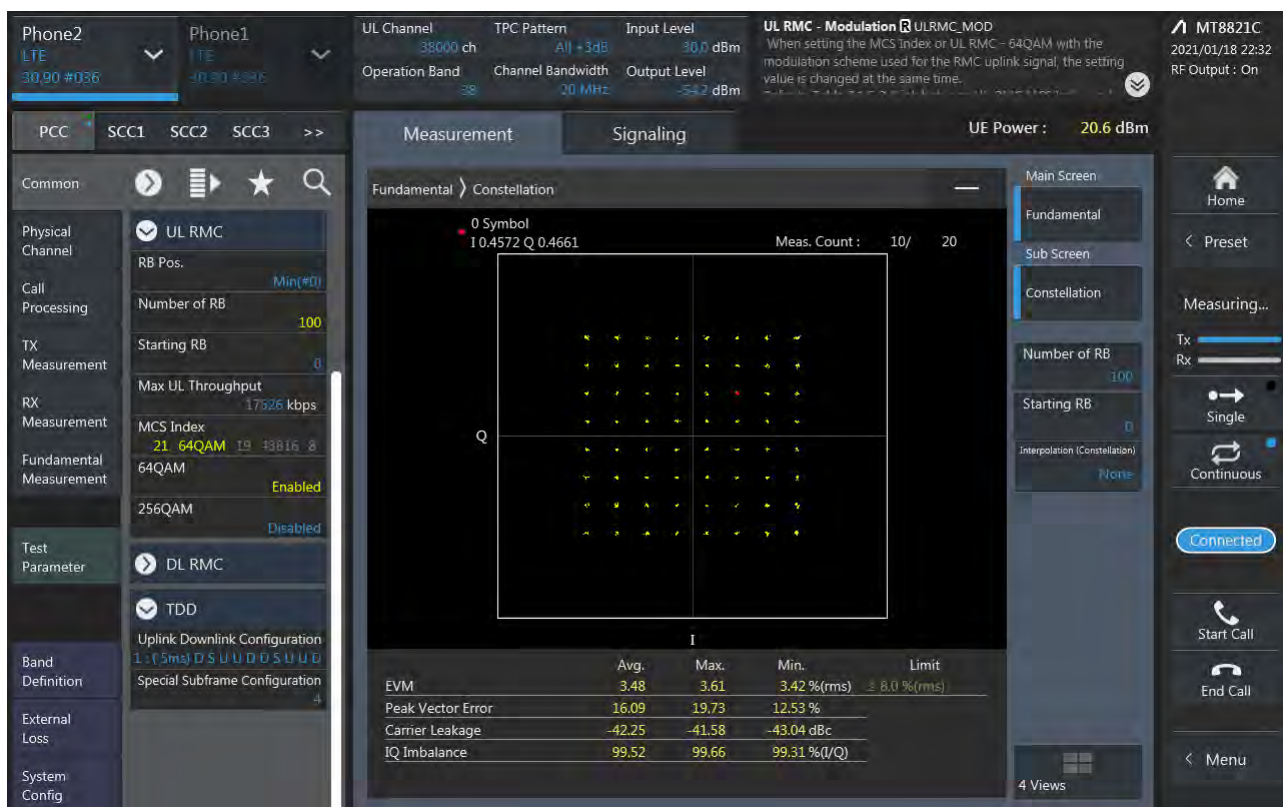
### 3.2.1. Test Channel = MCH





### 3.3. Test Mode = LTE /TM3 20MHz

#### 3.3.1. Test Channel = MCH





## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 4.466                    | 4.880                | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 4.466                    | 4.850                | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 4.466                    | 4.870                | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 25RB#0           | 4.466                    | 4.890                | PASS    |
| Band38 | 5MHz      | 64QAM      | 38000   | 25RB#0           | 4.466                    | 4.870                | PASS    |
| Band38 | 5MHz      | 64QAM      | 38225   | 25RB#0           | 4.466                    | 4.880                | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 4.486                    | 4.940                | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 4.496                    | 4.940                | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 4.486                    | 4.920                | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | 8.911                    | 9.660                | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | 8.911                    | 9.700                | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | 8.931                    | 9.700                | PASS    |
| Band38 | 10MHz     | 64QAM      | 37800   | 50RB#0           | 8.911                    | 9.740                | PASS    |
| Band38 | 10MHz     | 64QAM      | 38000   | 50RB#0           | 8.911                    | 9.740                | PASS    |
| Band38 | 10MHz     | 64QAM      | 38200   | 50RB#0           | 8.911                    | 9.760                | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | 8.911                    | 9.640                | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | 8.911                    | 9.620                | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | 8.911                    | 9.640                | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | 13.457                   | 14.790               | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | 13.457                   | 14.700               | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | 13.457                   | 14.790               | PASS    |
| Band38 | 15MHz     | 64QAM      | 37825   | 75RB#0           | 13.457                   | 14.730               | PASS    |
| Band38 | 15MHz     | 64QAM      | 38000   | 75RB#0           | 13.457                   | 14.760               | PASS    |
| Band38 | 15MHz     | 64QAM      | 38175   | 75RB#0           | 13.457                   | 14.730               | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | 13.427                   | 14.670               | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 75RB#0           | 13.427                   | 14.670               | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 75RB#0           | 13.427                   | 14.670               | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 17.902                   | 19.400               | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | 17.902                   | 19.440               | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | 17.902                   | 19.360               | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0          | 17.862                   | 19.360               | PASS    |



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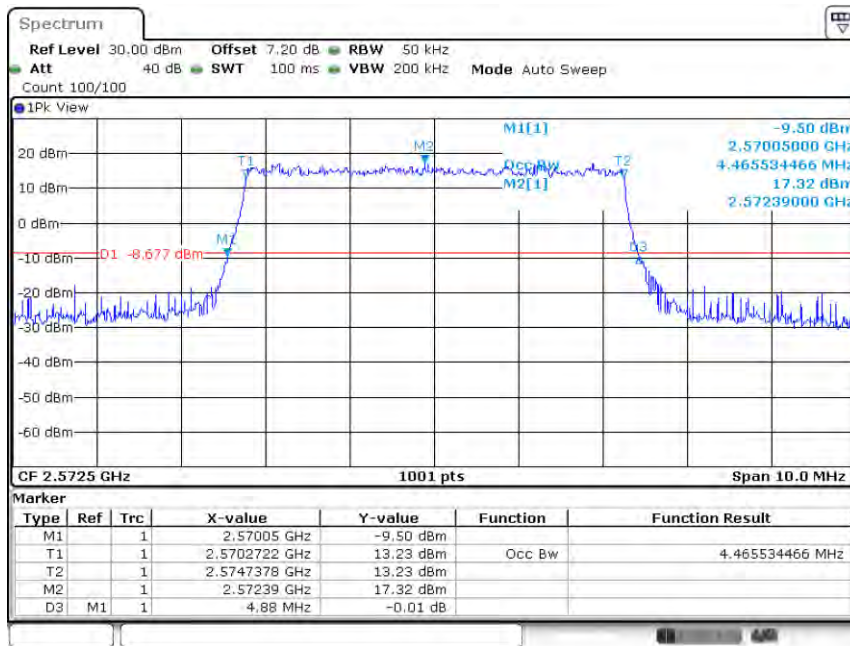




|        |       |       |       |         |        |        |      |
|--------|-------|-------|-------|---------|--------|--------|------|
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 17.862 | 19.360 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 17.862 | 19.320 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 17.862 | 19.400 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 17.862 | 19.320 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 17.862 | 19.320 | PASS |

## 4.2. Test Plots

Band38-5MHz-QPSK-37775-25RB#0-4.466

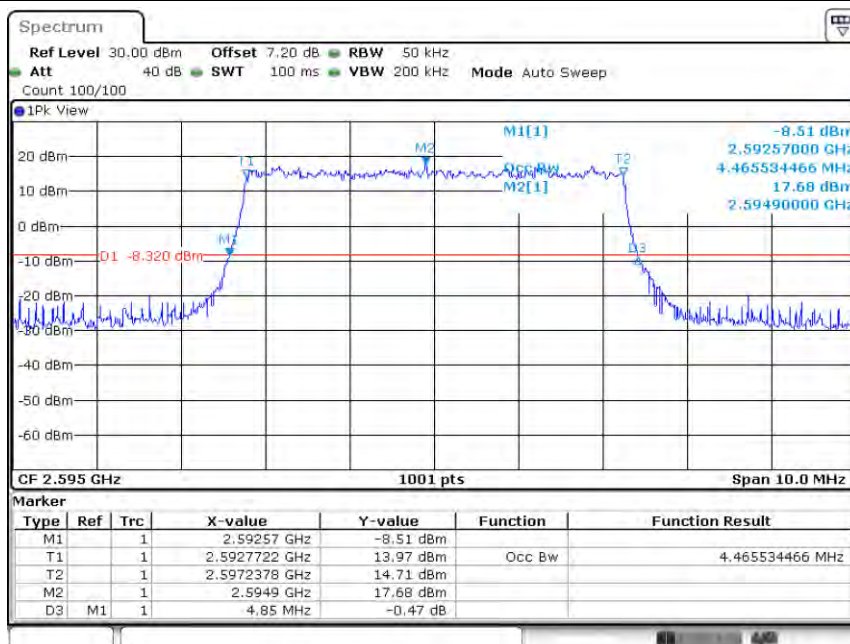


Date: 29 DEC 2020 08:21:24



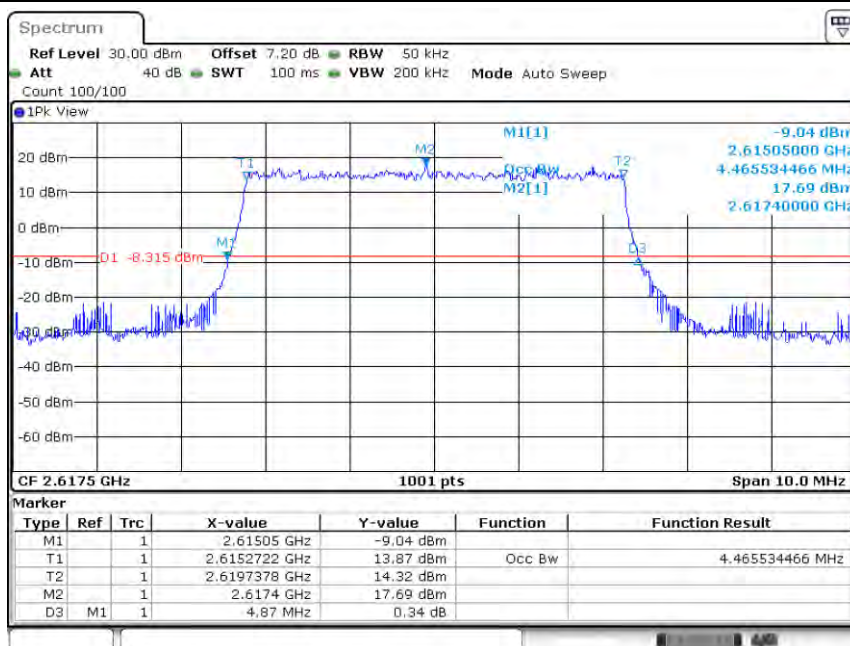


Band38-5MHz-QPSK-38000-25RB#0-4.466



Date: 29 DEC. 2020 08:22:03

Band38-5MHz-QPSK-38225-25RB#0-4.466



Date: 29 DEC. 2020 08:22:43



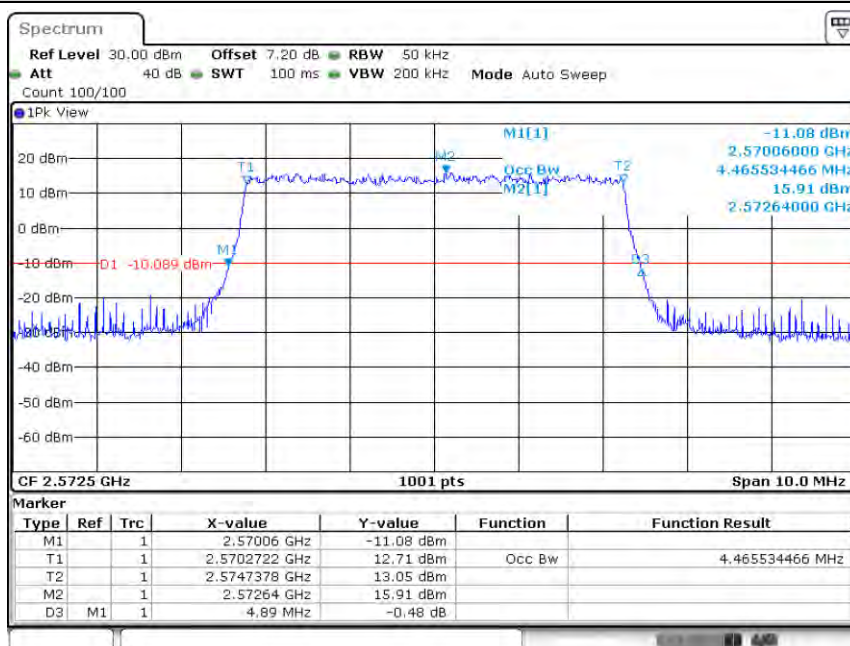
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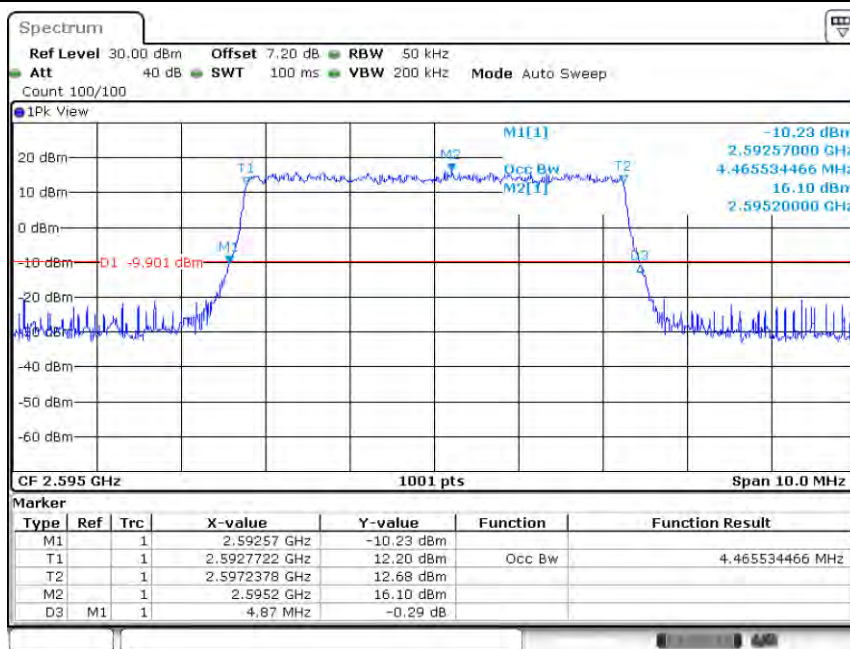




Band38-5MHz-64QAM-37775-25RB#0-4.466



Band38-5MHz-64QAM-38000-25RB#0-4.466



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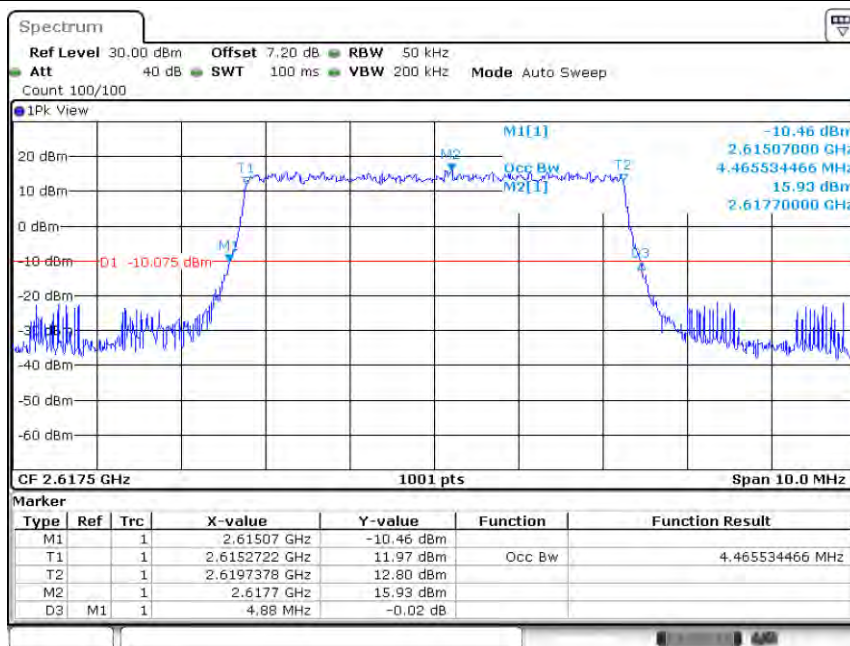
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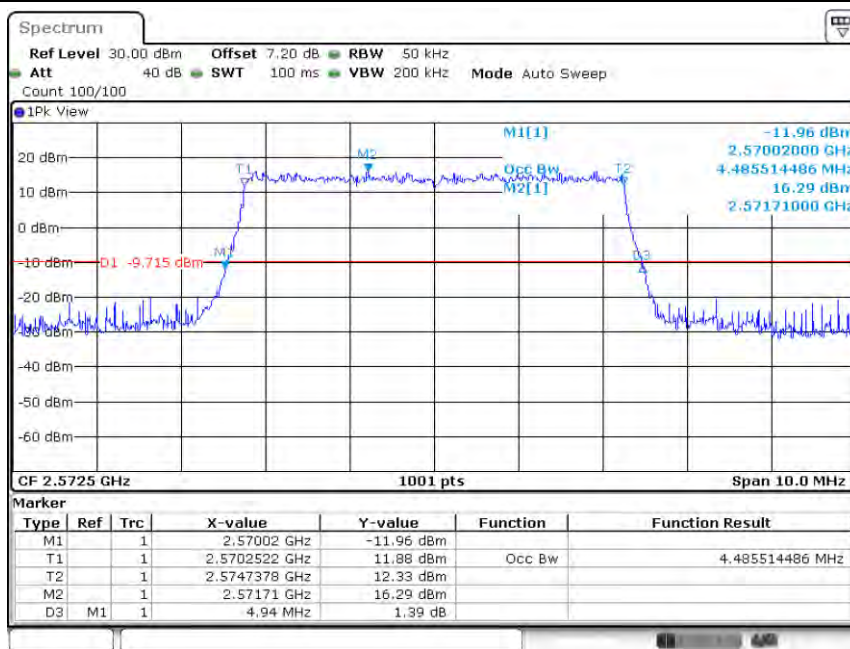


Band38-5MHz-64QAM-38225-25RB#0-4.466



Date: 29 DEC. 2020 09:09:08

Band38-5MHz-16QAM-37775-25RB#0-4.486



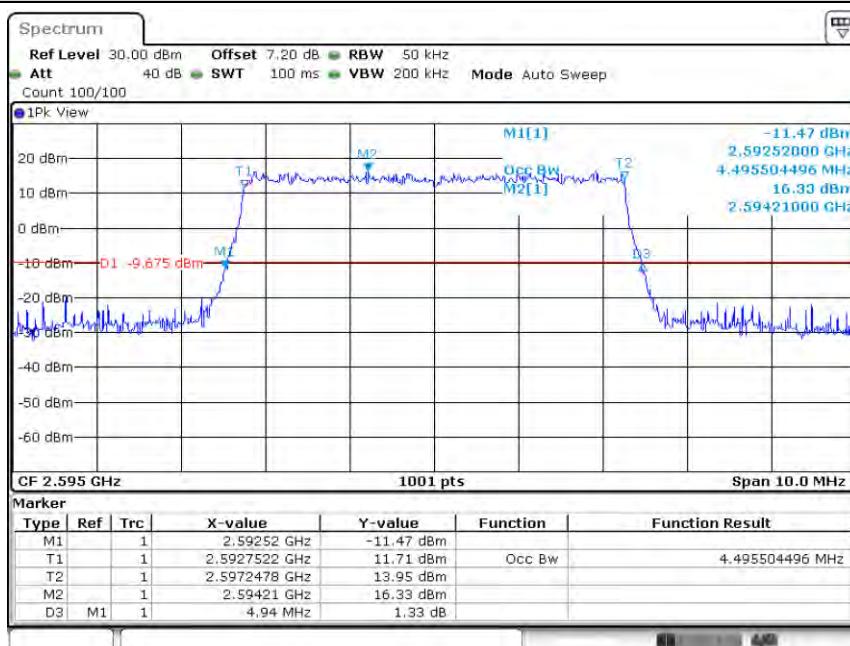
Date: 29 DEC. 2020 08:21:44



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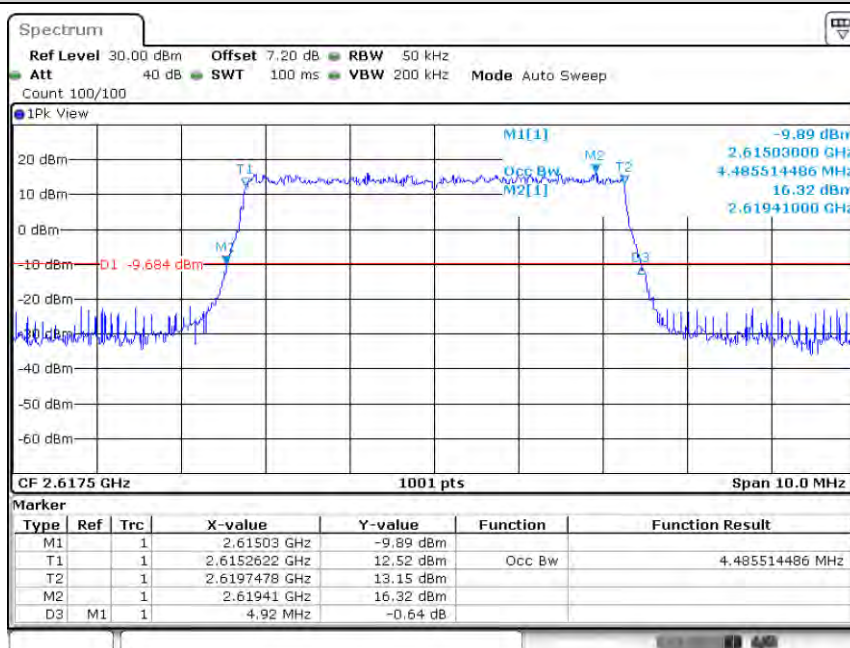
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Band38-5MHz-16QAM-38000-25RB#0-4.496



Date: 29 DEC 2020 08:22:23

Band38-5MHz-16QAM-38225-25RB#0-4.486



Date: 29 DEC 2020 08:23:02



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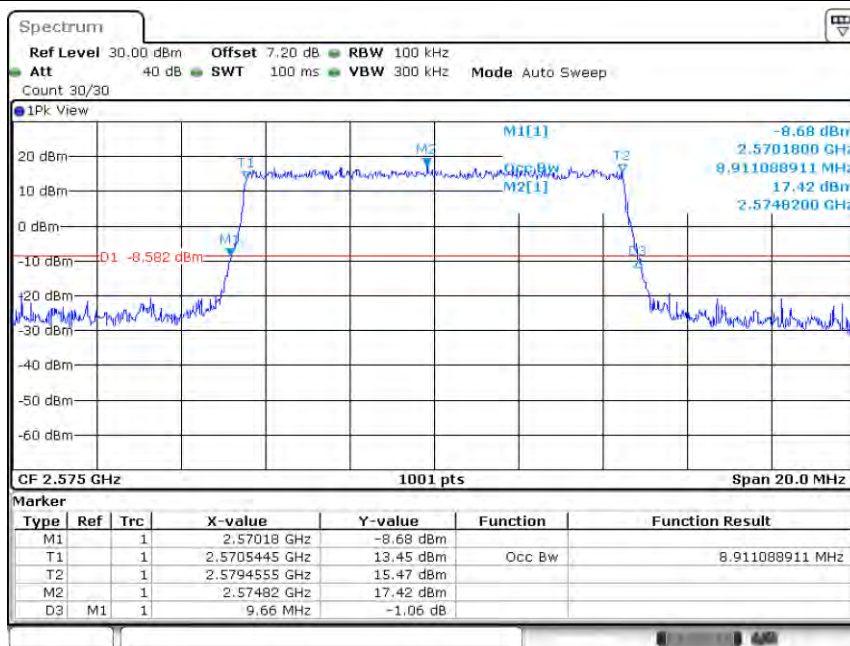
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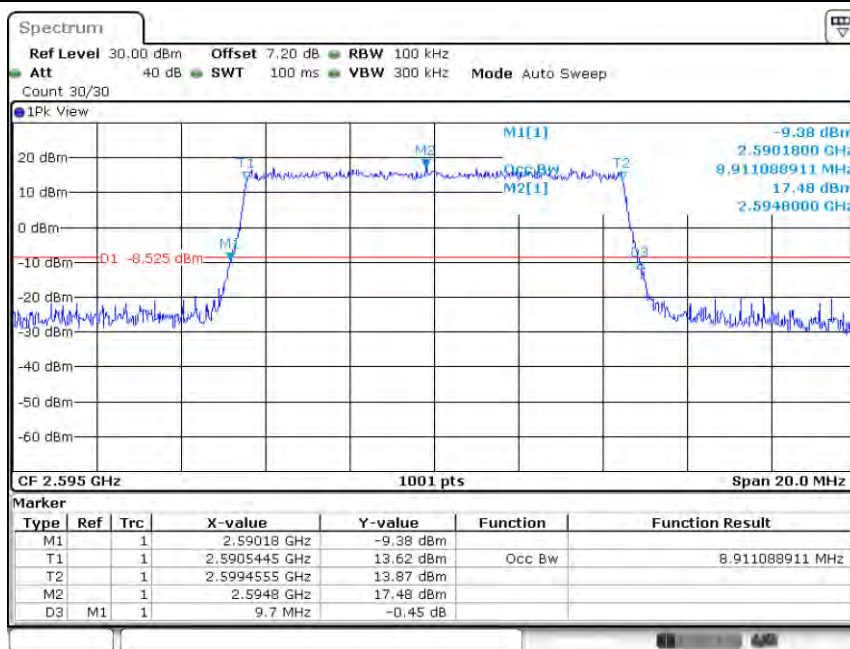


Band38-10MHz-QPSK-37800-50RB#0-8.911



Date: 29 DEC. 2020 08:23:20

Band38-10MHz-QPSK-38000-50RB#0-8.911



Date: 29 DEC. 2020 08:23:45

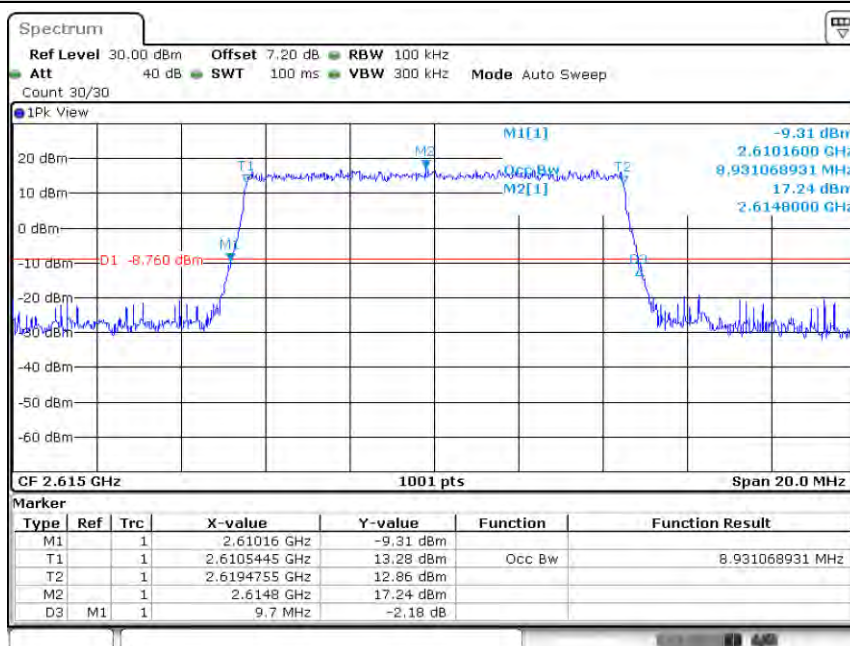


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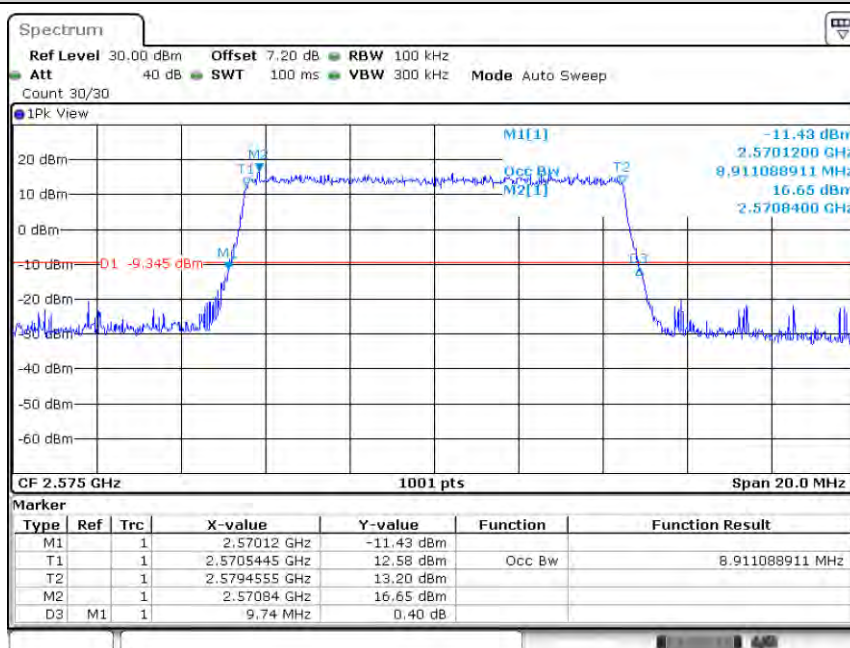


## Band38-10MHz-QPSK-38200-50RB#0-8.931



Date: 29 DEC. 2020 08:24:11

## Band38-10MHz-64QAM-37800-50RB#0-8.911



Date: 29 DEC. 2020 09:09:28

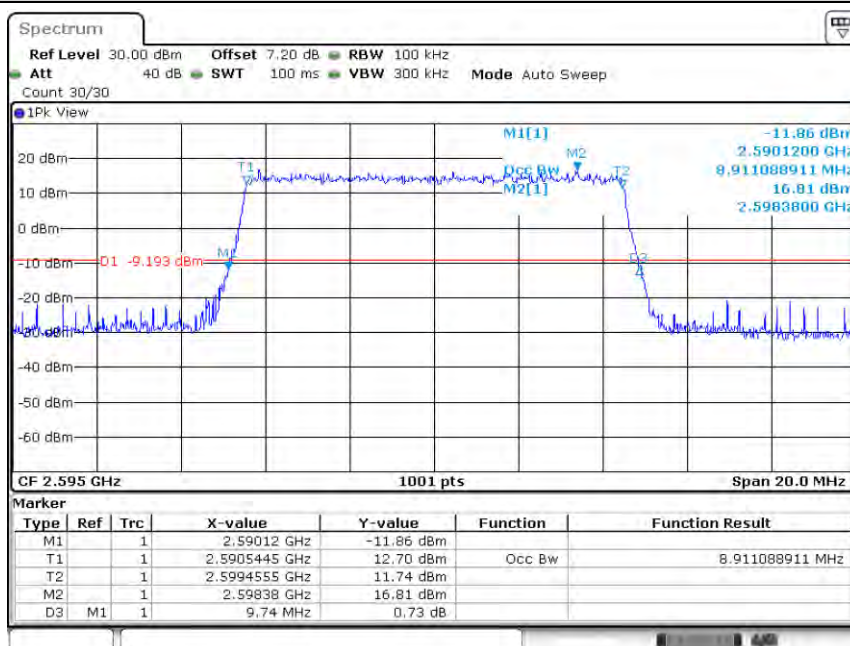


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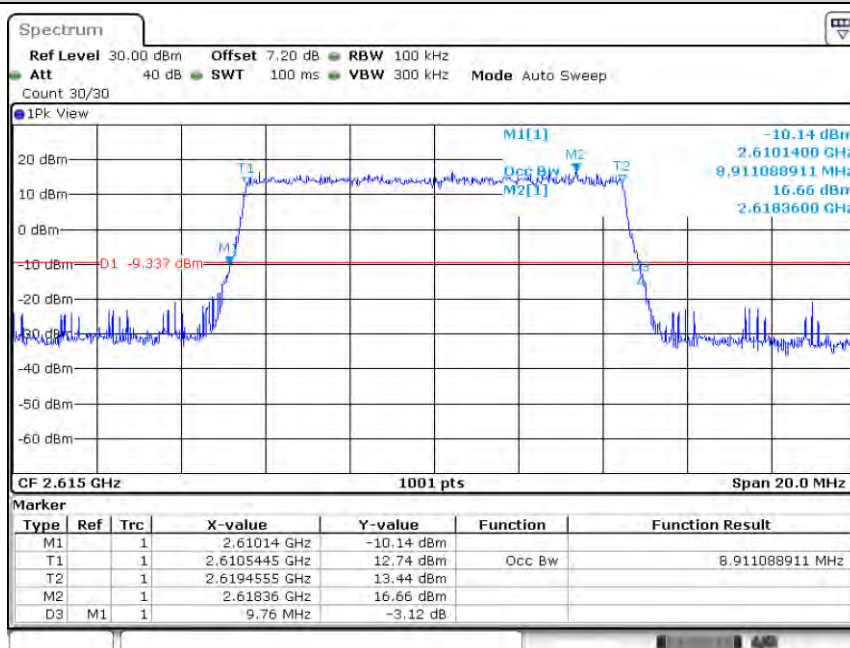
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## Band38-10MHz-64QAM-38000-50RB#0-8.911



Date: 29 DEC. 2020 09:09:41

## Band38-10MHz-64QAM-38200-50RB#0-8.911



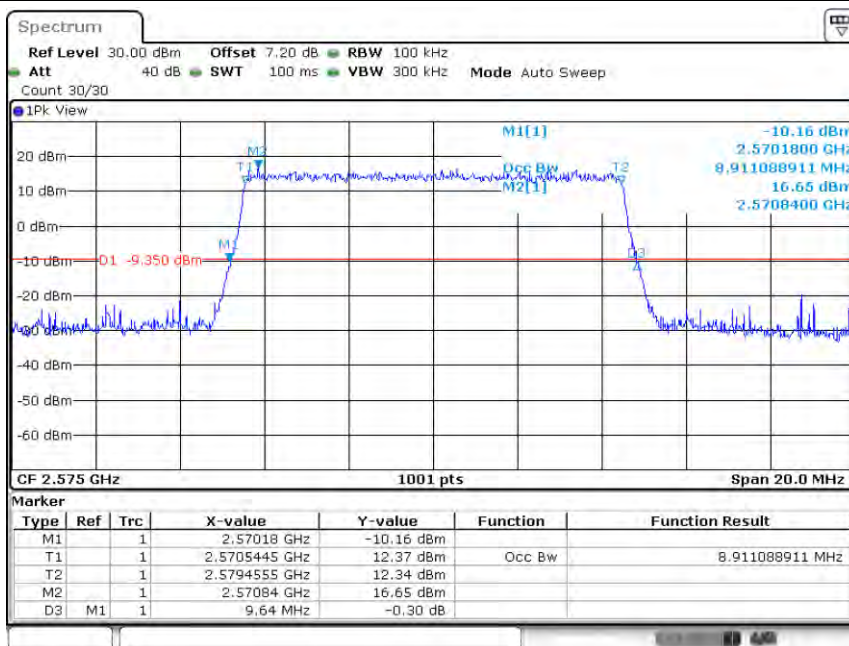
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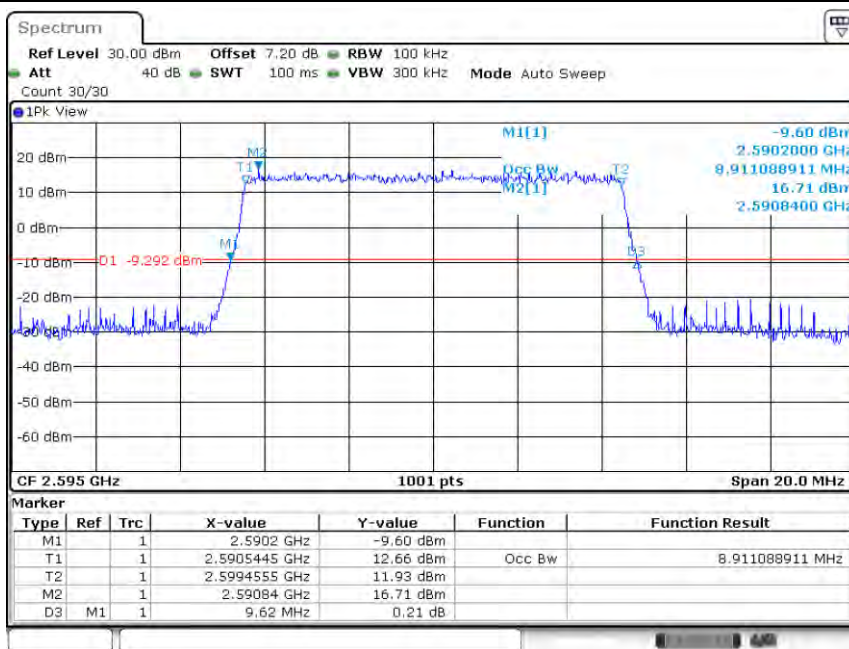


Band38-10MHz-16QAM-37800-50RB#0-8.911



Date: 29 DEC. 2020 08:23:33

Band38-10MHz-16QAM-38000-50RB#0-8.911



Date: 29 DEC. 2020 08:23:58



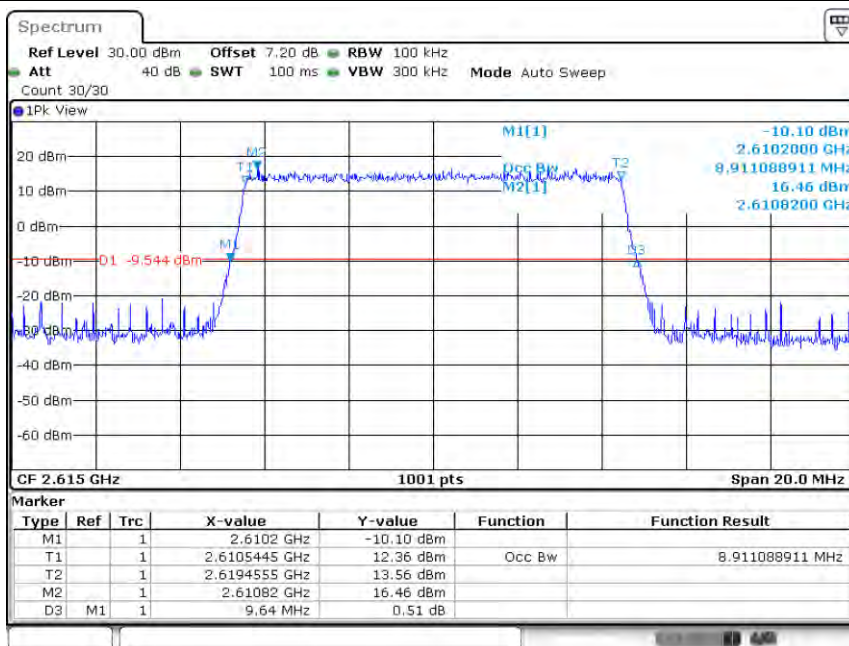
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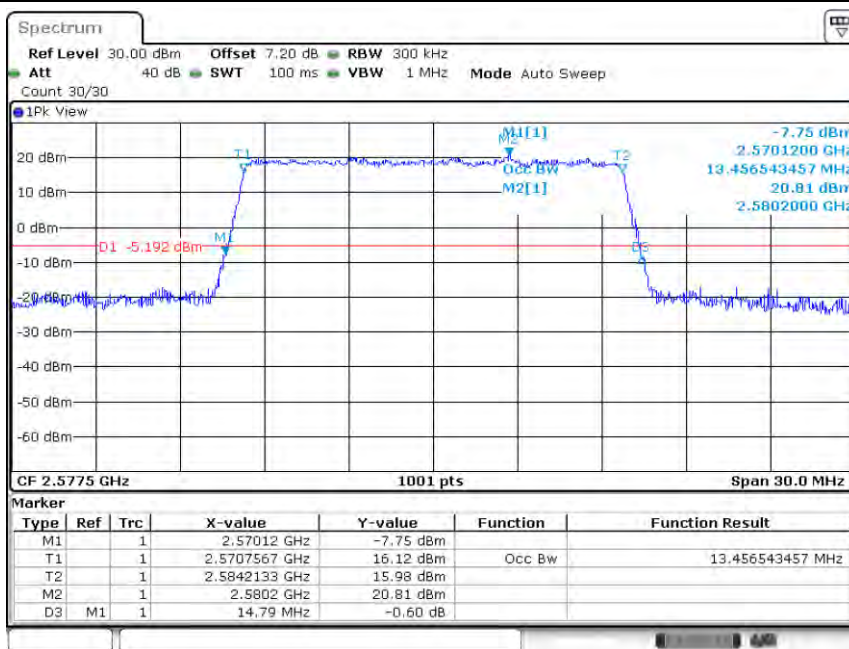


Band38-10MHz-16QAM-38200-50RB#0-8.911



Date: 29 DEC. 2020 08:24:24

Band38-15MHz-QPSK-37825-75RB#0-13.457



Date: 29 DEC. 2020 08:24:41

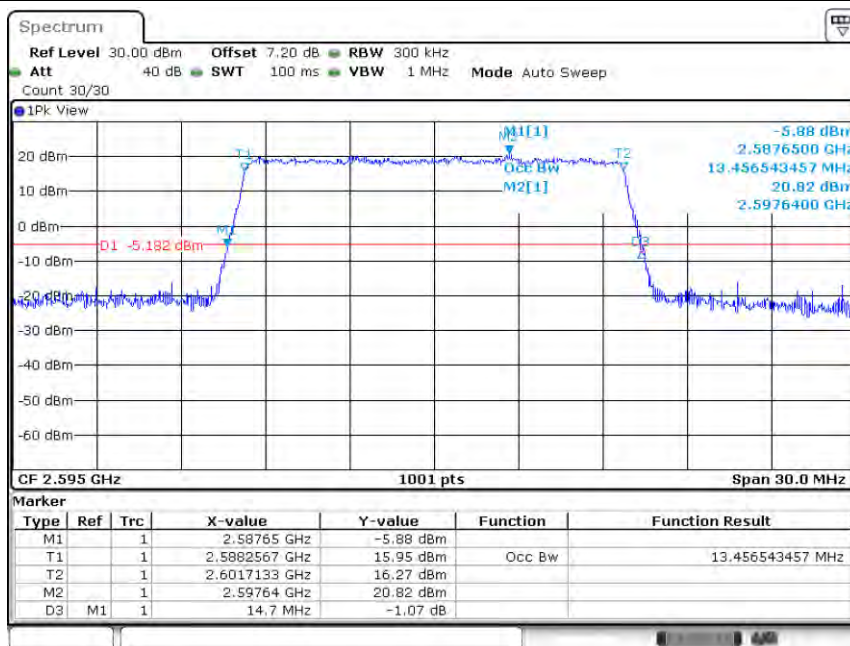


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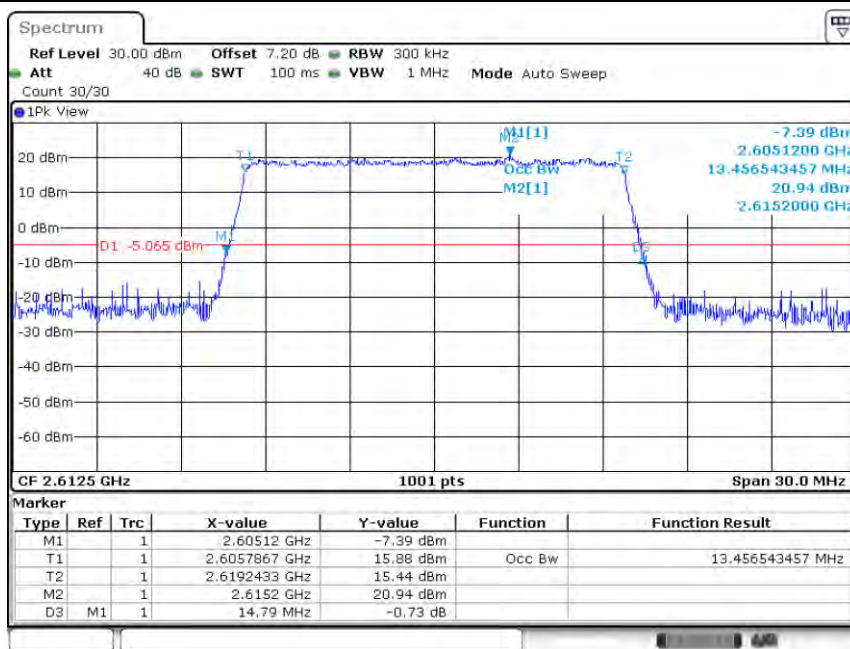


Band38-15MHz-QPSK-38000-75RB#0-13.457



Date: 29 DEC. 2020 08:25:06

Band38-15MHz-QPSK-38175-75RB#0-13.457



Date: 29 DEC. 2020 08:25:32



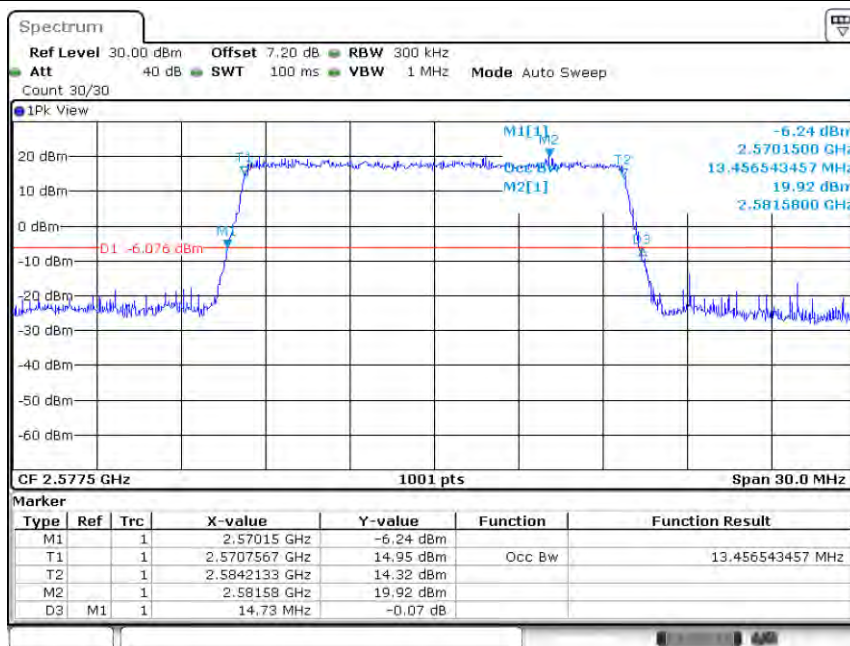
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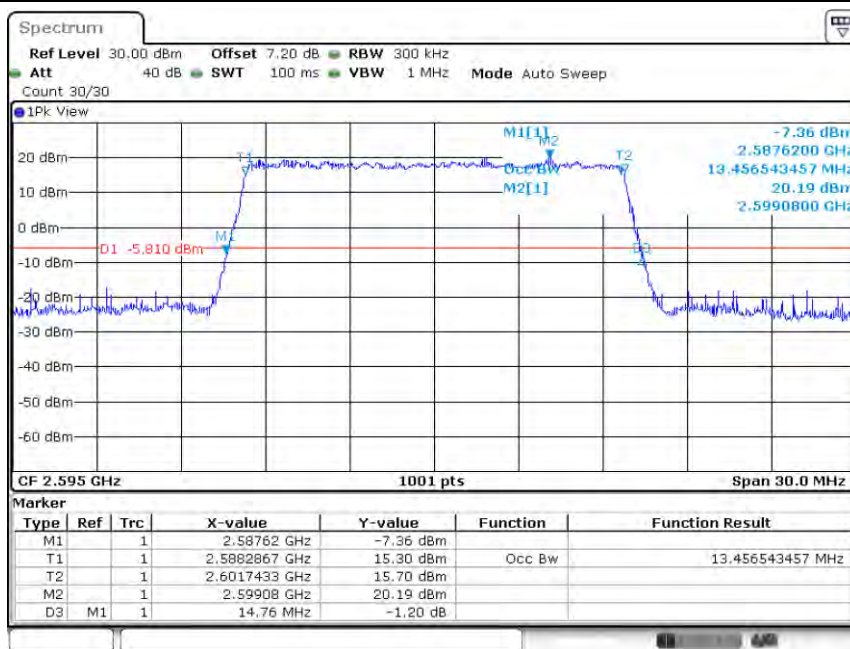


Band38-15MHz-64QAM-37825-75RB#0-13.457



Date: 29 DEC. 2020 09:10:12

Band38-15MHz-64QAM-38000-75RB#0-13.457



Date: 29 DEC. 2020 09:10:25



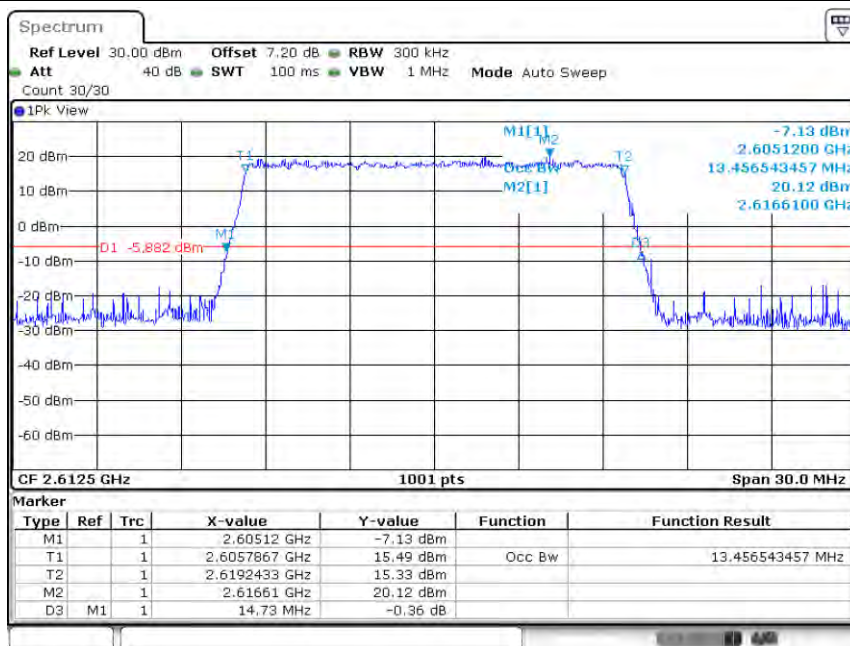
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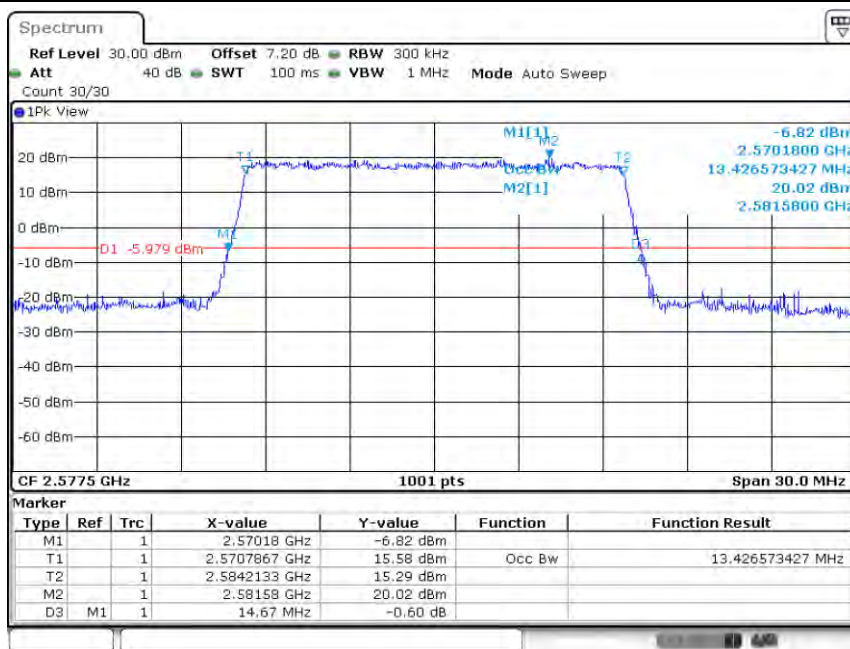


Band38-15MHz-64QAM-38175-75RB#0-13.457



Date: 29 DEC. 2020 09:10:38

Band38-15MHz-16QAM-37825-75RB#0-13.427



Date: 29 DEC. 2020 08:24:54

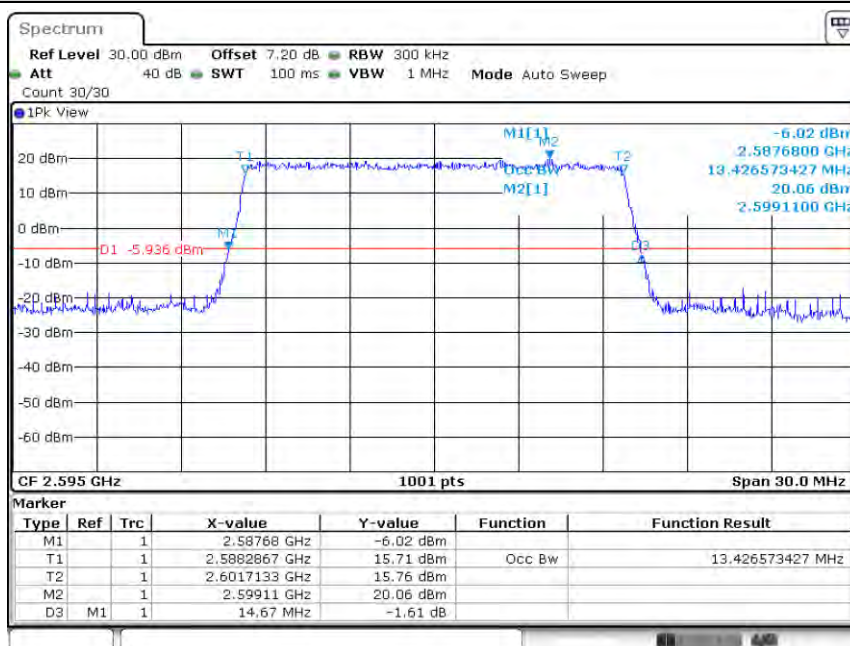


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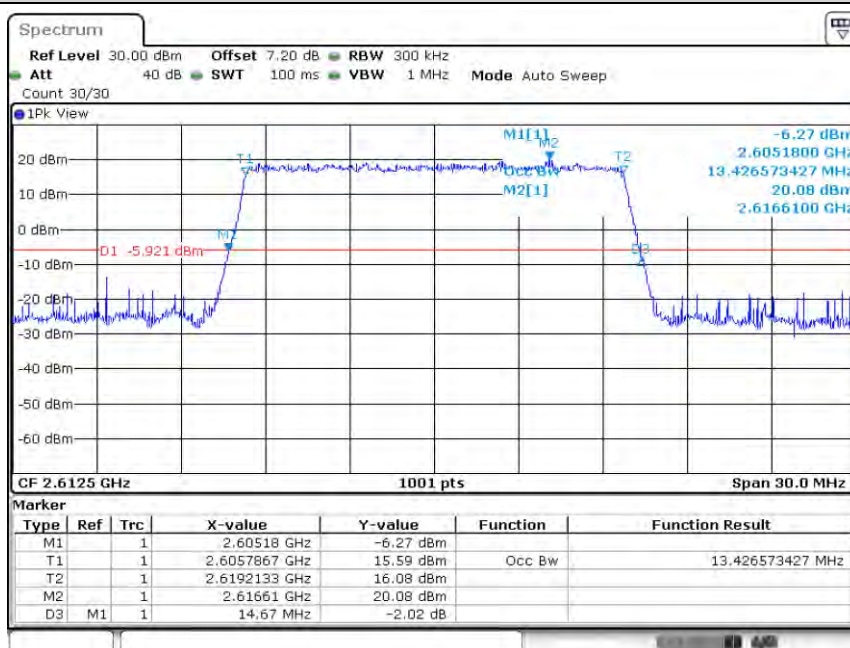


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Date: 29 DEC. 2020 08:25:19

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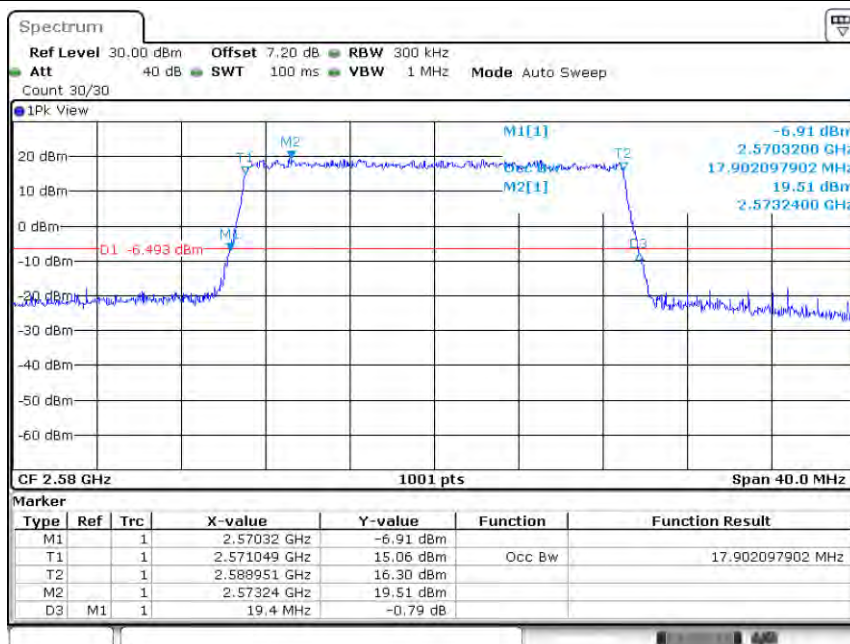
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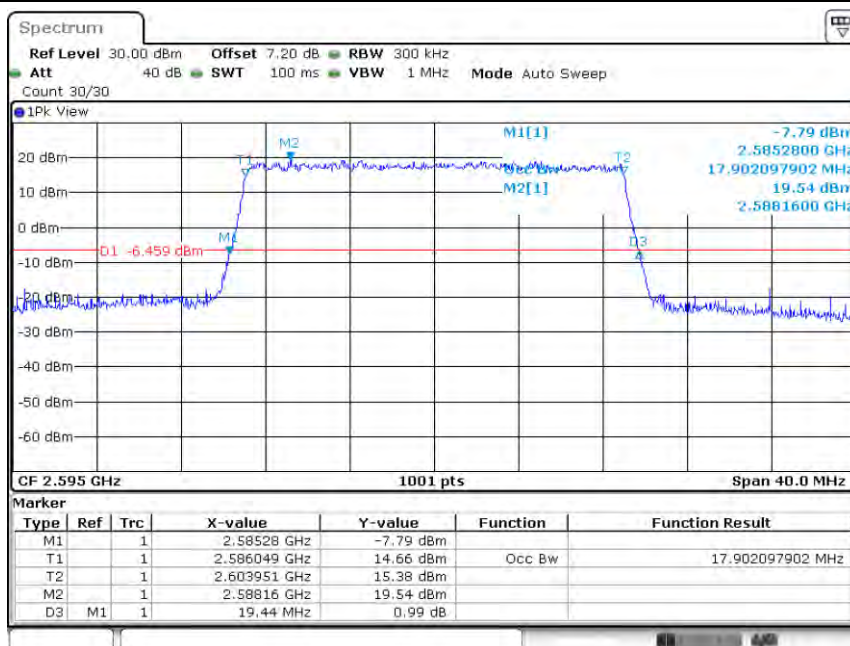


Band38-20MHz-QPSK-37850-100RB#0-17.902



Date: 29 DEC. 2020 08:26:02

Band38-20MHz-QPSK-38000-100RB#0-17.902



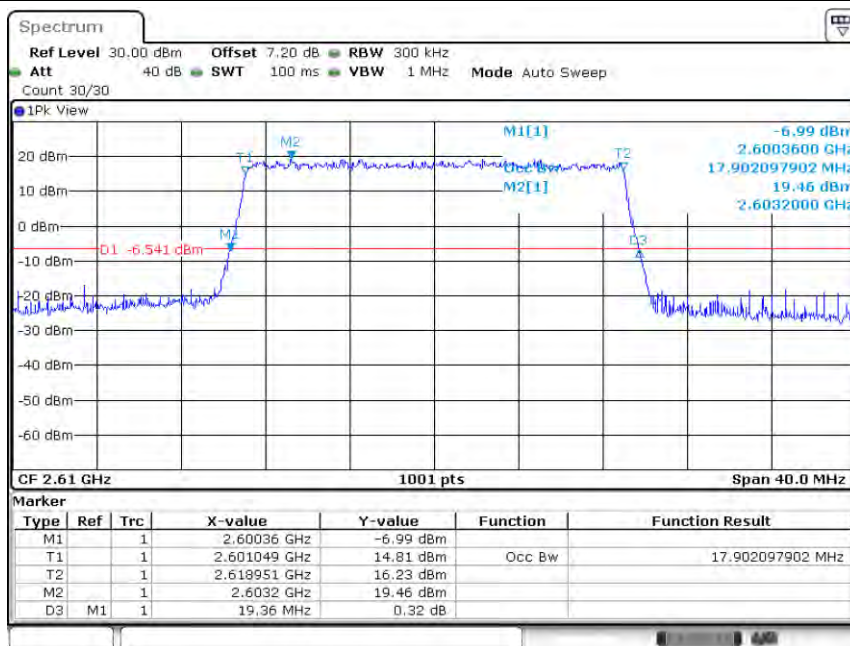
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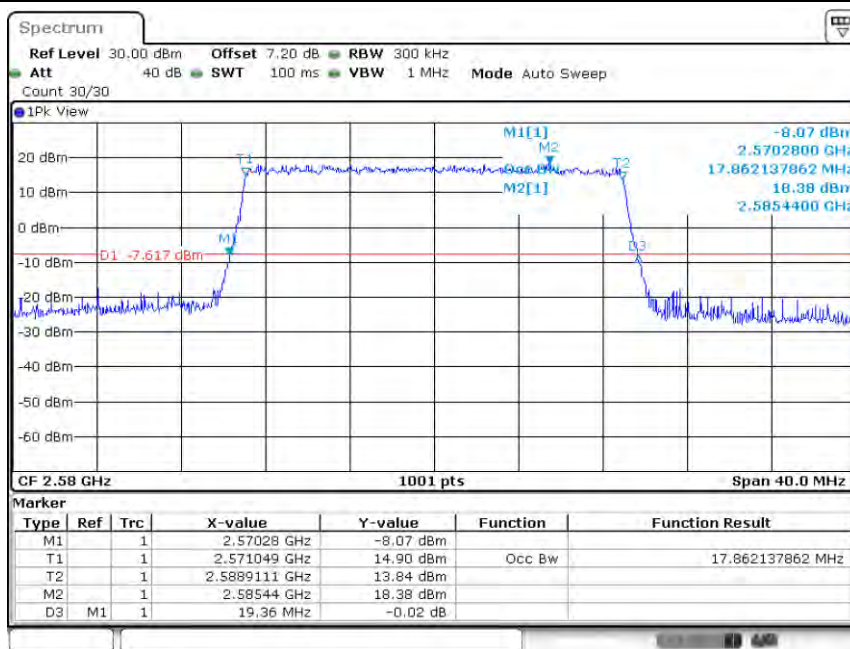


Band38-20MHz-QPSK-38150-100RB#0-17.902



Date: 29 DEC. 2020 08:26:53

Band38-20MHz-64QAM-37850-100RB#0-17.862



Date: 29 DEC. 2020 09:10:56

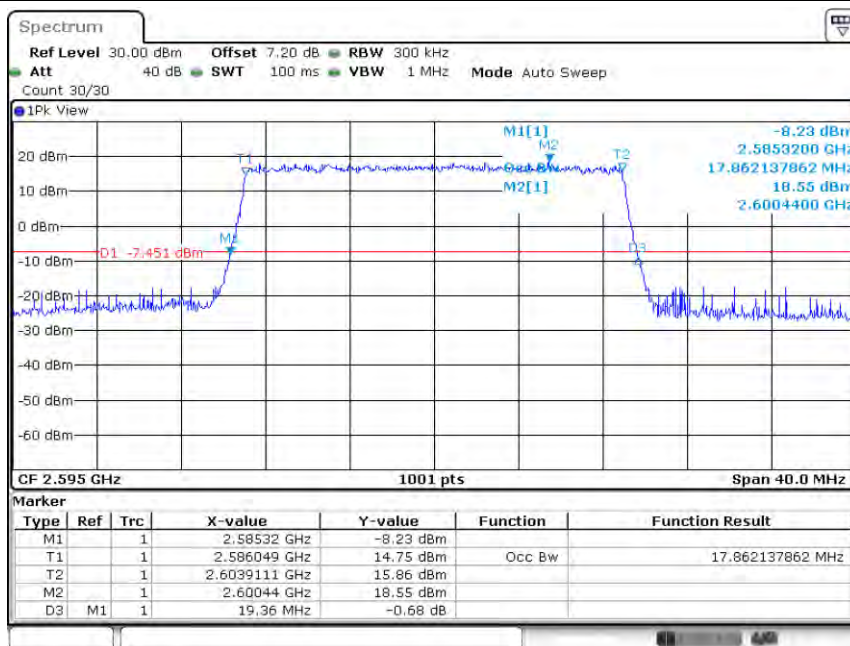


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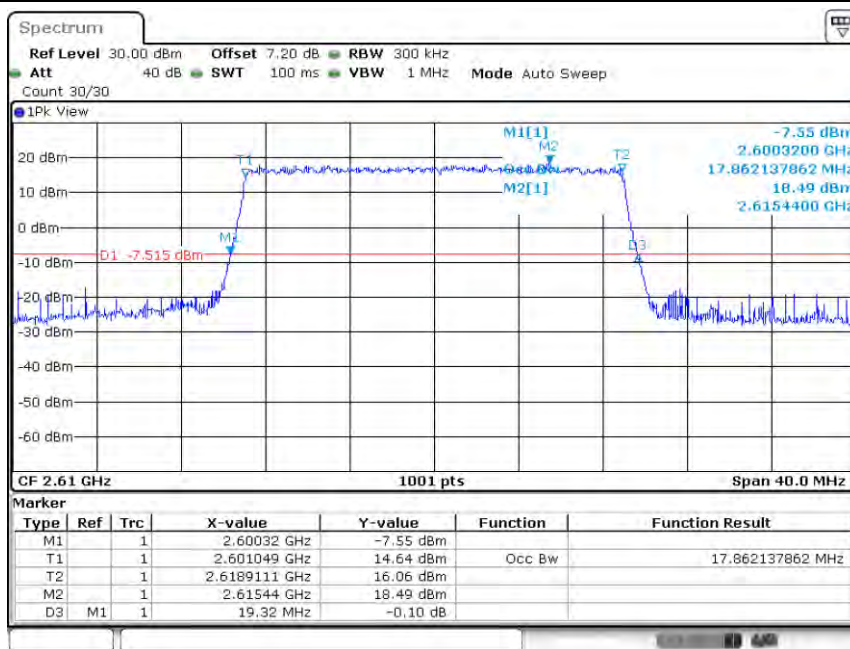


Band38-20MHz-64QAM-38000-100RB#0-17.862



Date: 29 DEC. 2020 09:11:09

Band38-20MHz-64QAM-38150-100RB#0-17.862



Date: 29 DEC. 2020 09:11:22



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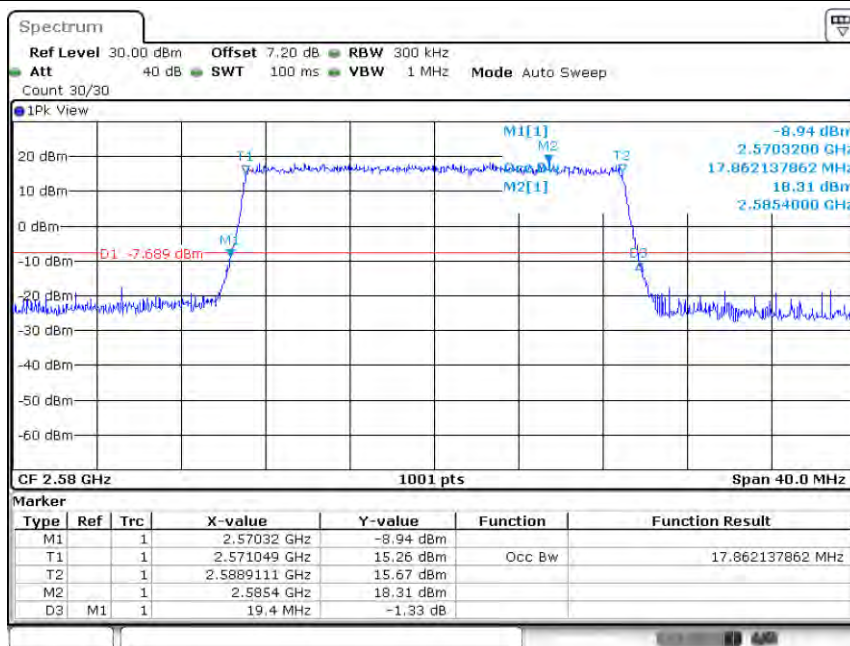
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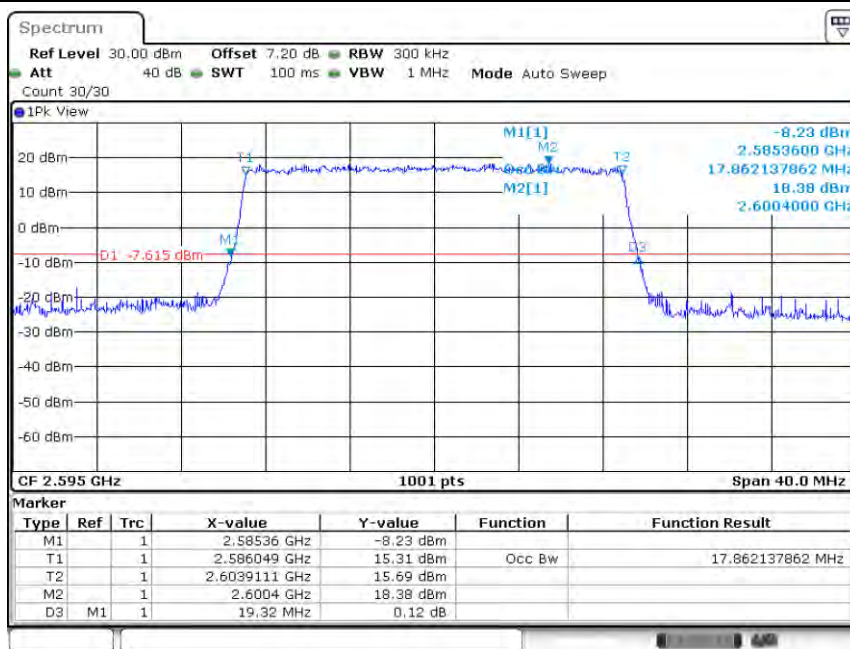


Band38-20MHz-16QAM-37850-100RB#0-17.862



Date: 29 DEC. 2020 08:26:15

Band38-20MHz-16QAM-38000-100RB#0-17.862



Date: 29 DEC. 2020 08:26:40



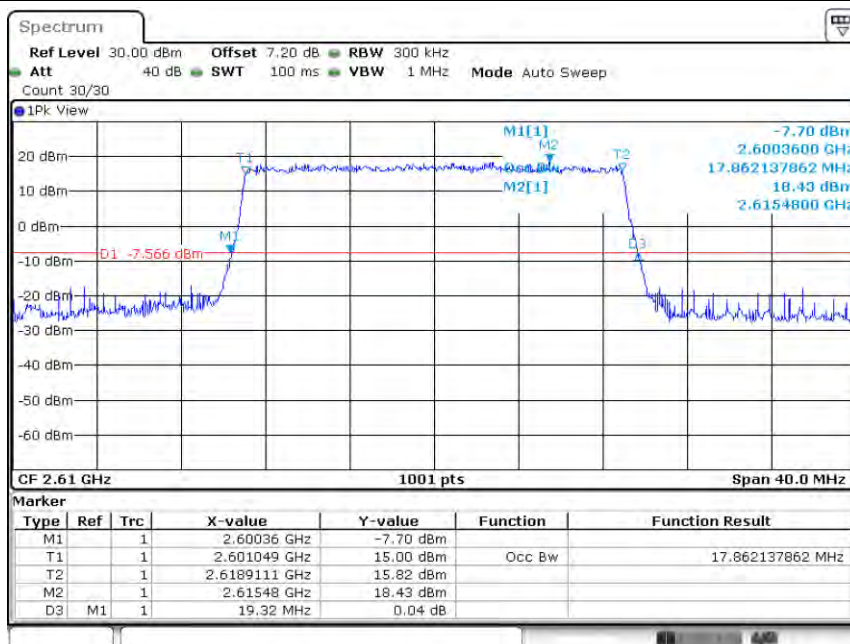
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Band38-20MHz-16QAM-38150-100RB#0-17.862



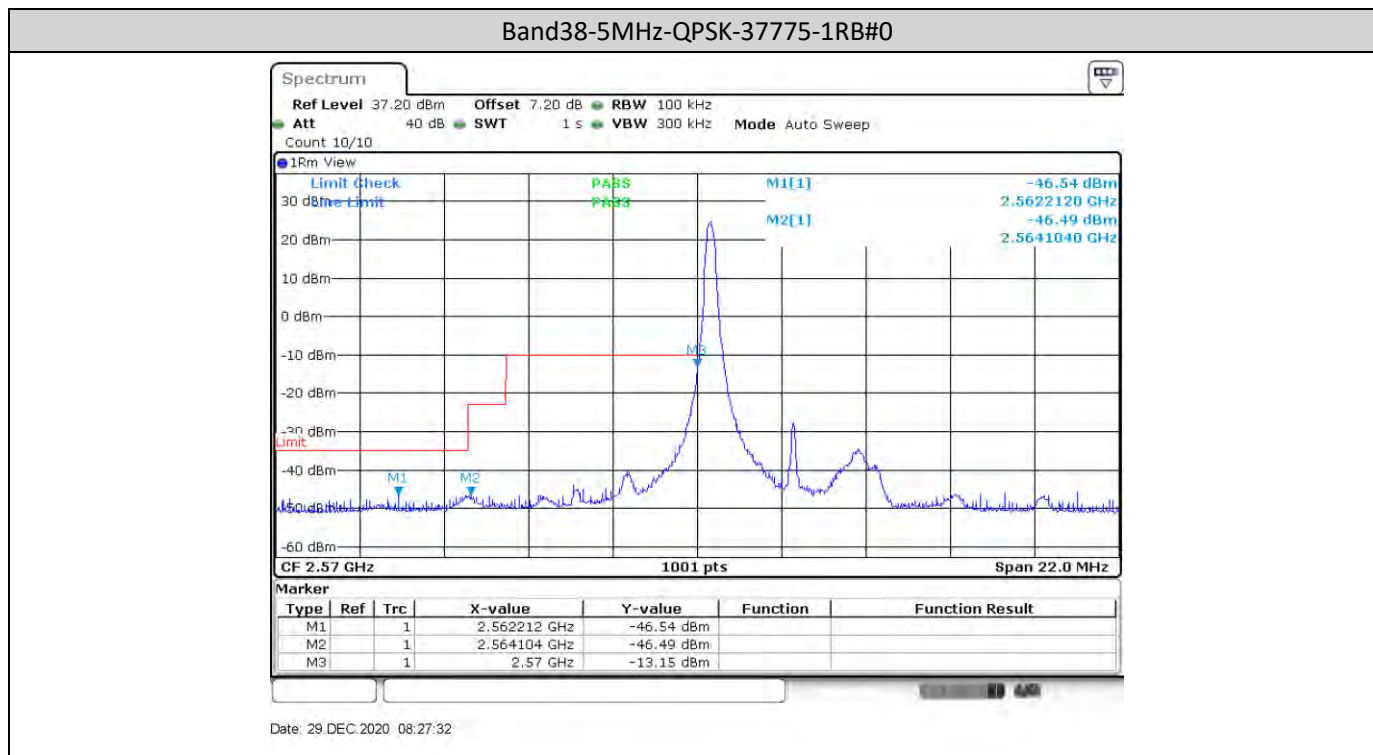
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## 5. Band Edge Compliance

### 5.1. Test Plots

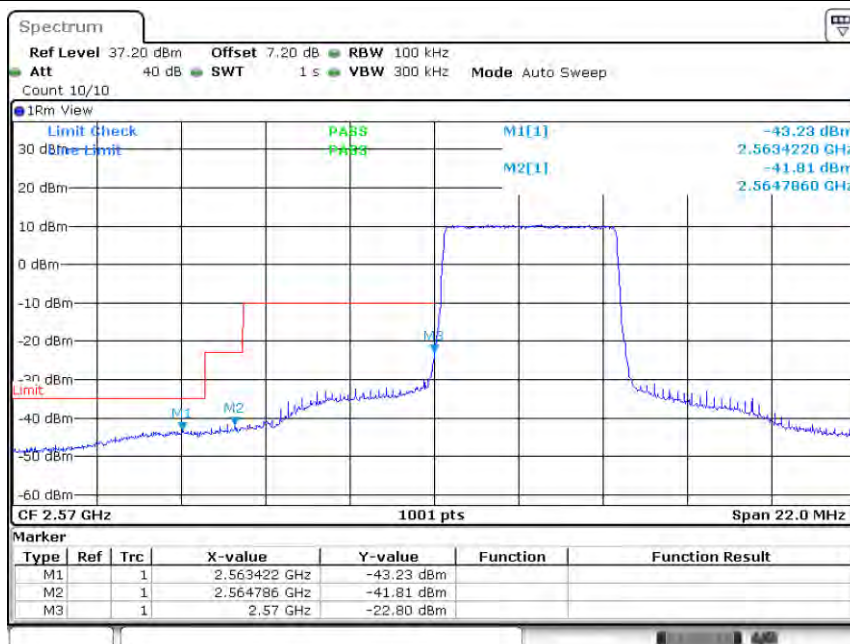


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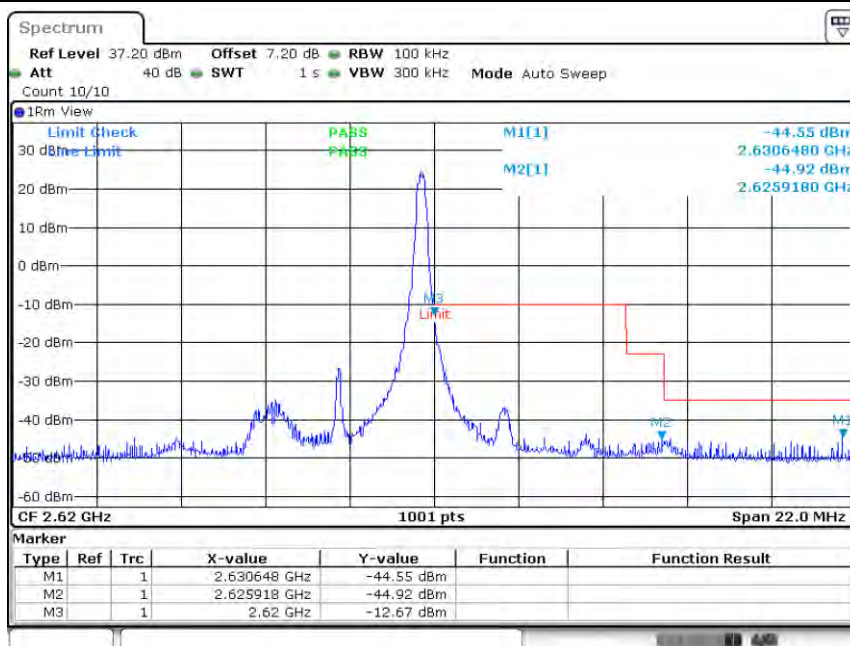


Band38-5MHz-QPSK-37775-25RB#0



Date: 29 DEC. 2020 08:29:07

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



Date: 29 DEC. 2020 08:28:20



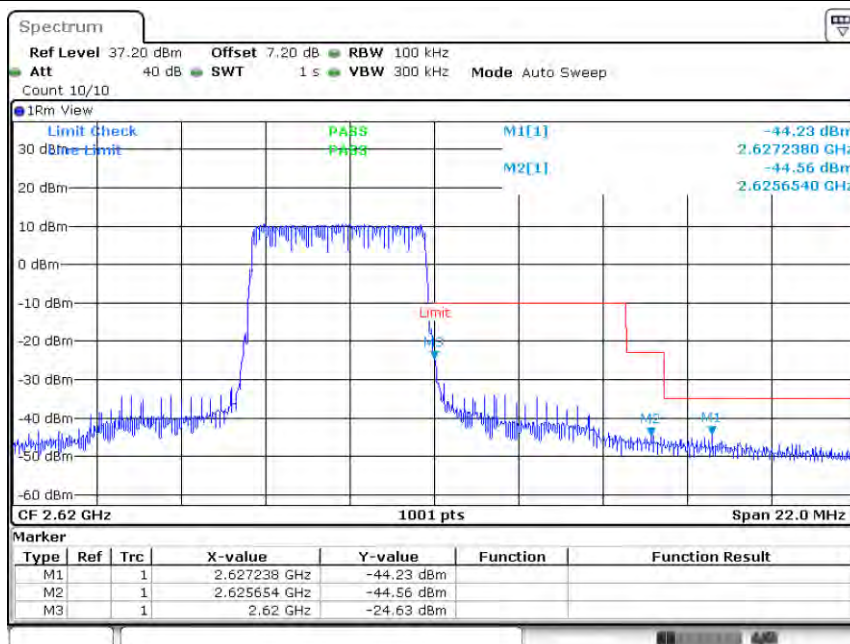
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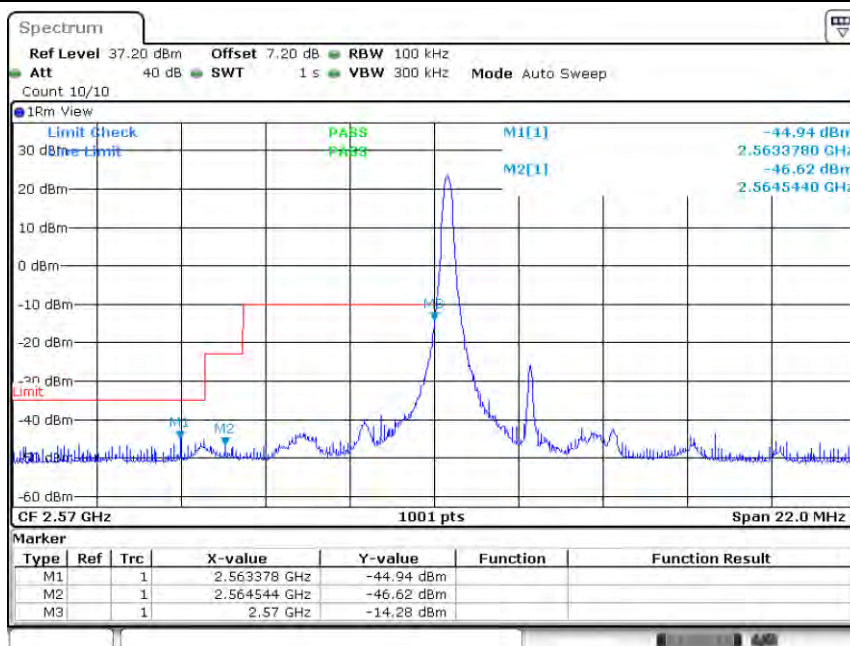
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## Band38-5MHz-QPSK-38225-25RB#0



Date: 29 DEC. 2020 08:29:51

## Band38-5MHz-64QAM-37775-1RB#0



Date: 29 DEC. 2020 09:11:49



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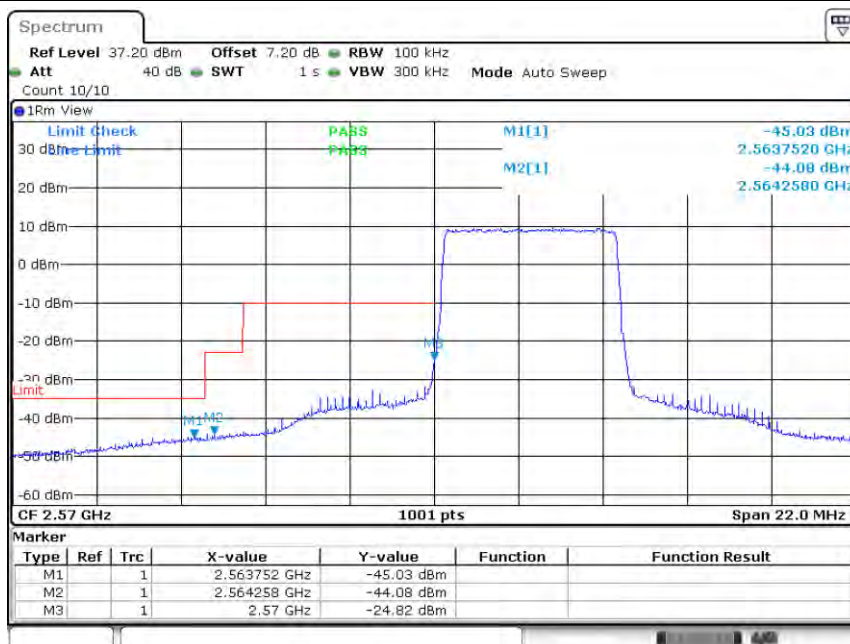
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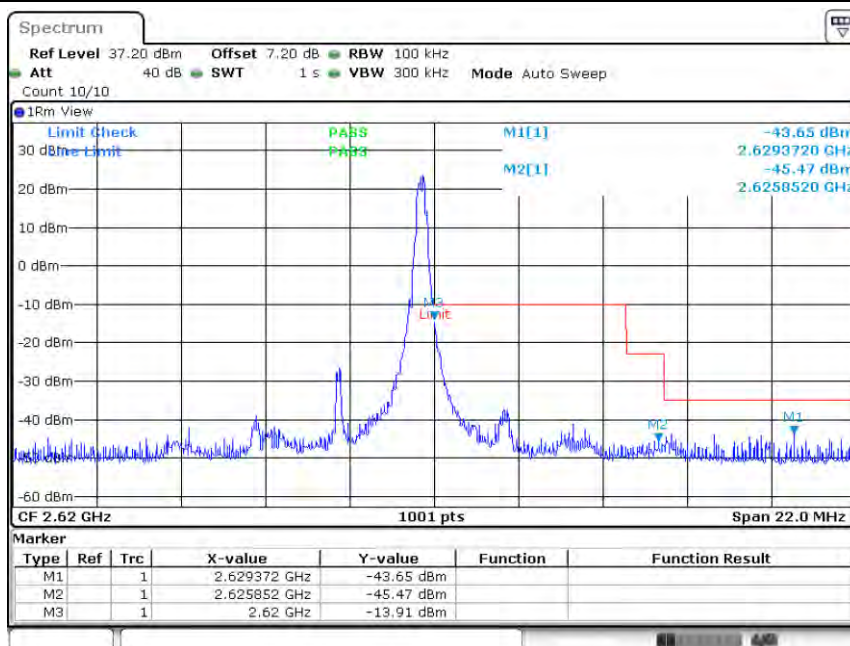


Band38-5MHz-64QAM-37775-25RB#0



Date: 29 DEC. 2020 09:12:41

Band38-5MHz-64QAM-38225-1RB#24



Date: 29 DEC. 2020 09:12:15



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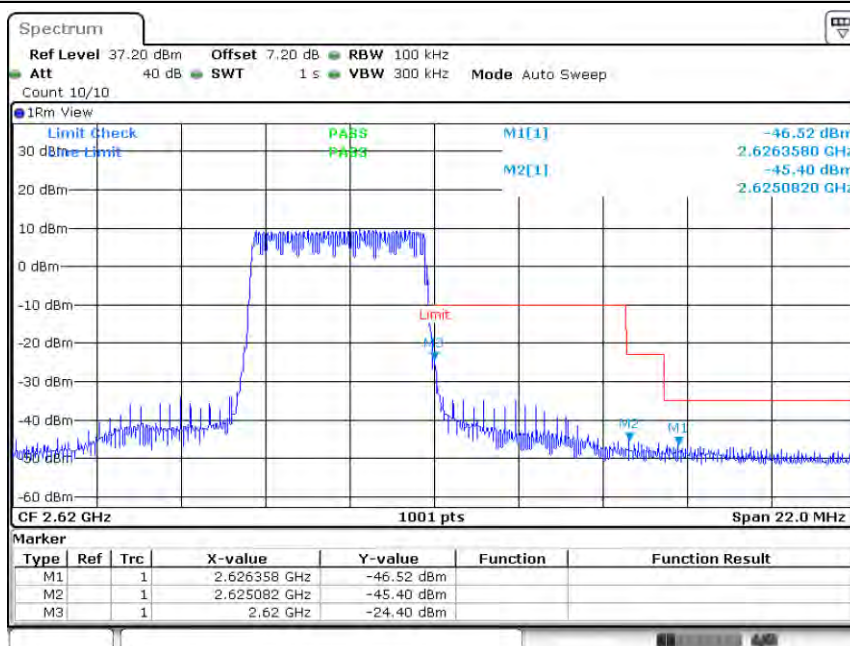
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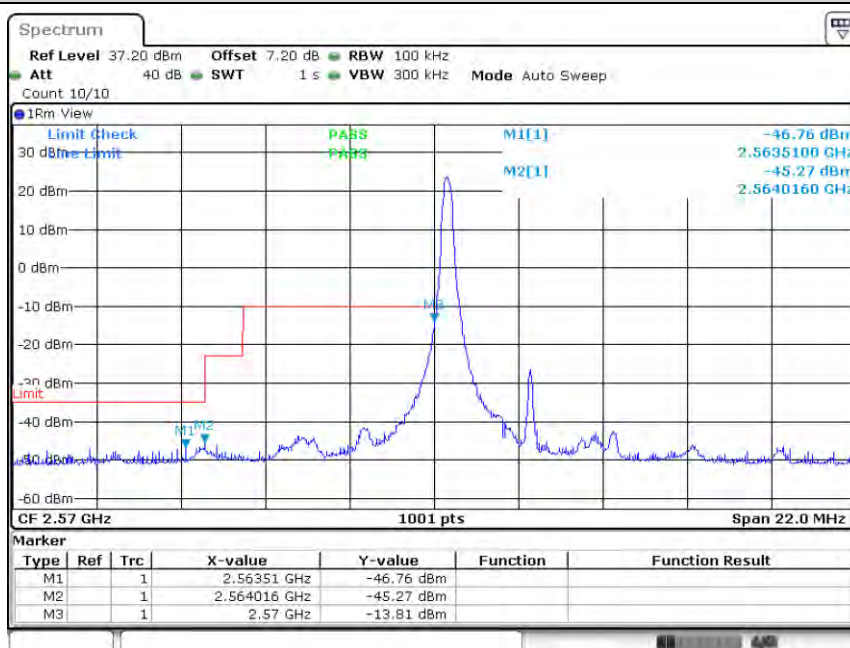


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Date: 29 DEC. 2020 09:13:03

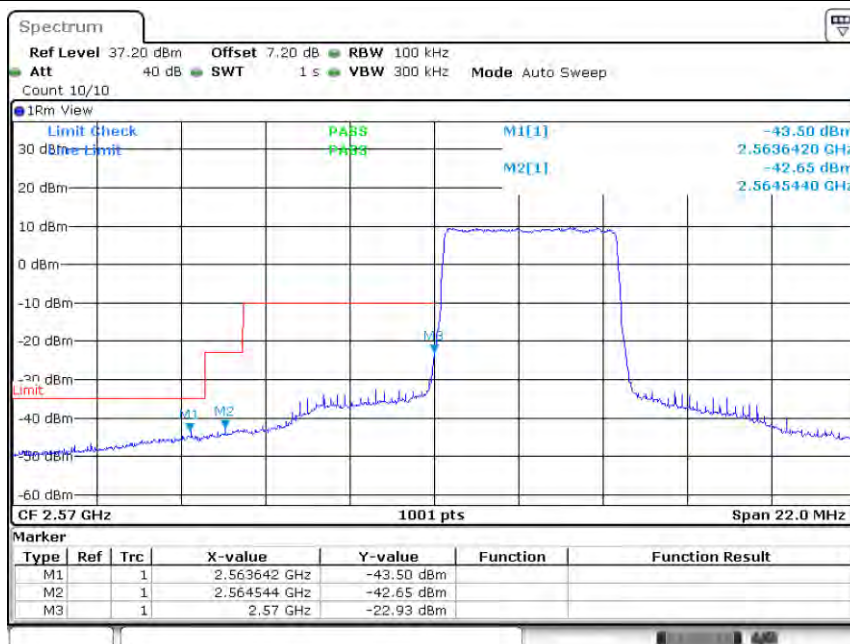
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Date: 29 DEC. 2020 08:27:54

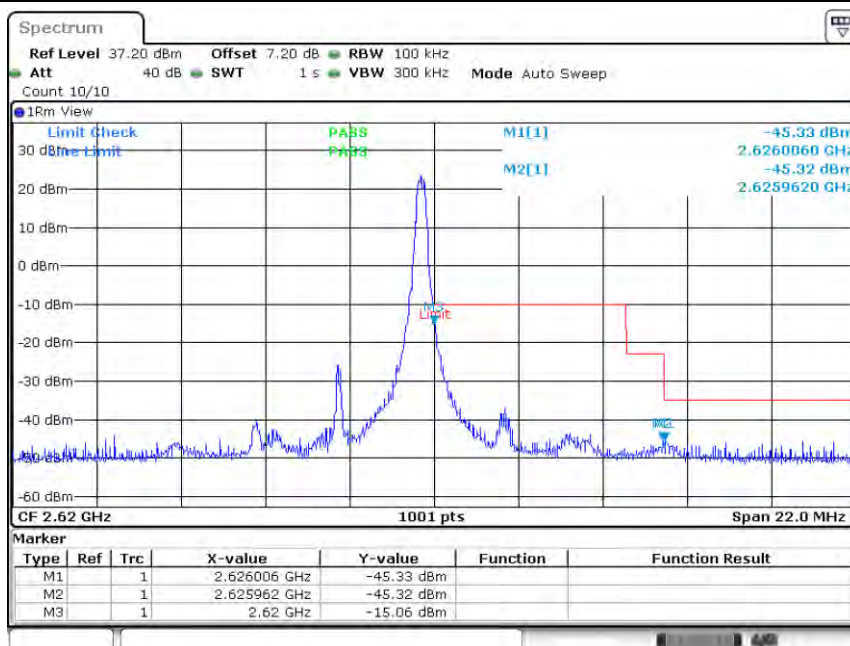


Band38-5MHz-16QAM-37775-25RB#0



Date: 29 DEC. 2020 08:29:29

Band38-5MHz-16QAM-38225-1RB#24



Date: 29 DEC. 2020 08:28:41



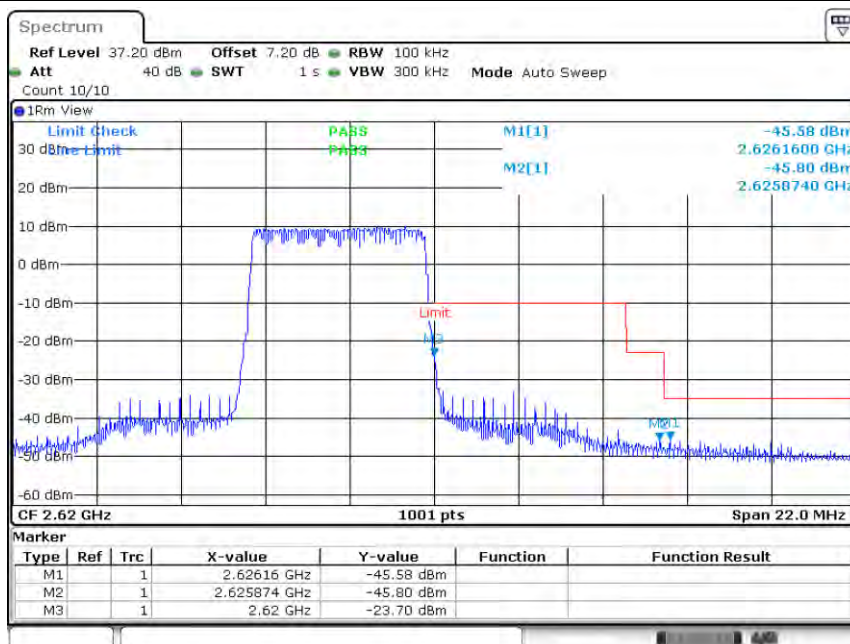
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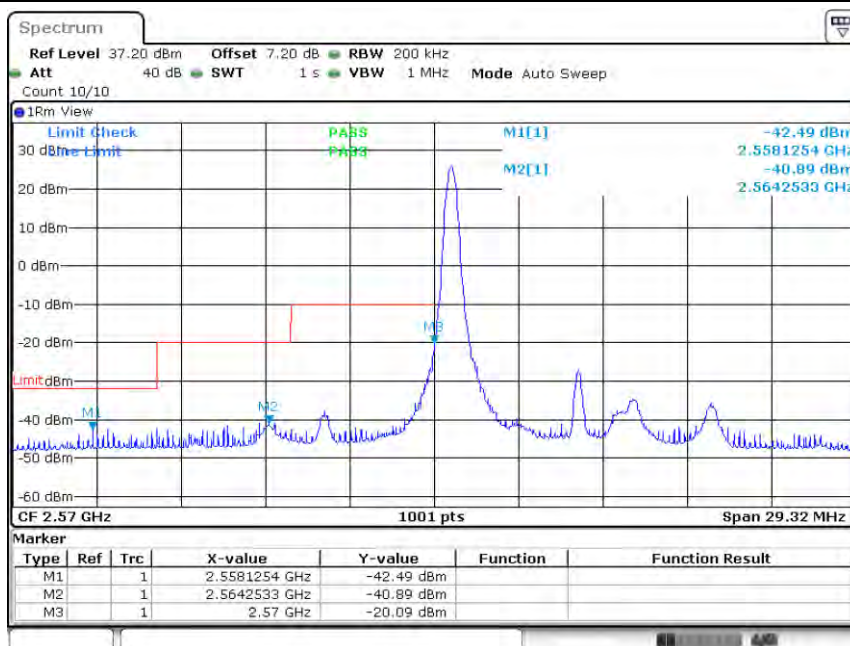


## Band38-5MHz-16QAM-38225-25RB#0



Date: 29 DEC. 2020 08:30:12

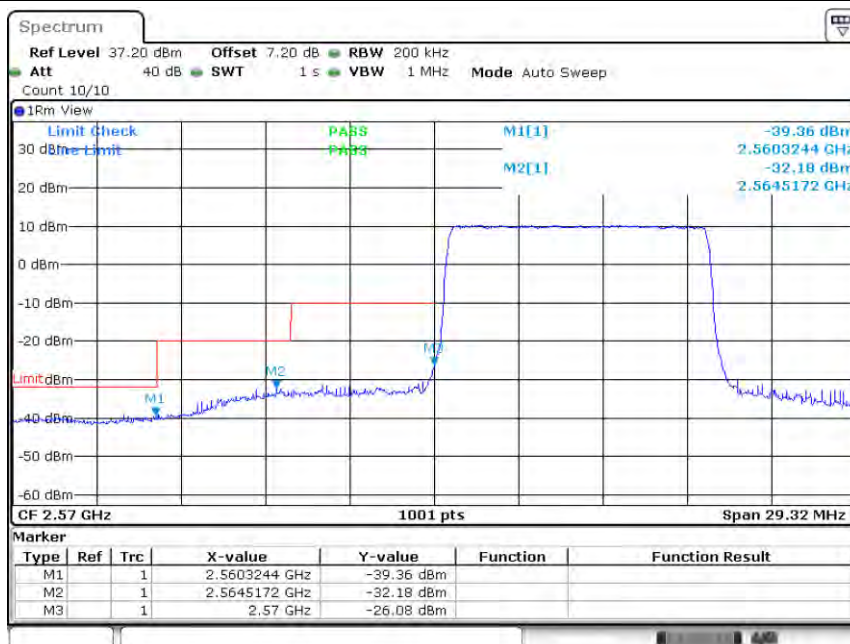
## Band38-10MHz-QPSK-37800-1RB#0



Date: 29 DEC. 2020 08:30:39

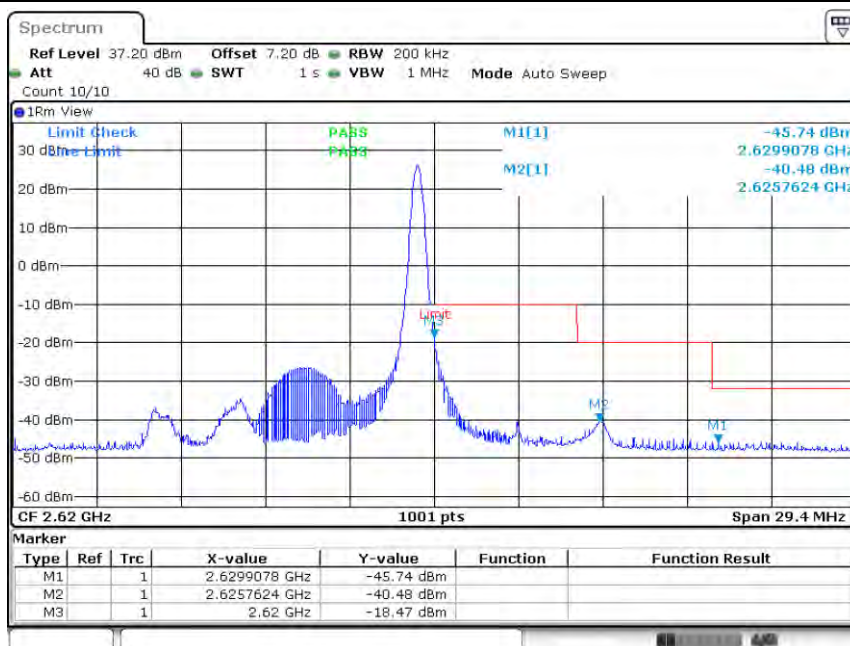


## Band38-10MHz-QPSK-37800-50RB#0



Date: 29 DEC. 2020 08:32:17

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

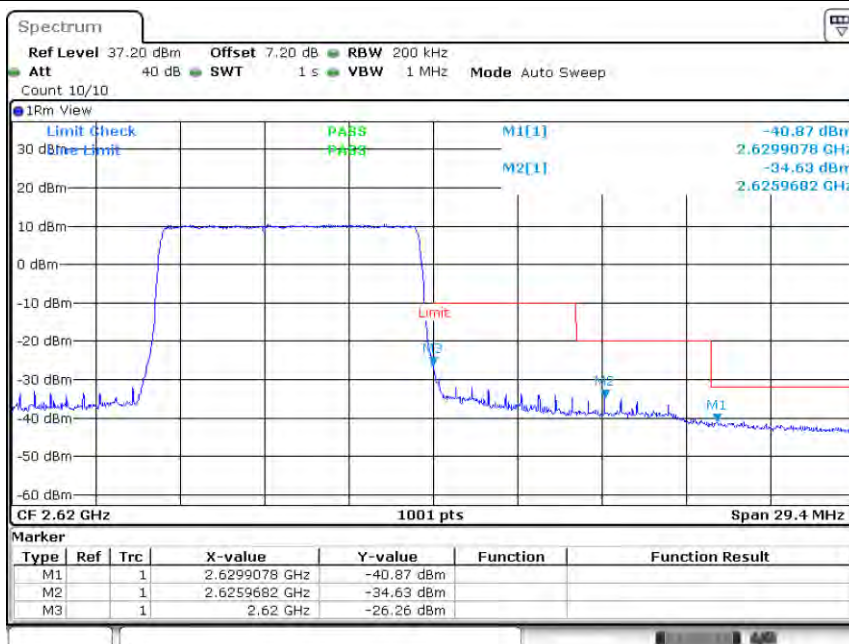


Date: 29 DEC. 2020 08:31:30



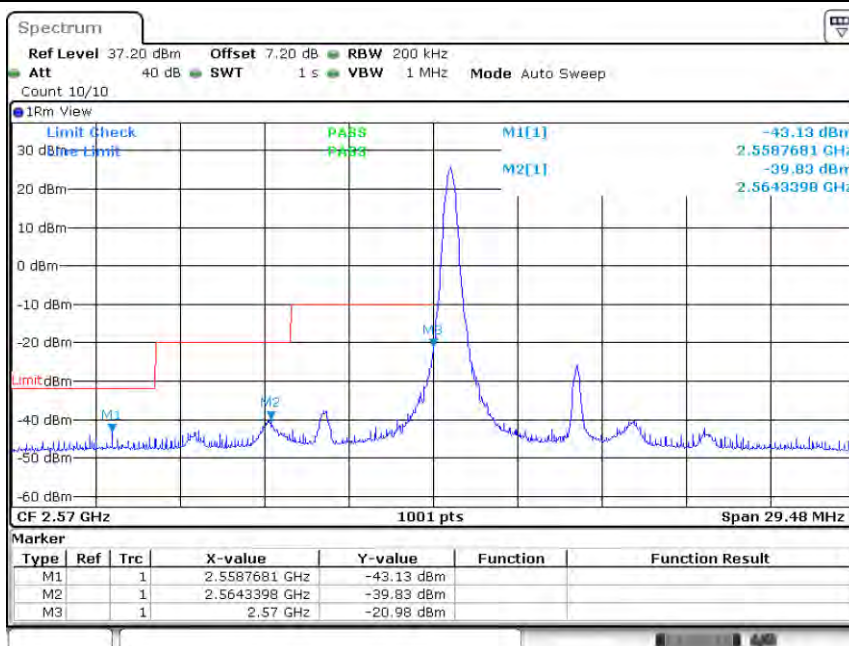


## Band38-10MHz-QPSK-38200-50RB#0



Date: 29 DEC. 2020 08:33:01

## Band38-10MHz-64QAM-37800-1RB#0



Date: 29 DEC. 2020 09:13:30



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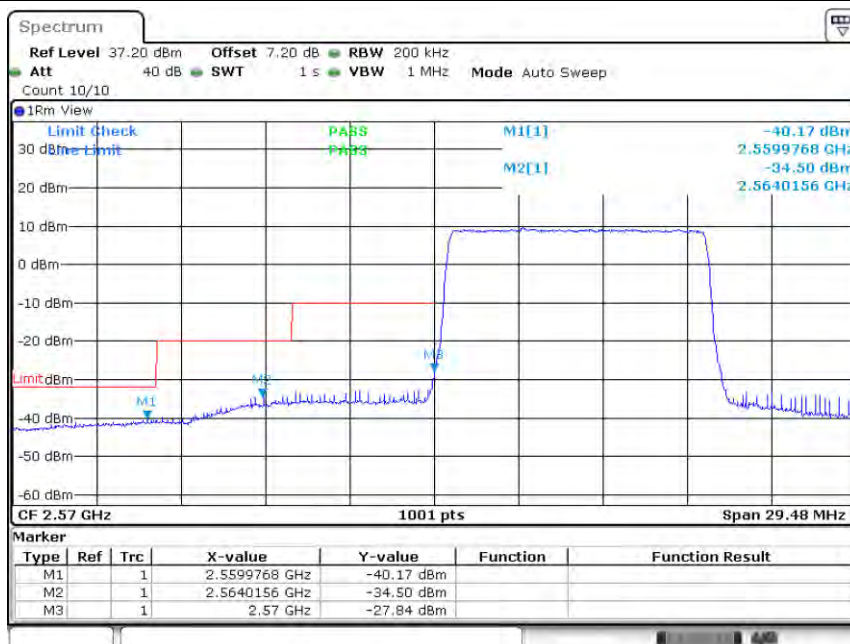
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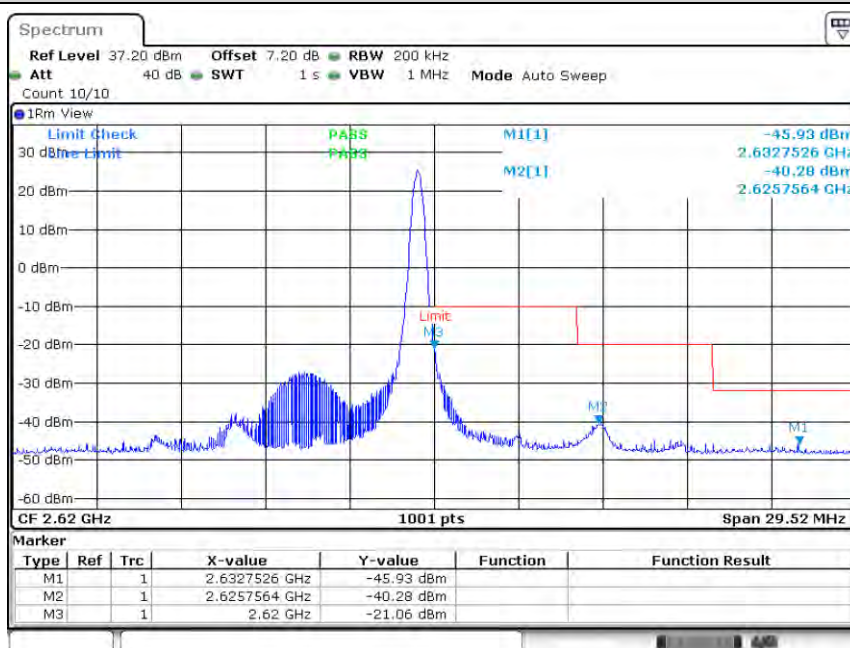


Band38-10MHz-64QAM-37800-50RB#0



Date: 29 DEC. 2020 09:14:22

Band38-10MHz-64QAM-38200-1RB#49



Date: 29 DEC. 2020 09:13:56



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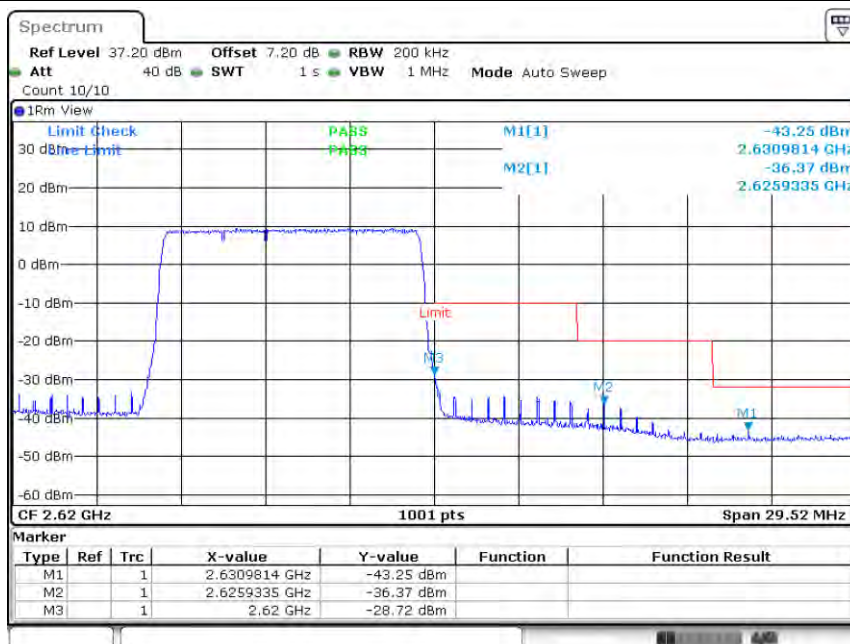
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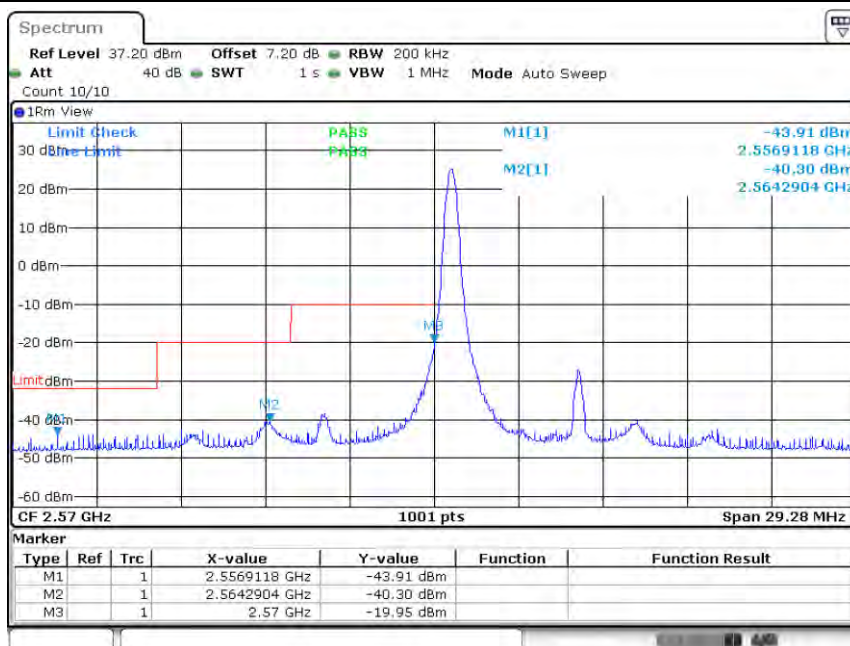


Band38-10MHz-64QAM-38200-50RB#0



Date: 29 DEC. 2020 09:14:44

Band38-10MHz-16QAM-37800-1RB#0



Date: 29 DEC. 2020 08:31:00



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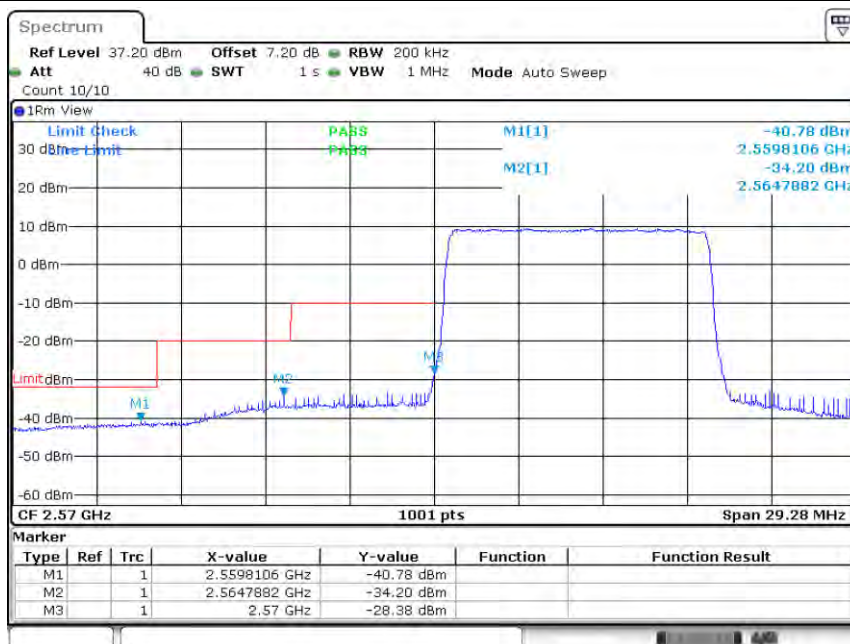
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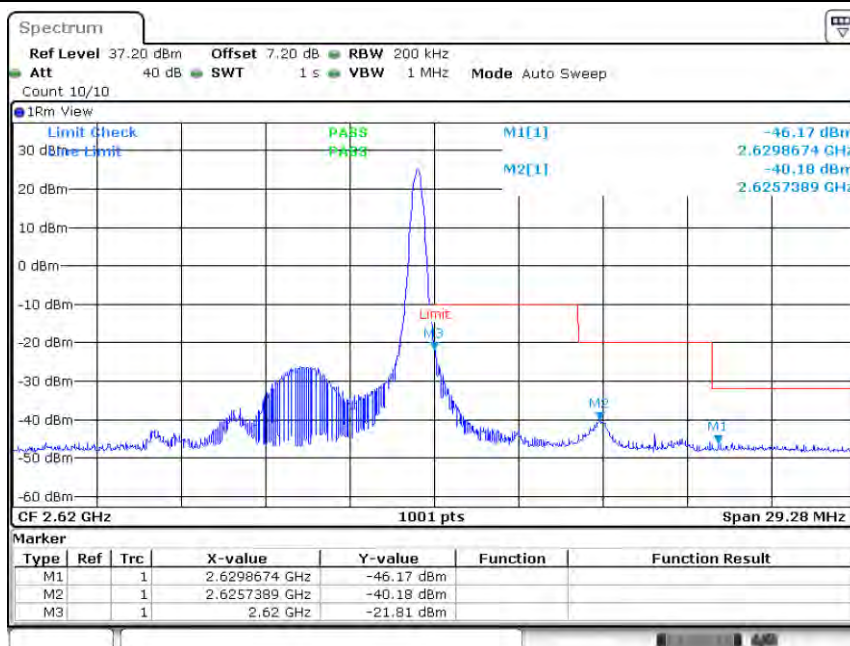


Band38-10MHz-16QAM-37800-50RB#0



Date: 29 DEC. 2020 08:32:39

Band38-10MHz-16QAM-38200-1RB#49

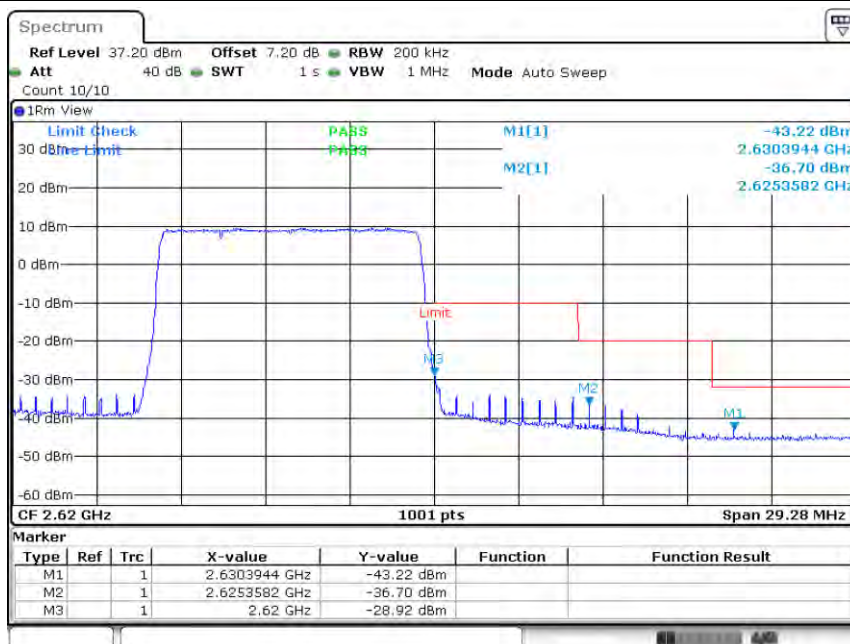


Date: 29 DEC. 2020 08:31:52



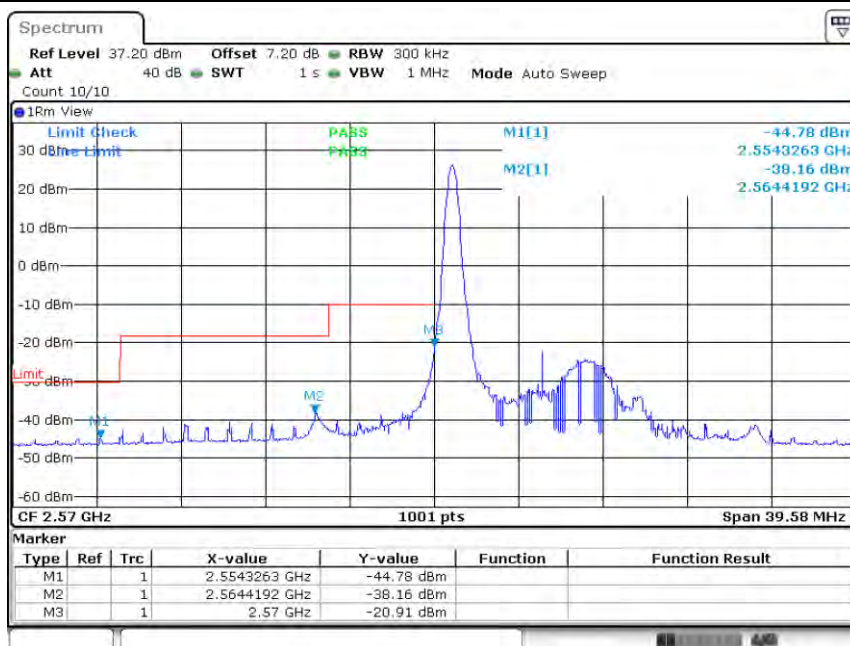


Band38-10MHz-16QAM-38200-50RB#0



Date: 29 DEC. 2020 08:33:23

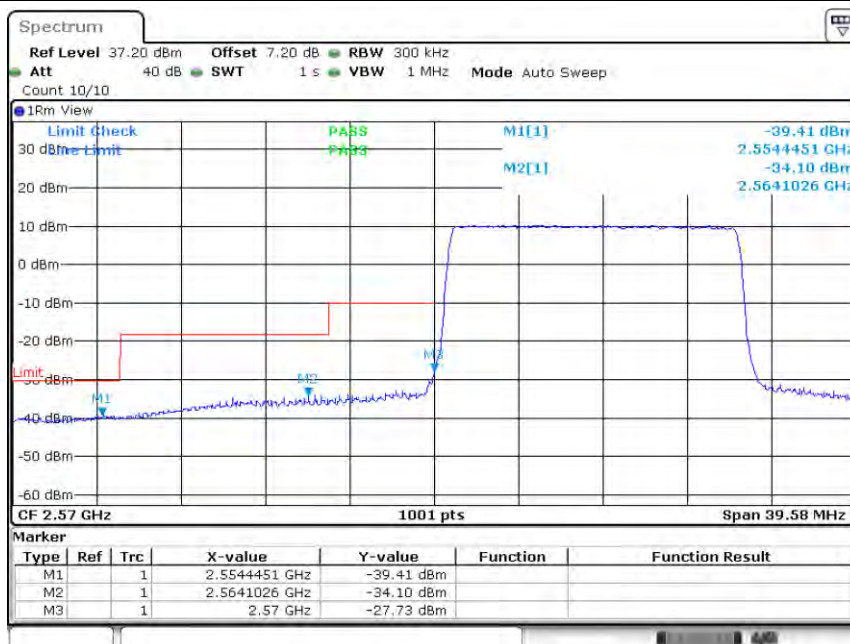
Band38-15MHz-QPSK-37825-1RB#0



Date: 29 DEC. 2020 08:33:50

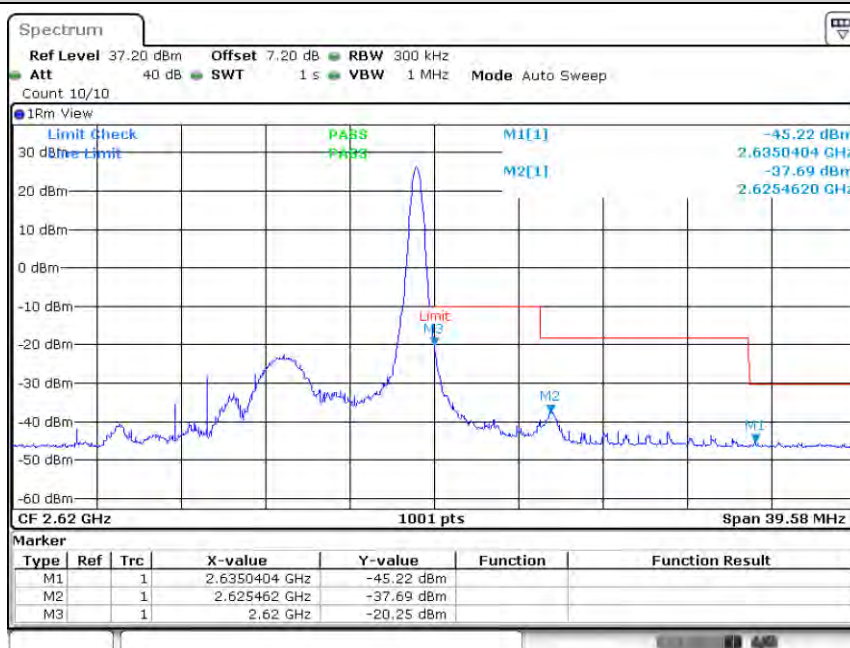


Band38-15MHz-QPSK-37825-75RB#0



Date: 29 DEC. 2020 08:35:25

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



Date: 29 DEC. 2020 08:34:38



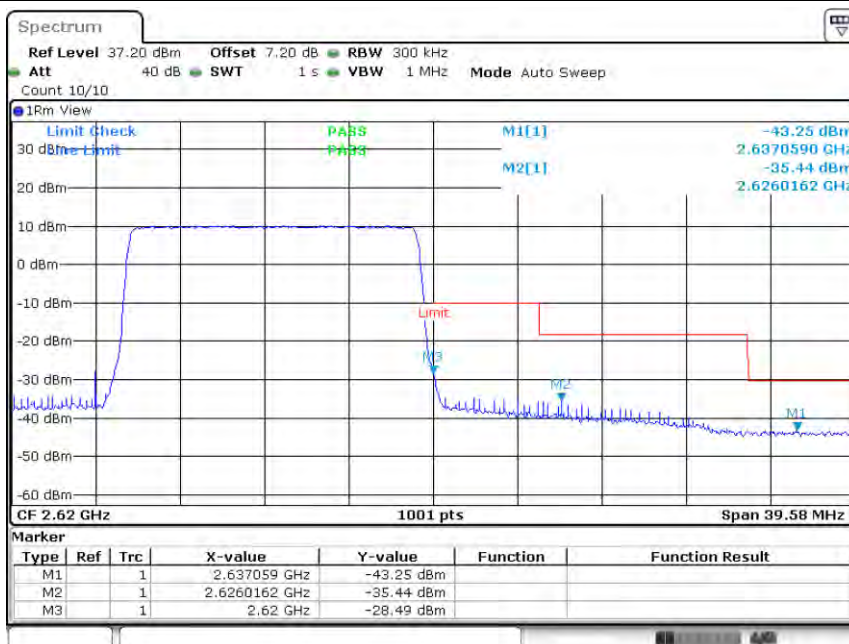
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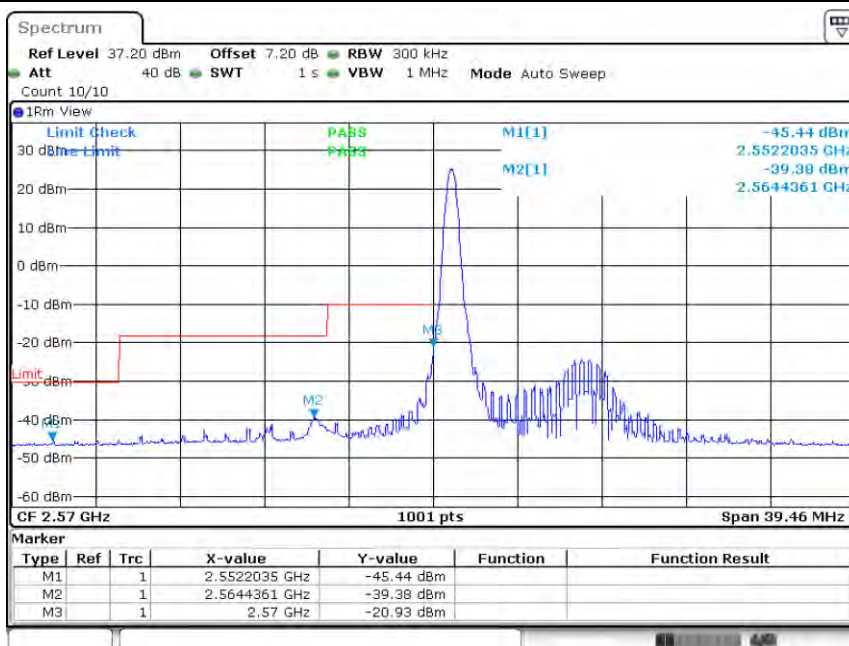


Band38-15MHz-QPSK-38175-75RB#0



Date: 29 DEC. 2020 08:36:09

Band38-15MHz-64QAM-37825-1RB#0



Date: 29 DEC. 2020 09:15:11

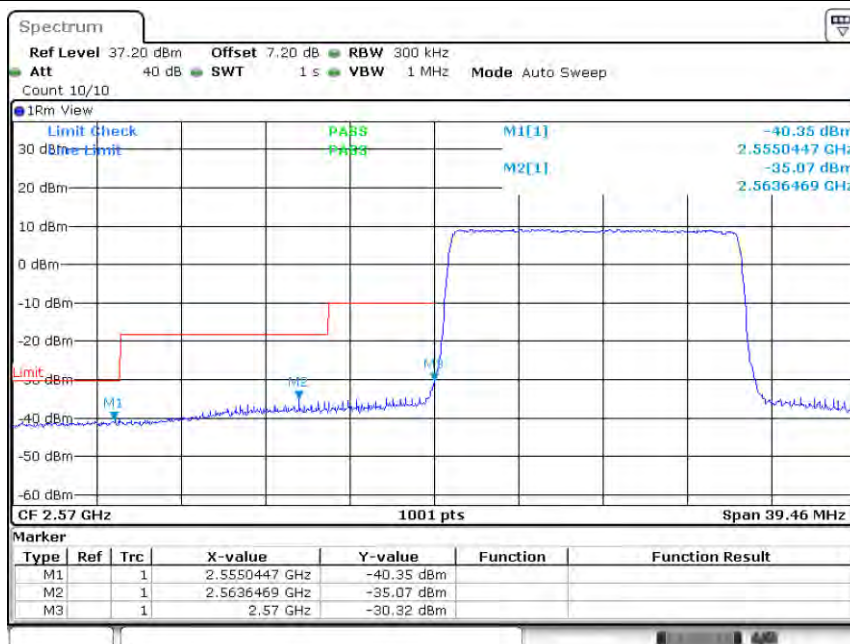


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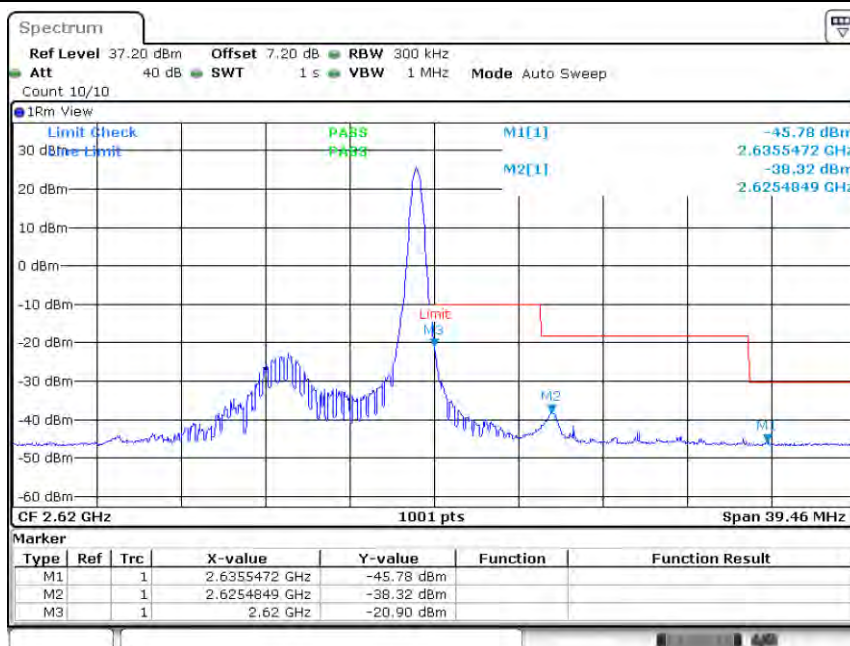


Band38-15MHz-64QAM-37825-75RB#0



Date: 29 DEC. 2020 09:16:13

Band38-15MHz-64QAM-38175-1RB#74



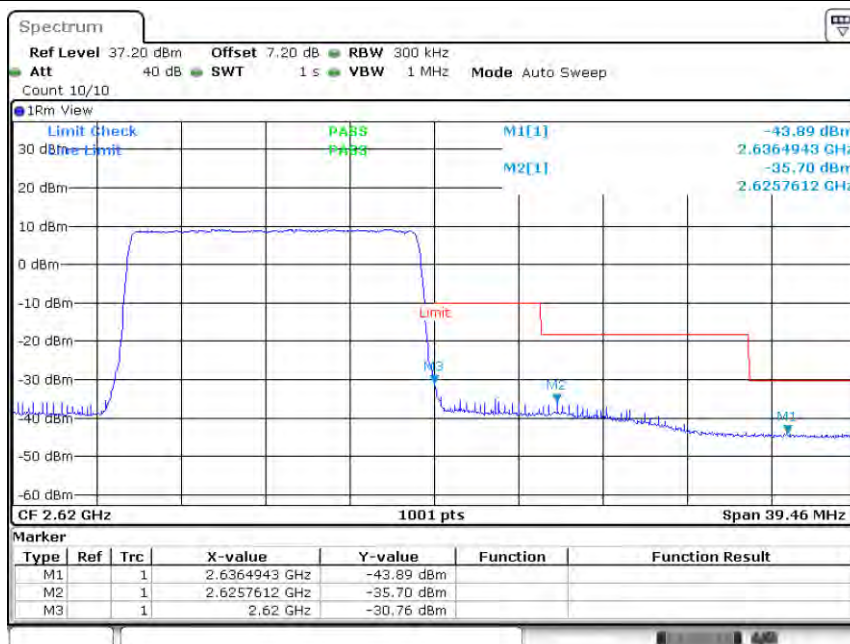
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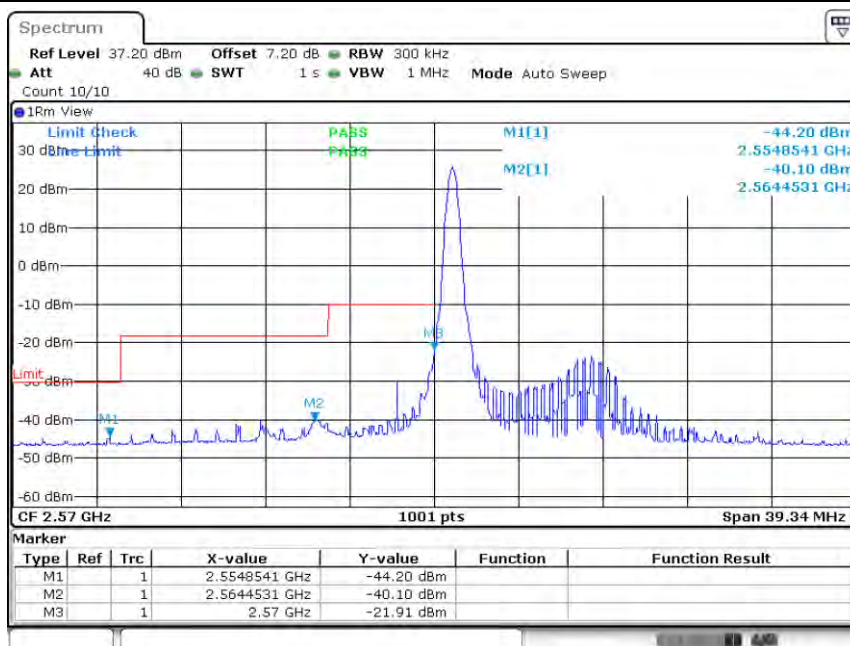


Band38-15MHz-64QAM-38175-75RB#0



Date: 29 DEC. 2020 09:16:35

Band38-15MHz-16QAM-37825-1RB#0



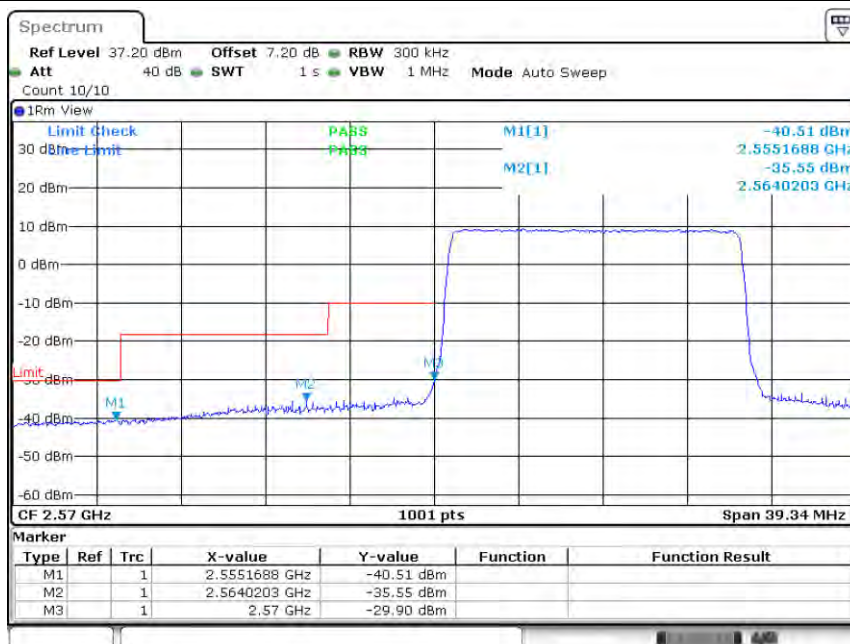
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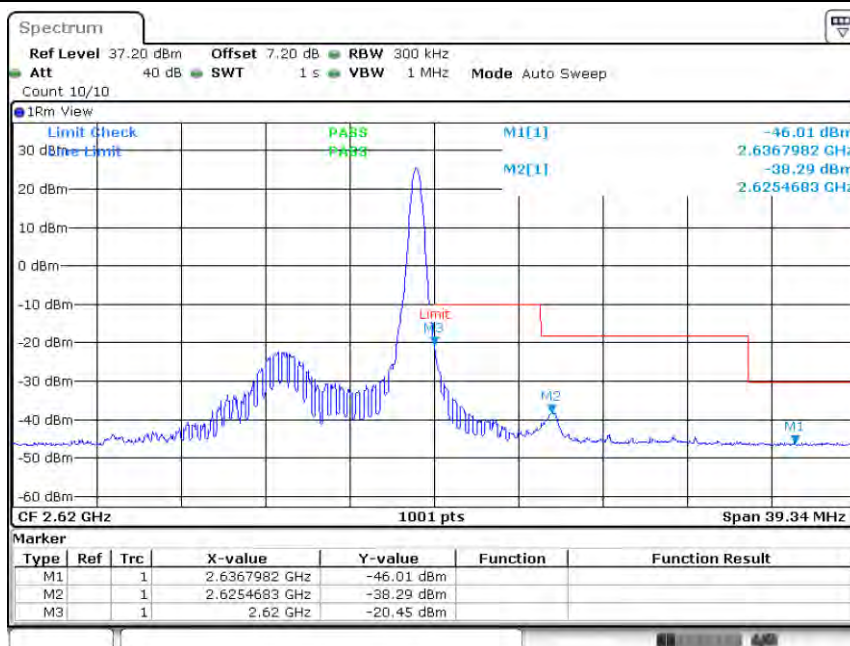
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## Band38-15MHz-16QAM-37825-75RB#0



Date: 29 DEC. 2020 08:35:47

## Band38-15MHz-16QAM-38175-1RB#74

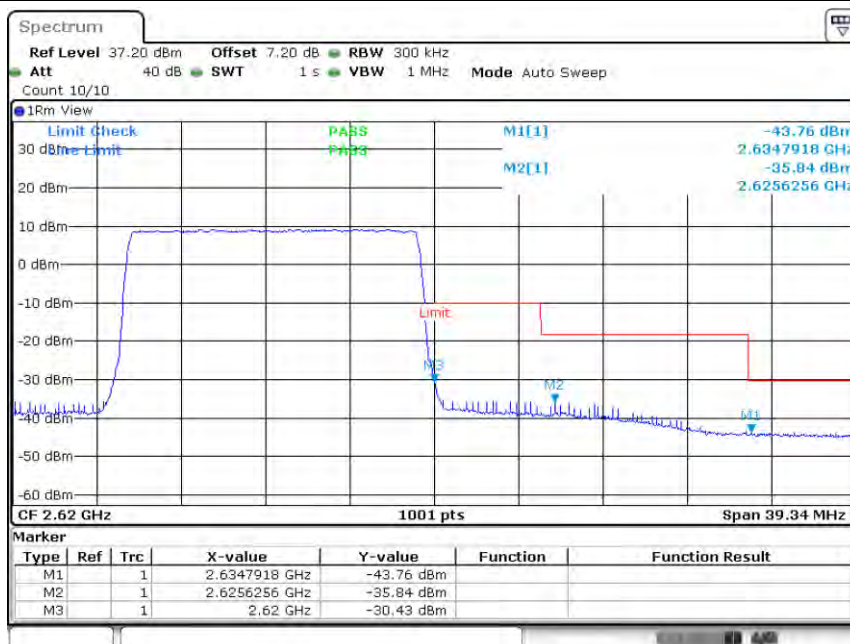


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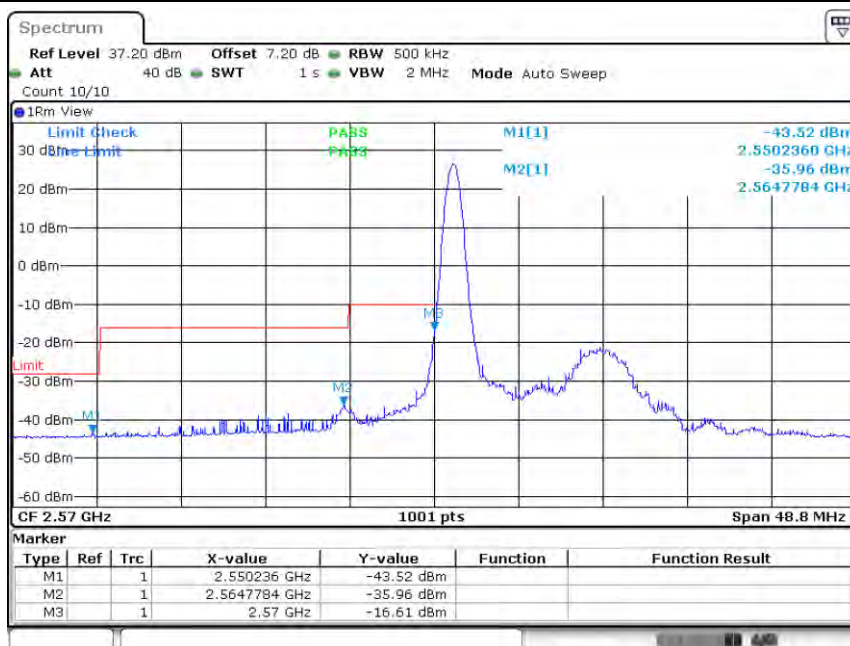


## Band38-15MHz-16QAM-38175-75RB#0



Date: 29 DEC. 2020 08:36:30

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



Date: 29 DEC. 2020 08:36:57



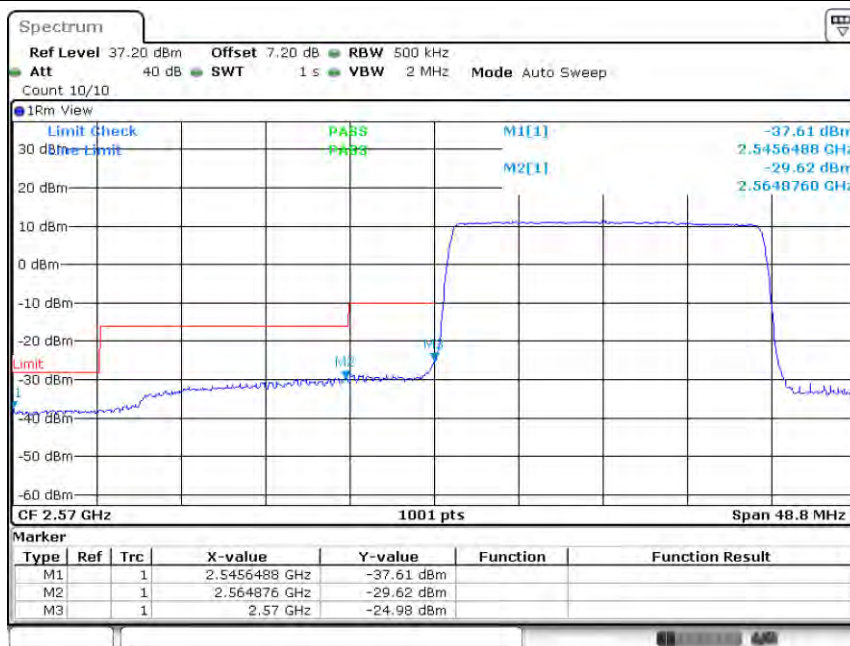
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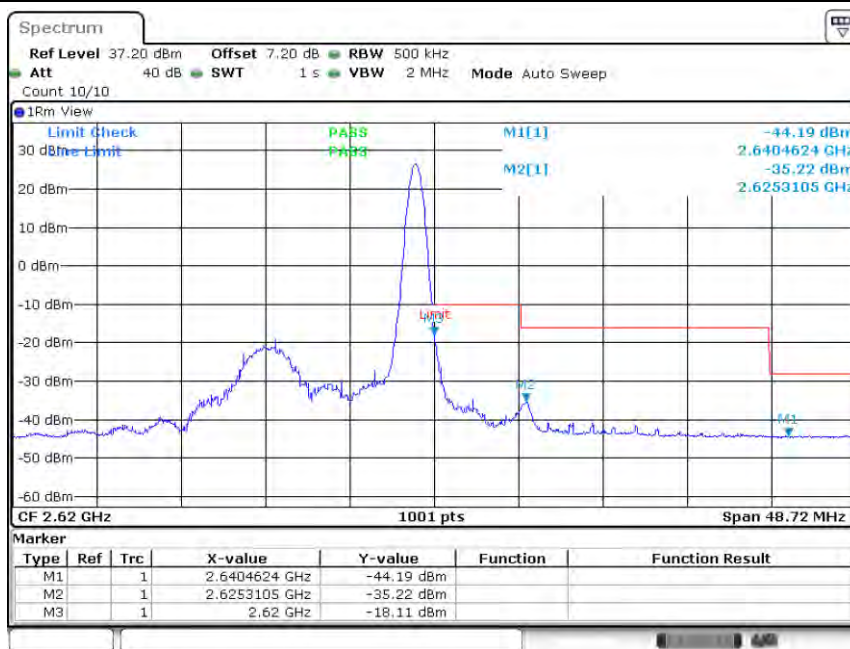
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## Band38-20MHz-QPSK-37850-100RB#0



Date: 29 DEC. 2020 08:38:33

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



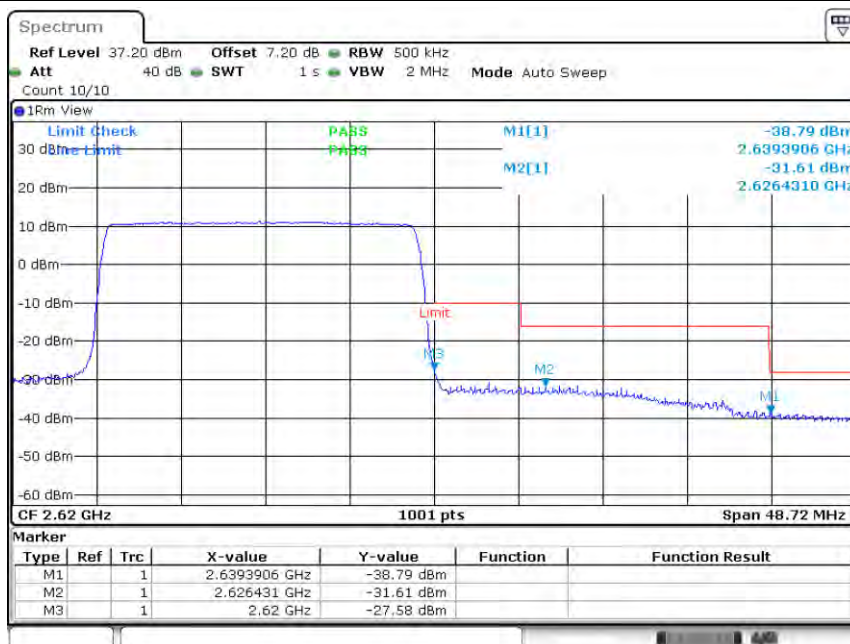
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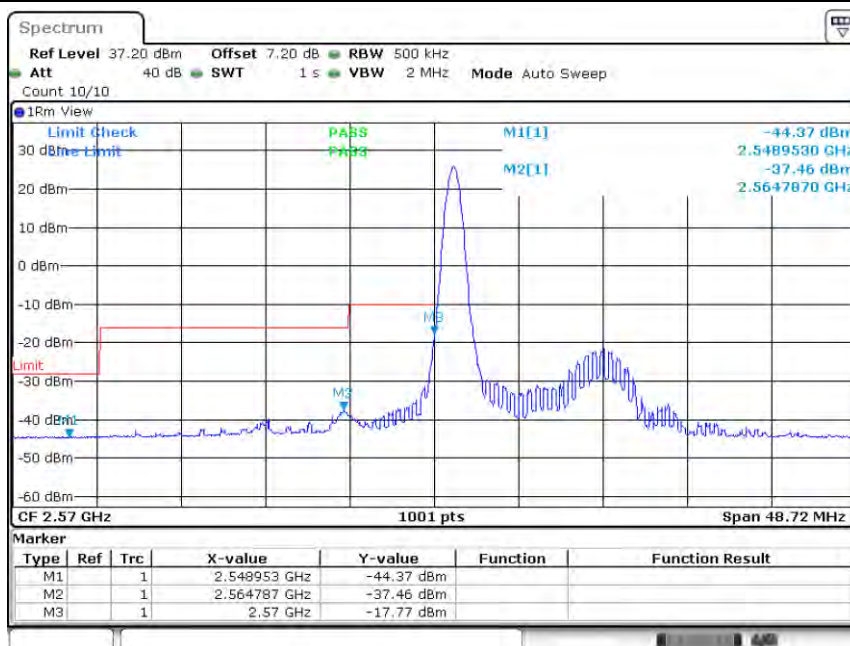


Band38-20MHz-QPSK-38150-100RB#0



Date: 29 DEC. 2020 08:39:17

Band38-20MHz-64QAM-37850-1RB#0



Date: 29 DEC. 2020 09:17:01



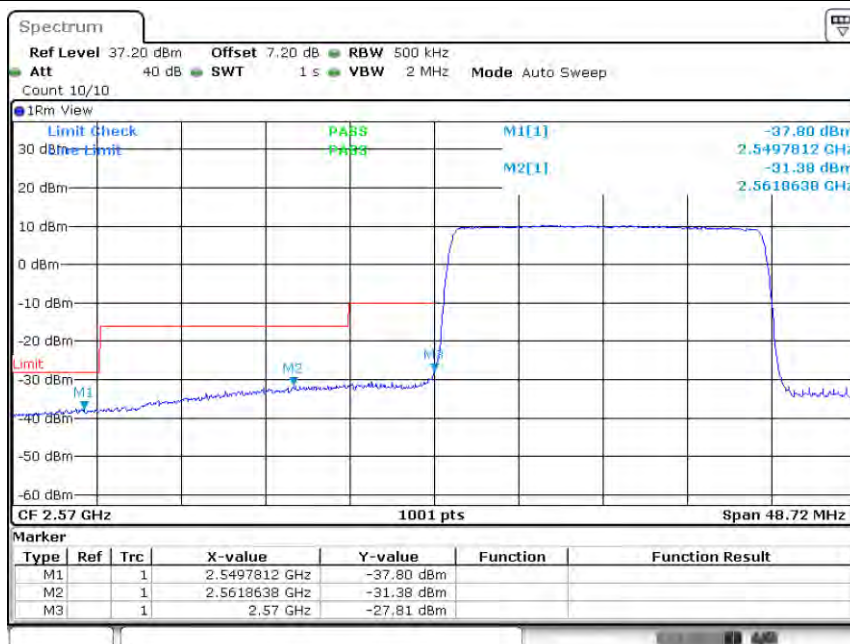
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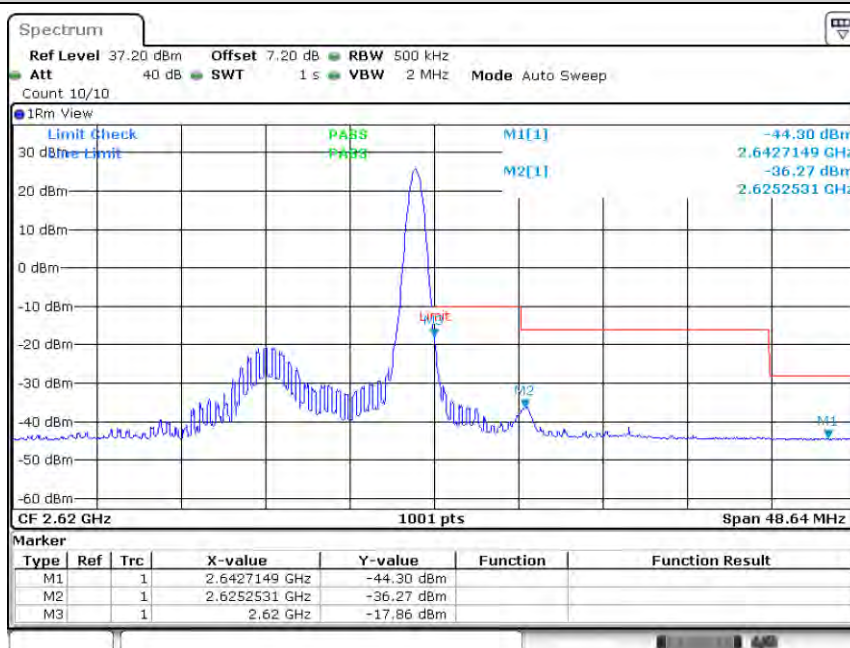
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Band38-20MHz-64QAM-37850-100RB#0



Date: 29 DEC. 2020 09:17:58

Band38-20MHz-64QAM-38150-1RB#99

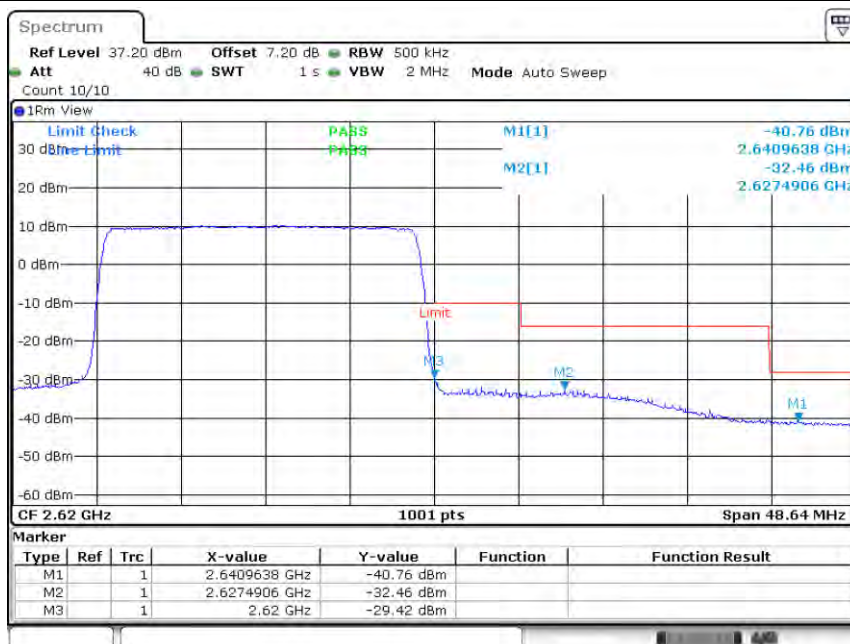


Date: 29 DEC. 2020 09:17:31



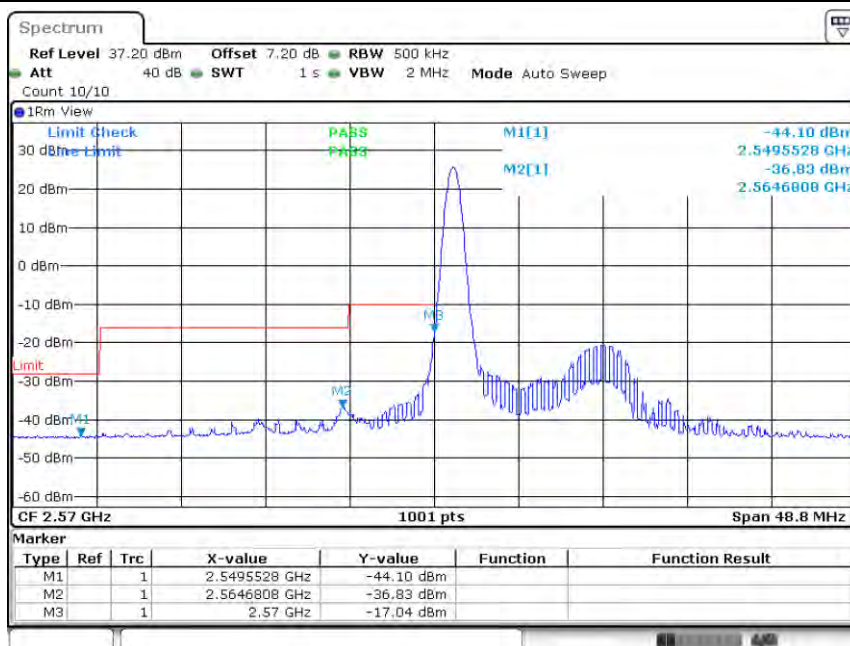


Band38-20MHz-64QAM-38150-100RB#0



Date: 29 DEC. 2020 09:18:23

Band38-20MHz-16QAM-37850-1RB#0



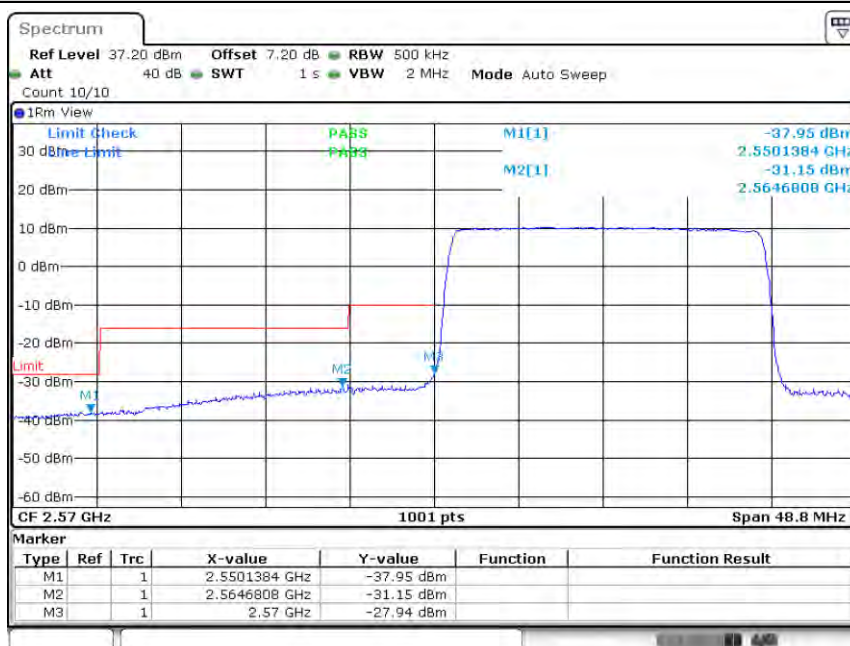
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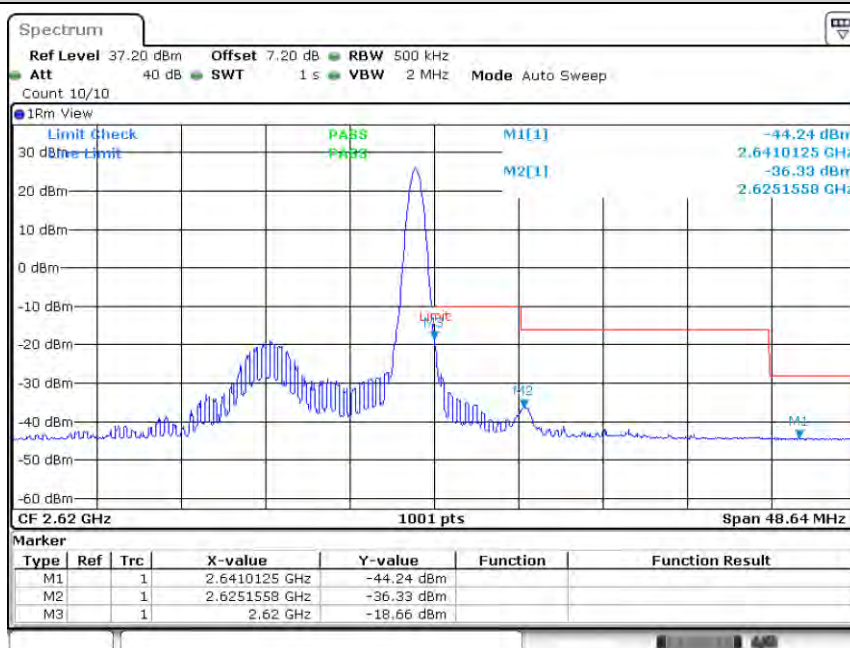
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## Band38-20MHz-16QAM-37850-100RB#0



Date: 29 DEC. 2020 08:38:54

## Band38-20MHz-16QAM-38150-1RB#99



Date: 29 DEC. 2020 08:38:07



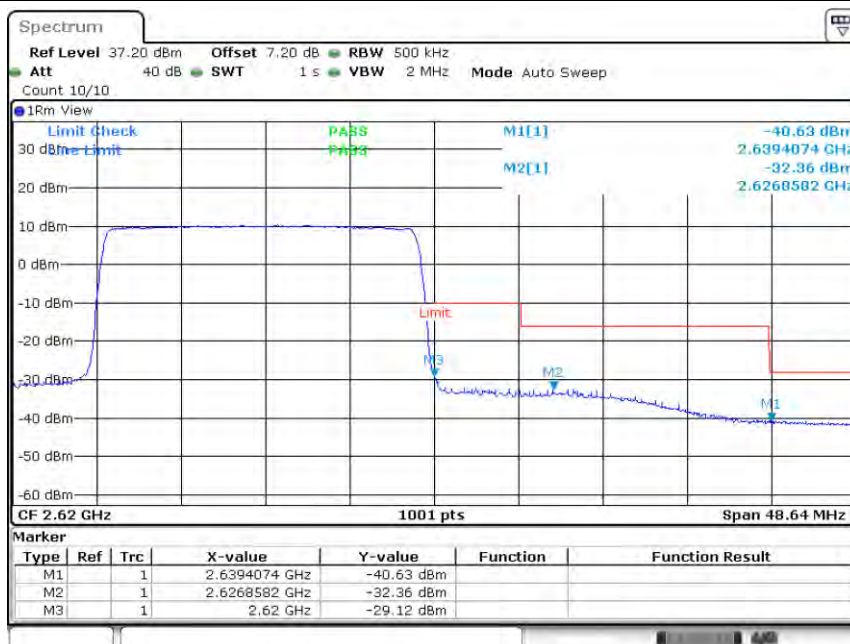
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Band38-20MHz-16QAM-38150-100RB#0



Date: 29 DEC. 2020 08:39:38



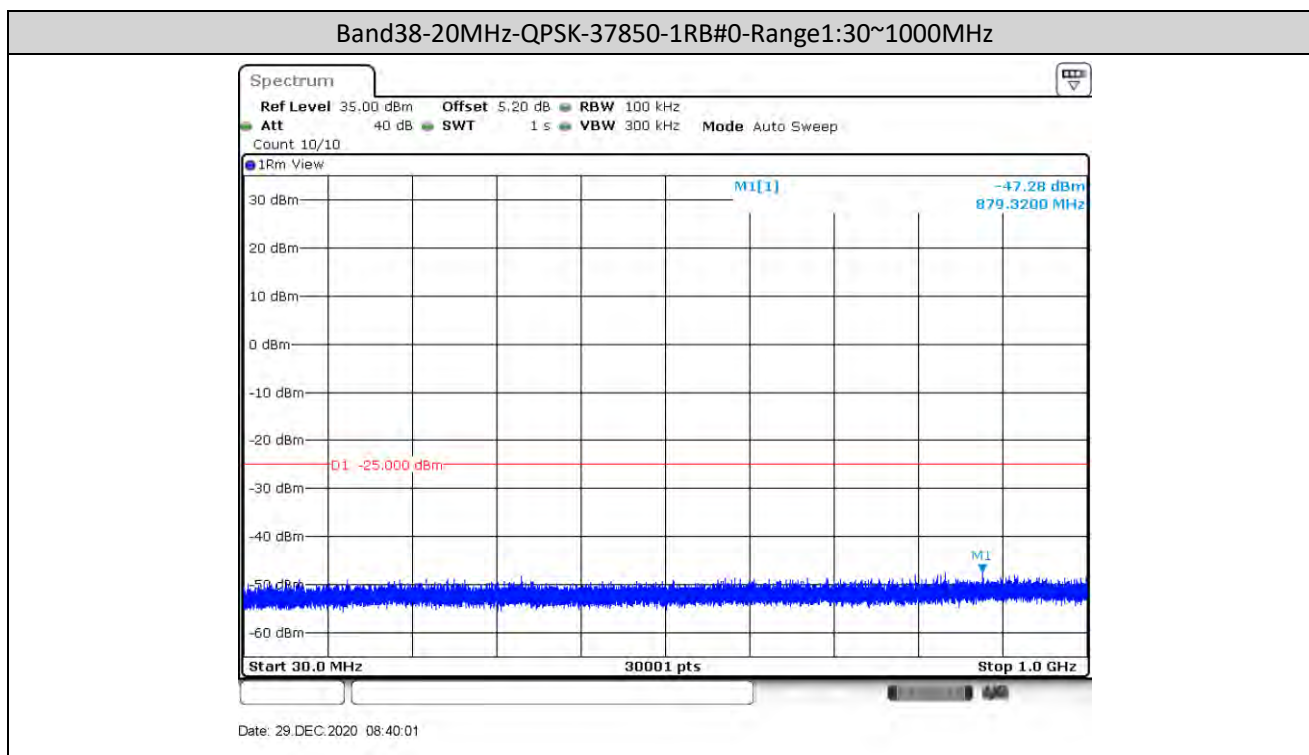


## 6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (\text{Span} / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

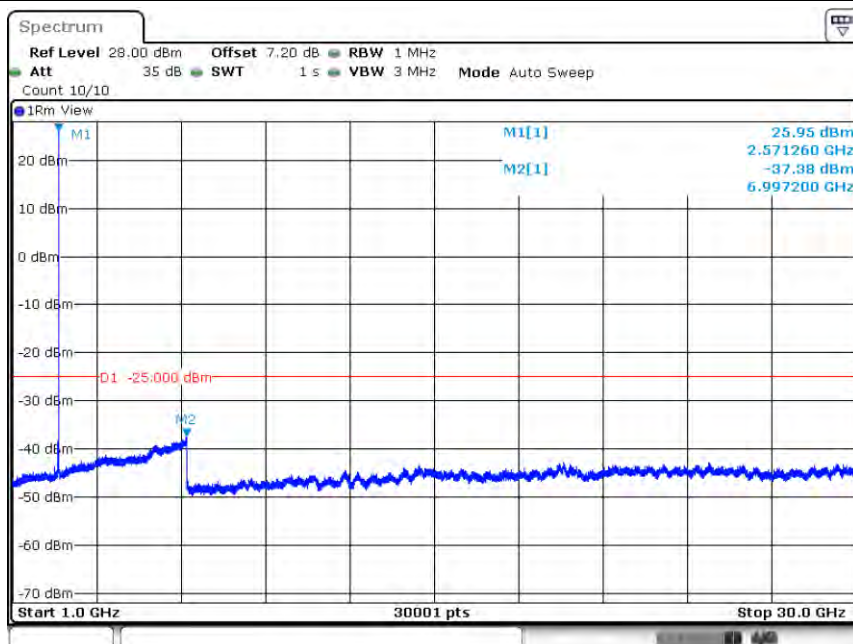
Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots



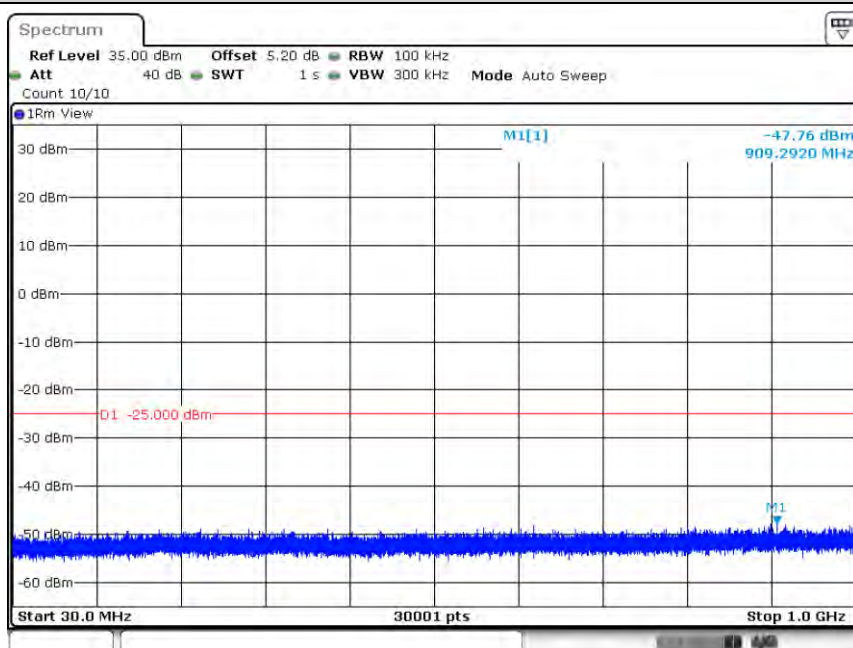


Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~30000MHz



Date: 29 DEC 2020 08:40:18

Band38-20MHz-QPSK-38000-1RB#0-Range1:30~1000MHz



Date: 29 DEC 2020 08:41:12



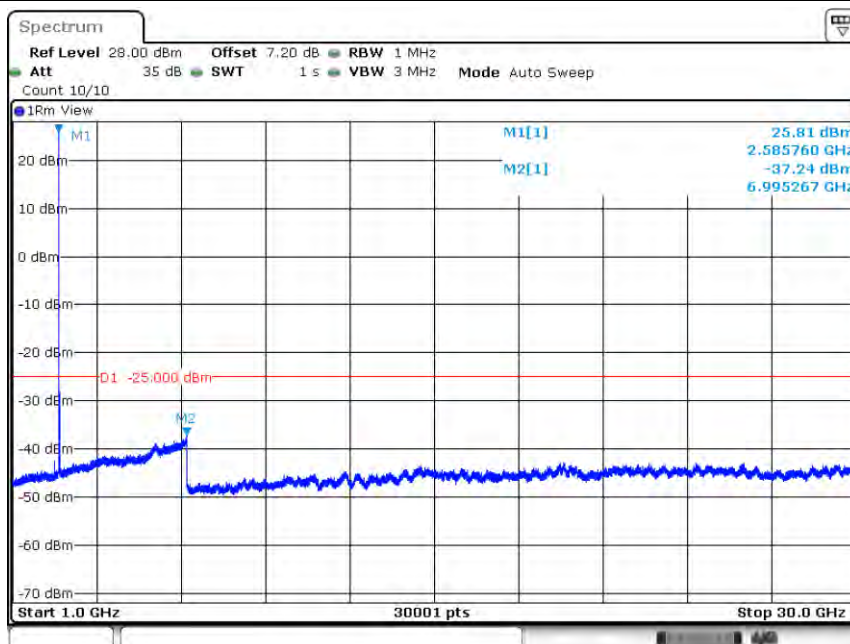
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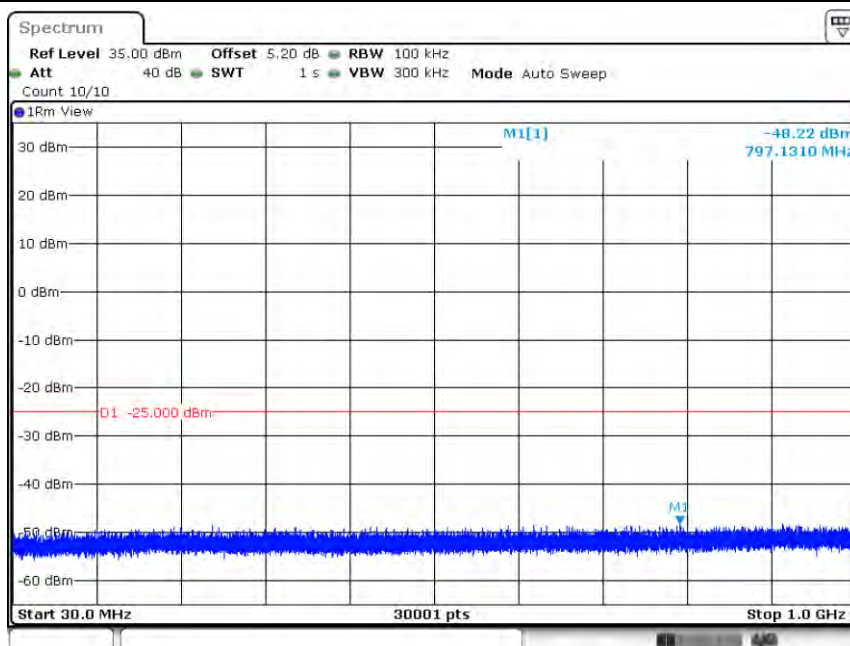
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Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~30000MHz



Date: 29 DEC. 2020 08:41:28

Band38-20MHz-QPSK-38150-1RB#0-Range1:30~1000MHz



Date: 29 DEC. 2020 08:42:23

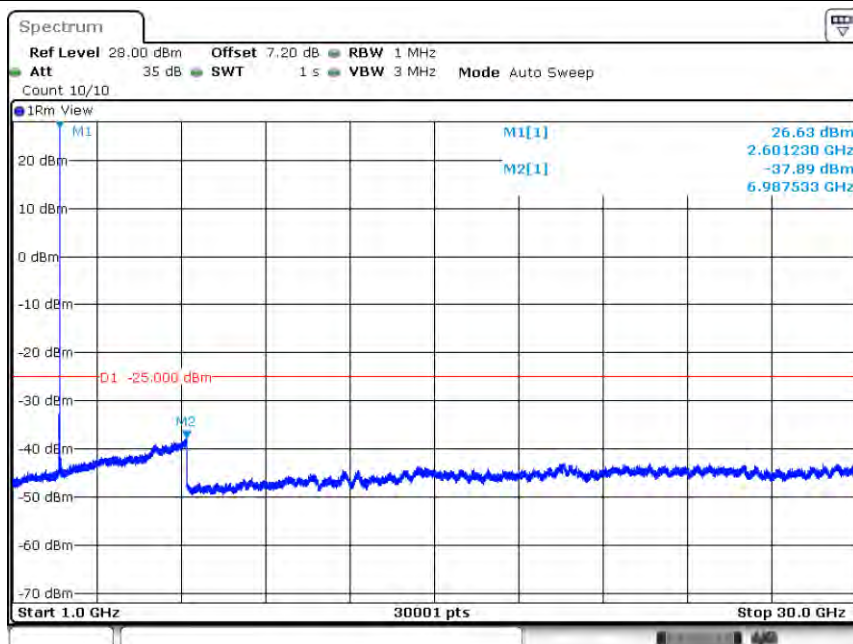


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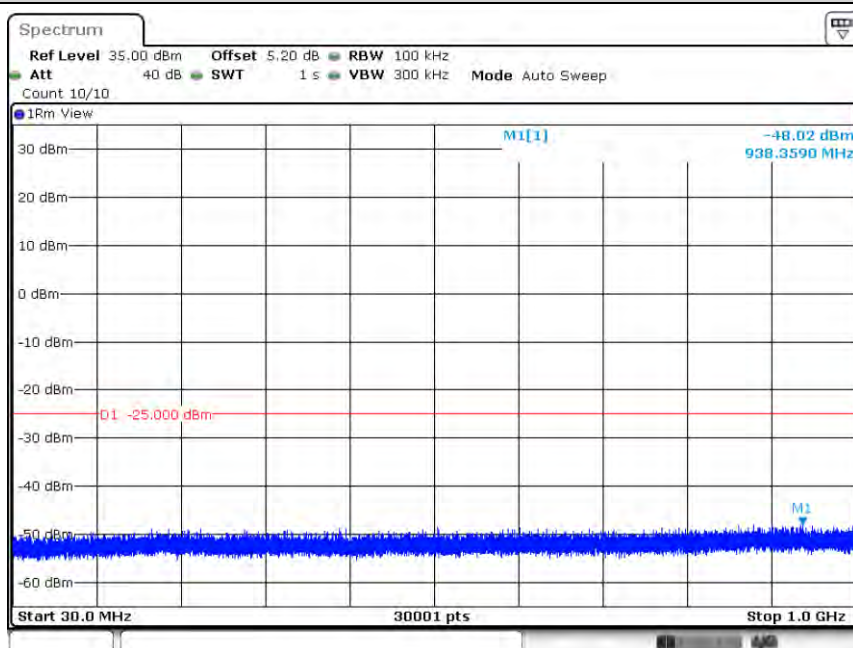


Band38-20MHz-QPSK-38150-1RB#0-Range2:1000~30000MHz



Date: 29 DEC 2020 08:42:39

Band38-20MHz-64QAM-37850-1RB#0-Range1:30~1000MHz



Date: 29 DEC 2020 09:18:48

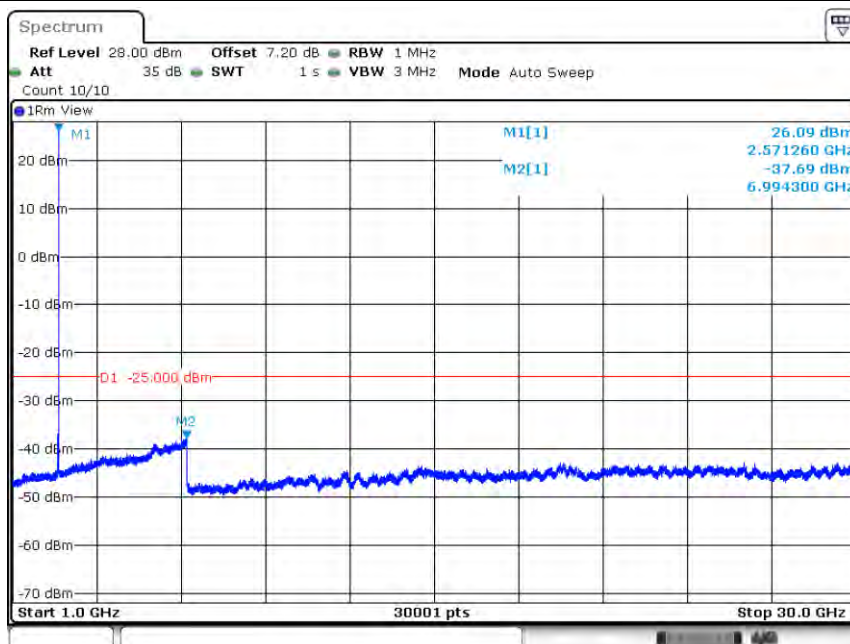


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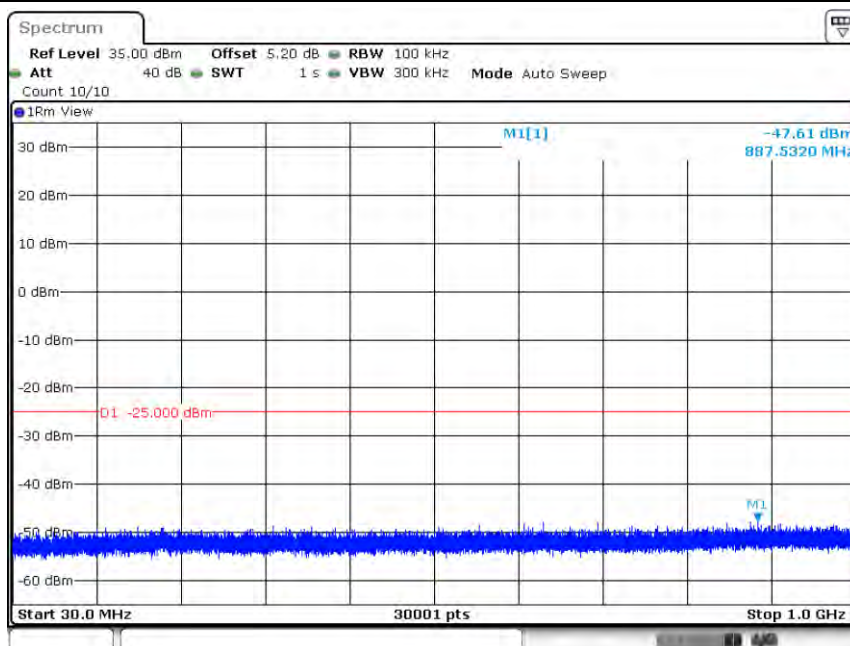
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Band38-20MHz-64QAM-37850-1RB#0-Range2:1000~30000MHz



Date: 29.DEC.2020 09:19:04

Band38-20MHz-64QAM-38000-1RB#0-Range1:30~1000MHz



Date: 29.DEC.2020 09:19:23

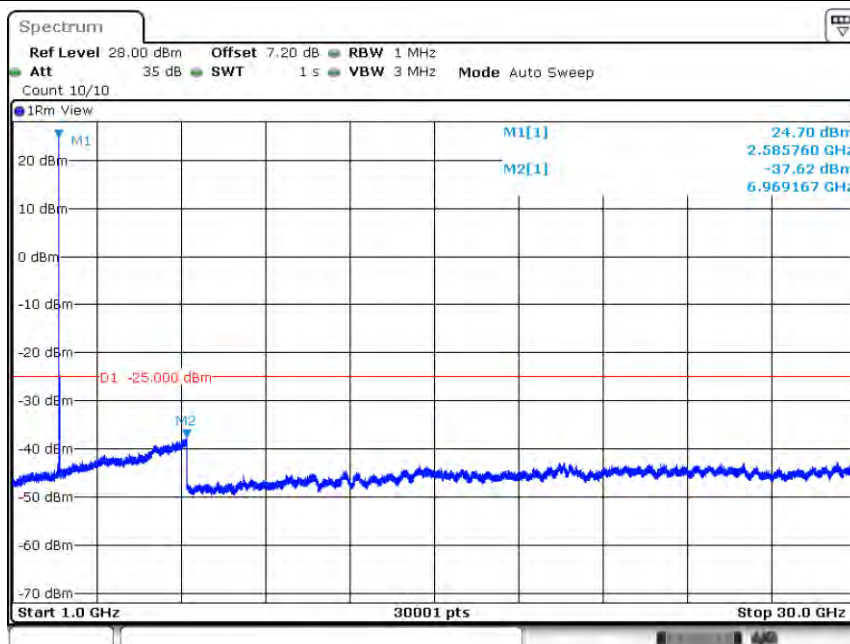


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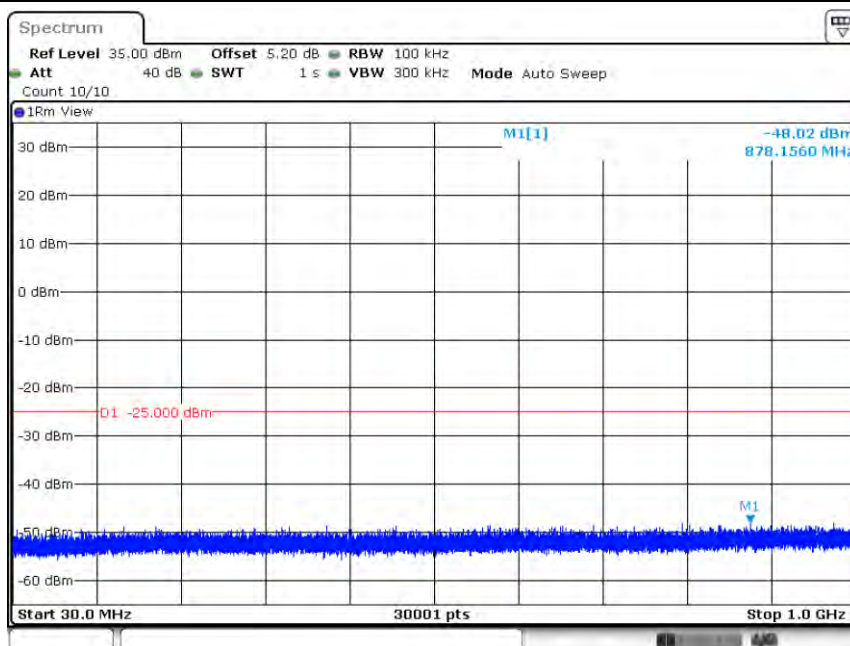


**Band38-20MHz-64QAM-38000-1RB#0-Range2:1000~30000MHz**



Date: 29 DEC. 2020 09:19:39

**Band38-20MHz-64QAM-38150-1RB#0-Range1:30~1000MHz**



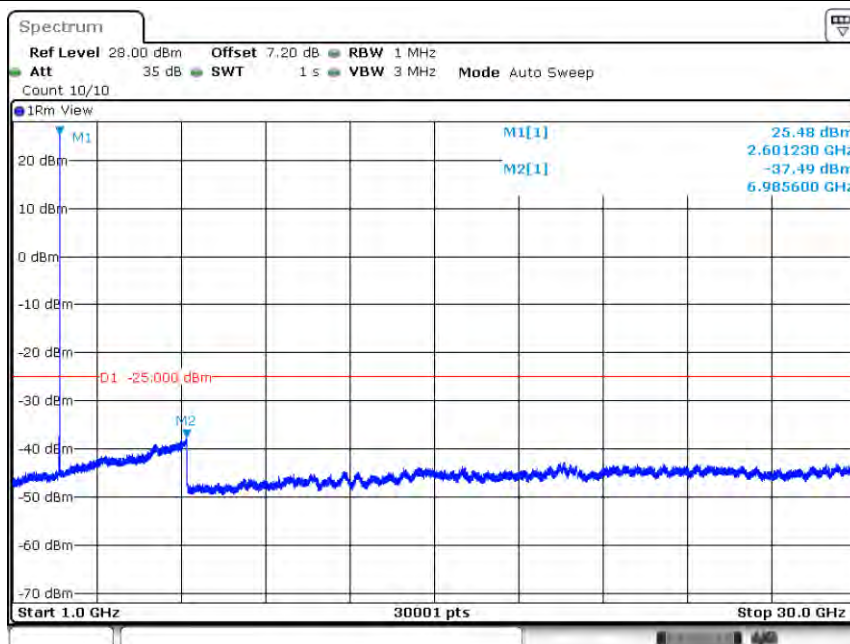
Date: 29 DEC. 2020 09:19:58



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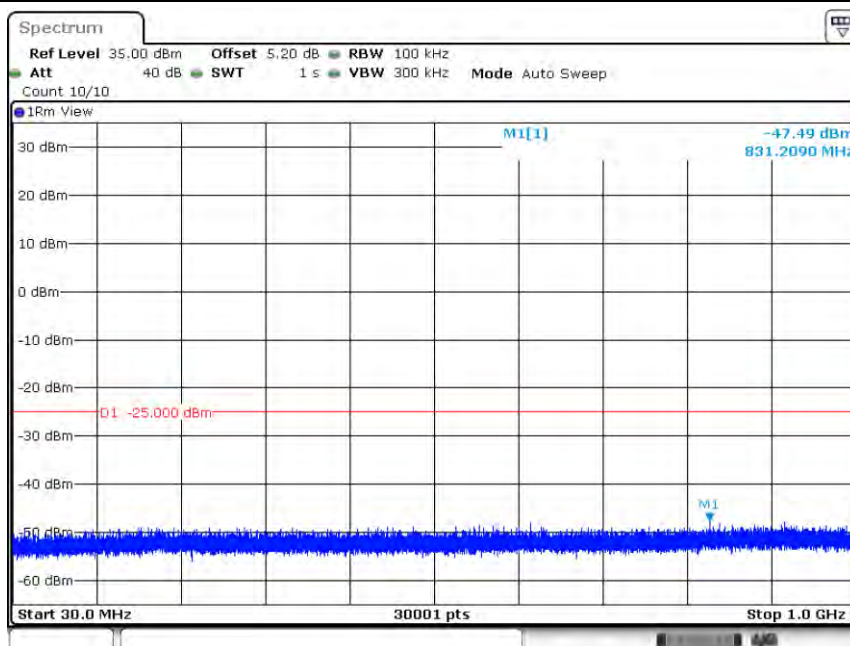
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**Band38-20MHz-64QAM-38150-1RB#0-Range2:1000~30000MHz**



Date: 29 DEC. 2020 09:20:14

**Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz**



Date: 29 DEC. 2020 08:40:37



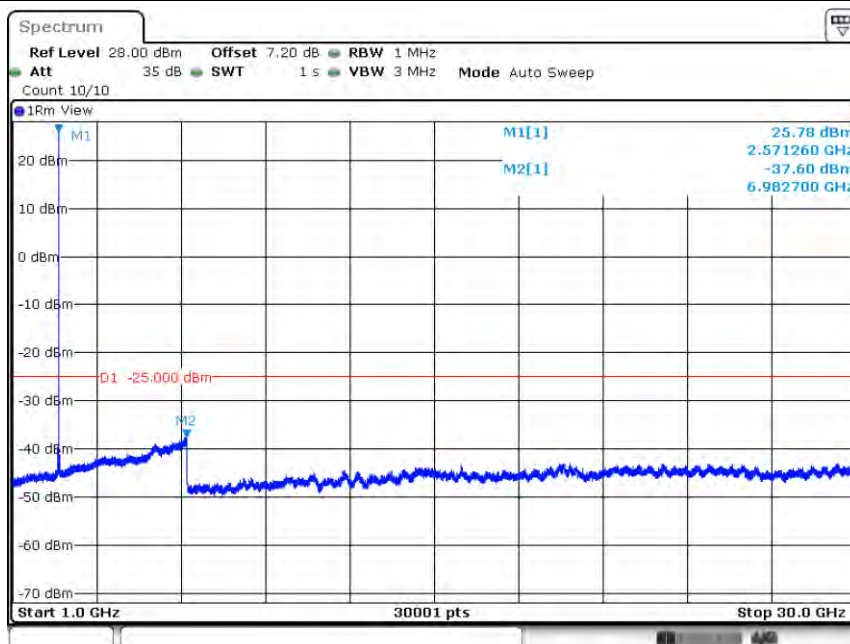
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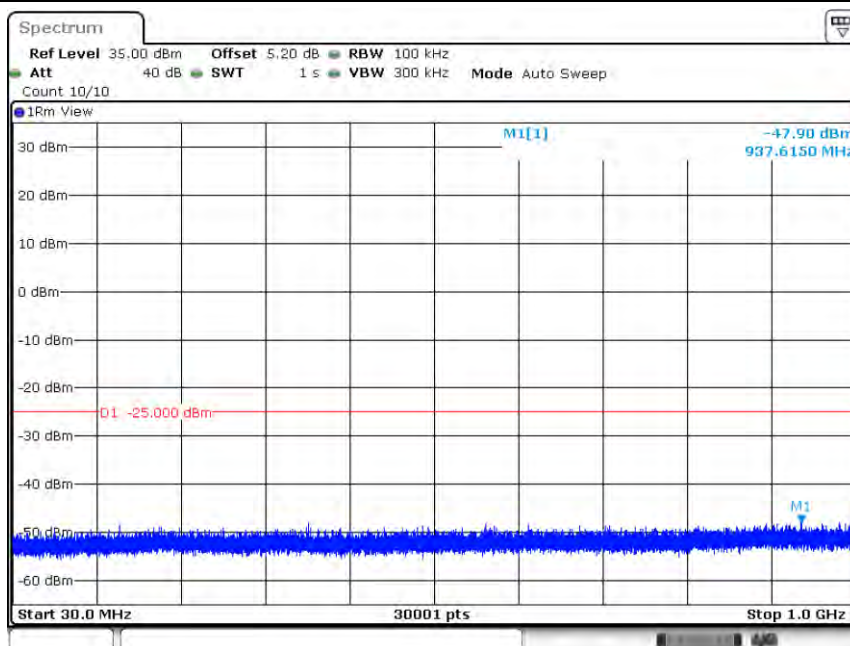


**Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~30000MHz**



Date: 29 DEC. 2020 08:40:53

**Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz**



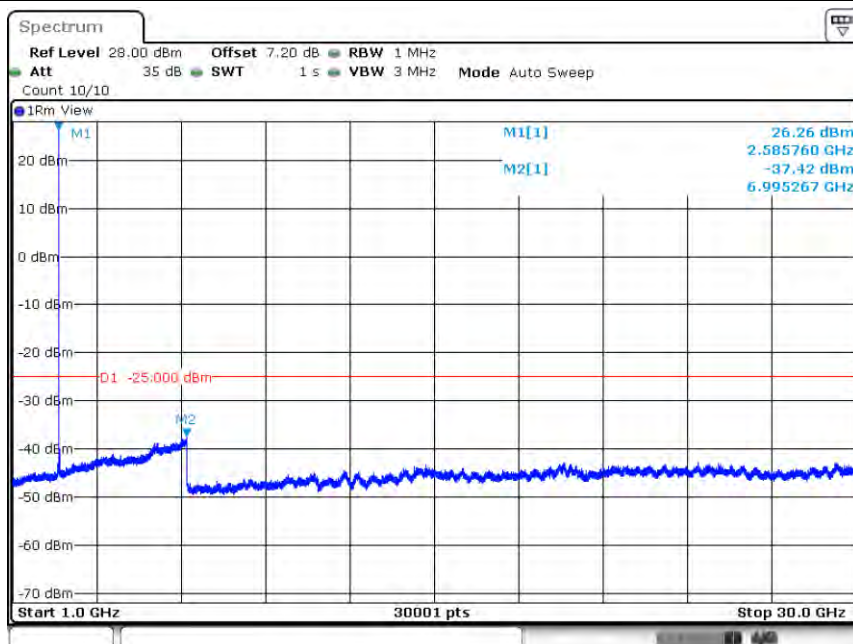
Date: 29 DEC. 2020 08:41:47



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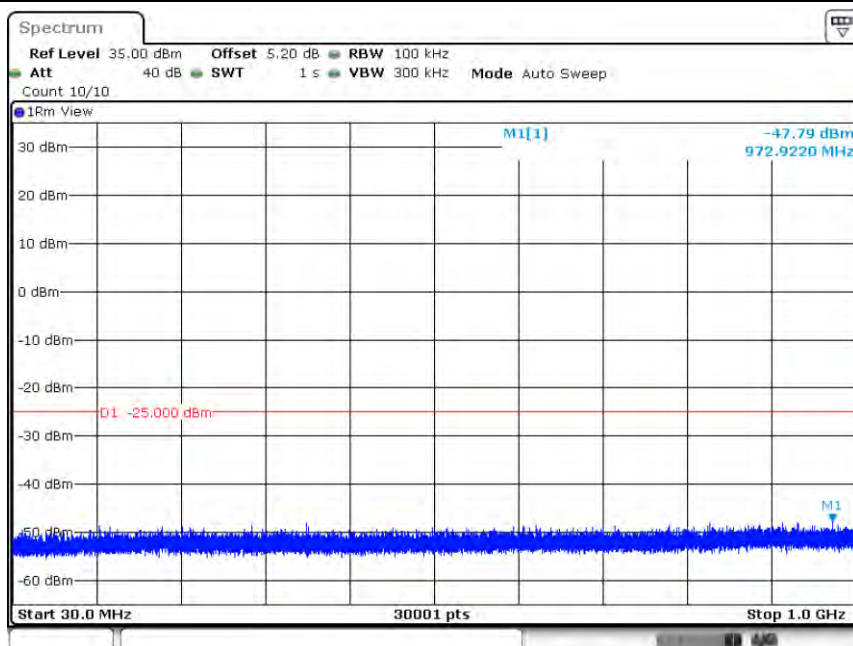
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## Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~30000MHz



Date: 29 DEC. 2020 08:42:04

## Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz



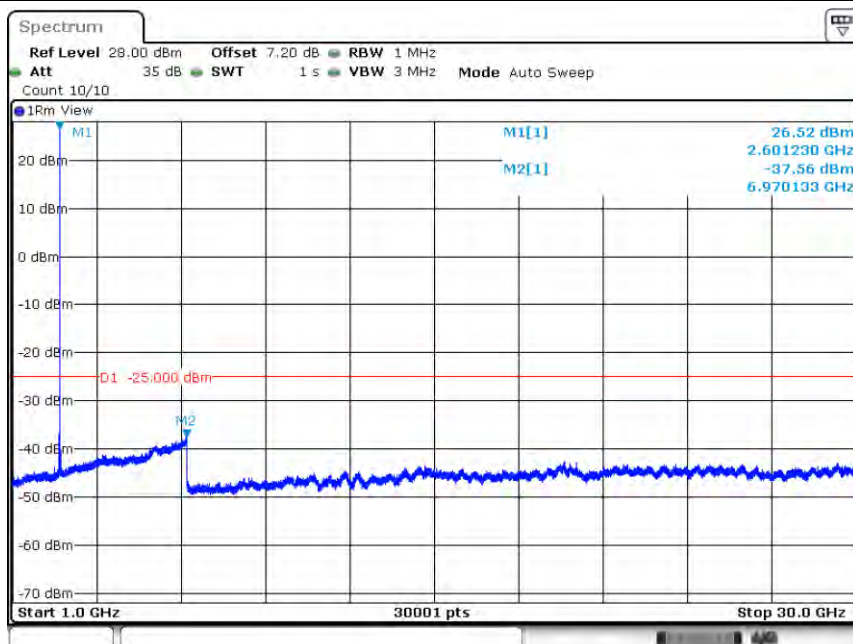
Date: 29 DEC. 2020 08:42:58







Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~30000MHz



Date: 29 DEC. 2020 08:43:14



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = LTE\_38\_TM1 ANT 2

#### 7.1.1. Test Channel = Low Channel

| Suspected Data List |                |                  |                |                |                |            |
|---------------------|----------------|------------------|----------------|----------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1                   | 41.7861        | -70.33           | -63.48         | -25.00         | 38.48          | Horizontal |
| 2                   | 89.8035        | -69.38           | -74.59         | -25.00         | 49.59          | Horizontal |
| 3                   | 230.4120       | -70.86           | -68.03         | -25.00         | 43.03          | Horizontal |
| 4                   | 3624.5208      | -52.70           | -60.90         | -25.00         | 35.90          | Horizontal |
| 5                   | 7449.6483      | -57.22           | -57.25         | -25.00         | 32.25          | Horizontal |
| 6                   | 16395.446      | -60.15           | -45.78         | -25.00         | 20.78          | Horizontal |



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## 7.2. Test Band = LTE\_38\_TM1 ANT 2

### 7.2.1. Test Channel = Low Channel

| Suspected Data List |                |                  |                |                |                |          |
|---------------------|----------------|------------------|----------------|----------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1                   | 31.3096        | -69.06           | -74.50         | -25.00         | 49.50          | Vertical |
| 2                   | 113.7152       | -69.53           | -63.45         | -25.00         | 38.45          | Vertical |
| 3                   | 606.5968       | -70.06           | -62.44         | -25.00         | 37.44          | Vertical |
| 4                   | 3518.5173      | -51.59           | -61.47         | -25.00         | 36.47          | Vertical |
| 5                   | 7360.6454      | -57.33           | -56.81         | -25.00         | 31.81          | Vertical |
| 6                   | 17999.500      | -59.81           | -41.94         | -25.00         | 16.94          | Vertical |



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### 7.3. Test Band = LTE\_38\_TM1 ANT 2

#### 7.3.1. Test Channel = Mid Channel

| Suspected Data List |                |                  |                |                |                |            |
|---------------------|----------------|------------------|----------------|----------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1                   | 44.5022        | -69.83           | -62.84         | -25.00         | 37.84          | Horizontal |
| 2                   | 234.1467       | -71.35           | -68.54         | -25.00         | 43.54          | Horizontal |
| 3                   | 768.2554       | -70.21           | -60.29         | -25.00         | 35.29          | Horizontal |
| 4                   | 3525.5175      | -52.05           | -60.77         | -25.00         | 35.77          | Horizontal |
| 5                   | 7451.1484      | -57.24           | -57.27         | -25.00         | 32.27          | Horizontal |
| 6                   | 16404.946      | -59.81           | -45.49         | -25.00         | 20.49          | Horizontal |



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#### 7.4. Test Band = LTE\_38\_TM1 ANT 2

##### 7.4.1. Test Channel = Mid Channel

| Suspected Data List |                |                  |                |                |                |          |
|---------------------|----------------|------------------|----------------|----------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1                   | 30.0485        | -69.98           | -74.18         | -25.00         | 49.18          | Vertical |
| 2                   | 108.2344       | -70.65           | -64.65         | -25.00         | 39.65          | Vertical |
| 3                   | 636.5228       | -71.07           | -63.55         | -25.00         | 38.55          | Vertical |
| 4                   | 3596.5199      | -52.29           | -61.40         | -25.00         | 36.40          | Vertical |
| 5                   | 7379.1460      | -57.31           | -56.77         | -25.00         | 31.77          | Vertical |
| 6                   | 17996.999      | -59.86           | -42.06         | -25.00         | 17.06          | Vertical |



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## 7.5. Test Band = LTE\_38\_TM1 ANT 2

### 7.5.1. Test Channel = High Channel

| Suspected Data List |                |                  |                |                |                |            |
|---------------------|----------------|------------------|----------------|----------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1                   | 41.4466        | -69.85           | -63.01         | -25.00         | 38.01          | Horizontal |
| 2                   | 97.1759        | -70.29           | -75.30         | -25.00         | 50.30          | Horizontal |
| 3                   | 240.8885       | -70.81           | -68.04         | -25.00         | 43.04          | Horizontal |
| 4                   | 3729.5243      | -52.07           | -60.55         | -25.00         | 35.55          | Horizontal |
| 5                   | 7356.1452      | -57.32           | -57.49         | -25.00         | 32.49          | Horizontal |
| 6                   | 16393.946      | -60.16           | -45.82         | -25.00         | 20.82          | Horizontal |



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## 7.6. Test Band = LTE\_38\_TM1 ANT 2

### 7.6.1. Test Channel = High Channel

| Suspected Data List |                |                  |                |                |                |          |
|---------------------|----------------|------------------|----------------|----------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1                   | 30.3880        | -69.55           | -74.08         | -25.00         | 49.08          | Vertical |
| 2                   | 110.0775       | -69.67           | -63.27         | -25.00         | 38.27          | Vertical |
| 3                   | 611.7381       | -69.55           | -61.95         | -25.00         | 36.95          | Vertical |
| 4                   | 3598.0199      | -52.79           | -61.89         | -25.00         | 36.89          | Vertical |
| 5                   | 7350.1450      | -57.11           | -56.59         | -25.00         | 31.59          | Vertical |
| 6                   | 17994.999      | -59.87           | -42.12         | -25.00         | 17.12          | Vertical |



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## 7.7. Test Band = LTE\_38\_TM1 ANT 3

### 7.7.1. Test Channel = Low Channel

| Suspected Data List |                |                  |                |                |                |            |
|---------------------|----------------|------------------|----------------|----------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1                   | 43.3867        | -69.38           | -62.44         | -25.00         | 37.44          | Horizontal |
| 2                   | 102.5111       | -70.36           | -75.00         | -25.00         | 50.00          | Horizontal |
| 3                   | 242.5861       | -71.81           | -69.08         | -25.00         | 44.08          | Horizontal |
| 4                   | 3640.5214      | -52.73           | -61.01         | -25.00         | 36.01          | Horizontal |
| 5                   | 7461.6487      | -57.19           | -57.21         | -25.00         | 32.21          | Horizontal |
| 6                   | 17996.999      | -58.14           | -45.08         | -25.00         | 20.08          | Horizontal |



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## 7.8. Test Band = LTE\_38\_TM1 ANT 3

### 7.8.1. Test Channel = Low Channel

| Suspected Data List |                |                  |                |                |                |          |
|---------------------|----------------|------------------|----------------|----------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1                   | 30.2425        | -70.71           | -75.10         | -25.00         | 50.10          | Vertical |
| 2                   | 110.9505       | -69.35           | -63.02         | -25.00         | 38.02          | Vertical |
| 3                   | 599.9520       | -70.41           | -62.77         | -25.00         | 37.77          | Vertical |
| 4                   | 3744.5248      | -53.17           | -62.31         | -25.00         | 37.31          | Vertical |
| 5                   | 7339.6447      | -57.15           | -56.64         | -25.00         | 31.64          | Vertical |
| 6                   | 17999.500      | -59.36           | -41.49         | -25.00         | 16.49          | Vertical |



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## 7.9. Test Band = LTE\_38\_TM1 ANT 3

### 7.9.1. Test Channel = Mid Channel

| Suspected Data List |                |                  |                |                |                |            |
|---------------------|----------------|------------------|----------------|----------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1                   | 40.5735        | -70.33           | -63.54         | -25.00         | 38.54          | Horizontal |
| 2                   | 103.9662       | -69.90           | -74.63         | -25.00         | 49.63          | Horizontal |
| 3                   | 279.5450       | -69.93           | -69.09         | -25.00         | 44.09          | Horizontal |
| 4                   | 3533.0178      | -52.06           | -60.72         | -25.00         | 35.72          | Horizontal |
| 5                   | 7423.1474      | -57.06           | -57.11         | -25.00         | 32.11          | Horizontal |
| 6                   | 16394.946      | -59.56           | -45.20         | -25.00         | 20.20          | Horizontal |



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7.10. Test Band = LTE\_38\_TM1 ANT 3

7.10.1. Test Channel = Mid Channel

| Suspected Data List |                |                  |                |                |                |          |
|---------------------|----------------|------------------|----------------|----------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1                   | 30.0970        | -69.66           | -73.91         | -25.00         | 48.91          | Vertical |
| 2                   | 111.4841       | -69.56           | -63.28         | -25.00         | 38.28          | Vertical |
| 3                   | 676.5858       | -70.58           | -62.69         | -25.00         | 37.69          | Vertical |
| 4                   | 3745.0248      | -52.73           | -61.87         | -25.00         | 36.87          | Vertical |
| 5                   | 7318.1439      | -56.99           | -56.50         | -25.00         | 31.50          | Vertical |
| 6                   | 17996.499      | -58.84           | -41.05         | -25.00         | 16.05          | Vertical |



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7.11. Test Band = LTE\_38\_TM1 ANT 3

7.11.1. Test Channel = High Channel

| Suspected Data List |                |                  |                |                |                |            |
|---------------------|----------------|------------------|----------------|----------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1                   | 39.9430        | -70.06           | -63.32         | -25.00         | 38.32          | Horizontal |
| 2                   | 100.0860       | -70.57           | -75.06         | -25.00         | 50.06          | Horizontal |
| 3                   | 325.6223       | -70.79           | -69.05         | -25.00         | 44.05          | Horizontal |
| 4                   | 3637.0212      | -52.98           | -61.24         | -25.00         | 36.24          | Horizontal |
| 5                   | 7452.6484      | -57.19           | -57.22         | -25.00         | 32.22          | Horizontal |
| 6                   | 16380.446      | -59.67           | -45.57         | -25.00         | 20.57          | Horizontal |



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## 7.12. Test Band = LTE\_38\_TM1 ANT 3

### 7.12.1. Test Channel = High Channel

| Suspected Data List |                |                  |                |                |                |          |
|---------------------|----------------|------------------|----------------|----------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity |
| 1                   | 31.1156        | -69.64           | -74.89         | -25.00         | 49.89          | Vertical |
| 2                   | 110.1260       | -70.81           | -64.41         | -25.00         | 39.41          | Vertical |
| 3                   | 585.8378       | -70.08           | -63.14         | -25.00         | 38.14          | Vertical |
| 4                   | 3638.5213      | -52.34           | -61.53         | -25.00         | 36.53          | Vertical |
| 5                   | 7456.6486      | -57.13           | -56.84         | -25.00         | 31.84          | Vertical |
| 6                   | 17997.999      | -59.29           | -41.46         | -25.00         | 16.46          | Vertical |

#### Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 All modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.
- 4 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.
- 5 The whole testing has assessed Ant1 & Ant2 & Ant3 & Ant5, But only the worst data Ant2&Ant3 has be reported



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0      | VL            | NT               | -2.80          | -0.001085       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0      | VN            | NT               | -5.60          | -0.002171       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0      | VH            | NT               | -3.90          | -0.001512       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VL            | NT               | 0.30           | 0.000116        | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VN            | NT               | -18.10         | -0.006975       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VH            | NT               | -12.70         | -0.004894       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0      | VL            | NT               | -8.50          | -0.003257       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0      | VN            | NT               | -17.60         | -0.006743       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0      | VH            | NT               | -9.30          | -0.003563       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0      | VL            | NT               | 21.50          | 0.008333        | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0      | VN            | NT               | -20.40         | -0.007907       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0      | VH            | NT               | 6.60           | 0.002558        | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0      | VL            | NT               | 2.90           | 0.001118        | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0      | VN            | NT               | -19.60         | -0.007553       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0      | VH            | NT               | -29.40         | -0.011329       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0      | VL            | NT               | -19.30         | -0.007395       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0      | VN            | NT               | -6.20          | -0.002375       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0      | VH            | NT               | 3.50           | 0.001341        | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0      | VL            | NT               | -6.80          | -0.002636       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0      | VN            | NT               | -5.80          | -0.002248       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0      | VH            | NT               | -8.30          | -0.003217       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0      | VL            | NT               | -16.60         | -0.006397       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0      | VN            | NT               | -12.10         | -0.004663       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0      | VH            | NT               | -15.30         | -0.005896       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0      | VL            | NT               | -4.70          | -0.001801       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0      | VN            | NT               | -12.20         | -0.004674       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0      | VH            | NT               | -5.80          | -0.002222       | ±2.5        | PASS    |

### 8.2. Frequency Vs Temperature

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0      | NV            | -30              | 2.20           | 0.000853        | ±2.5        | PASS    |



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|        |       |       |       |         |    |     |        |           |      |      |
|--------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | -20 | 4.30   | 0.001667  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | -10 | -1.90  | -0.000736 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 0   | -8.20  | -0.003178 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 10  | -1.30  | -0.000504 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 20  | -0.30  | -0.000116 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 30  | -1.90  | -0.000736 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 40  | 3.60   | 0.001395  | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 50  | -5.90  | -0.002287 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | -30 | -14.10 | -0.005434 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | -20 | -3.80  | -0.001464 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | -10 | -9.50  | -0.003661 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 0   | -1.50  | -0.000578 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 10  | -3.40  | -0.001310 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 20  | -7.20  | -0.002775 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 30  | -14.20 | -0.005472 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 40  | -11.90 | -0.004586 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 50  | -5.30  | -0.002042 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | -30 | -1.10  | -0.000421 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | -20 | -14.90 | -0.005709 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | -10 | -13.70 | -0.005249 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 0   | -3.70  | -0.001418 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 10  | -15.50 | -0.005939 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 20  | -7.30  | -0.002797 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 30  | -0.70  | -0.000268 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 40  | -16.80 | -0.006437 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 50  | -8.40  | -0.003218 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | -30 | 15.40  | 0.005969  | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | -20 | -10.30 | -0.003992 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | -10 | -15.70 | -0.006085 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 0   | -24.60 | -0.009535 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 10  | 20.60  | 0.007984  | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 20  | -0.60  | -0.000233 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 30  | -10.90 | -0.004225 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 40  | -12.20 | -0.004729 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 50  | -19.80 | -0.007674 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -30 | 11.80  | 0.004547  | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -20 | -16.10 | -0.006204 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -10 | -16.60 | -0.006397 | ±2.5 | PASS |



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|        |       |       |       |         |    |     |        |           |      |      |
|--------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 0   | -34.40 | -0.013256 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 10  | -0.90  | -0.000347 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 20  | -20.10 | -0.007746 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 30  | -15.00 | -0.005780 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 40  | -16.50 | -0.006358 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 50  | -22.40 | -0.008632 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | -30 | -8.80  | -0.003372 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | -20 | -15.20 | -0.005824 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | -10 | -16.00 | -0.006130 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 0   | 0.60   | 0.000230  | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 10  | -6.60  | -0.002529 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 20  | -13.30 | -0.005096 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 30  | 0.20   | 0.000077  | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 40  | -31.30 | -0.011992 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 50  | -29.10 | -0.011149 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -30 | -5.00  | -0.001938 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -20 | -3.10  | -0.001202 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -10 | -5.80  | -0.002248 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 0   | -6.30  | -0.002442 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 10  | -1.60  | -0.000620 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 20  | 0.80   | 0.000310  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 30  | -8.20  | -0.003178 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 40  | -11.10 | -0.004302 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 50  | -6.40  | -0.002481 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -30 | -14.80 | -0.005703 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -20 | -14.80 | -0.005703 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -10 | -8.20  | -0.003160 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 0   | -4.50  | -0.001734 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 10  | -7.70  | -0.002967 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 20  | -5.50  | -0.002119 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 30  | -3.60  | -0.001387 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 40  | -10.20 | -0.003931 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 50  | -2.80  | -0.001079 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -30 | -3.50  | -0.001341 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -20 | -11.30 | -0.004330 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -10 | -9.10  | -0.003487 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 0   | -2.70  | -0.001034 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 10  | -6.30  | -0.002414 | ±2.5 | PASS |



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|        |       |       |       |         |    |    |        |           |      |      |
|--------|-------|-------|-------|---------|----|----|--------|-----------|------|------|
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 20 | -14.90 | -0.005709 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 30 | -15.10 | -0.005785 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 40 | -11.50 | -0.004406 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 50 | -5.80  | -0.002222 | ±2.5 | PASS |



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