



# Appendix B

## E-UTRA Band 38



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|      |                                |    |
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## 1 Effective (Isotropic) Radiated Power

### 1.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|------------|-------------|---------|
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#0            | 22.57                | 21.56      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#12           | 22.54                | 21.53      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 1RB#24           | 23.11                | 22.1       | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#6           | 21.80                | 20.79      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#0           | 21.72                | 20.71      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 12RB#13          | 21.58                | 20.57      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 37775   | 25RB#0           | 21.79                | 20.78      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#24           | 22.66                | 21.65      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#0            | 22.85                | 21.84      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 1RB#12           | 23.11                | 22.1       | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#0           | 21.62                | 20.61      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#6           | 21.60                | 20.59      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 12RB#13          | 21.66                | 20.65      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 21.90                | 20.89      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#12           | 22.93                | 21.92      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#0            | 22.57                | 21.56      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 1RB#24           | 23.09                | 22.08      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#13          | 21.61                | 20.6       | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#6           | 21.60                | 20.59      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 12RB#0           | 21.88                | 20.87      | 33.00       | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 21.76                | 20.75      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#0            | 21.18                | 20.17      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#24           | 21.05                | 20.04      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 1RB#12           | 21.49                | 20.48      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 12RB#0           | 20.16                | 19.15      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 12RB#6           | 19.89                | 18.88      | 33.00       | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 12RB#13          | 20.07                | 19.06      | 33.00       | PASS    |



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|        |      |       |       |         |       |       |       |      |
|--------|------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 5MHz | 64QAM | 37775 | 25RB#0  | 19.96 | 18.95 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#0   | 21.18 | 20.17 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#12  | 21.12 | 20.11 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#24  | 21.63 | 20.62 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 12RB#13 | 20.00 | 18.99 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 12RB#6  | 19.98 | 18.97 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 12RB#0  | 20.09 | 19.08 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0  | 20.27 | 19.26 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#0   | 21.35 | 20.34 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#12  | 21.09 | 20.08 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#24  | 21.49 | 20.48 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 12RB#0  | 19.99 | 18.98 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 12RB#6  | 19.91 | 18.9  | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 12RB#13 | 20.03 | 19.02 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 25RB#0  | 20.16 | 19.15 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#0   | 21.92 | 20.91 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#24  | 21.85 | 20.84 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#12  | 22.07 | 21.06 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 12RB#13 | 20.89 | 19.88 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 12RB#6  | 20.59 | 19.58 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 12RB#0  | 20.73 | 19.72 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 25RB#0  | 20.56 | 19.55 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#0   | 21.92 | 20.91 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#12  | 21.87 | 20.86 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#24  | 22.36 | 21.35 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 12RB#0  | 20.65 | 19.64 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 12RB#6  | 20.75 | 19.74 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 12RB#13 | 20.84 | 19.83 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0  | 20.87 | 19.86 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#0   | 22.03 | 21.02 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#24  | 21.62 | 20.61 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#12  | 22.06 | 21.05 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 12RB#0  | 20.64 | 19.63 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#6  | 20.76 | 19.75 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 12RB#13 | 20.64 | 19.63 | 33.00 | PASS |
| Band38 | 5MHz  | 16QAM | 38225 | 25RB#0  | 20.87 | 19.86 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#49  | 22.65 | 21.64 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#24  | 22.56 | 21.55 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 1RB#0   | 23.18 | 22.17 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#12 | 21.83 | 20.82 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#0  | 21.80 | 20.79 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 25RB#25 | 21.58 | 20.57 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 37800 | 50RB#0  | 21.87 | 20.86 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#24  | 22.75 | 21.74 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#49  | 22.85 | 21.84 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 1RB#0   | 23.17 | 22.16 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#25 | 21.67 | 20.66 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#0  | 21.64 | 20.63 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 25RB#12 | 21.79 | 20.78 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38000 | 50RB#0  | 21.93 | 20.92 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#49  | 23.02 | 22.01 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#24  | 22.58 | 21.57 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 1RB#0   | 23.12 | 22.11 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#25 | 21.67 | 20.66 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#0  | 21.71 | 20.7  | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 25RB#12 | 21.90 | 20.89 | 33.00 | PASS |
| Band38 | 10MHz | QPSK  | 38200 | 50RB#0  | 21.85 | 20.84 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#24  | 21.03 | 20.02 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#49  | 20.96 | 19.95 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#0   | 21.18 | 20.17 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#0  | 20.00 | 18.99 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#12 | 19.70 | 18.69 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#25 | 19.84 | 18.83 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 50RB#0  | 19.67 | 18.66 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#49  | 21.03 | 20.02 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#0   | 20.98 | 19.97 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 10MHz | 64QAM | 38000 | 1RB#24  | 21.47 | 20.46 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#0  | 19.76 | 18.75 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#12 | 19.86 | 18.85 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#25 | 19.95 | 18.94 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0  | 19.98 | 18.97 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#0   | 21.14 | 20.13 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#49  | 20.73 | 19.72 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#24  | 21.17 | 20.16 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#25 | 19.75 | 18.74 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#0  | 19.87 | 18.86 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#12 | 19.75 | 18.74 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 50RB#0  | 19.98 | 18.97 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0   | 21.94 | 20.93 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#24  | 21.86 | 20.85 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#49  | 22.15 | 21.14 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#12 | 20.90 | 19.89 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#0  | 20.51 | 19.5  | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#25 | 20.87 | 19.86 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0  | 20.67 | 19.66 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0   | 21.92 | 20.91 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#49  | 21.90 | 20.89 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#24  | 22.41 | 21.4  | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#0  | 20.69 | 19.68 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#25 | 20.79 | 19.78 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#12 | 20.84 | 19.83 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0  | 20.97 | 19.96 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0   | 22.15 | 21.14 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#49  | 21.75 | 20.74 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#24  | 22.20 | 21.19 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#0  | 20.75 | 19.74 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#12 | 20.78 | 19.77 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#25 | 20.78 | 19.77 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0  | 20.89 | 19.88 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | QPSK  | 37825 | 1RB#74  | 22.78 | 21.77 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#38  | 22.60 | 21.59 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 1RB#0   | 23.19 | 22.18 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 36RB#39 | 21.96 | 20.95 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 36RB#18 | 21.82 | 20.81 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 36RB#0  | 21.67 | 20.66 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 37825 | 75RB#0  | 21.91 | 20.9  | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#0   | 22.87 | 21.86 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#38  | 22.92 | 21.91 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 1RB#74  | 23.19 | 22.18 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 36RB#0  | 21.79 | 20.78 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 36RB#18 | 21.71 | 20.7  | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 36RB#39 | 21.91 | 20.9  | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38000 | 75RB#0  | 21.94 | 20.93 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#0   | 23.07 | 22.06 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#38  | 22.64 | 21.63 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 1RB#74  | 23.17 | 22.16 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 36RB#0  | 21.80 | 20.79 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 36RB#18 | 21.82 | 20.81 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 36RB#39 | 21.98 | 20.97 | 33.00 | PASS |
| Band38 | 15MHz | QPSK  | 38175 | 75RB#0  | 21.99 | 20.98 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#74  | 21.05 | 20.04 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#38  | 20.97 | 19.96 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#0   | 21.26 | 20.25 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 36RB#0  | 20.01 | 19    | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 36RB#18 | 19.62 | 18.61 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 36RB#39 | 19.98 | 18.97 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 75RB#0  | 19.78 | 18.77 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#38  | 21.03 | 20.02 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#74  | 21.01 | 20    | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#0   | 21.52 | 20.51 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 36RB#39 | 19.80 | 18.79 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 36RB#0  | 19.90 | 18.89 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | 64QAM | 38000 | 36RB#18 | 19.95 | 18.94 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0  | 20.08 | 19.07 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#0   | 21.26 | 20.25 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#38  | 20.86 | 19.85 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#74  | 21.31 | 20.3  | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 36RB#18 | 19.86 | 18.85 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 36RB#0  | 19.89 | 18.88 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 36RB#39 | 19.89 | 18.88 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 75RB#0  | 20.00 | 18.99 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#38  | 21.95 | 20.94 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0   | 21.92 | 20.91 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#74  | 22.24 | 21.23 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 36RB#0  | 21.04 | 20.03 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 36RB#39 | 20.64 | 19.63 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 36RB#18 | 20.90 | 19.89 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0  | 20.74 | 19.73 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#38  | 22.05 | 21.04 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#74  | 21.97 | 20.96 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0   | 22.50 | 21.49 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 36RB#0  | 20.81 | 19.8  | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 36RB#18 | 20.84 | 19.83 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 36RB#39 | 20.91 | 19.9  | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0  | 21.06 | 20.05 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0   | 22.18 | 21.17 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#38  | 21.86 | 20.85 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#74  | 22.27 | 21.26 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 36RB#0  | 20.75 | 19.74 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 36RB#18 | 20.80 | 19.79 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 36RB#39 | 20.81 | 19.8  | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0  | 20.94 | 19.93 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#0   | 22.86 | 21.85 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#49  | 22.67 | 21.66 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 1RB#99  | 23.27 | 22.26 | 33.00 | PASS |





|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 20MHz | QPSK  | 37850 | 50RB#25 | 21.97 | 20.96 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#0  | 21.94 | 20.93 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 50RB#50 | 21.67 | 20.66 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | 21.92 | 20.91 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#99  | 22.99 | 21.98 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#0   | 22.97 | 21.96 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 1RB#49  | 23.33 | 22.32 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#0  | 21.86 | 20.85 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#25 | 21.79 | 20.78 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 50RB#50 | 22.01 | 21    | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | 21.99 | 20.98 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#49  | 23.10 | 22.09 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#0   | 22.78 | 21.77 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 1RB#99  | 23.20 | 22.19 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#25 | 21.88 | 20.87 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#0  | 21.83 | 20.82 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 50RB#50 | 21.98 | 20.97 | 33.00 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | 21.99 | 20.98 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#0   | 21.06 | 20.05 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#49  | 21.03 | 20.02 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#99  | 21.35 | 20.34 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#50 | 20.15 | 19.14 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#0  | 19.75 | 18.74 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#25 | 20.01 | 19    | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | 19.85 | 18.84 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#0   | 21.16 | 20.15 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#49  | 21.08 | 20.07 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#99  | 21.61 | 20.6  | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#0  | 19.92 | 18.91 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#25 | 19.95 | 18.94 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#50 | 20.02 | 19.01 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 20.17 | 19.16 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#99  | 21.29 | 20.28 | 33.00 | PASS |



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|        |       |       |       |         |       |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 20MHz | 64QAM | 38150 | 1RB#0   | 20.97 | 19.96 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#49  | 21.38 | 20.37 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#0  | 19.86 | 18.85 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#50 | 19.91 | 18.9  | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#25 | 19.92 | 18.91 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 20.05 | 19.04 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0   | 22.07 | 21.06 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#49  | 21.94 | 20.93 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#99  | 22.38 | 21.37 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#0  | 21.05 | 20.04 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#25 | 20.78 | 19.77 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#50 | 20.96 | 19.95 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 20.85 | 19.84 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0   | 22.07 | 21.06 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#99  | 22.01 | 21    | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#49  | 22.52 | 21.51 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#0  | 20.89 | 19.88 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#25 | 20.87 | 19.86 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#50 | 20.98 | 19.97 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 21.16 | 20.15 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0   | 22.24 | 21.23 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#99  | 21.98 | 20.97 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#49  | 22.38 | 21.37 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#50 | 20.88 | 19.87 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#25 | 20.80 | 19.79 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#0  | 20.92 | 19.91 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 21.05 | 20.04 | 33.00 | PASS |

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



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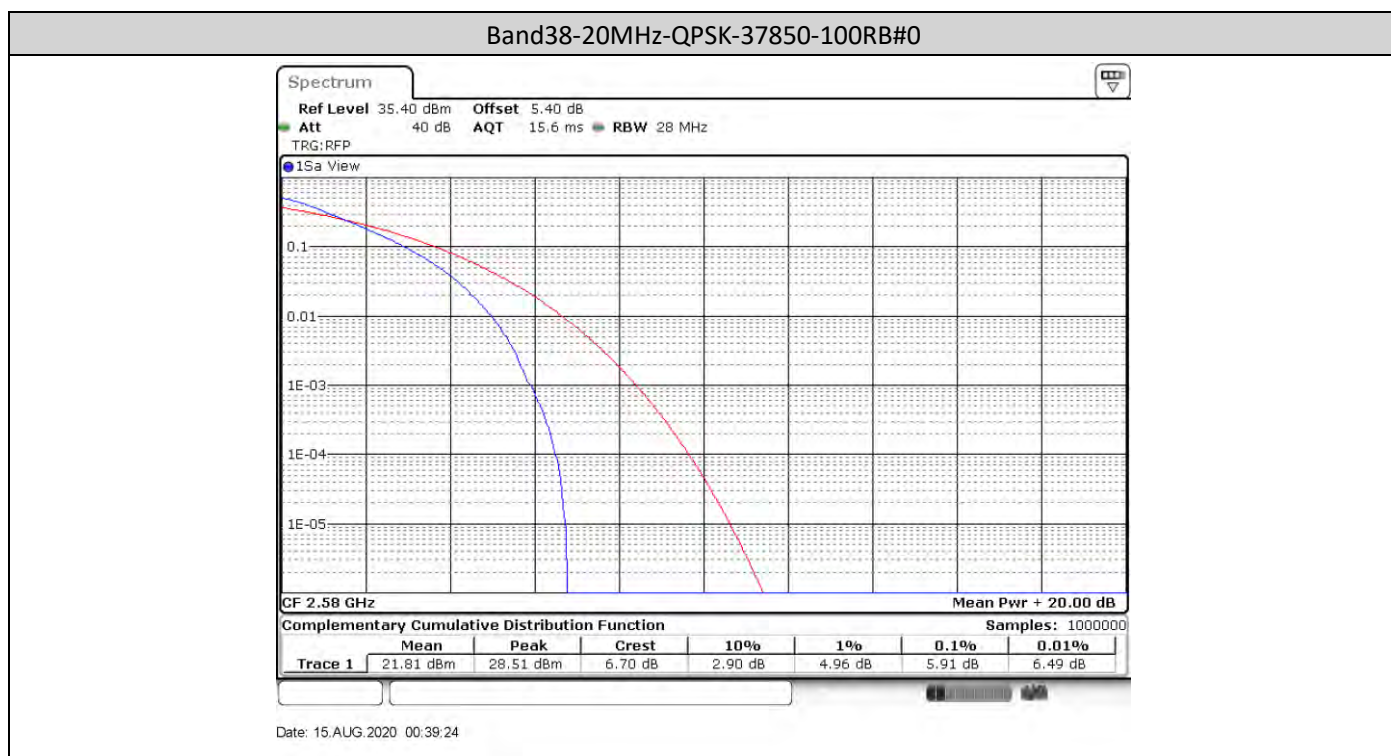


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 5.91       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | 8.61       | 13        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | 8.43       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0          | 8.46       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0          | 9.88       | 13        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0          | 9.71       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0          | 9.54       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0          | 9.36       | 13        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0          | 9.13       | 13        | PASS    |

### 2.2. Test Plots

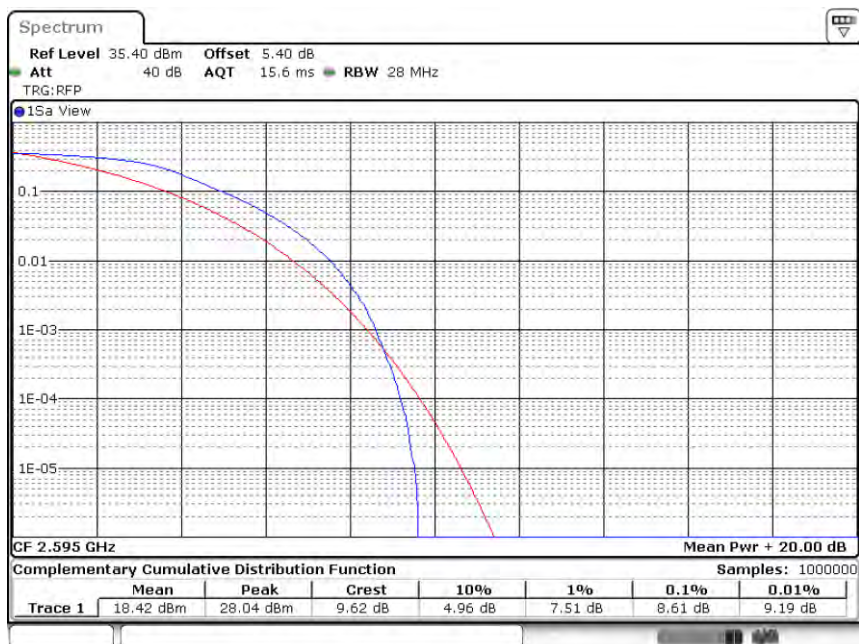


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Band38-20MHz-QPSK-38000-100RB#0



Date: 15.AUG.2020 00:39:47

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



Date: 15.AUG.2020 00:40:10

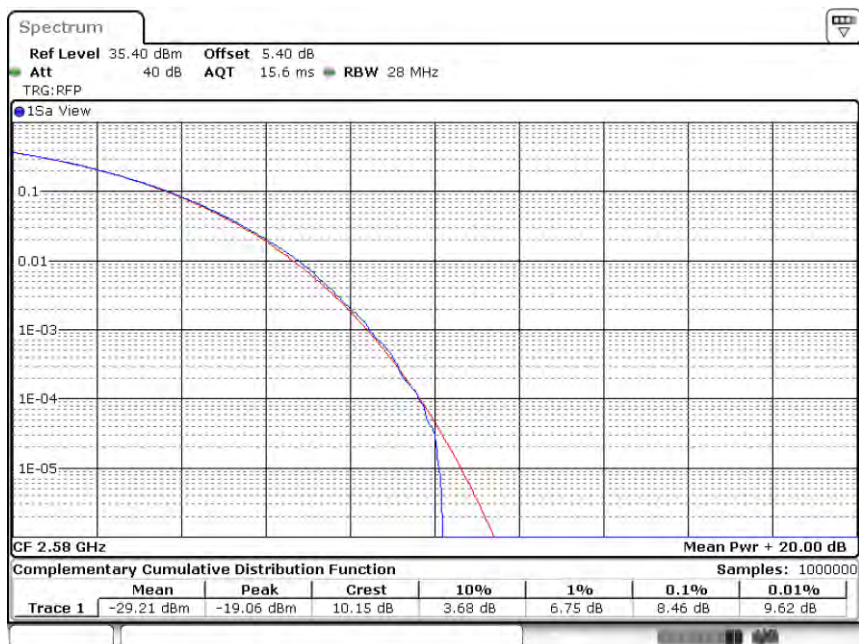


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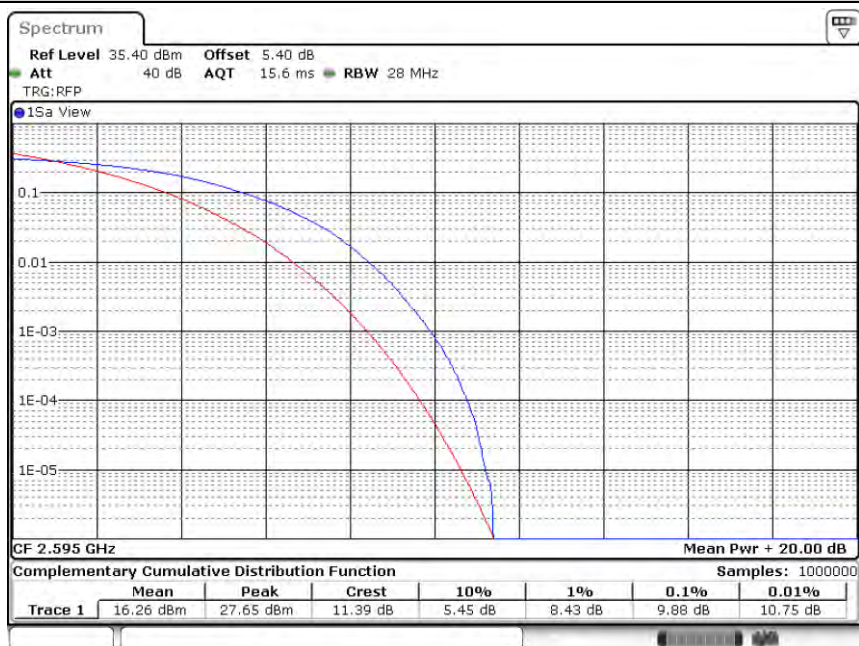


Band38-20MHz-64QAM-37850-100RB#0



Date: 15.AUG.2020 02:47:35

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



Date: 15.AUG.2020 02:47:47

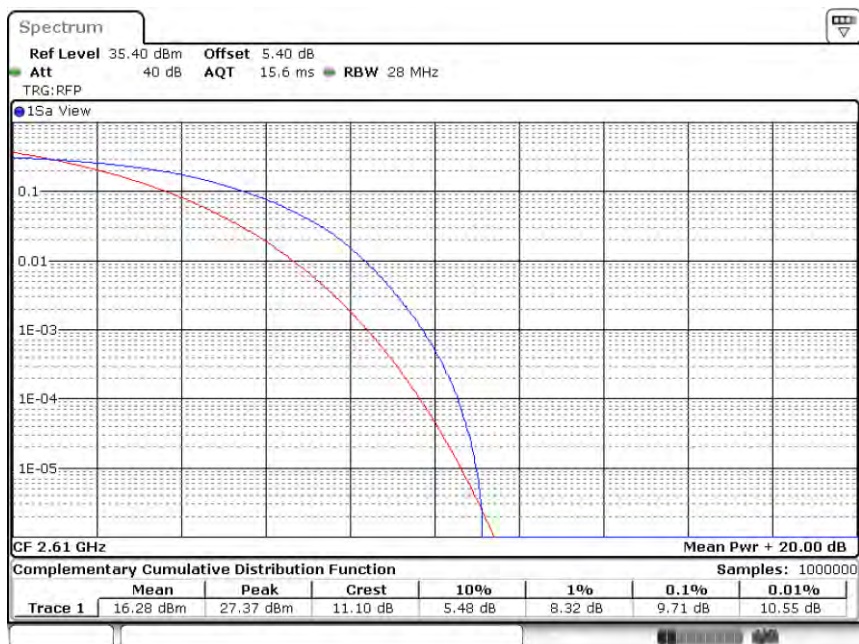


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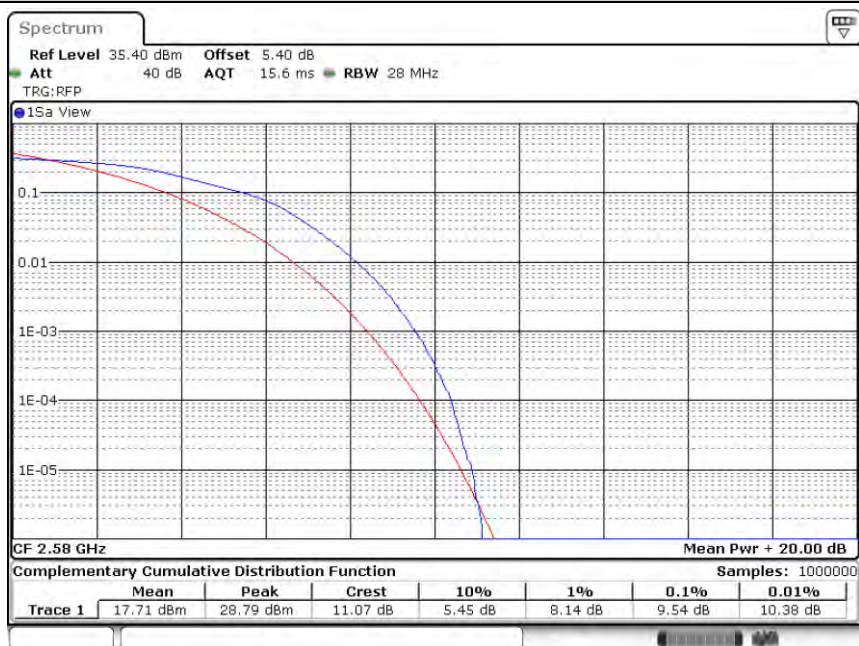


Band38-20MHz-64QAM-38150-100RB#0



Date: 15.AUG.2020 02:47:58

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



Date: 15.AUG.2020 00:39:36

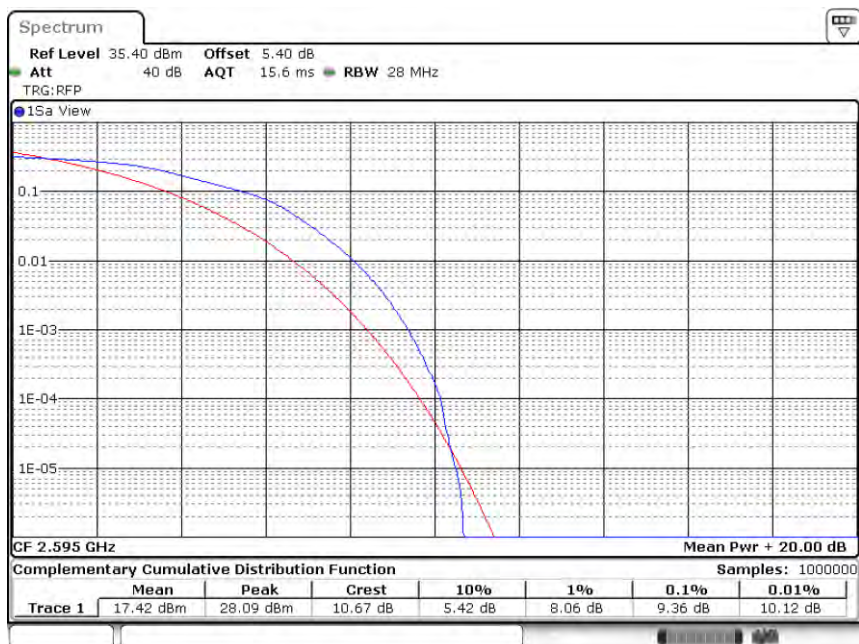


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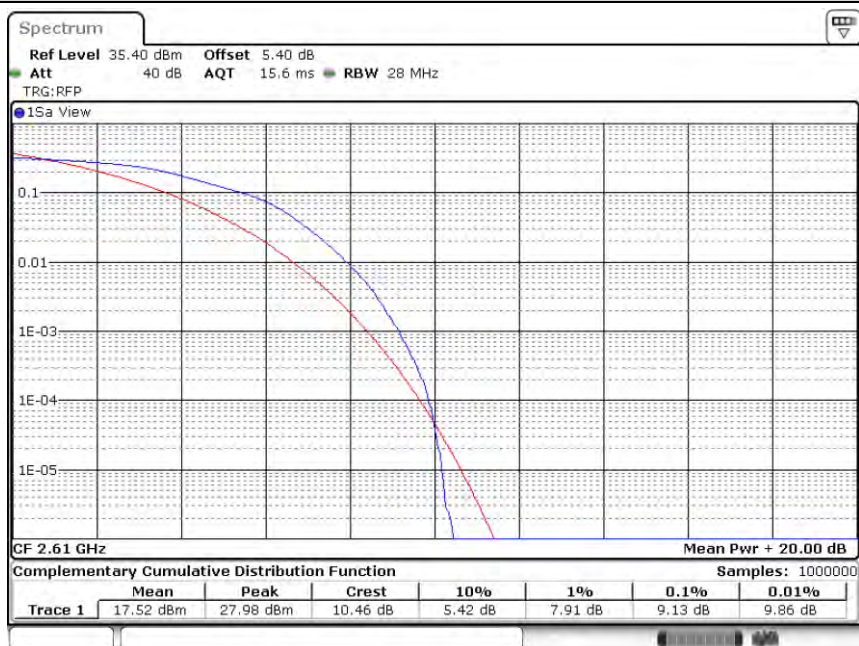


Band38-20MHz-16QAM-38000-100RB#0



Date: 15.AUG.2020 00:39:59

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



Date: 15.AUG.2020 00:40:22

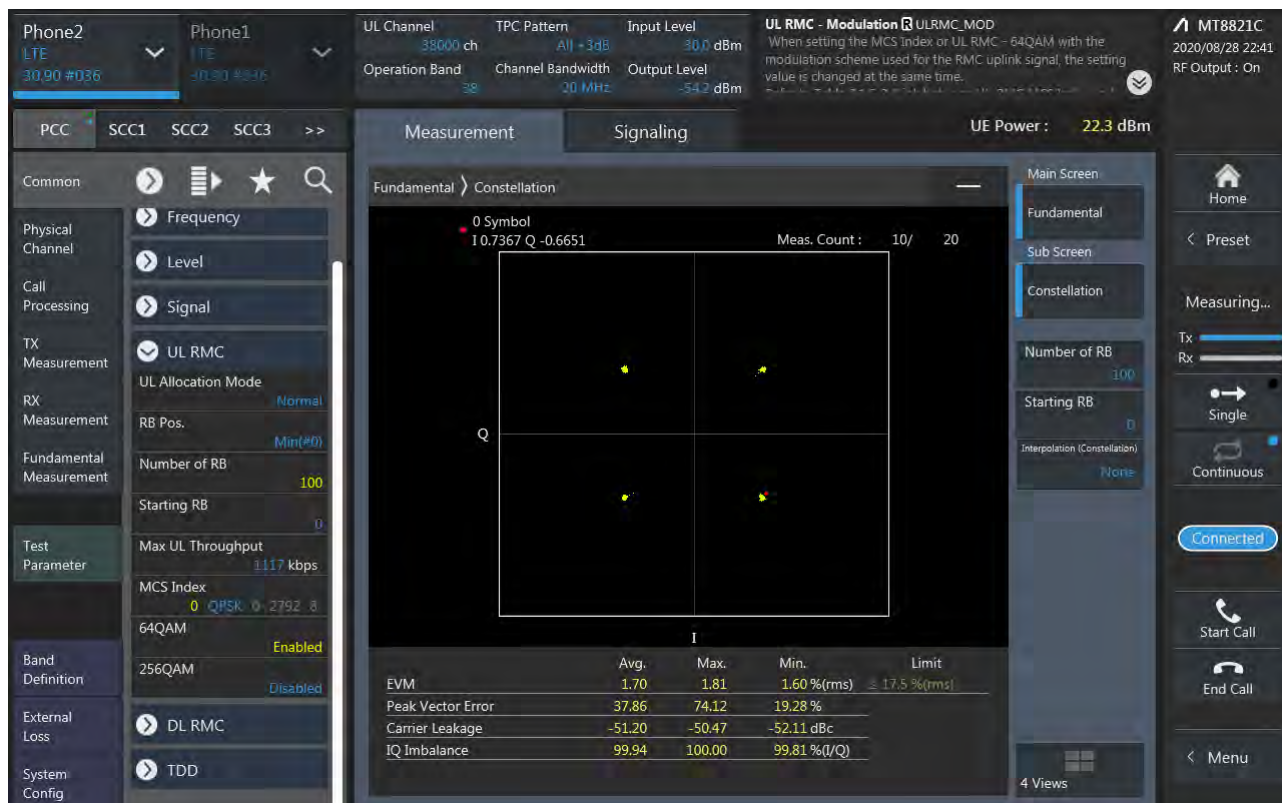




### 3. Modulation Characteristics

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

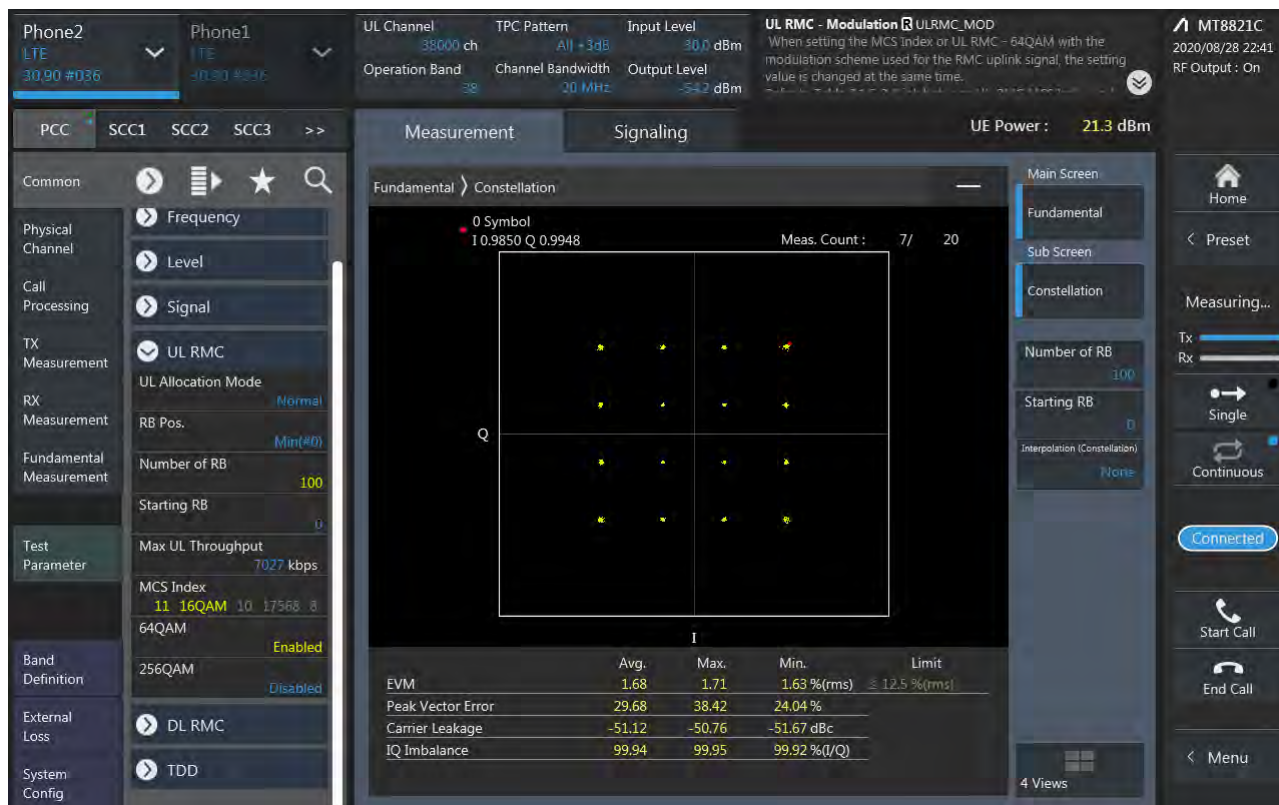
##### 3.1.1. Test Channel = MCH





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

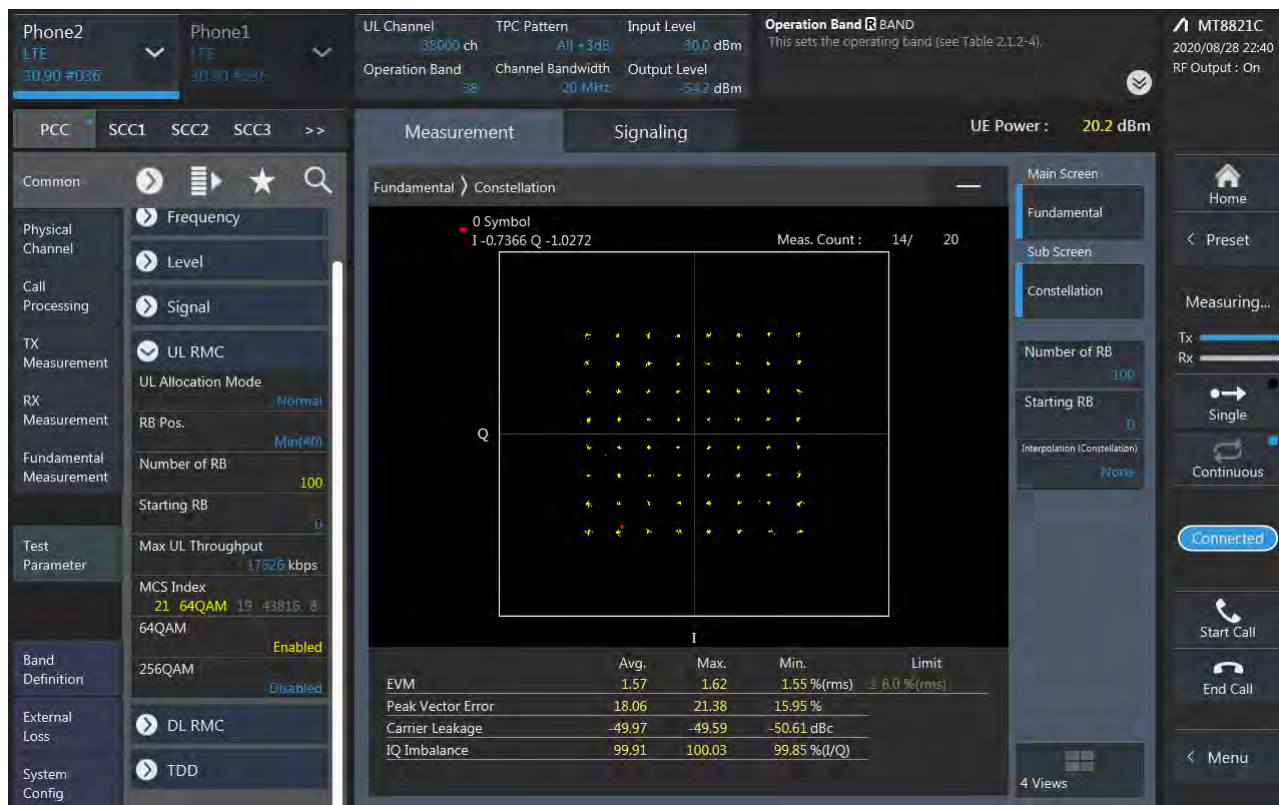
### 3.2.1. Test Channel = MCH





### 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           | 4.476                    | 4.980                | PASS    |
| Band38 | 5MHz      | QPSK       | 38000   | 25RB#0           | 4.476                    | 4.990                | PASS    |
| Band38 | 5MHz      | QPSK       | 38225   | 25RB#0           | 4.476                    | 5.010                | PASS    |
| Band38 | 5MHz      | 64QAM      | 37775   | 25RB#0           | 4.486                    | 5.150                | PASS    |
| Band38 | 5MHz      | 64QAM      | 38000   | 25RB#0           | 4.486                    | 5.100                | PASS    |
| Band38 | 5MHz      | 64QAM      | 38225   | 25RB#0           | 4.486                    | 5.100                | PASS    |
| Band38 | 5MHz      | 16QAM      | 37775   | 25RB#0           | 4.496                    | 4.950                | PASS    |
| Band38 | 5MHz      | 16QAM      | 38000   | 25RB#0           | 4.496                    | 4.940                | PASS    |
| Band38 | 5MHz      | 16QAM      | 38225   | 25RB#0           | 4.496                    | 4.960                | PASS    |
| Band38 | 10MHz     | QPSK       | 37800   | 50RB#0           | 8.911                    | 9.740                | PASS    |
| Band38 | 10MHz     | QPSK       | 38000   | 50RB#0           | 8.911                    | 9.740                | PASS    |
| Band38 | 10MHz     | QPSK       | 38200   | 50RB#0           | 8.911                    | 9.760                | PASS    |
| Band38 | 10MHz     | 64QAM      | 37800   | 50RB#0           | 8.931                    | 9.800                | PASS    |
| Band38 | 10MHz     | 64QAM      | 38000   | 50RB#0           | 8.931                    | 9.800                | PASS    |
| Band38 | 10MHz     | 64QAM      | 38200   | 50RB#0           | 8.931                    | 9.800                | PASS    |
| Band38 | 10MHz     | 16QAM      | 37800   | 50RB#0           | 8.911                    | 9.640                | PASS    |
| Band38 | 10MHz     | 16QAM      | 38000   | 50RB#0           | 8.911                    | 9.660                | PASS    |
| Band38 | 10MHz     | 16QAM      | 38200   | 50RB#0           | 8.911                    | 9.640                | PASS    |
| Band38 | 15MHz     | QPSK       | 37825   | 75RB#0           | 13.516                   | 16.260               | PASS    |
| Band38 | 15MHz     | QPSK       | 38000   | 75RB#0           | 13.516                   | 16.050               | PASS    |
| Band38 | 15MHz     | QPSK       | 38175   | 75RB#0           | 13.487                   | 16.410               | PASS    |
| Band38 | 15MHz     | 64QAM      | 37825   | 75RB#0           | 13.457                   | 14.910               | PASS    |
| Band38 | 15MHz     | 64QAM      | 38000   | 75RB#0           | 13.457                   | 14.850               | PASS    |
| Band38 | 15MHz     | 64QAM      | 38175   | 75RB#0           | 13.457                   | 14.970               | PASS    |
| Band38 | 15MHz     | 16QAM      | 37825   | 75RB#0           | 13.487                   | 15.240               | PASS    |
| Band38 | 15MHz     | 16QAM      | 38000   | 75RB#0           | 13.487                   | 15.060               | PASS    |
| Band38 | 15MHz     | 16QAM      | 38175   | 75RB#0           | 13.457                   | 15.060               | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0          | 17.942                   | 19.720               | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0          | 17.942                   | 19.600               | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0          | 17.942                   | 19.920               | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0          | 17.902                   | 19.520               | PASS    |



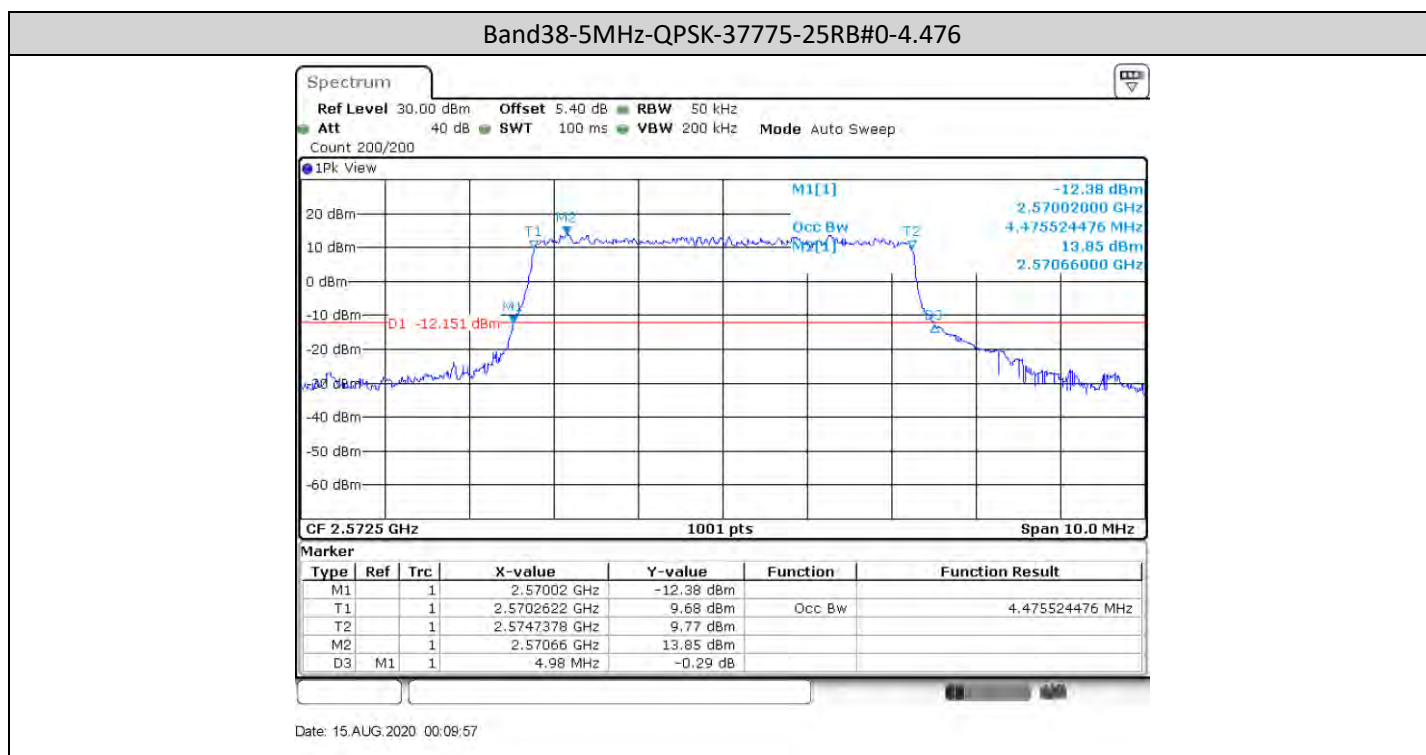
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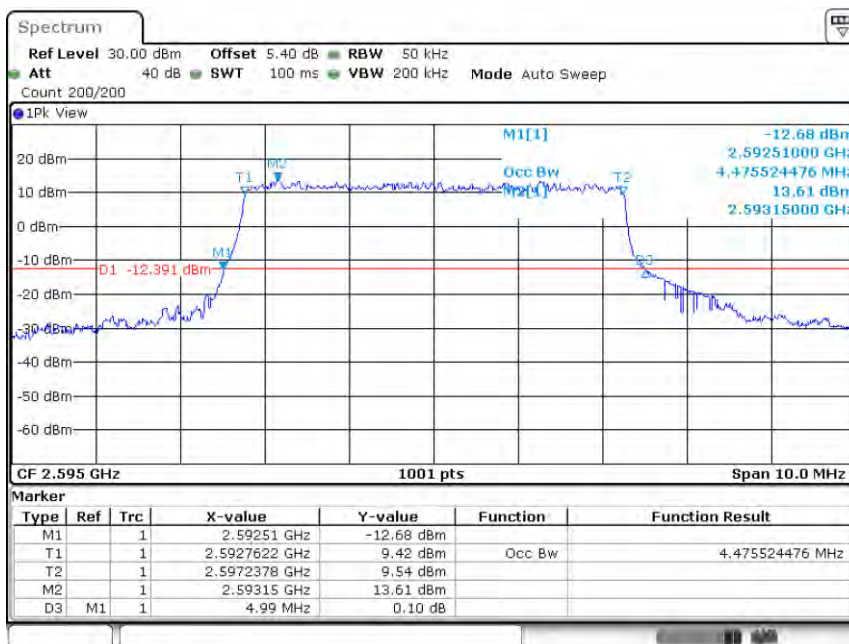
|        |       |       |       |         |        |        |      |
|--------|-------|-------|-------|---------|--------|--------|------|
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 17.942 | 19.480 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 17.902 | 19.600 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 17.902 | 20.280 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 17.942 | 20.000 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 17.902 | 20.120 | PASS |

## 4.2. Test Plots



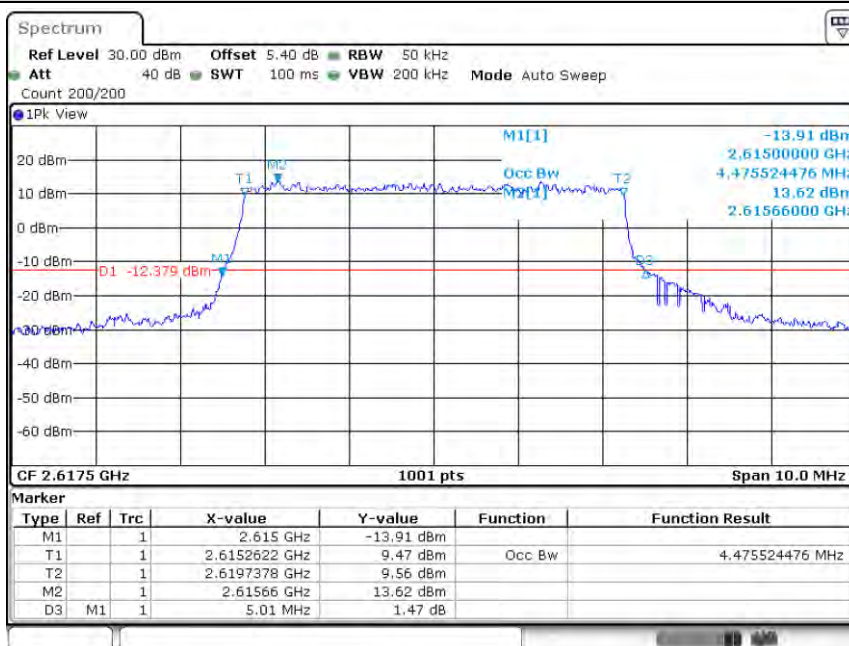


Band38-5MHz-QPSK-38000-25RB#0-4.476



Date: 15.AUG.2020 00:11:03

Band38-5MHz-QPSK-38225-25RB#0-4.476



Date: 15.AUG.2020 00:12:09

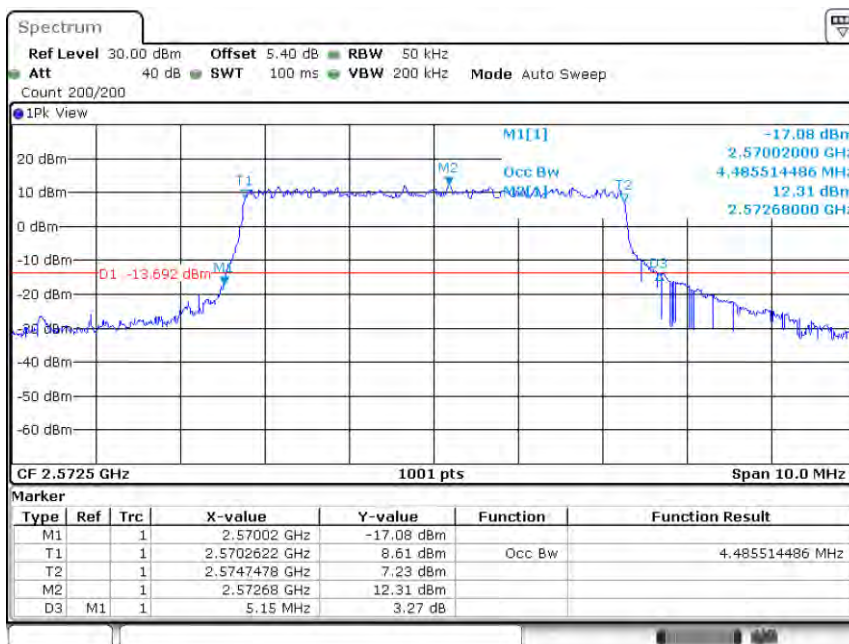


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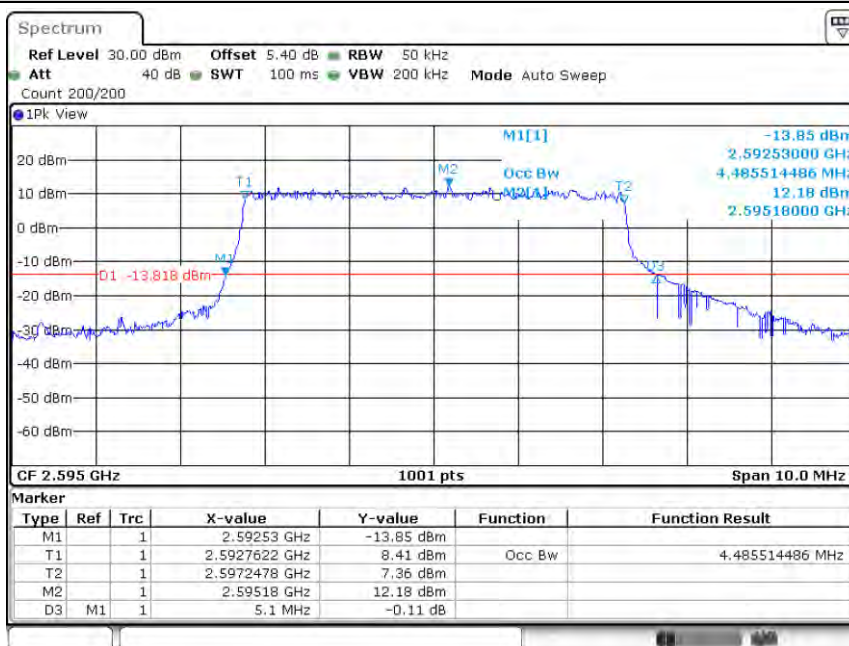


Band38-5MHz-64QAM-37775-25RB#0-4.486



Date: 15.AUG.2020 02:32:00

Band38-5MHz-64QAM-38000-25RB#0-4.486



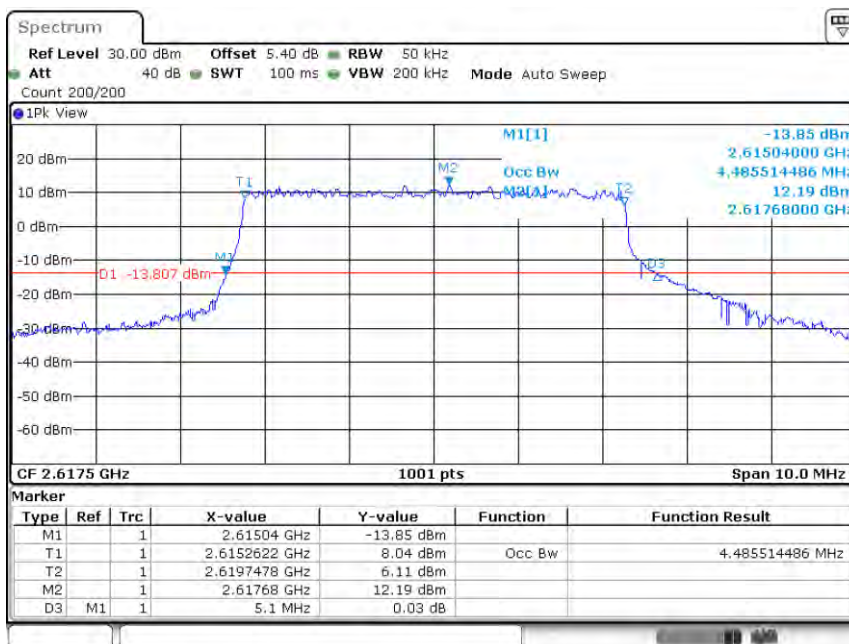
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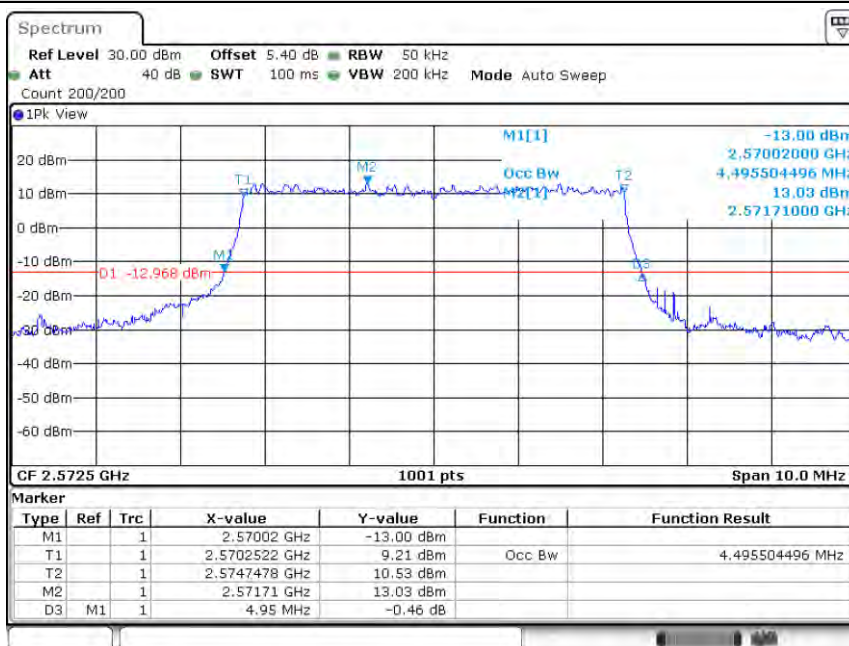
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## Band38-5MHz-64QAM-38225-25RB#0-4.486



Date: 15.AUG.2020 02:33:07

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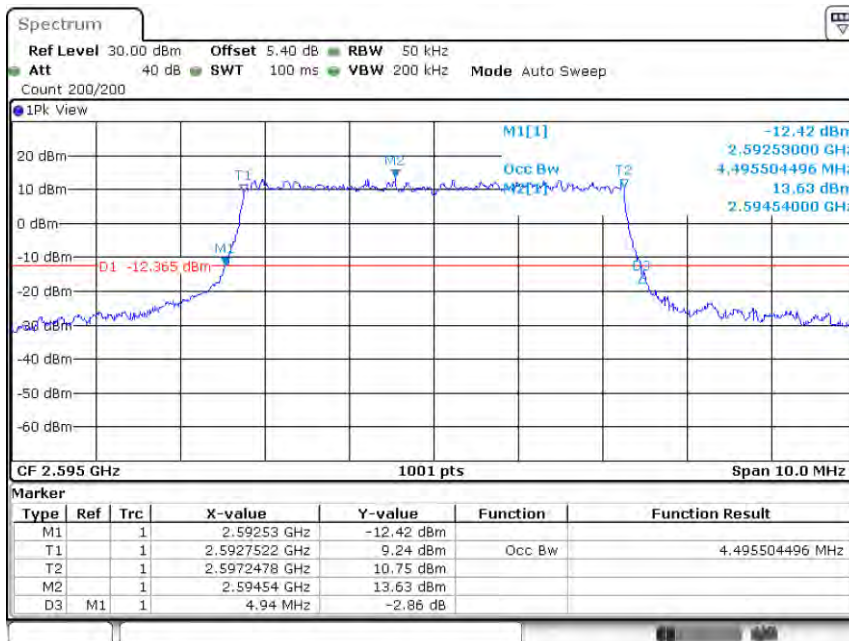


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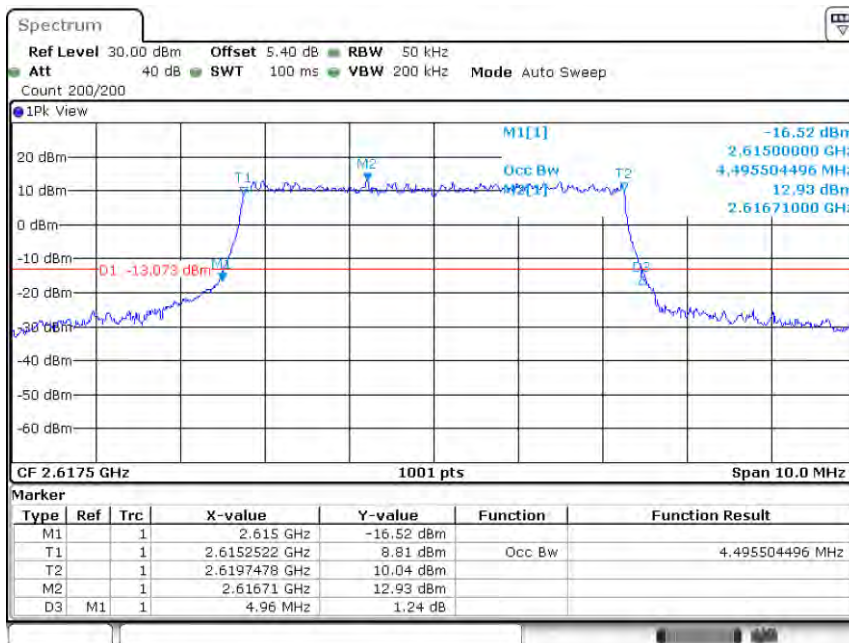


Band38-5MHz-16QAM-38000-25RB#0-4.496



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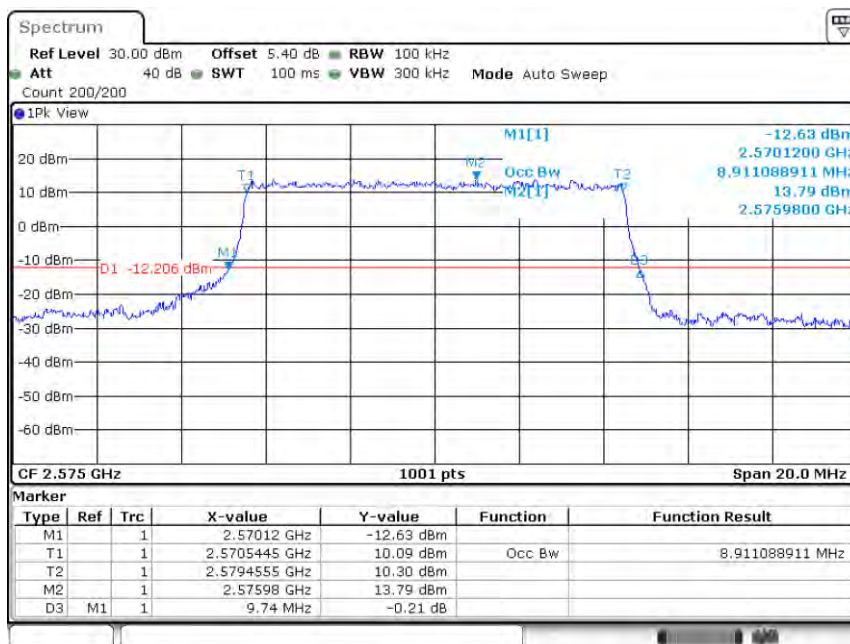


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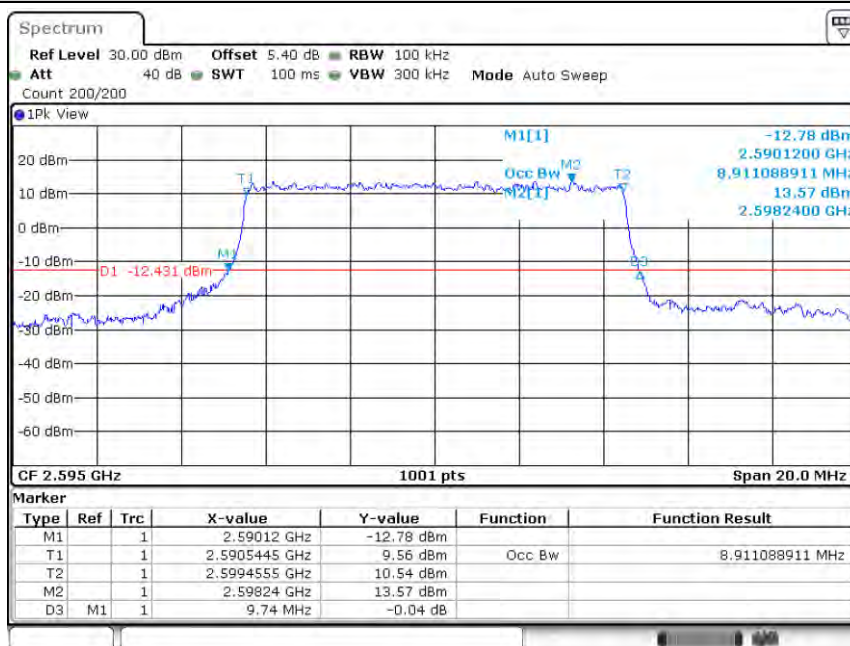


Band38-10MHz-QPSK-37800-50RB#0-8.911



Date: 15.AUG.2020 00:13:20

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



Date: 15.AUG.2020 00:14:26

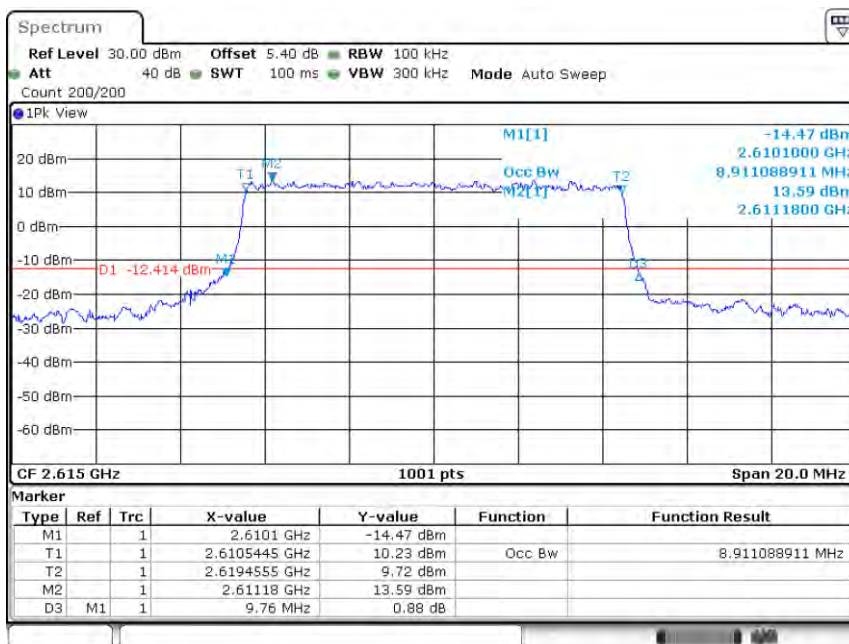


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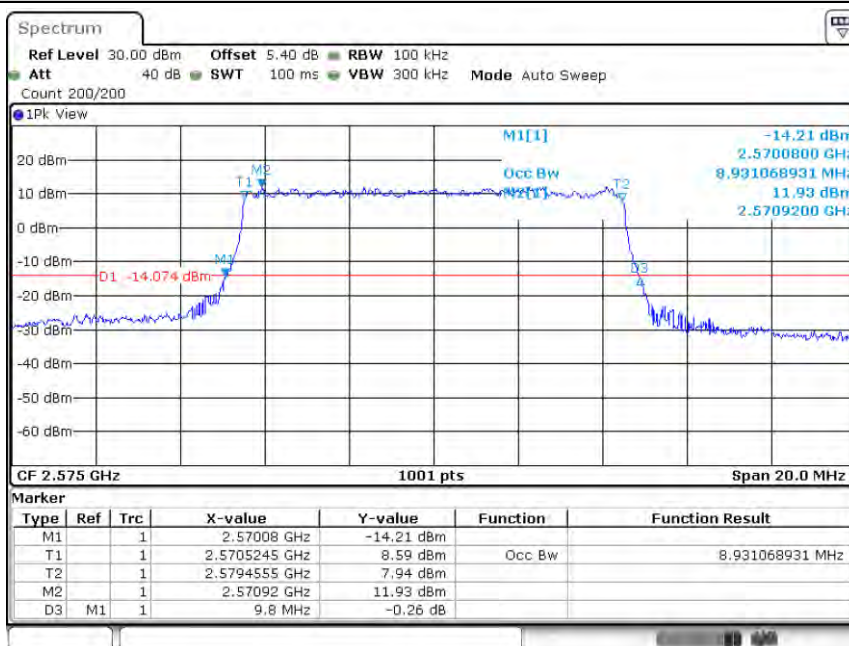


Band38-10MHz-QPSK-38200-50RB#0-8.911



Date: 15.AUG.2020 00:15:32

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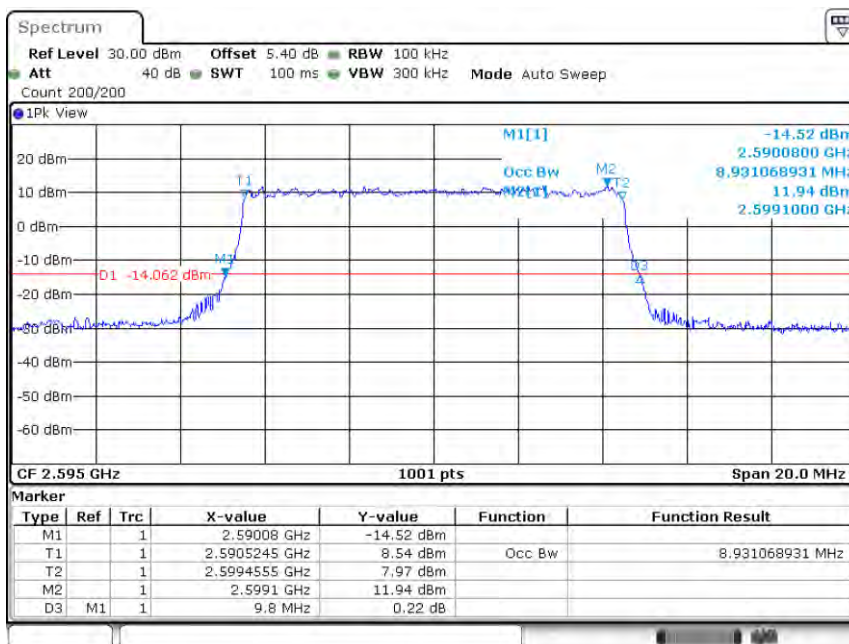
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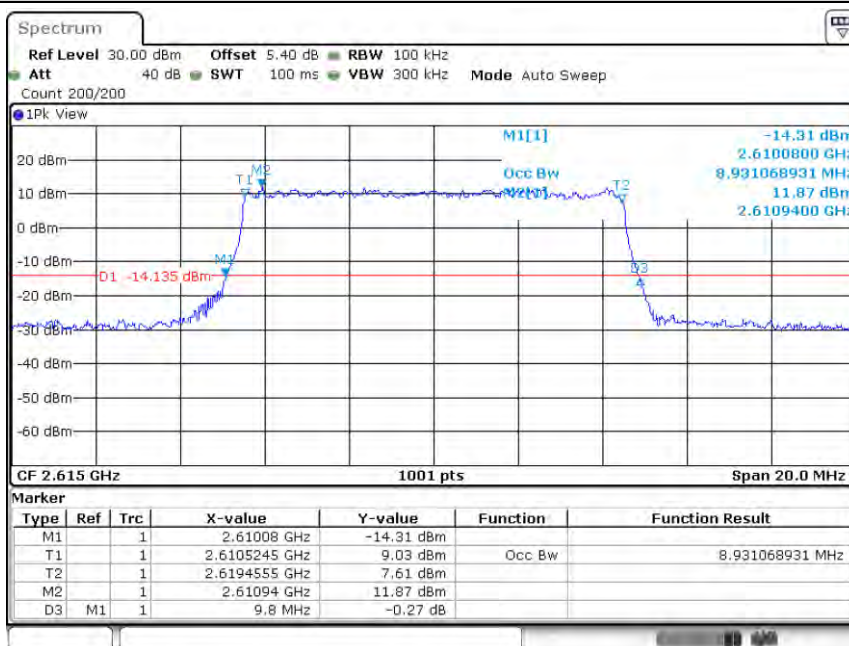
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## Band38-10MHz-64QAM-38000-50RB#0-8.931



Date: 15.AUG.2020 02:34:20

## Band38-10MHz-64QAM-38200-50RB#0-8.931

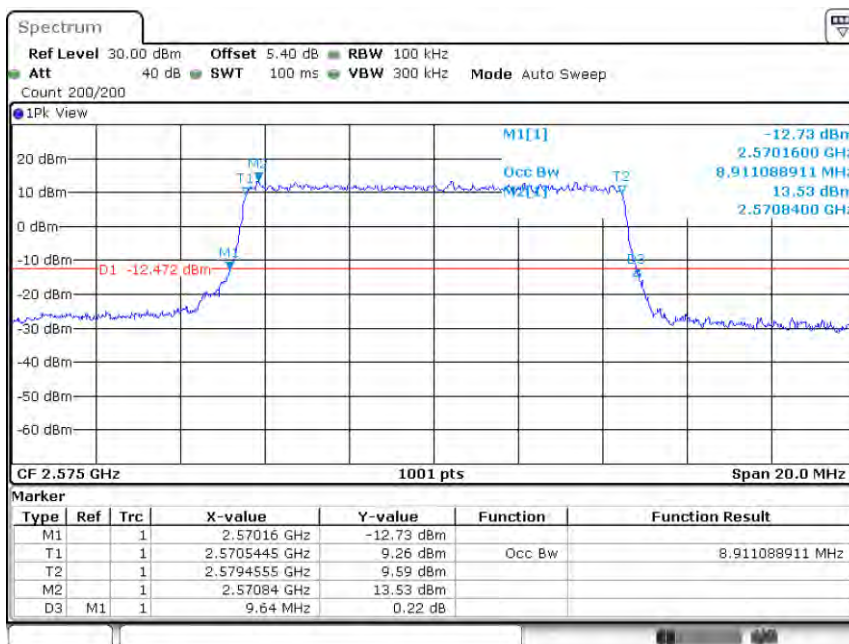


Date: 15.AUG.2020 02:34:53



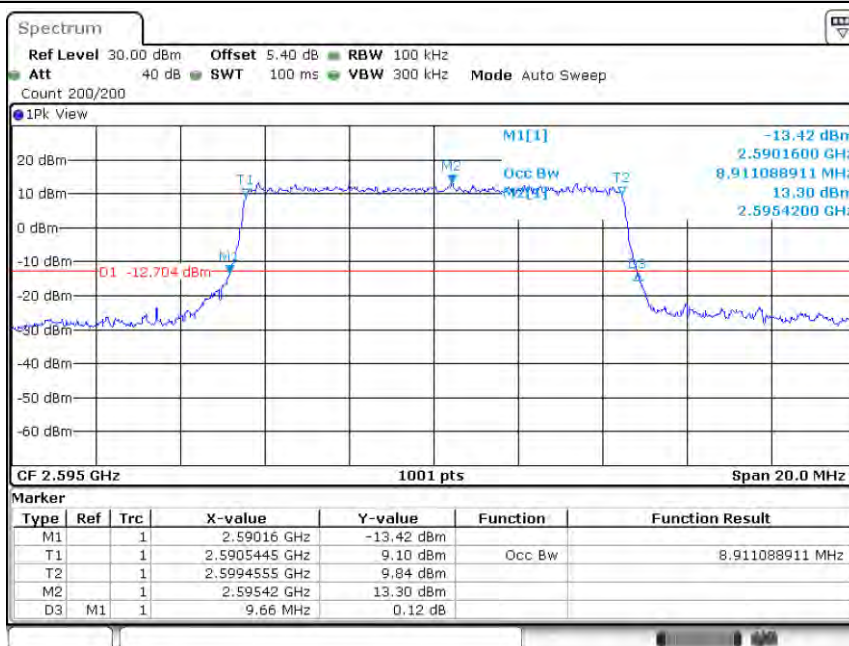


Band38-10MHz-16QAM-37800-50RB#0-8.911



Date: 15.AUG.2020 00:13:53

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



Date: 15.AUG.2020 00:14:59

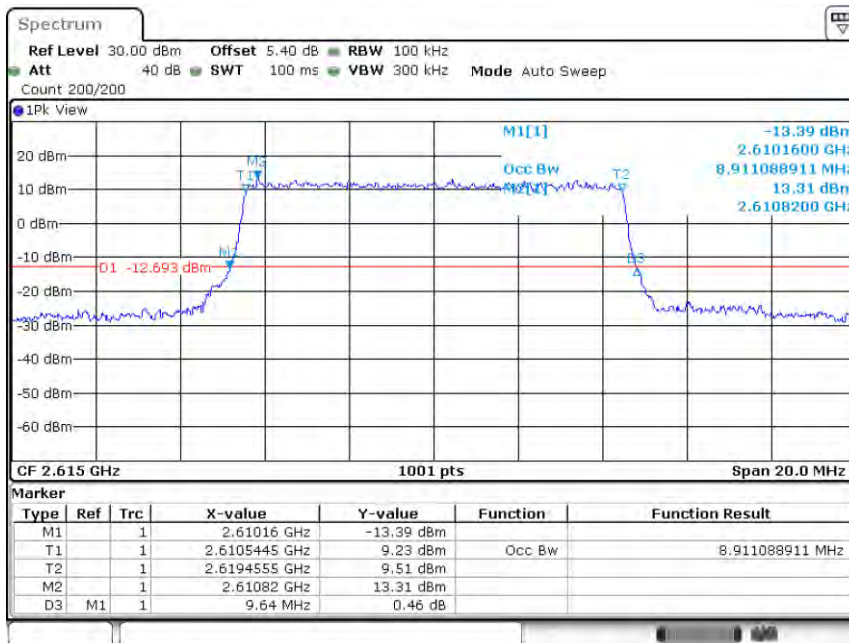


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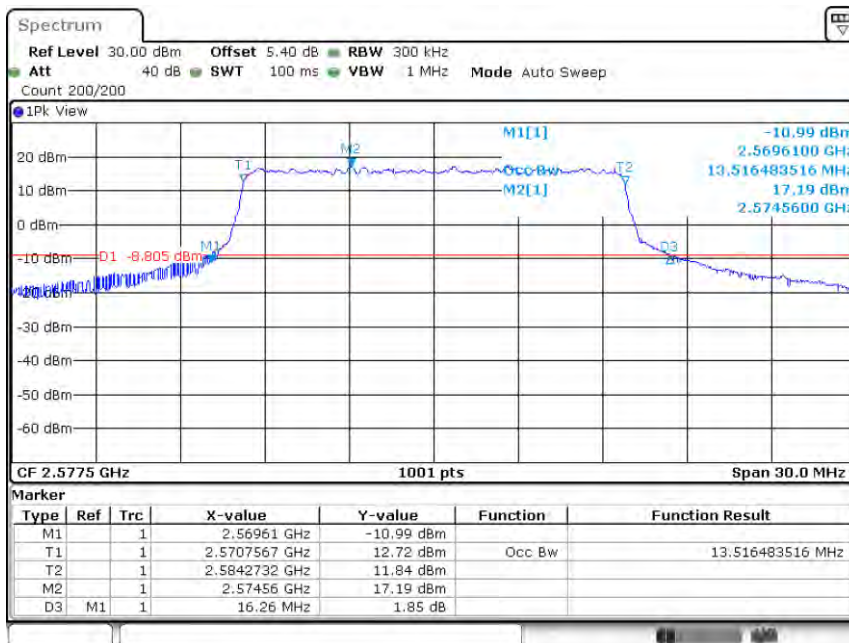


Band38-10MHz-16QAM-38200-50RB#0-8.911



Date: 15.AUG.2020 00:16:05

Band38-15MHz-QPSK-37825-75RB#0-13.516



Date: 21.AUG.2020 14:37:48

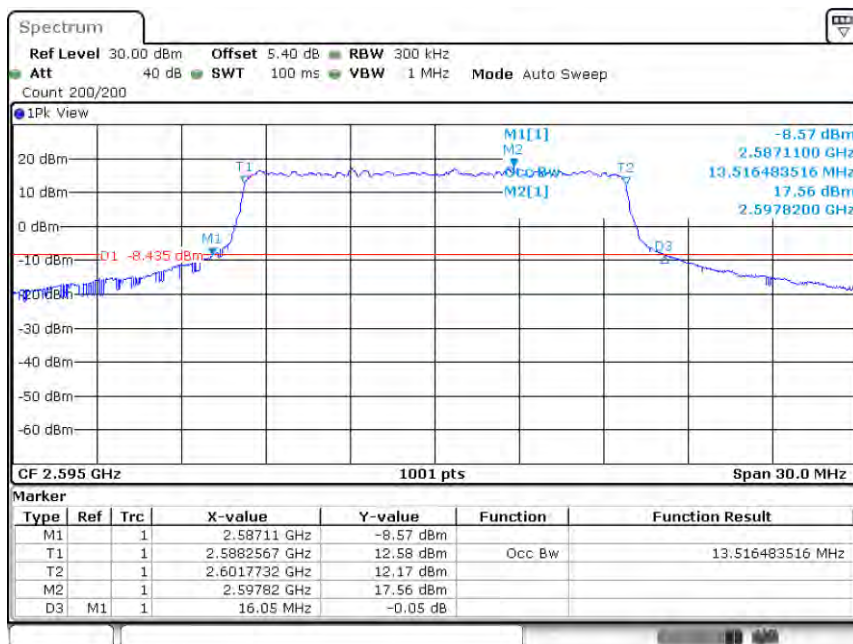


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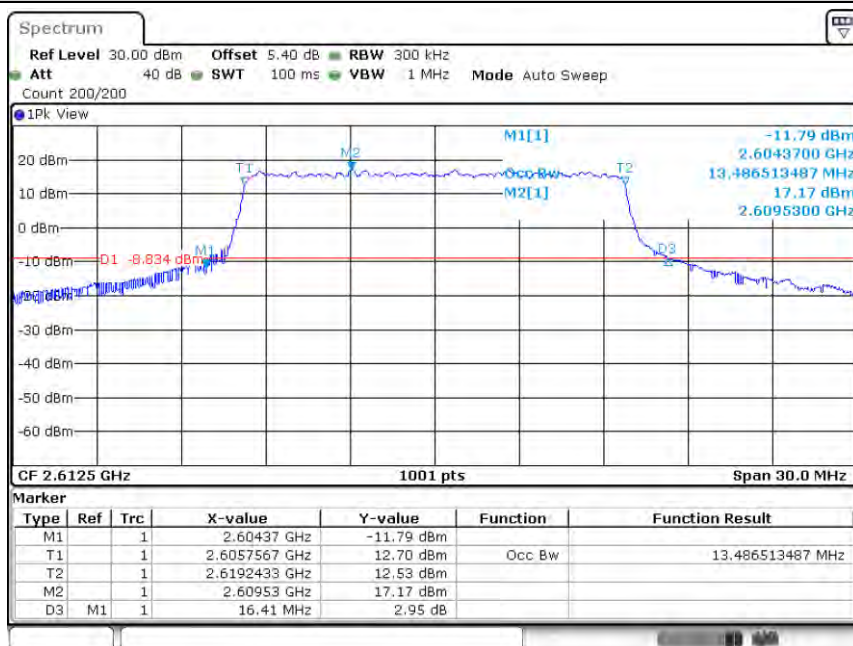
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## Band38-15MHz-QPSK-38000-75RB#0-13.516



Date: 21.AUG.2020 14:40:17

## Band38-15MHz-QPSK-38175-75RB#0-13.487

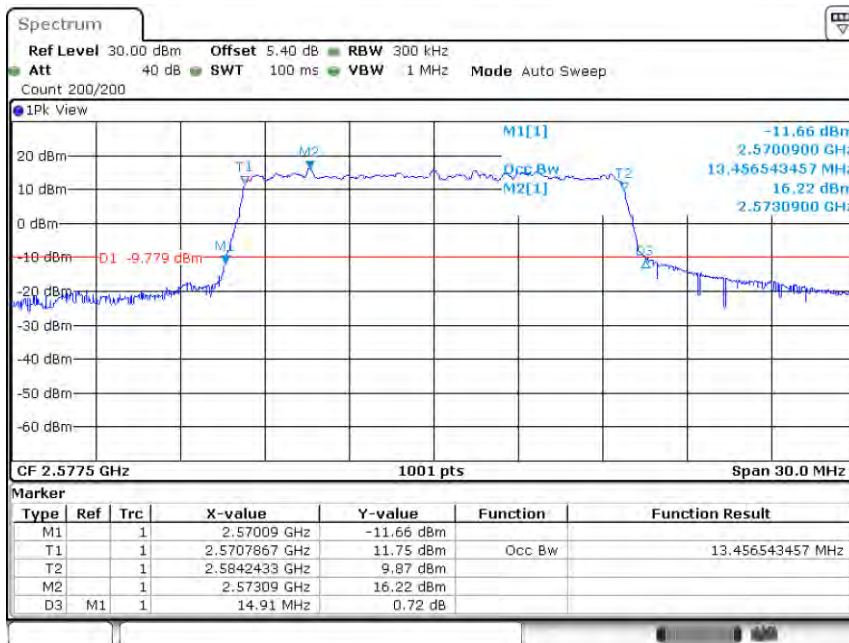


Date: 21.AUG.2020 14:42:04



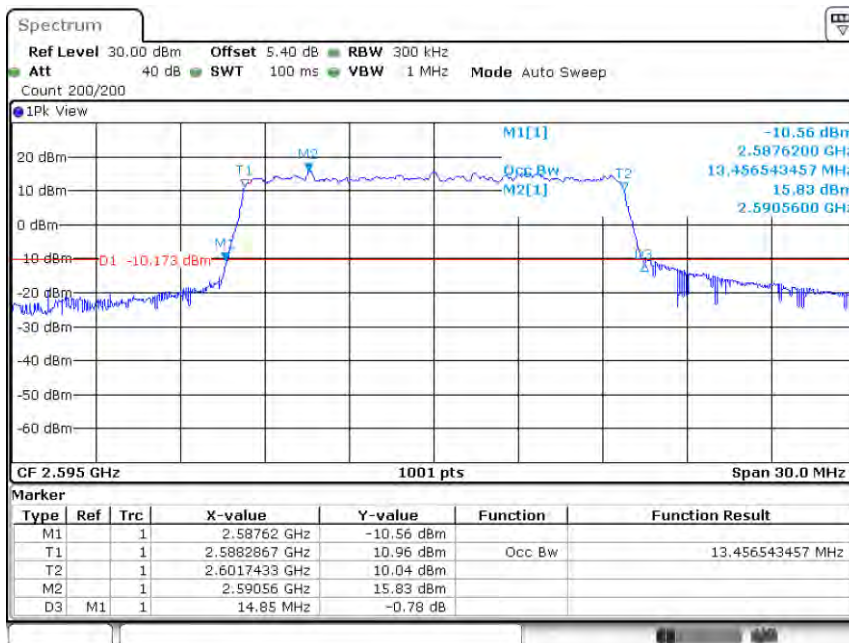


Band38-15MHz-64QAM-37825-75RB#0-13.457



Date: 15.AUG.2020 02:35:33

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



Date: 15.AUG.2020 02:36:06

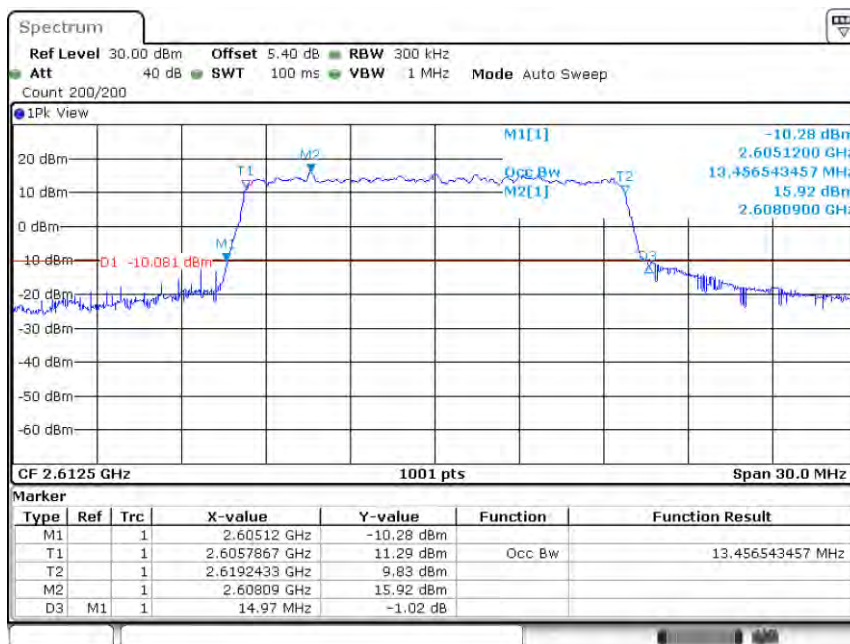


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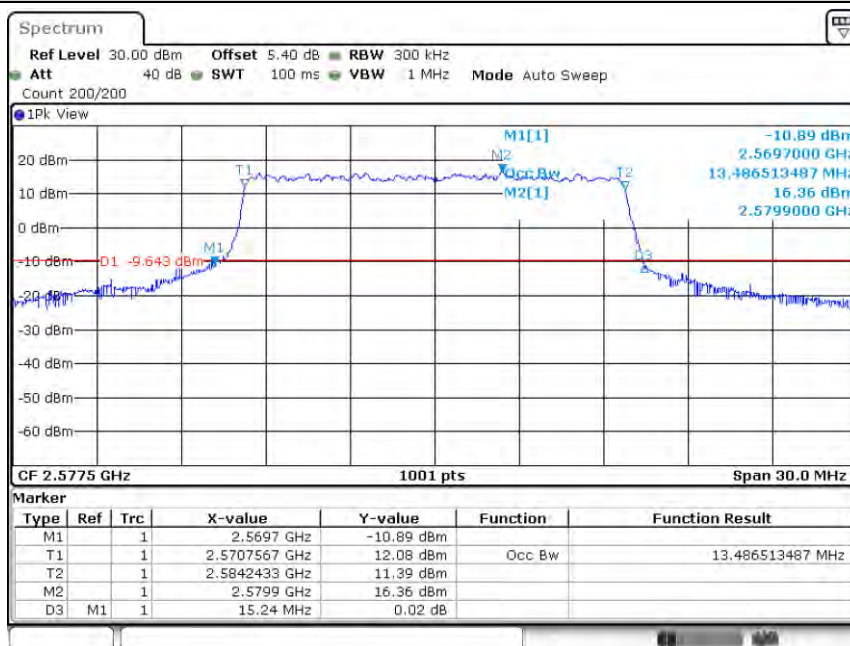


Band38-15MHz-64QAM-38175-75RB#0-13.457



Date: 15.AUG.2020 02:36:39

Band38-15MHz-16QAM-37825-75RB#0-13.487



Date: 21.AUG.2020 14:38:21

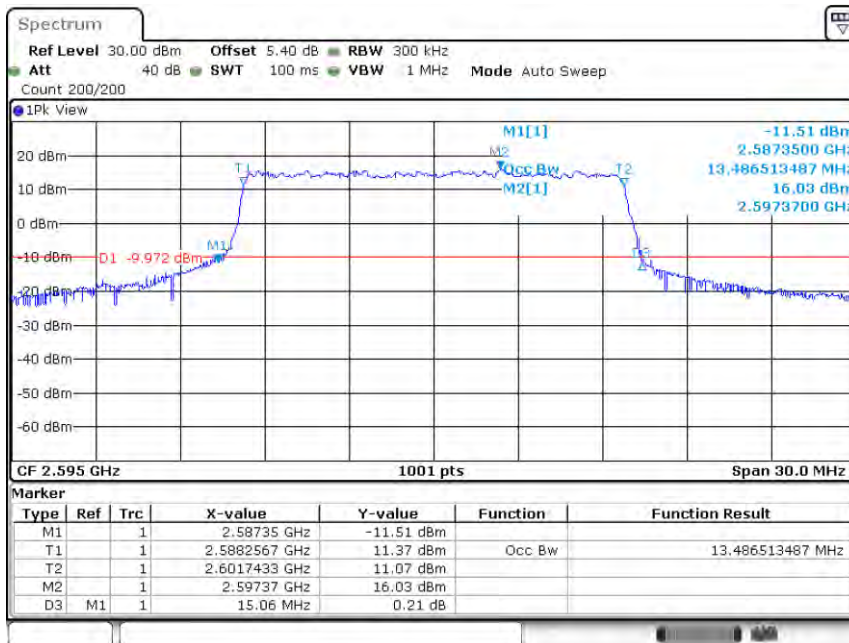


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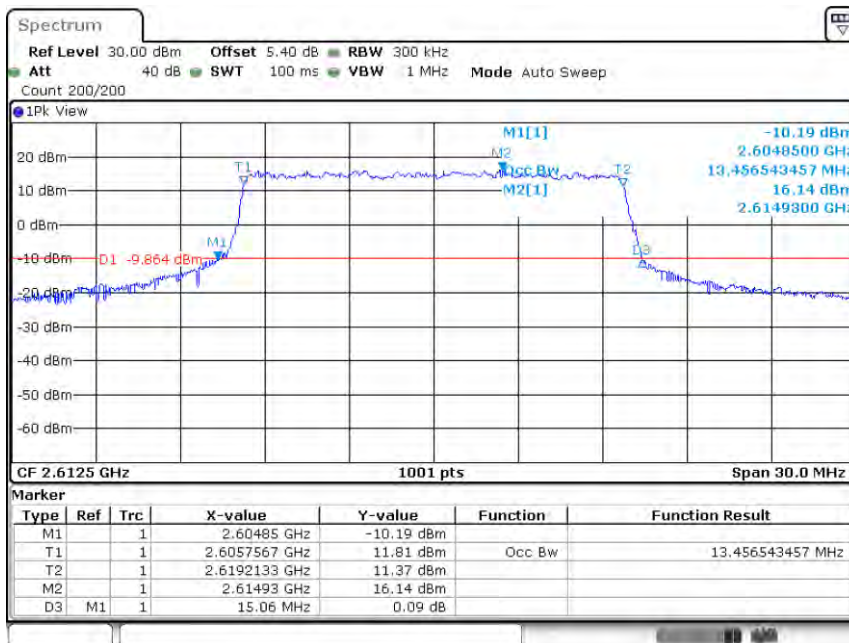


Band38-15MHz-16QAM-38000-75RB#0-13.487



Date: 21.AUG.2020 14:40:50

Band38-15MHz-16QAM-38175-75RB#0-13.457



Date: 21.AUG.2020 14:42:37

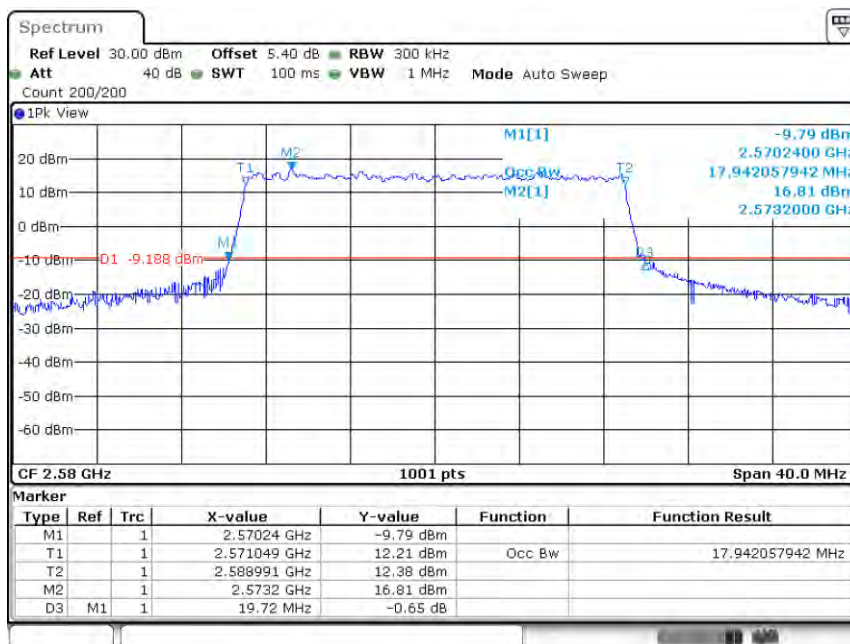


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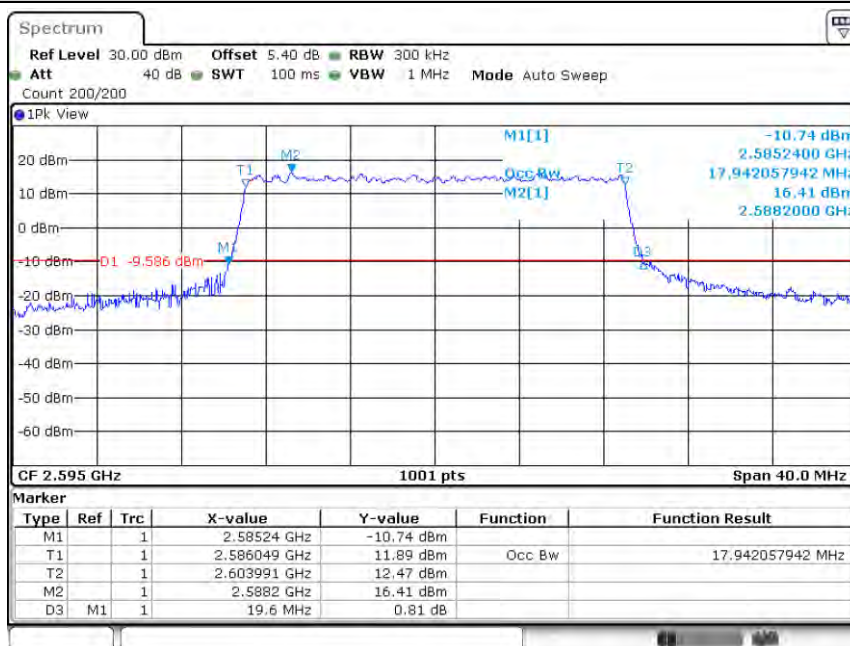


Band38-20MHz-QPSK-37850-100RB#0-17.942



Date: 15.AUG.2020 00:20:08

Band38-20MHz-QPSK-38000-100RB#0-17.942



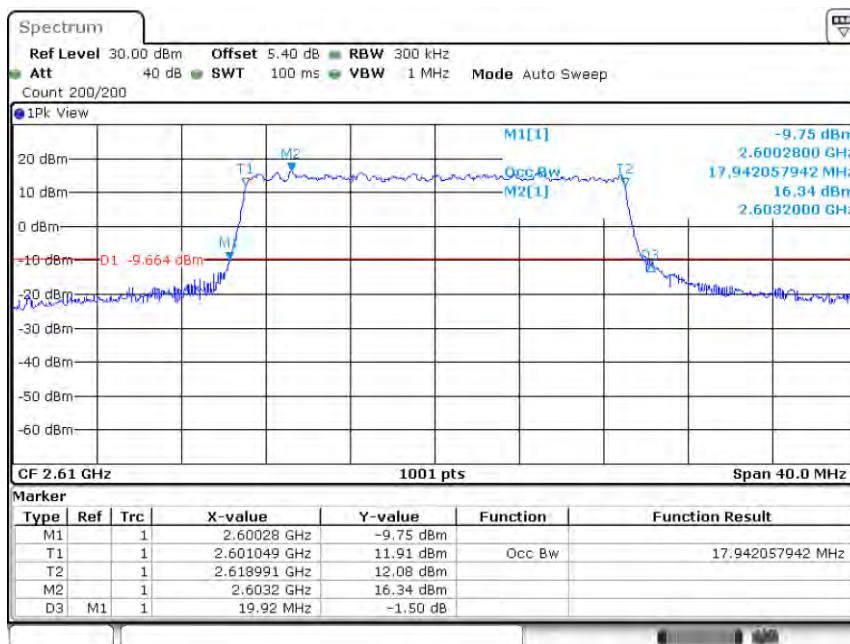
Date: 15.AUG.2020 00:21:14



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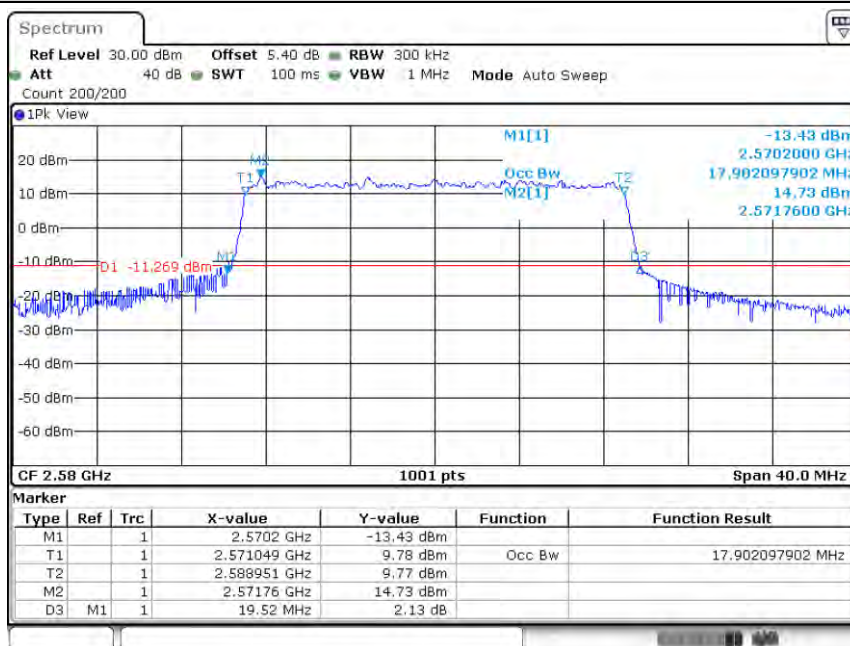
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**Band38-20MHz-QPSK-38150-100RB#0-17.942**



Date: 15.AUG.2020 00:22:20

**Band38-20MHz-64QAM-37850-100RB#0-17.902**



Date: 15.AUG.2020 02:37:19



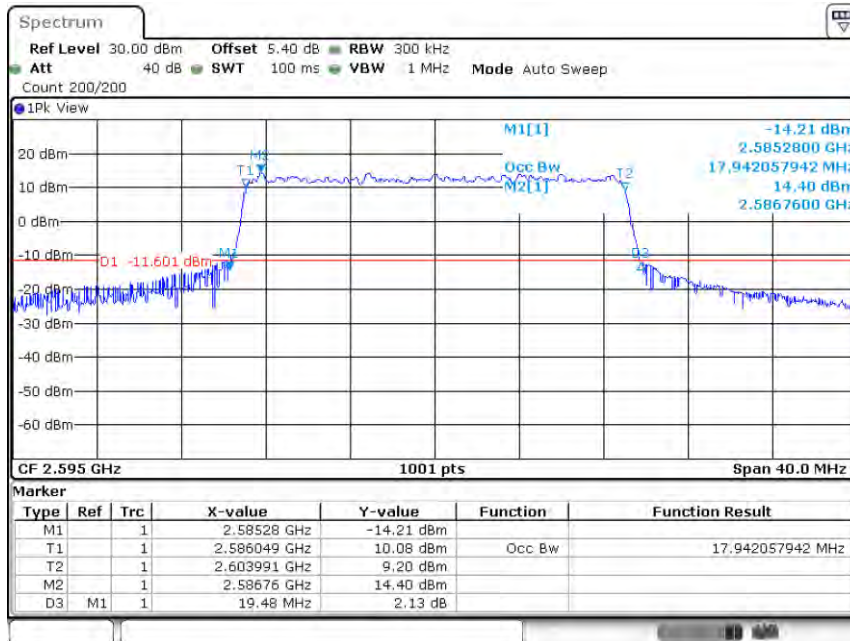
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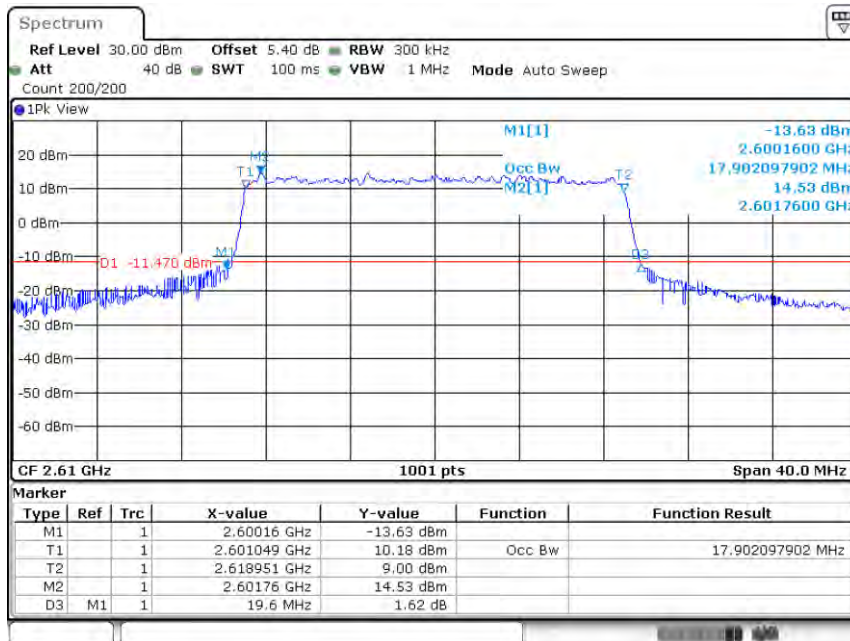


Band38-20MHz-64QAM-38000-100RB#0-17.942



Date: 15.AUG.2020 02:37:52

Band38-20MHz-64QAM-38150-100RB#0-17.902



Date: 15.AUG.2020 02:38:25

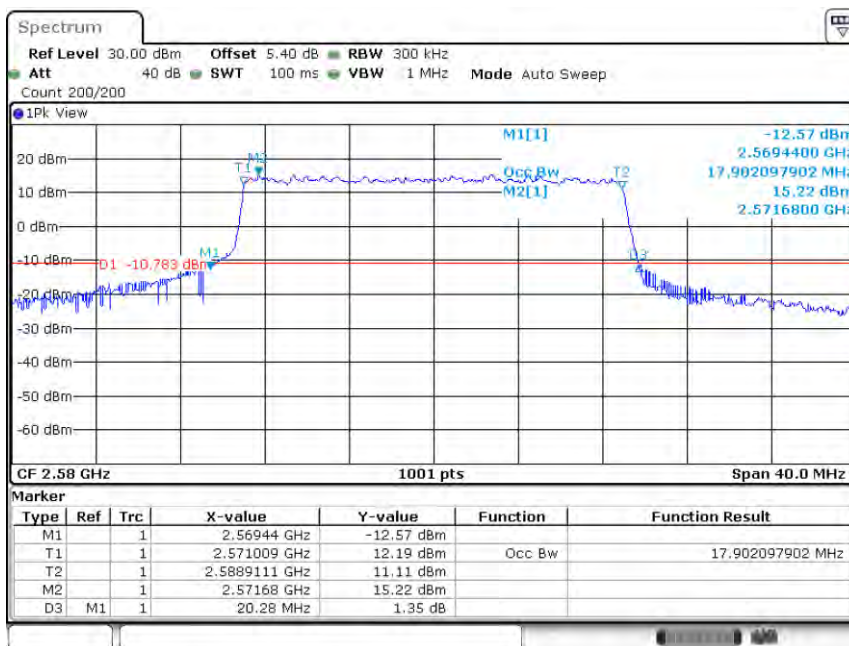


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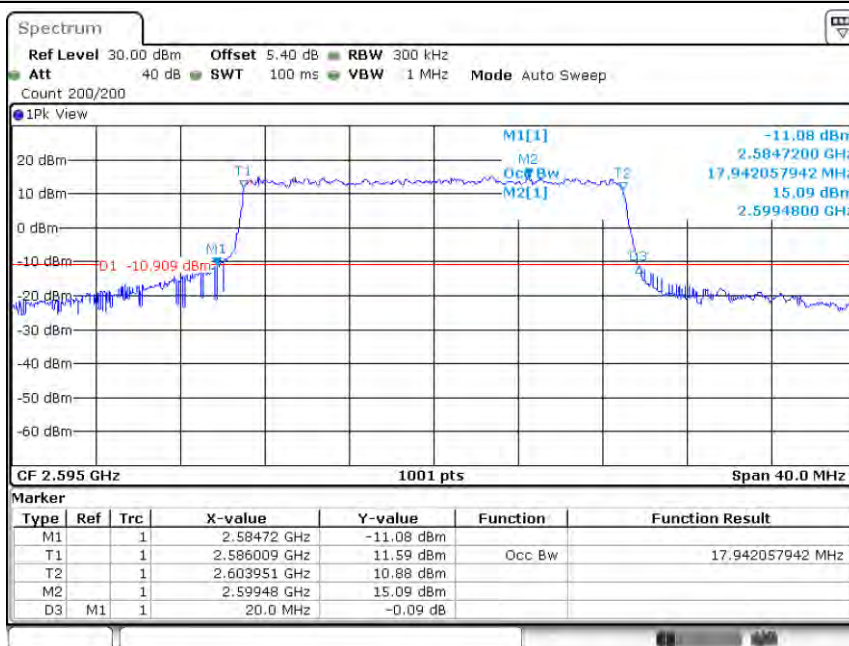


Band38-20MHz-16QAM-37850-100RB#0-17.902



Date: 15.AUG.2020 00:20:41

Band38-20MHz-16QAM-38000-100RB#0-17.942



Date: 15.AUG.2020 00:21:47

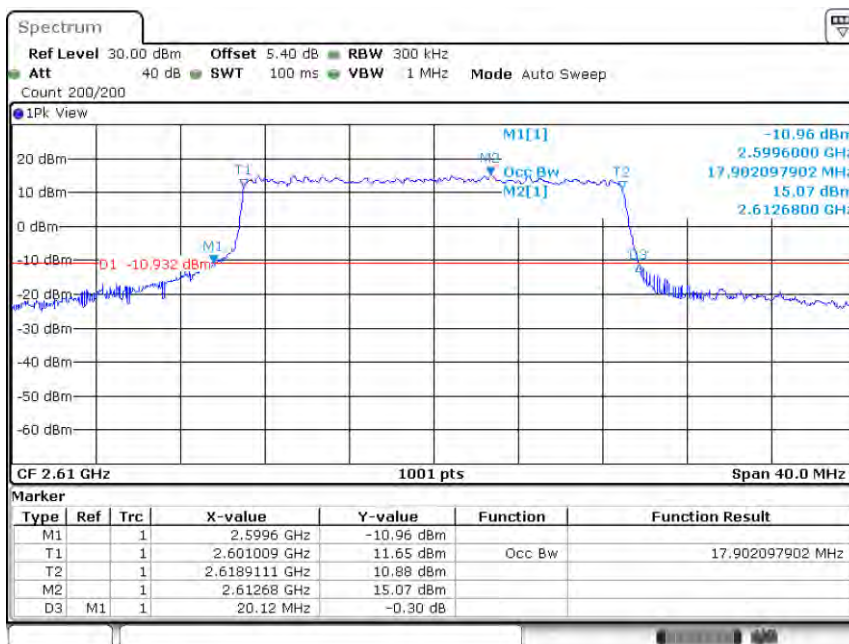


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Band38-20MHz-16QAM-38150-100RB#0-17.902



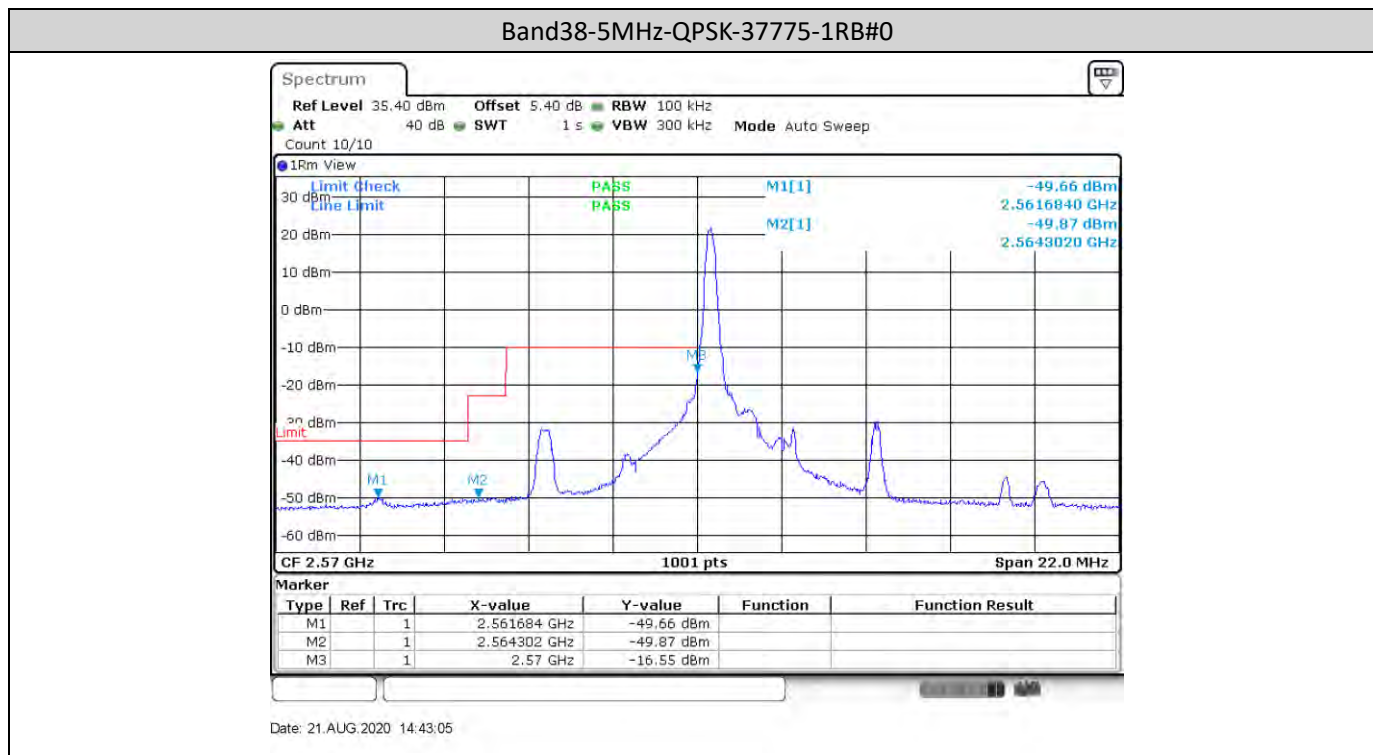
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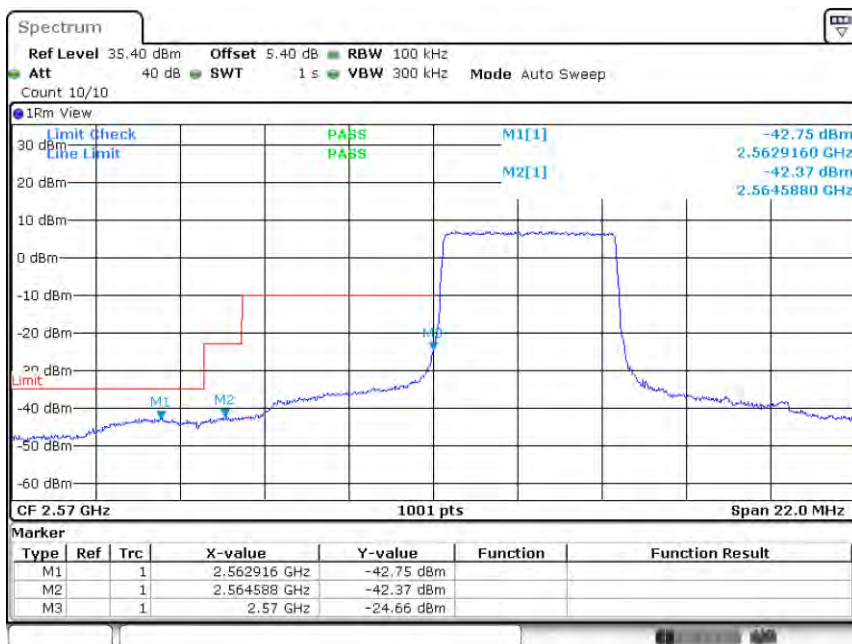


## 5. Band Edge Compliance

### 5.1. Test Plots

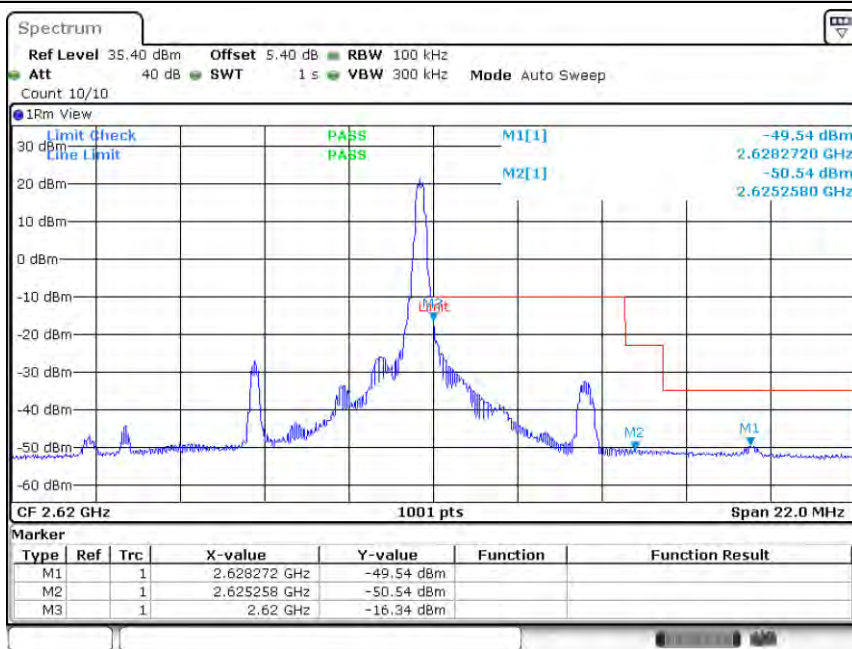


## Band38-5MHz-QPSK-37775-25RB#0



Date: 21.AUG.2020 14:45:16

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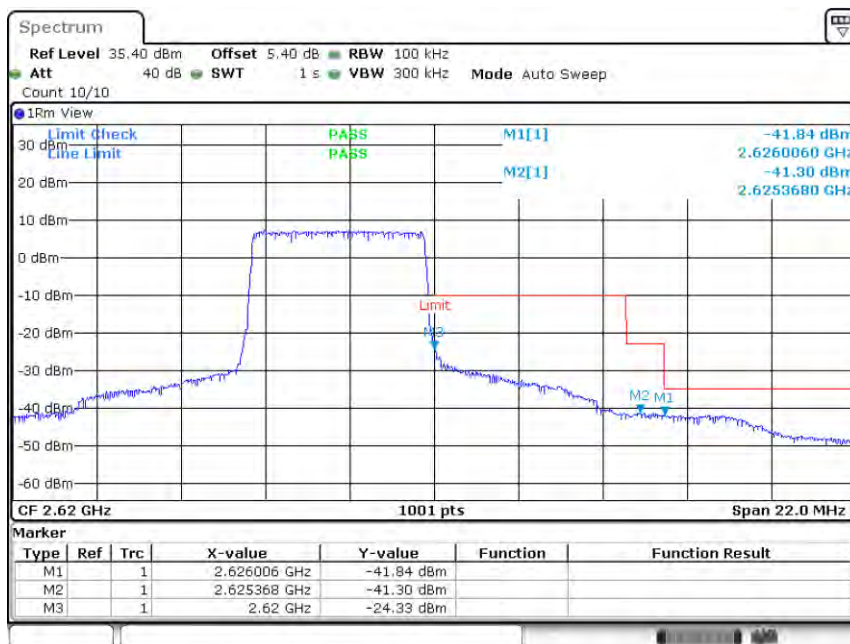


Date: 21.AUG.2020 14:44:10



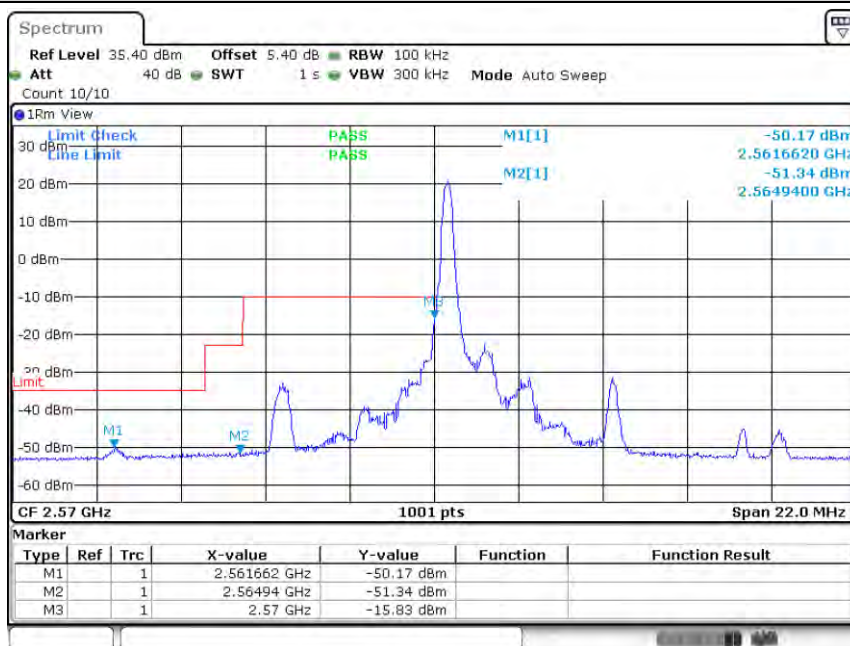


Band38-5MHz-QPSK-38225-25RB#0



Date: 21.AUG.2020 14:46:29

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



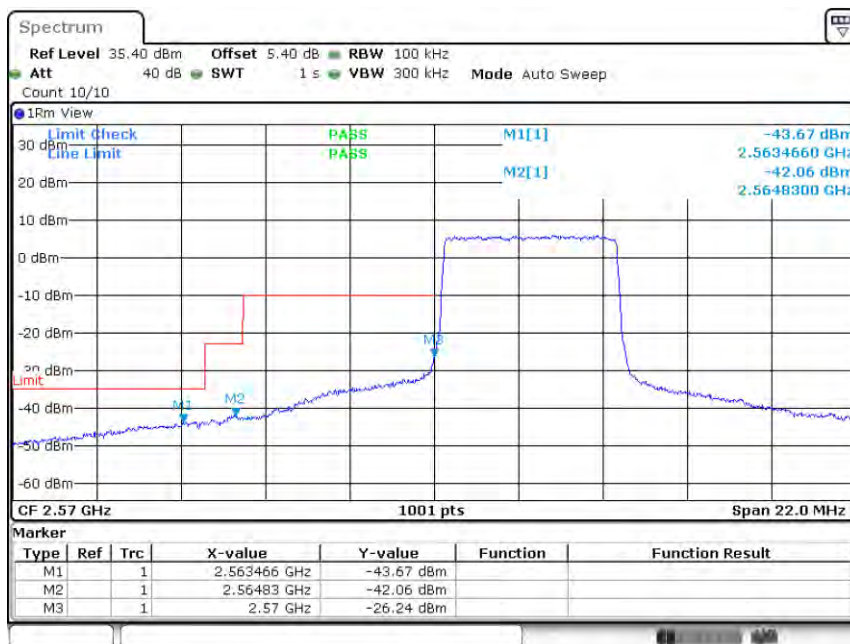
Date: 21.AUG.2020 14:47:42



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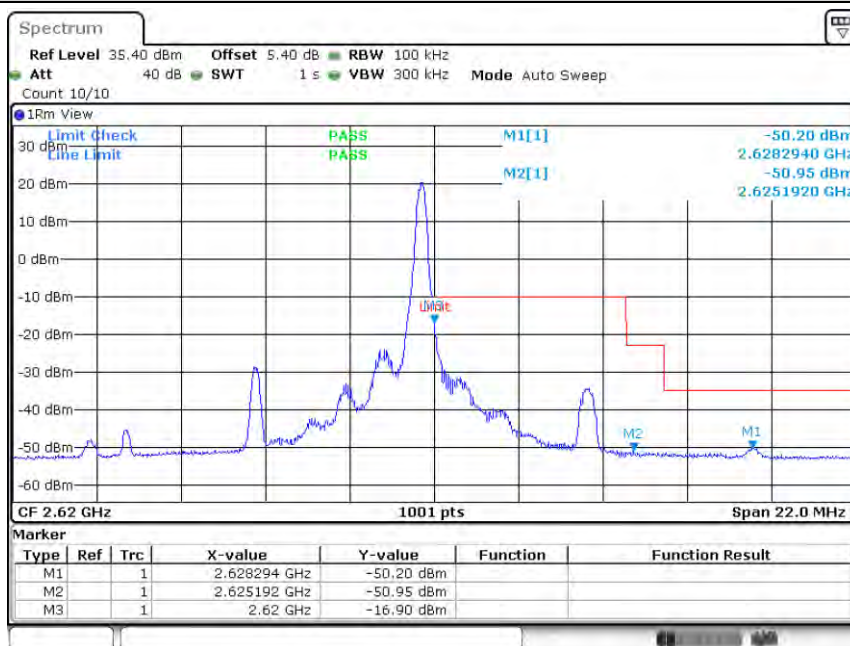
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## Band38-5MHz-64QAM-37775-25RB#0



Date: 21.AUG.2020 14:49:07

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



Date: 21.AUG.2020 14:48:40



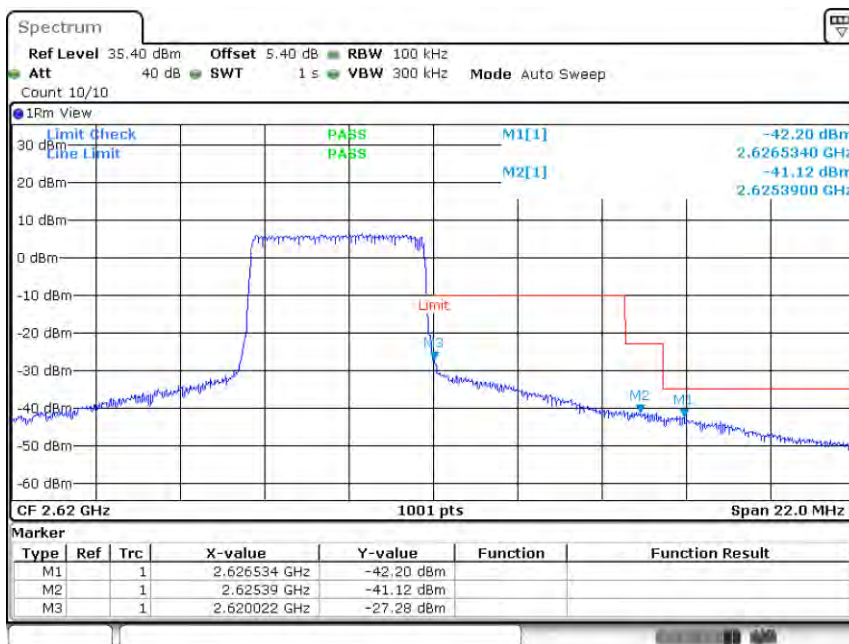
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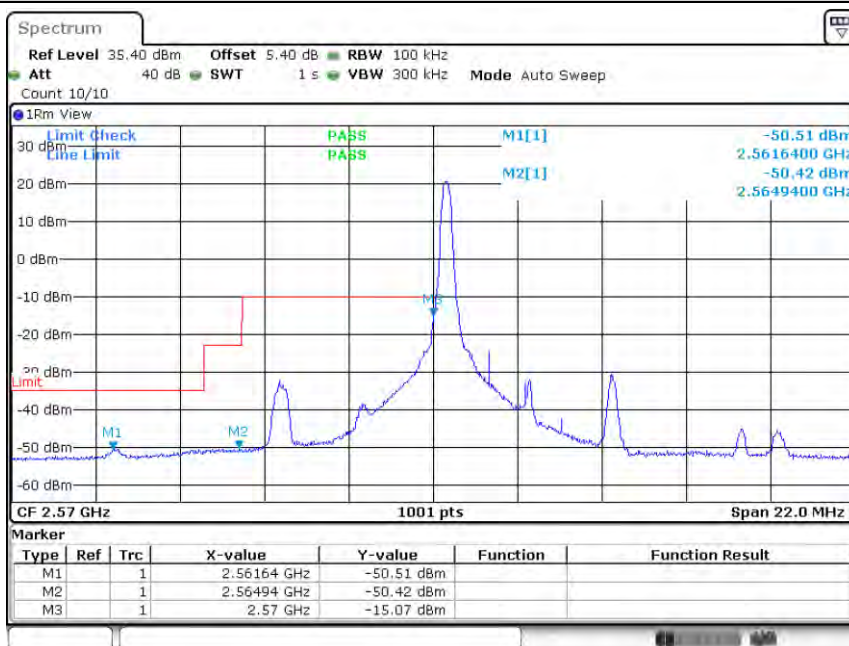


Band38-5MHz-64QAM-38225-25RB#0



Date: 21.AUG.2020 14:49:58

Band38-5MHz-16QAM-37775-1RB#0



Date: 21.AUG.2020 14:43:27



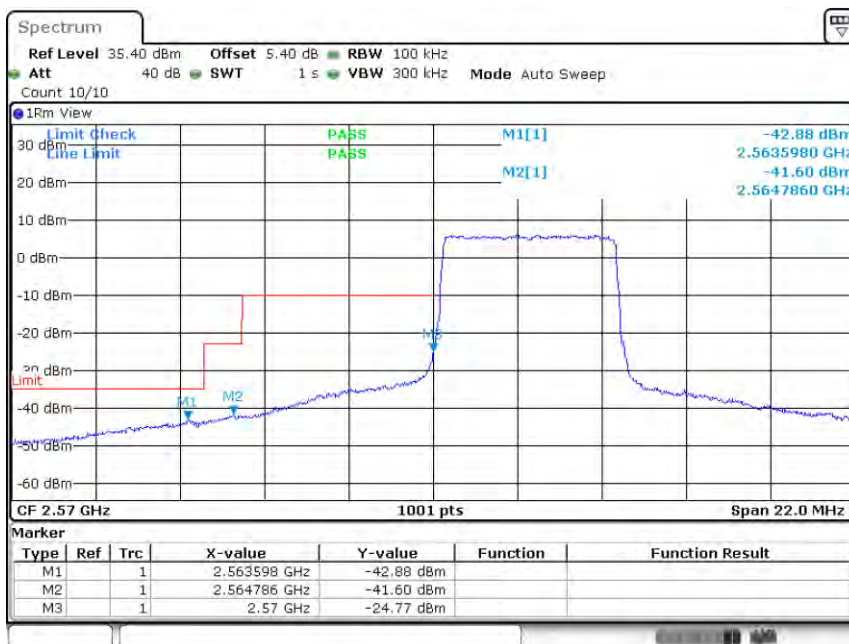
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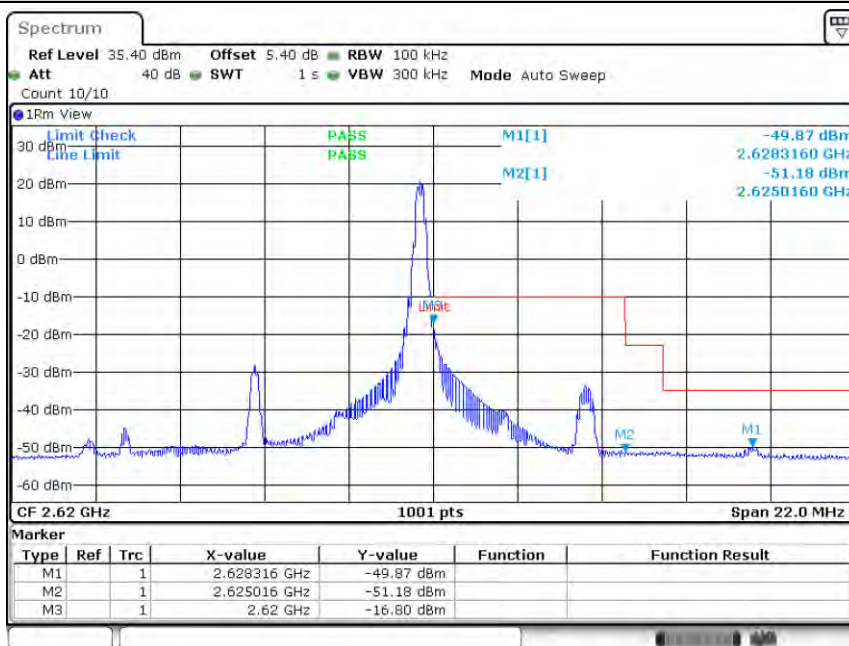


Band38-5MHz-16QAM-37775-25RB#0



Date: 21.AUG.2020 14:45:38

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



Date: 21.AUG.2020 14:44:50



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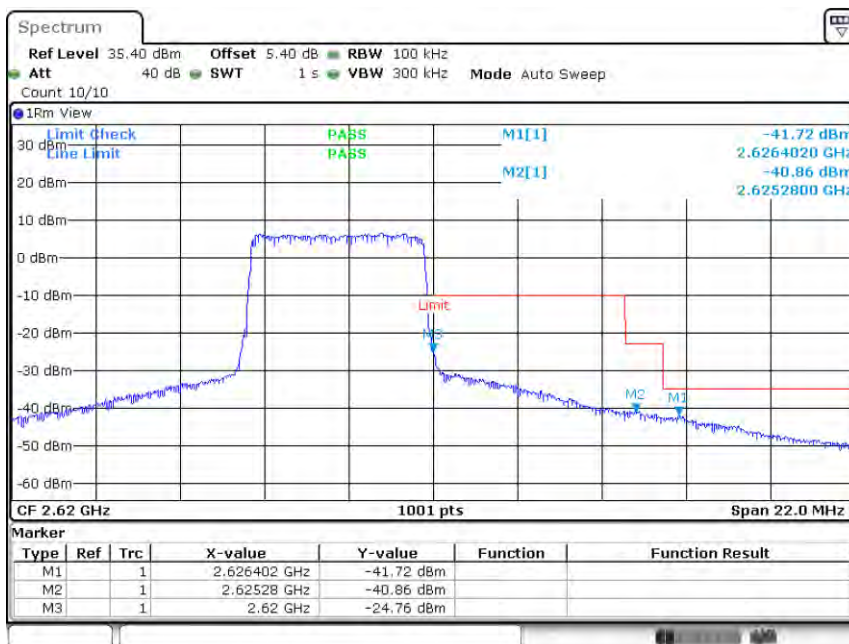
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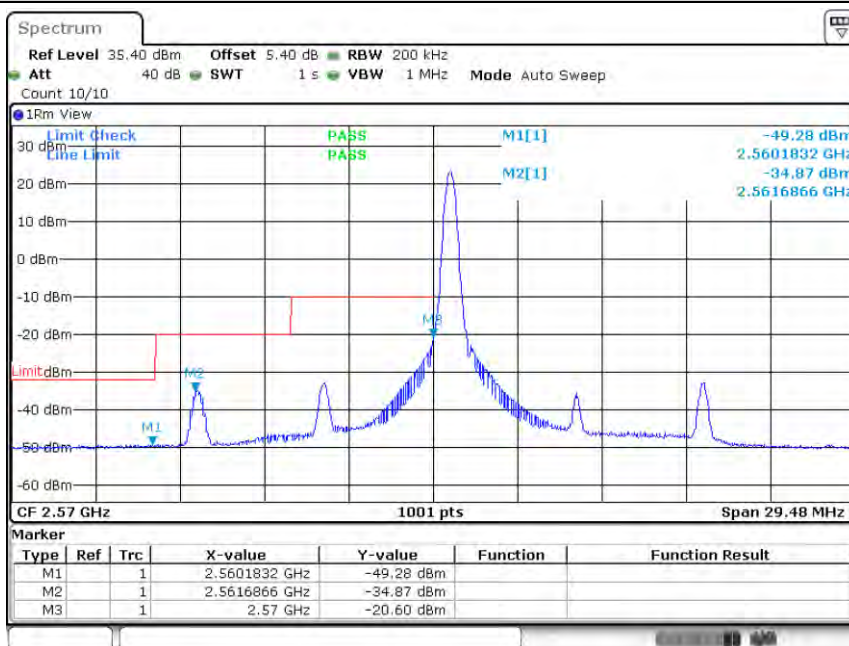


Band38-5MHz-16QAM-38225-25RB#0



Date: 21.AUG.2020 14:47:16

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



Date: 15.AUG.2020 00:26:31

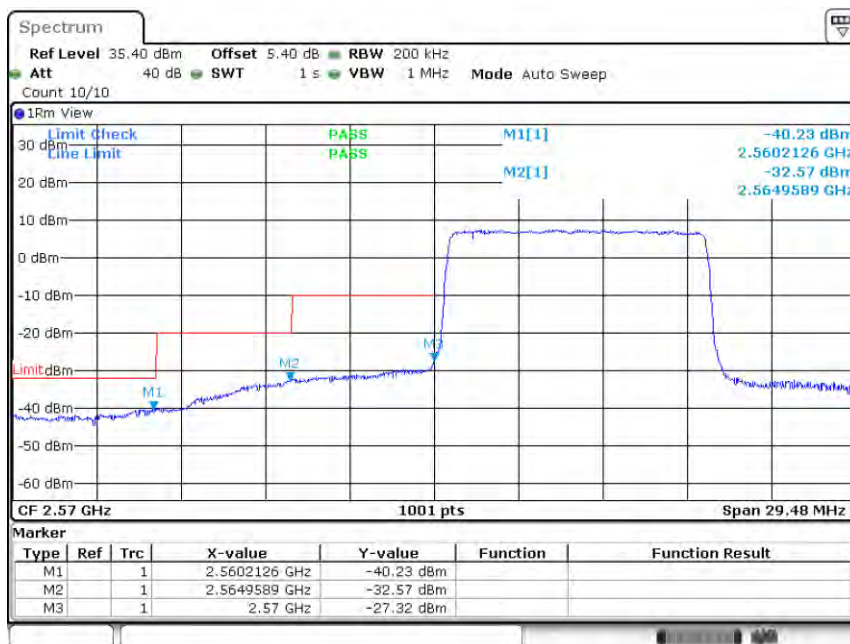


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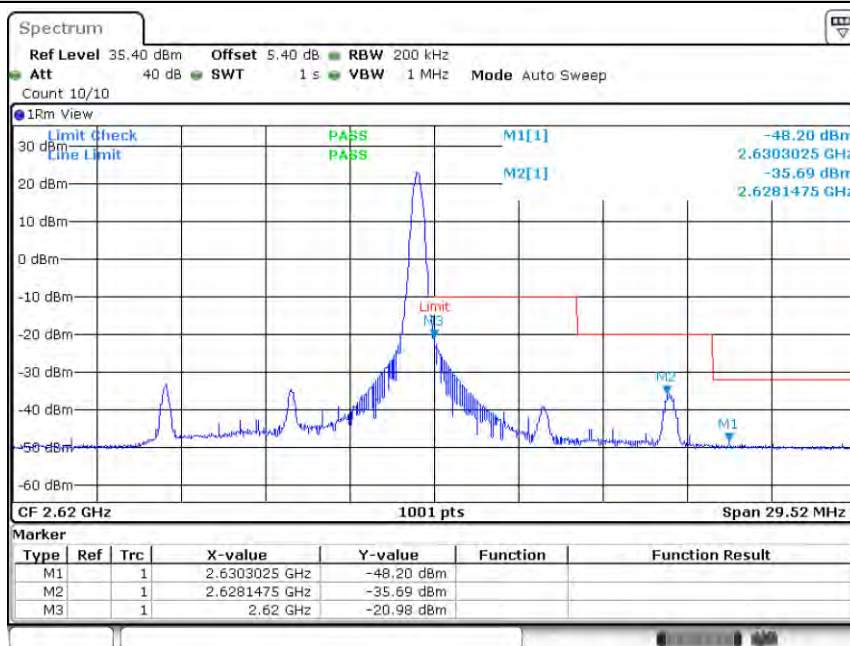


Band38-10MHz-QPSK-37800-50RB#0



Date: 15.AUG.2020 00:28:07

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



Date: 15.AUG.2020 00:27:19

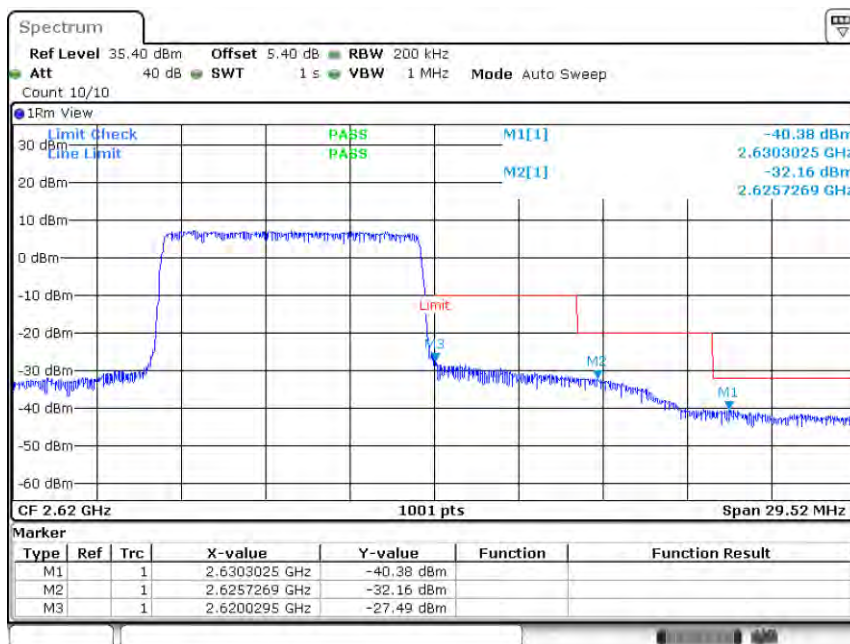


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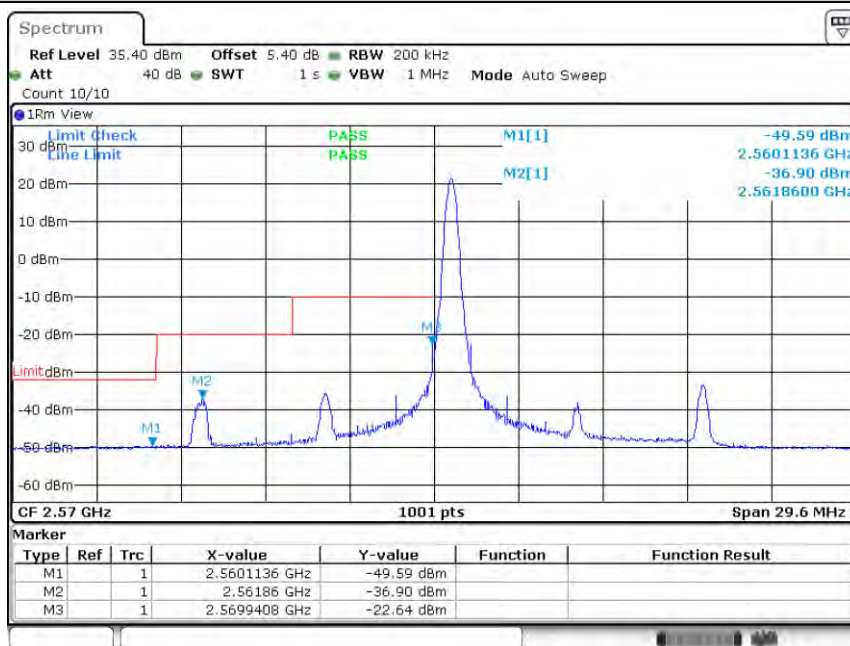


Band38-10MHz-QPSK-38200-50RB#0



Date: 15.AUG.2020 00:28:51

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



Date: 15.AUG.2020 02:40:39



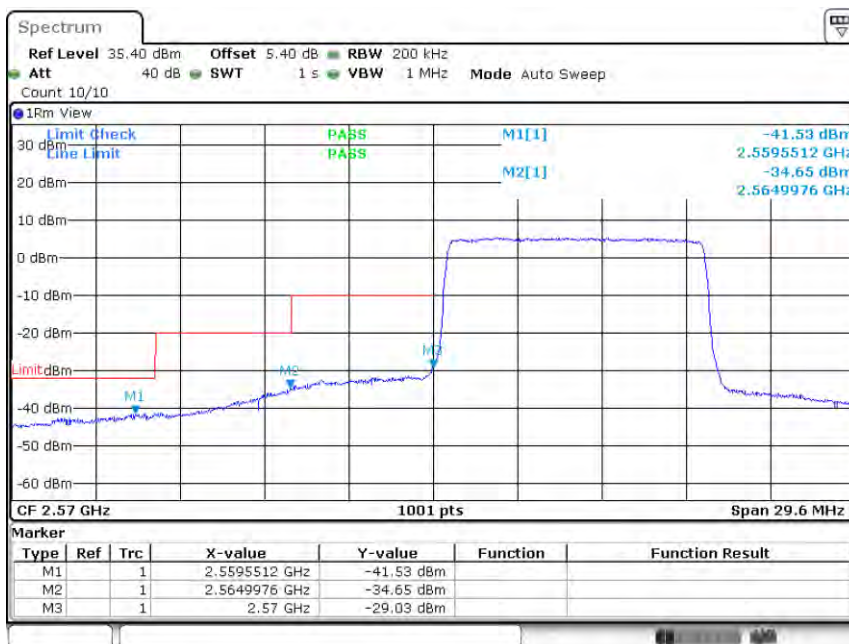
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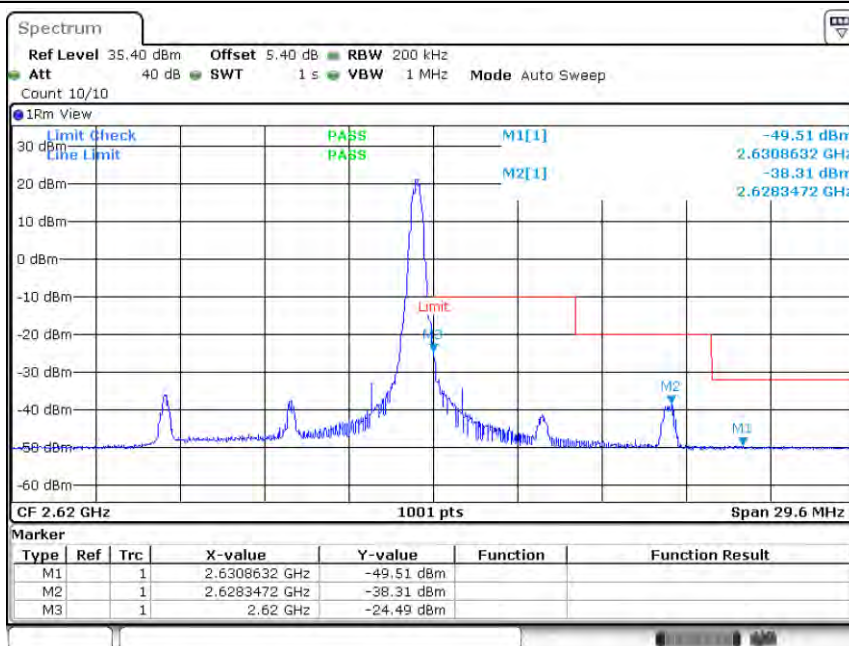


Band38-10MHz-64QAM-37800-50RB#0



Date: 15.AUG.2020 02:41:33

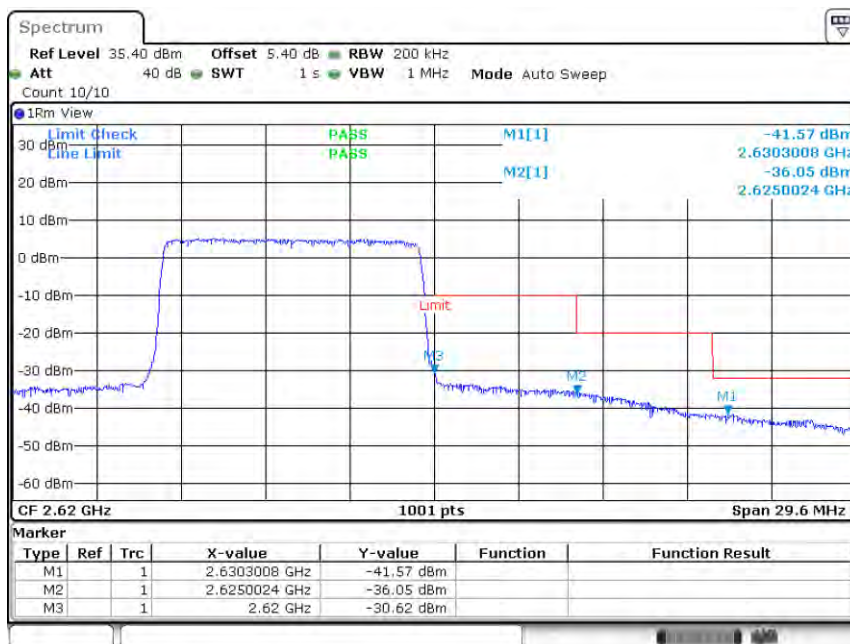
Band38-10MHz-64QAM-38200-1RB#49



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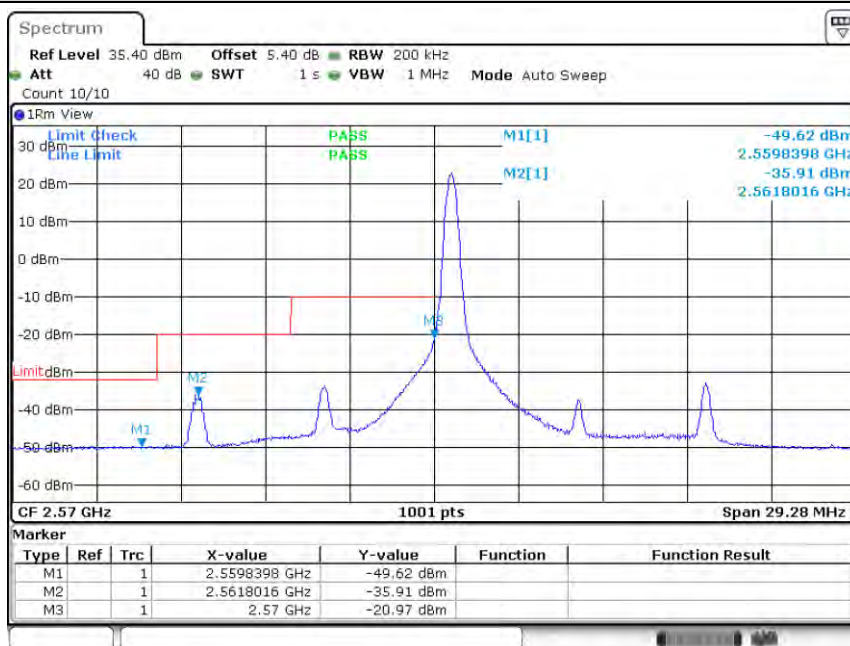


**Band38-10MHz-64QAM-38200-50RB#0**



Date: 15.AUG.2020 02:41:55

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



Date: 15.AUG.2020 00:26:53



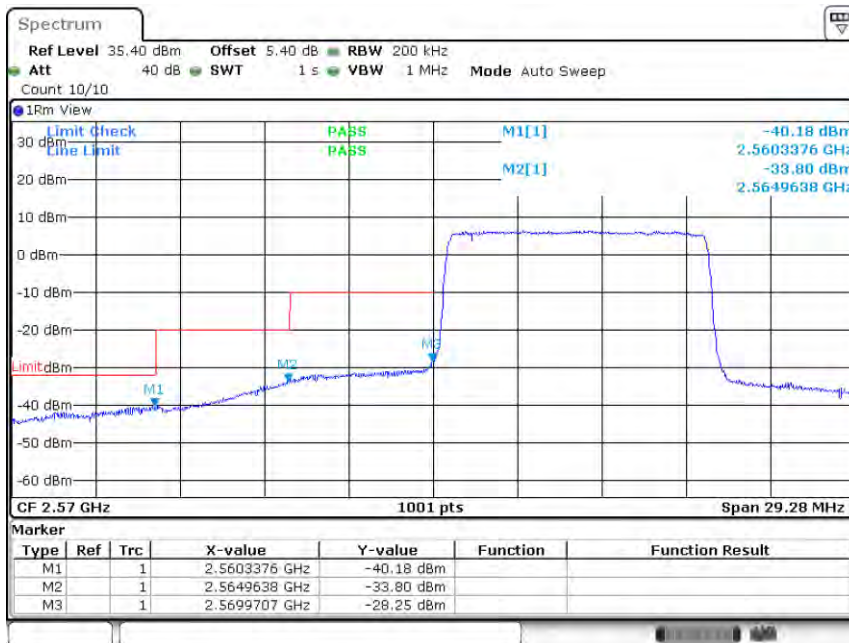
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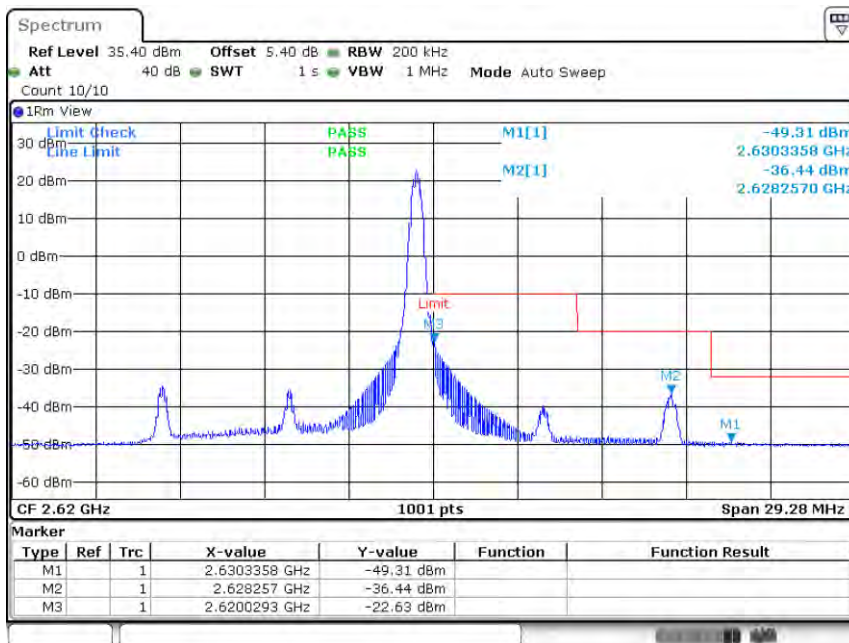


Band38-10MHz-16QAM-37800-50RB#0



Date: 15.AUG.2020 00:28:29

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



Date: 15.AUG.2020 00:27:41

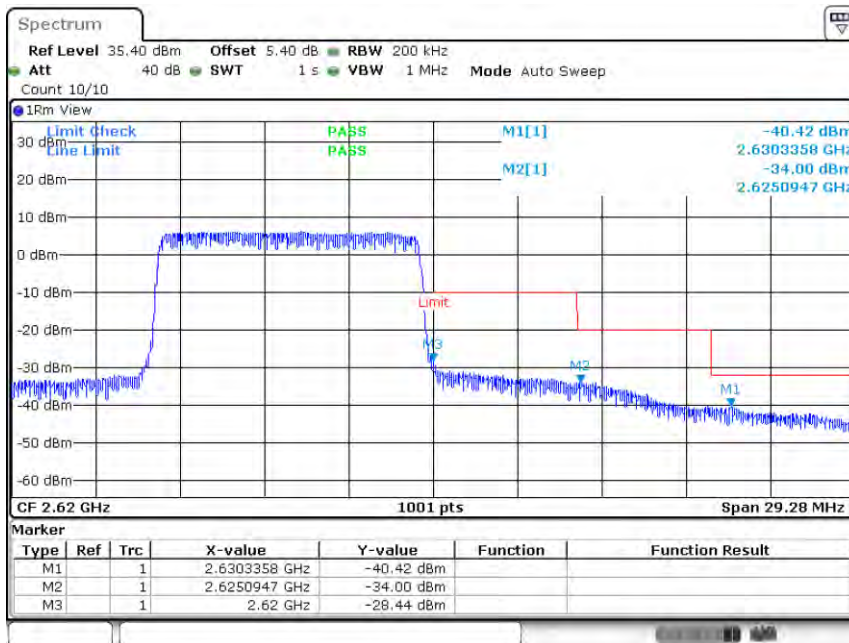


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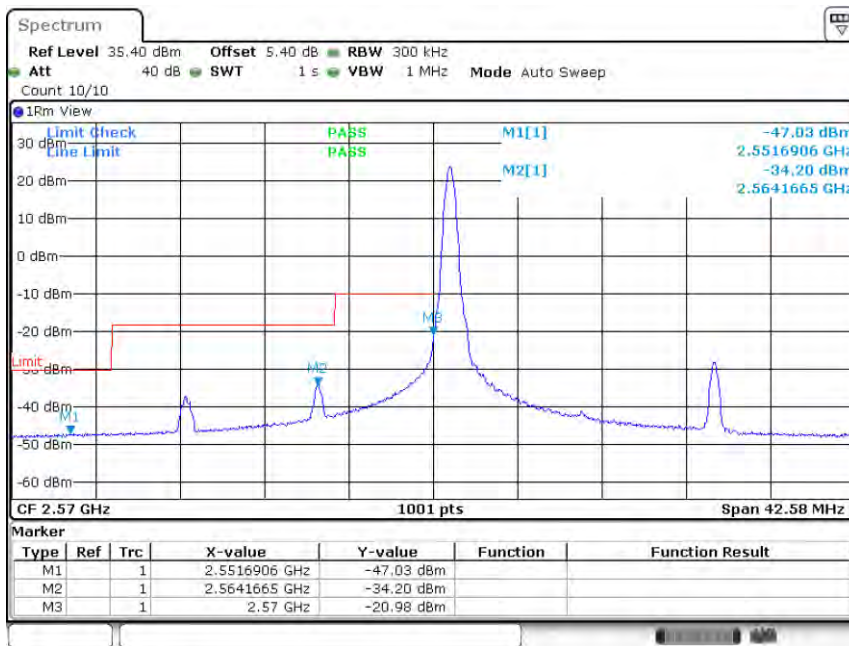


Band38-10MHz-16QAM-38200-50RB#0



Date: 15.AUG.2020 00:29:13

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



Date: 15.AUG.2020 00:29:41



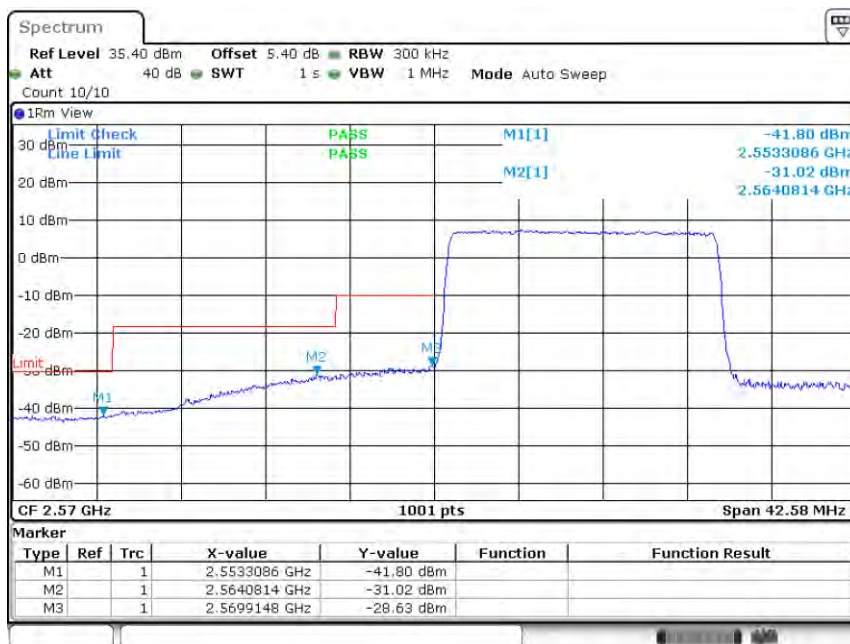
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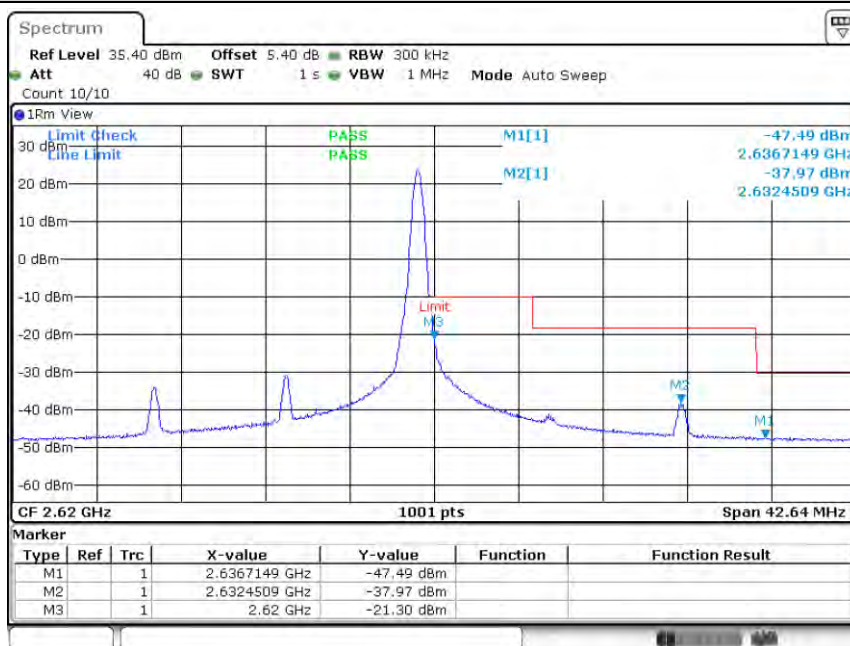


Band38-15MHz-QPSK-37825-75RB#0



Date: 15.AUG.2020 00:31:17

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



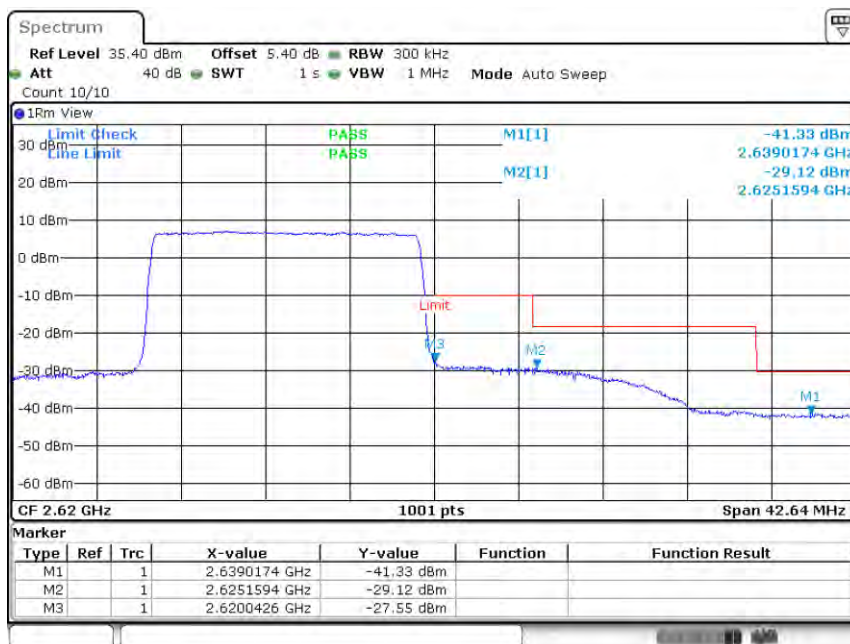
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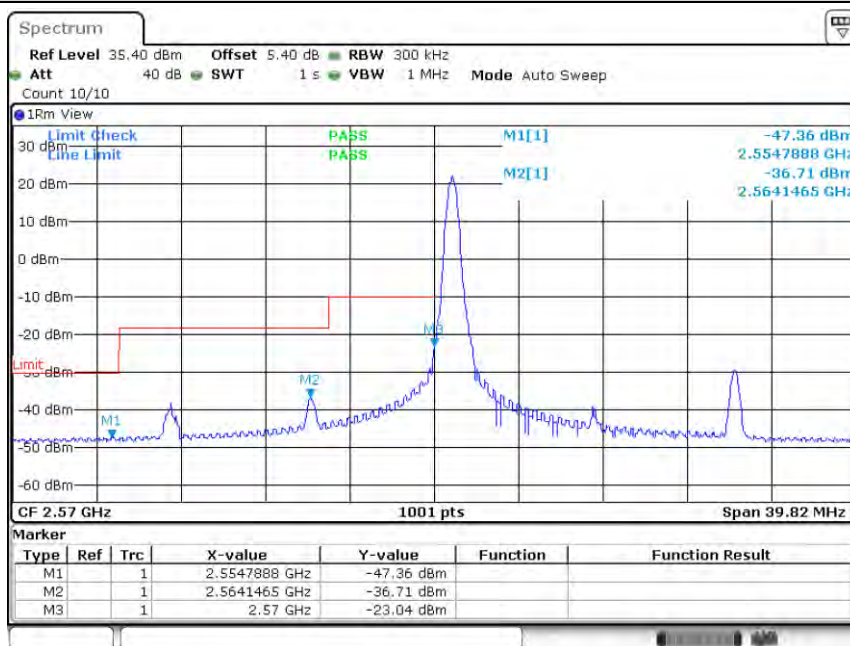
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Band38-15MHz-QPSK-38175-75RB#0



Date: 15.AUG.2020 00:32:00

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



Date: 15.AUG.2020 02:42:24



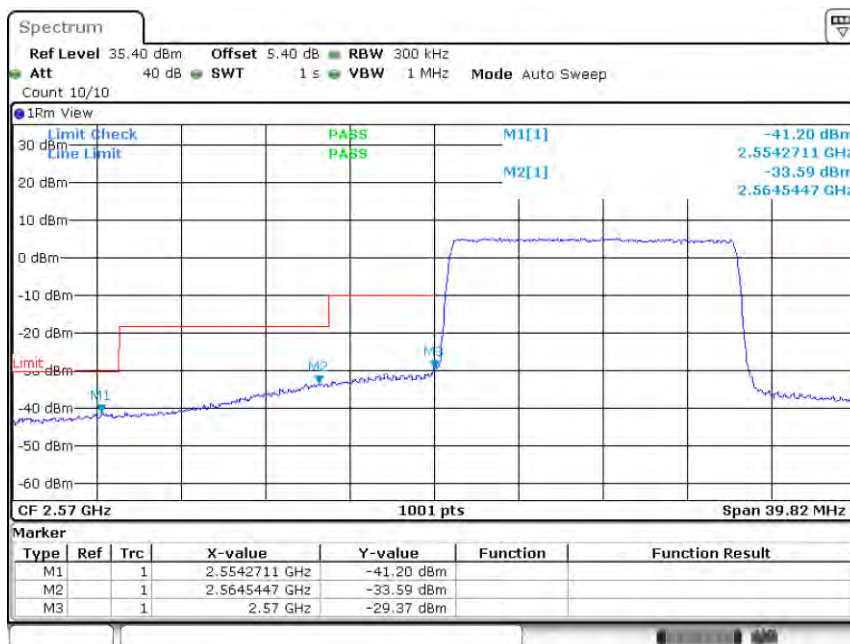
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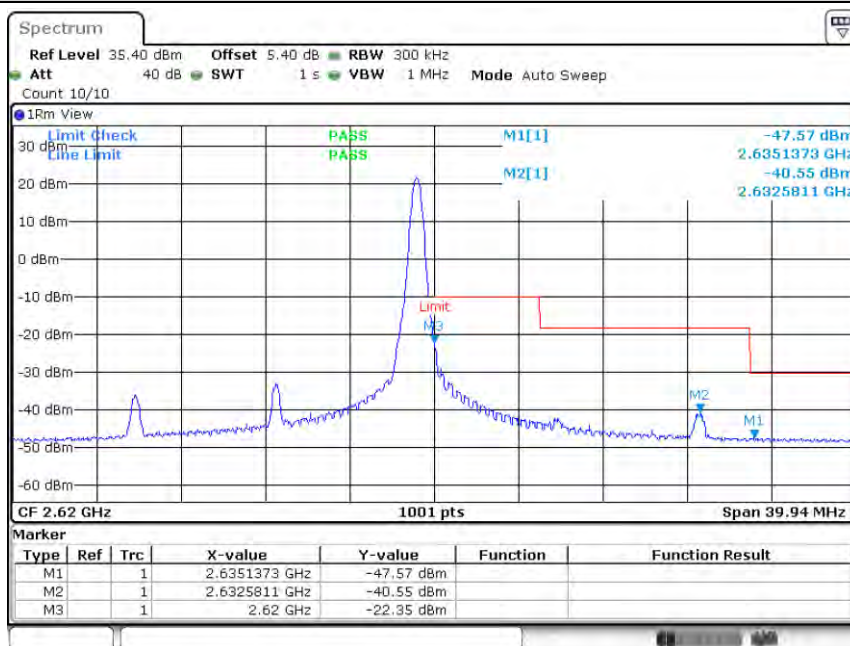


Band38-15MHz-64QAM-37825-75RB#0



Date: 15.AUG.2020 02:43:19

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



Date: 15.AUG.2020 02:42:51

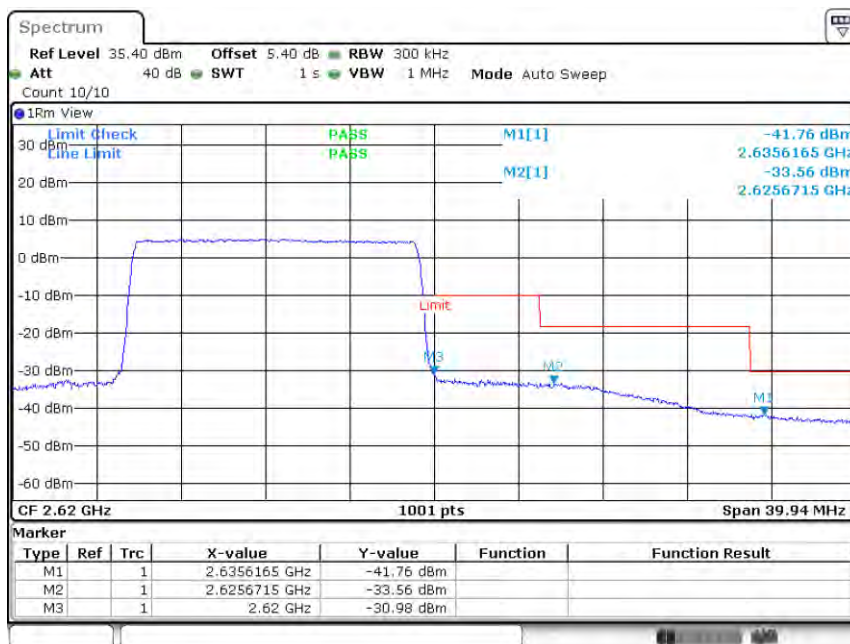


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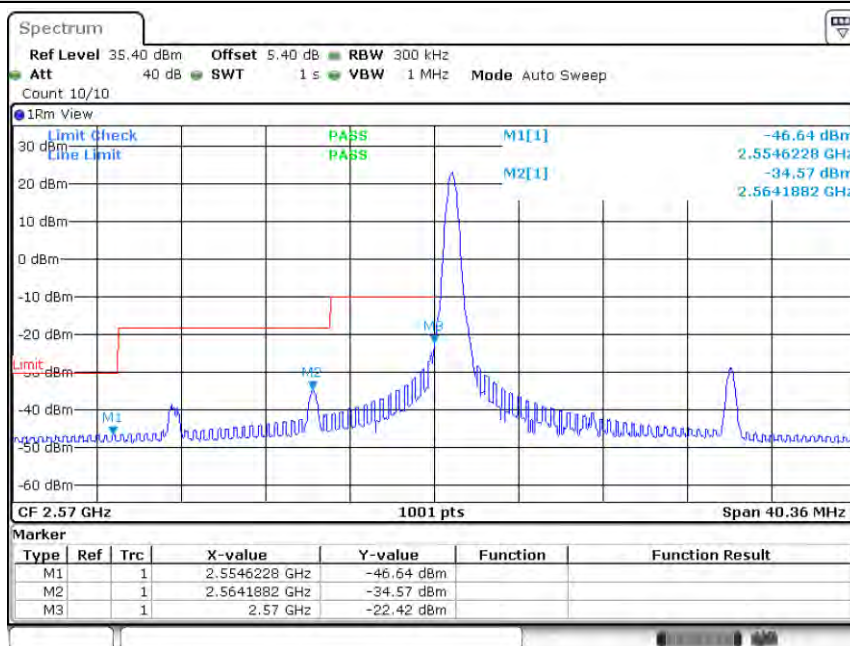


Band38-15MHz-64QAM-38175-75RB#0



Date: 15.AUG.2020 02:43:41

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



Date: 15.AUG.2020 00:30:03



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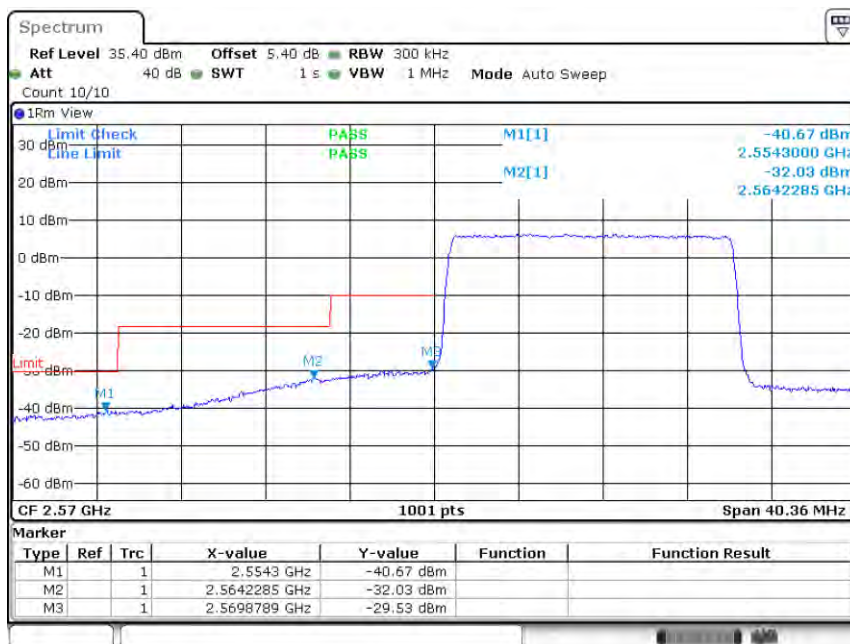
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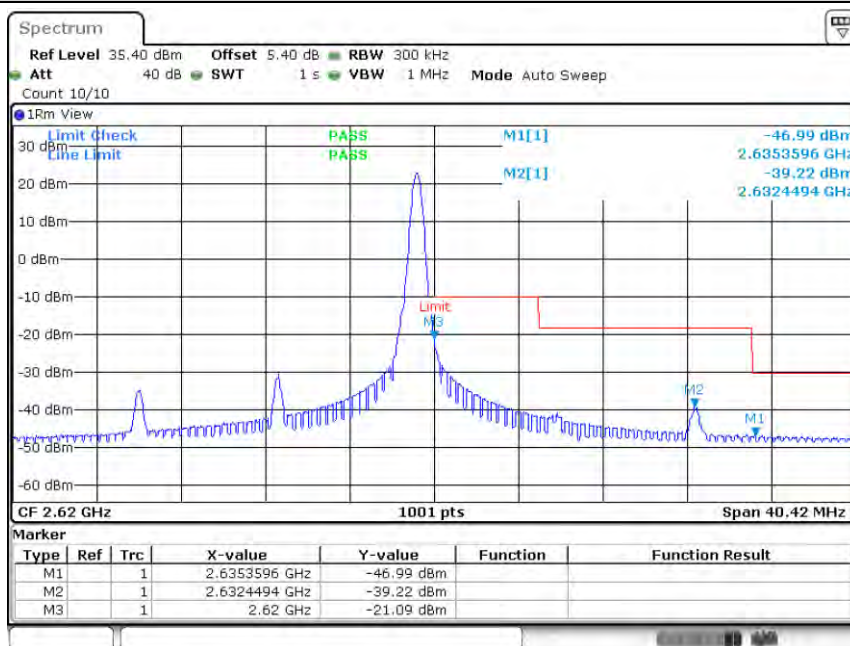


Band38-15MHz-16QAM-37825-75RB#0



Date: 15.AUG.2020 00:31:38

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



Date: 15.AUG.2020 00:30:50

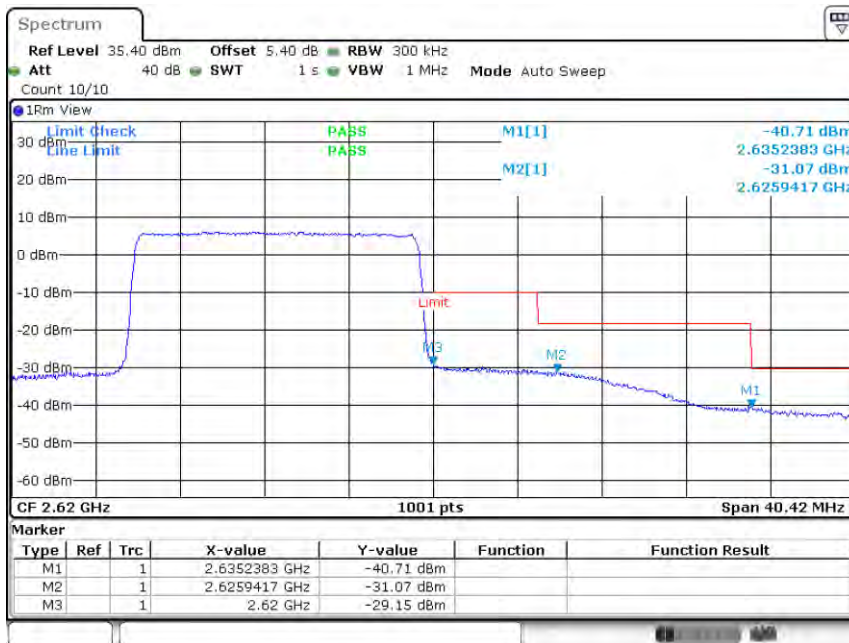


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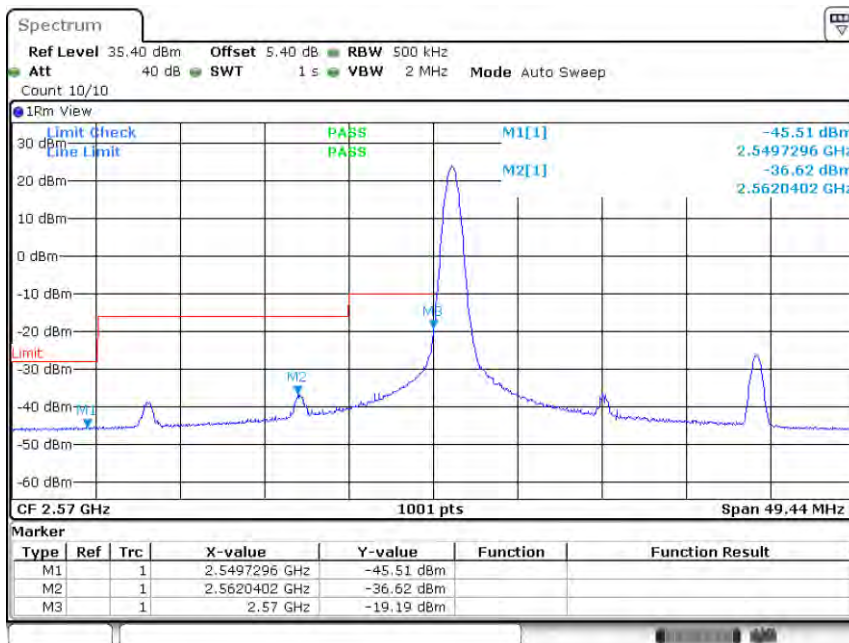


Band38-15MHz-16QAM-38175-75RB#0



Date: 15.AUG.2020 00:32:22

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



Date: 15.AUG.2020 00:32:50



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Shenzhen Branch

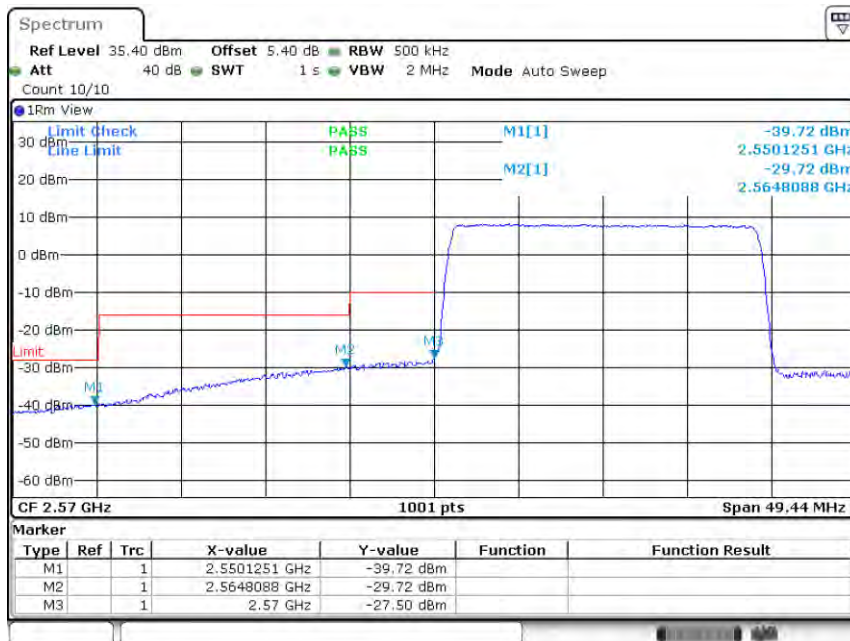
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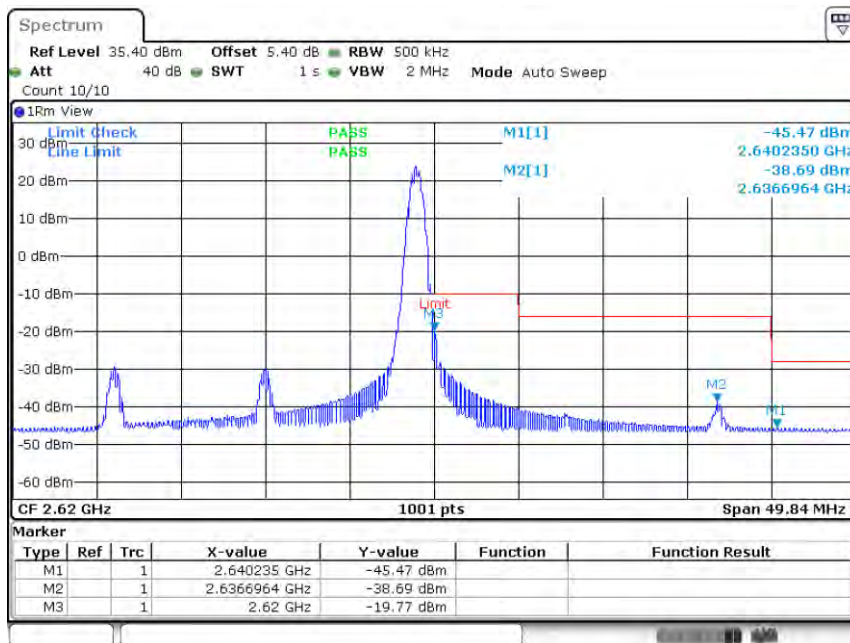


Band38-20MHz-QPSK-37850-100RB#0



Date: 15.AUG.2020 00:34:26

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



Date: 15.AUG.2020 00:33:38

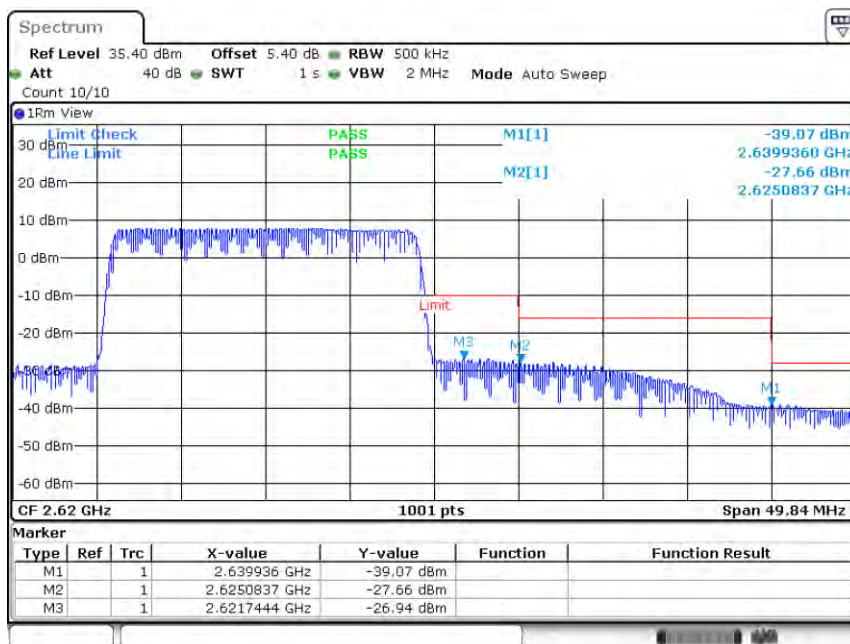


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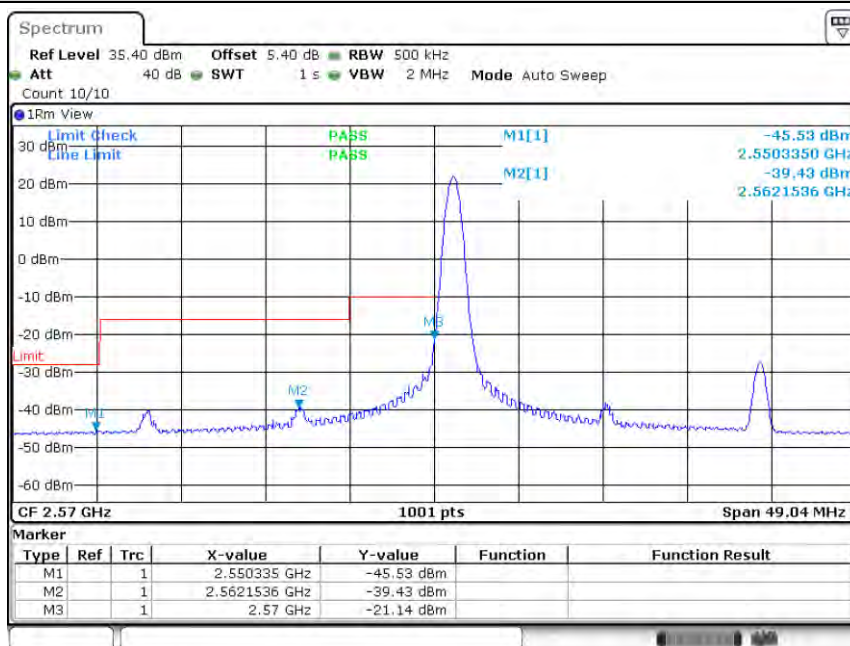
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**Band38-20MHz-QPSK-38150-100RB#0**



Date: 15.AUG.2020 00:35:09

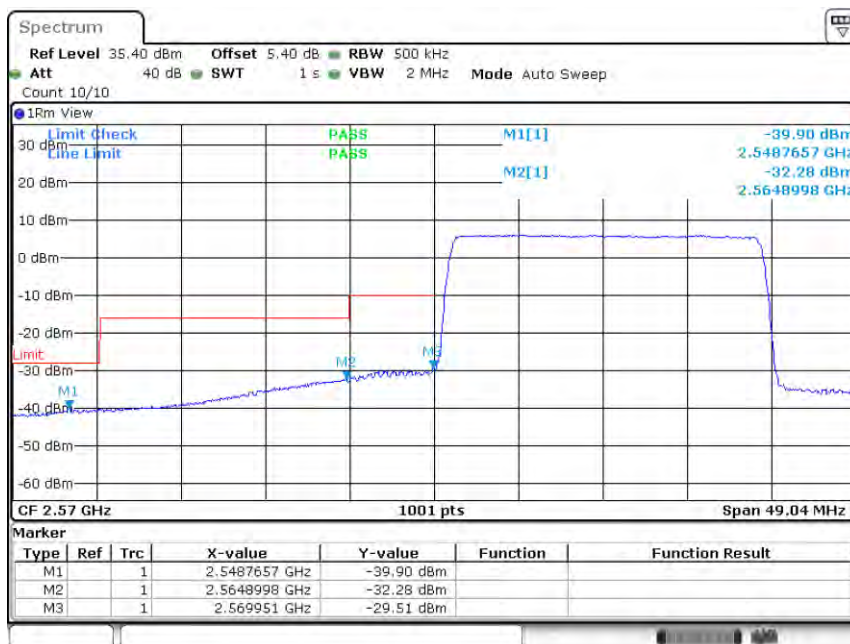
**Band38-20MHz-64QAM-37850-1RB#0**



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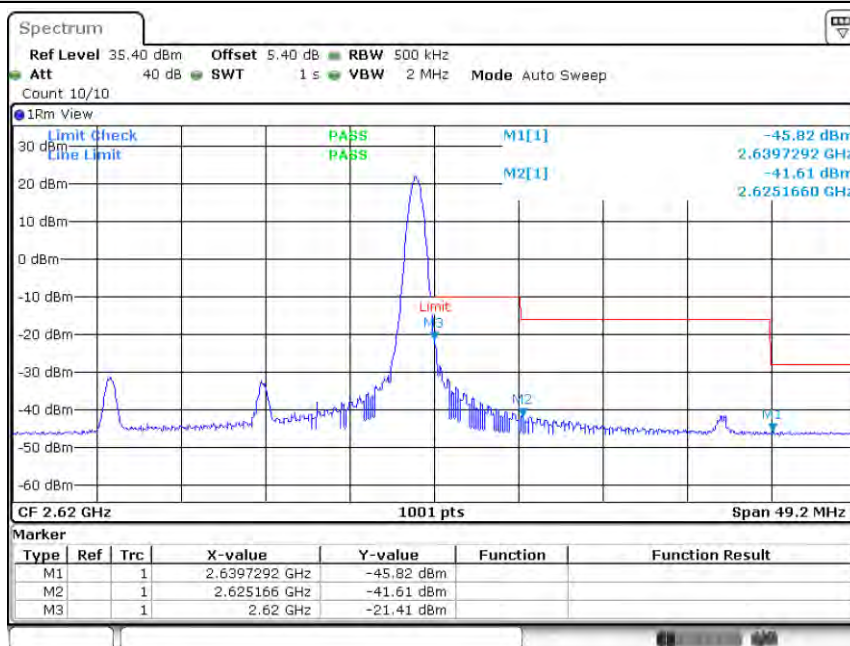


Band38-20MHz-64QAM-37850-100RB#0



Date: 15.AUG.2020 02:45:04

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



Date: 15.AUG.2020 02:44:37

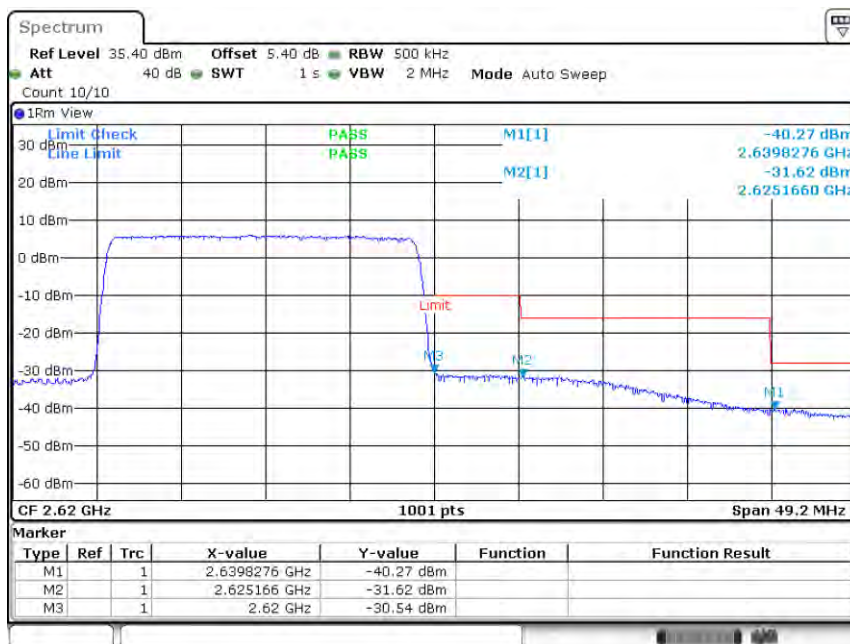


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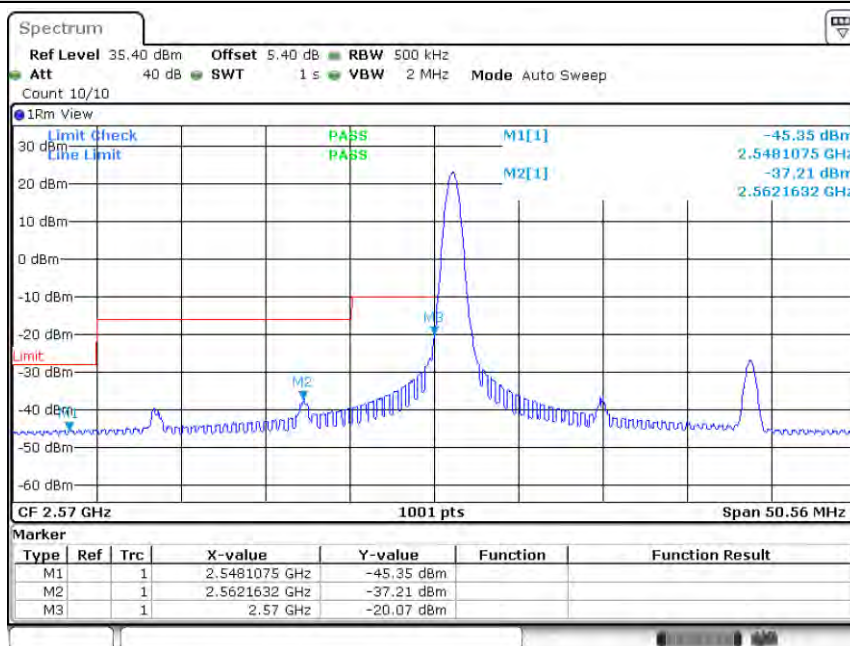


Band38-20MHz-64QAM-38150-100RB#0



Date: 15.AUG.2020 02:45:26

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



Date: 15.AUG.2020 00:33:12



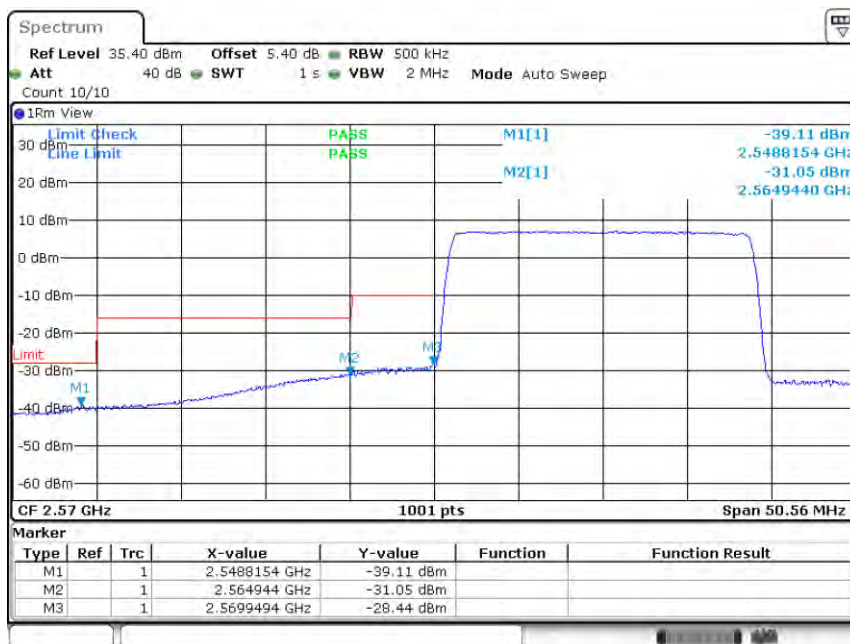
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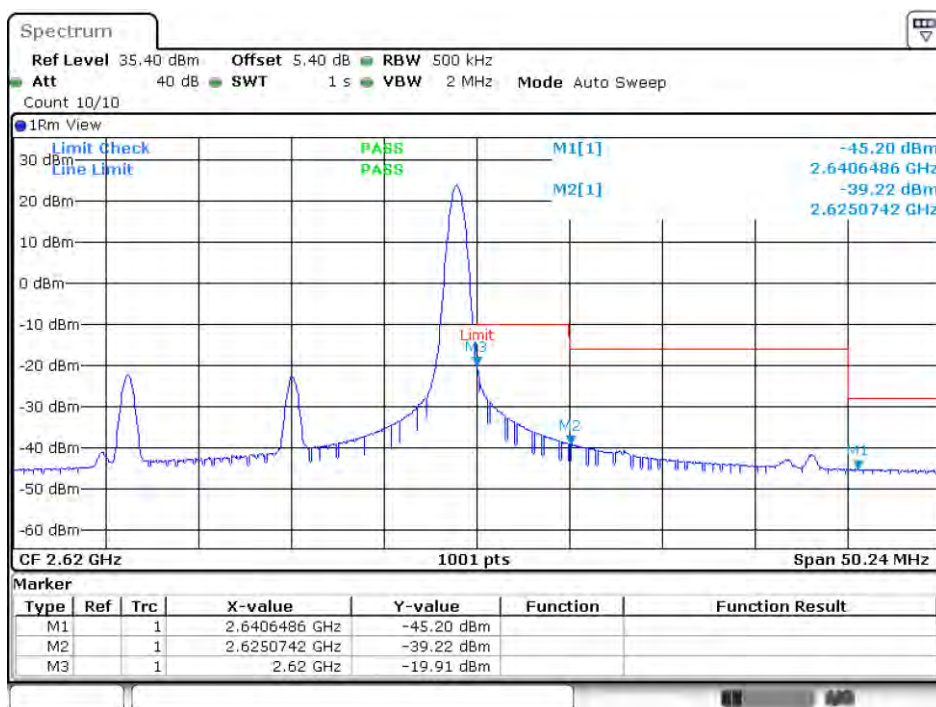
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Band38-20MHz-16QAM-37850-100RB#0



Date: 15 AUG 2020 00:34:47

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



Date: 28 AUG 2020 10:45:18



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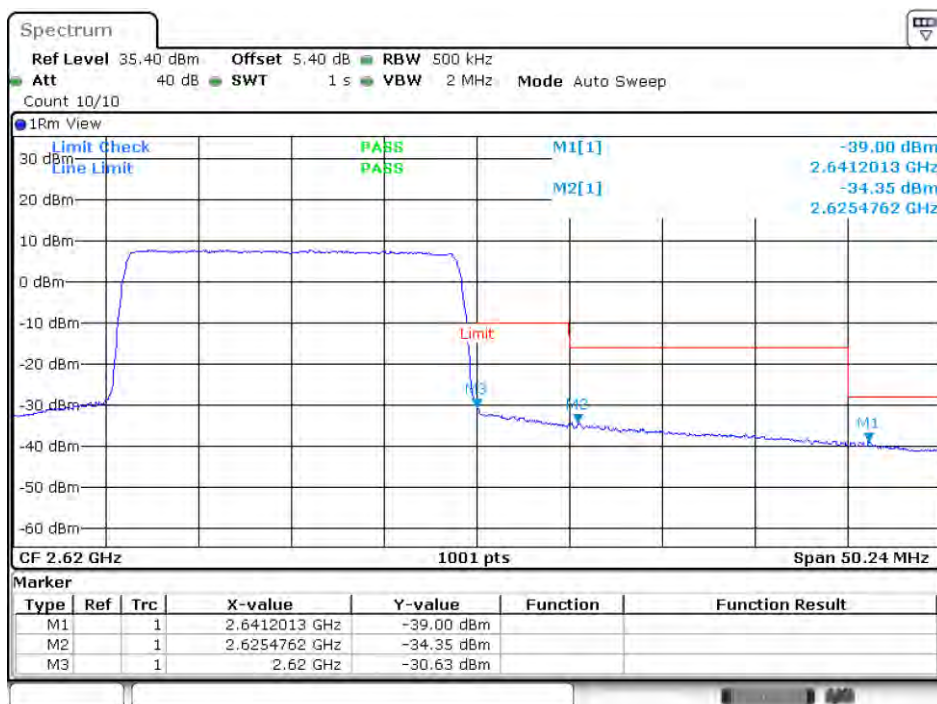
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Band38-20MHz-16QAM-38150-100RB#0



Date: 28.AUG.2020 10:46:35



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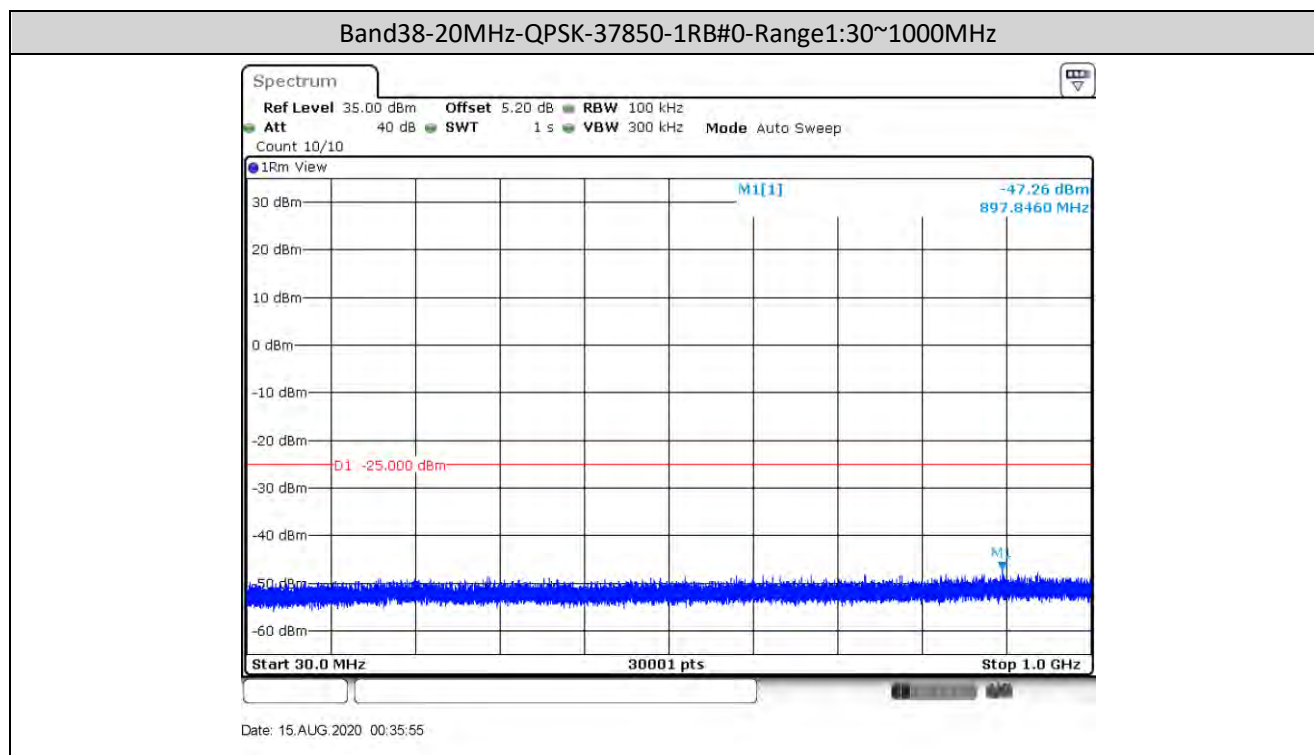


## 6. Spurious Emission at Antenna Terminal

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.

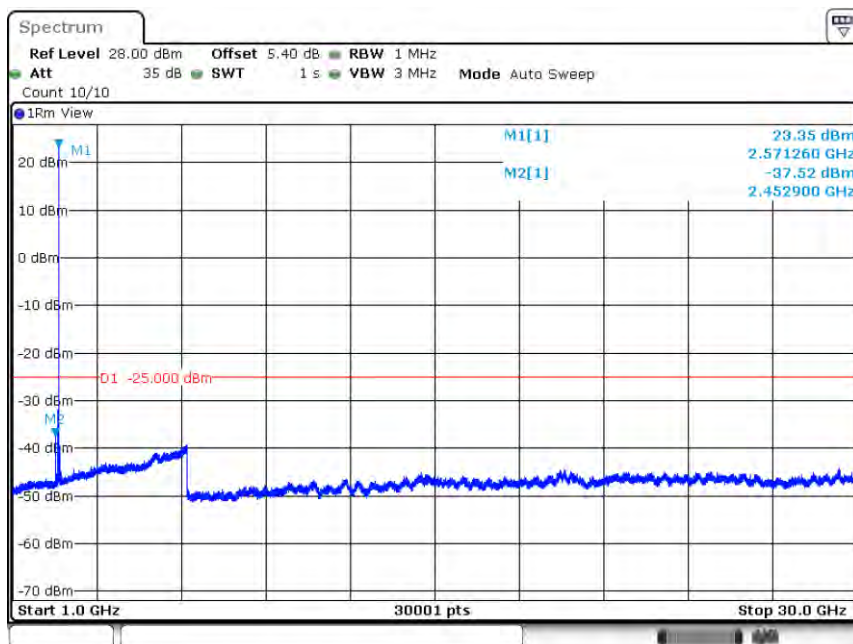
Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots



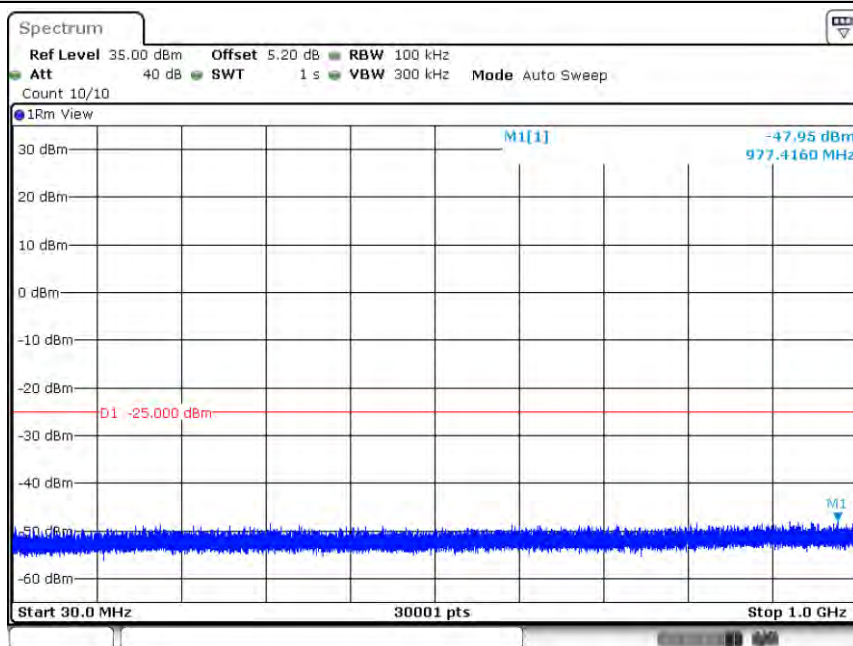


Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~30000MHz



Date: 15.AUG.2020 00:36:11

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



Date: 15.AUG.2020 00:37:06

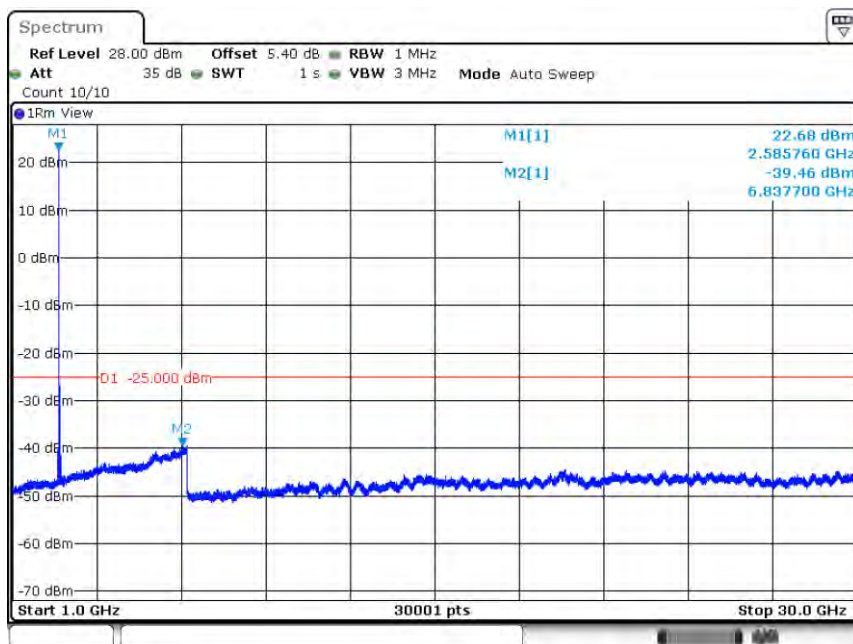


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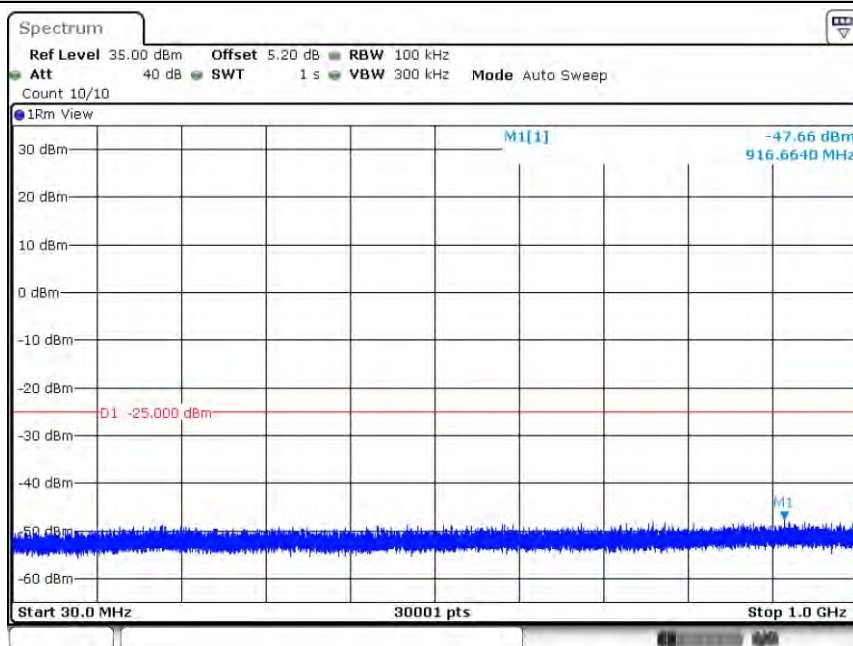


Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~30000MHz



Date: 15.AUG.2020 00:37:22

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

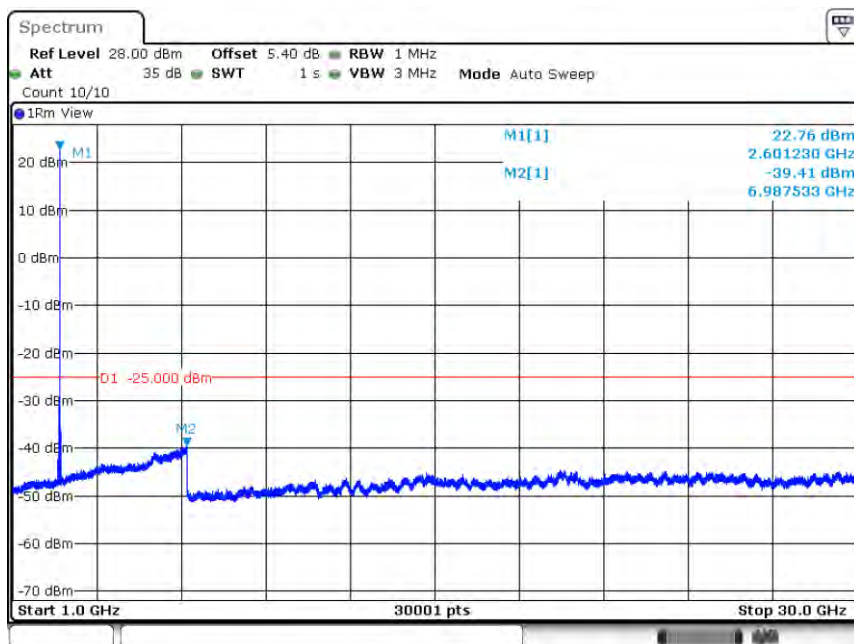


Date: 15.AUG.2020 00:38:17



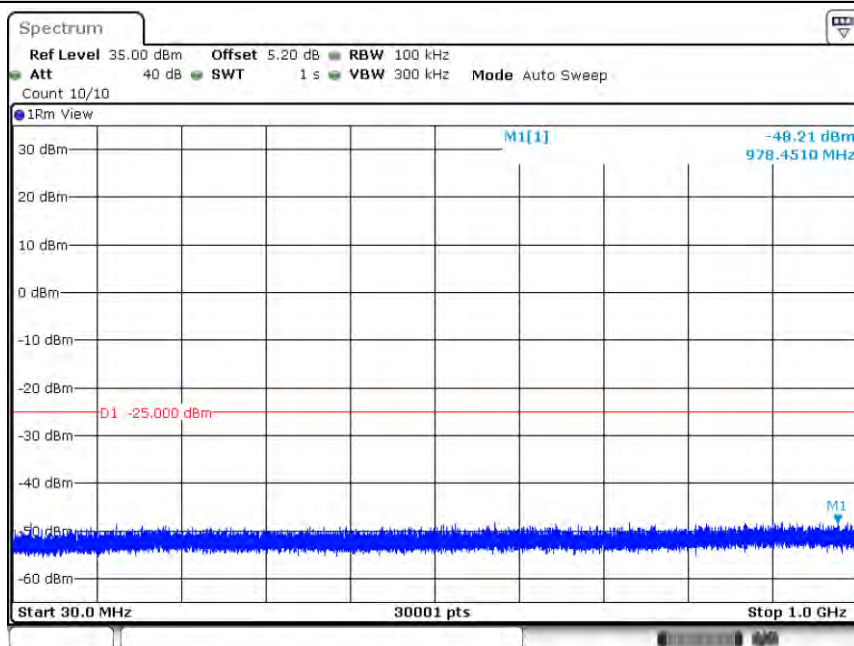
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## Band38-20MHz-QPSK-38150-1RB#0-Range2:1000~30000MHz



Date: 15.AUG.2020 00:38:33

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

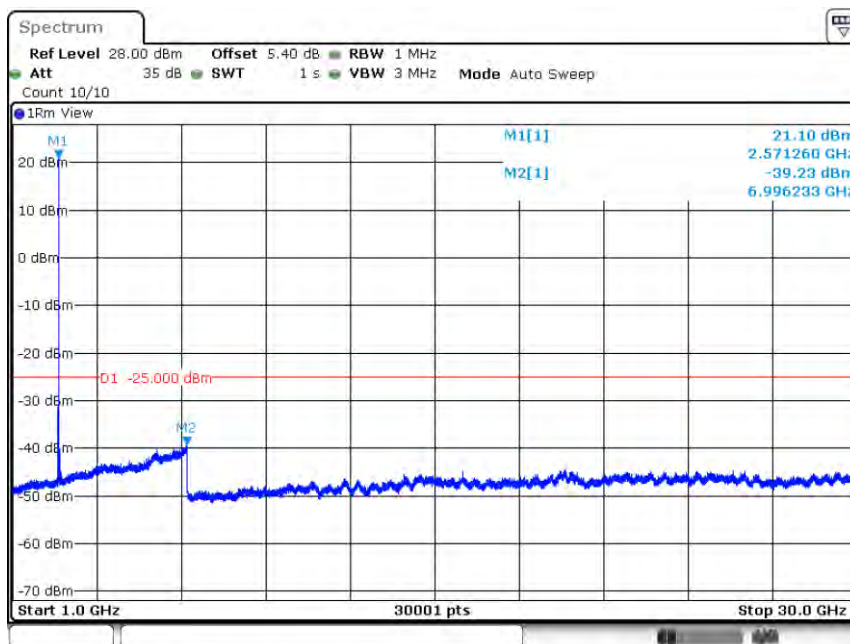


Date: 15.AUG.2020 02:45:50



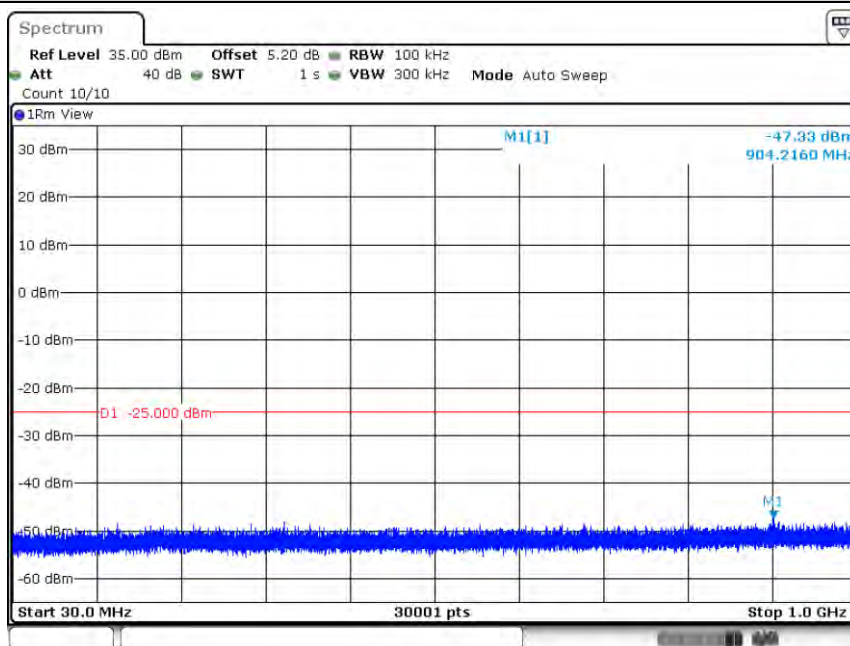


Band38-20MHz-64QAM-37850-1RB#0-Range2:1000~30000MHz



Date: 15.AUG.2020 02:46:07

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



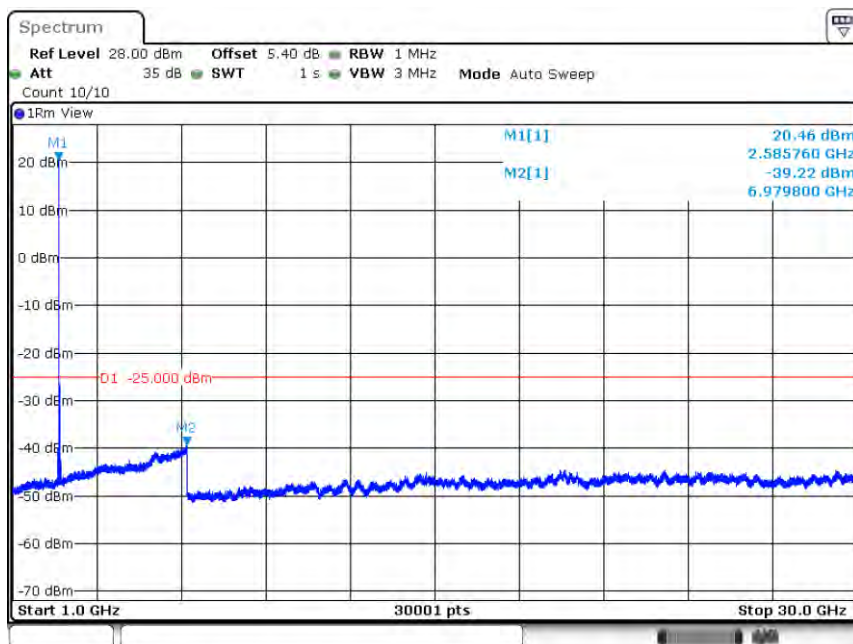
Date: 15.AUG.2020 02:46:26



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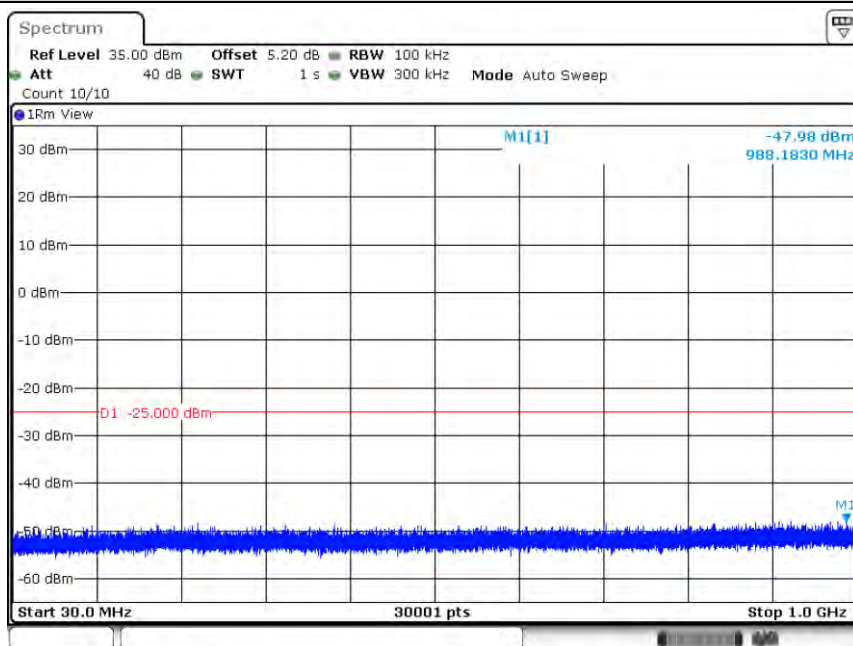
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## Band38-20MHz-64QAM-38000-1RB#0-Range2:1000~30000MHz



Date: 15.AUG.2020 02:46:43

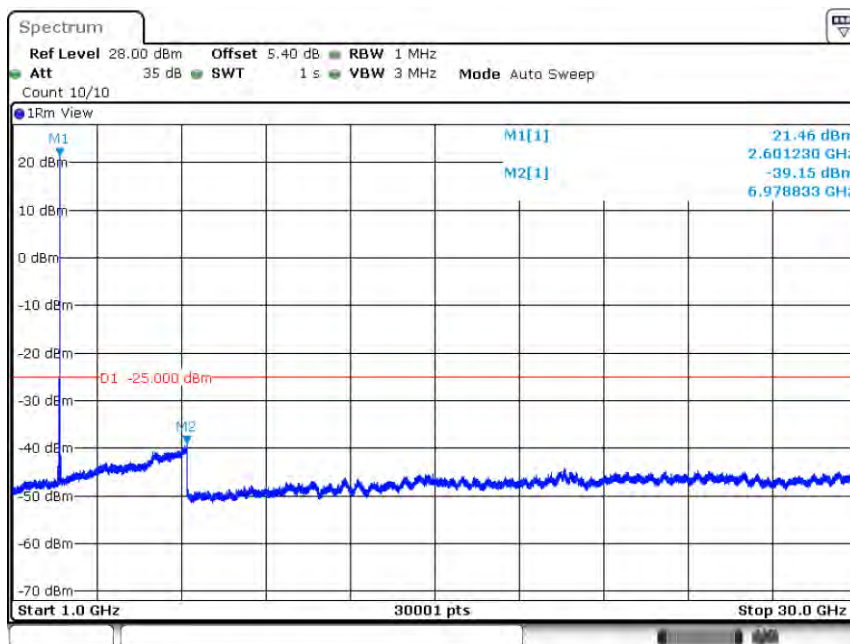
## Band38-20MHz-64QAM-38150-1RB#0-Range1:30~1000MHz



Date: 15.AUG.2020 02:47:02

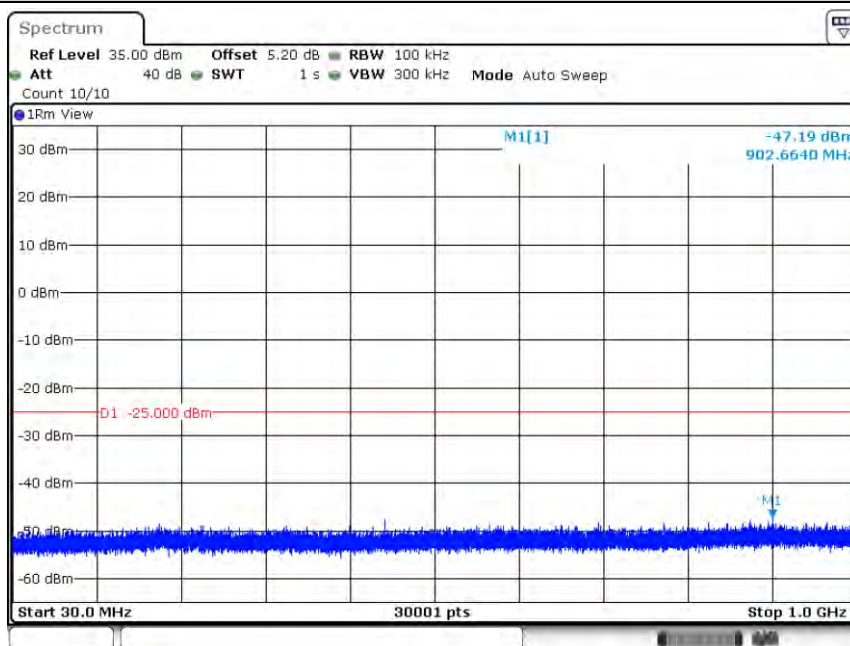


**Band38-20MHz-64QAM-38150-1RB#0-Range2:1000~30000MHz**



Date: 15.AUG.2020 02:47:18

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



Date: 15.AUG.2020 00:36:30

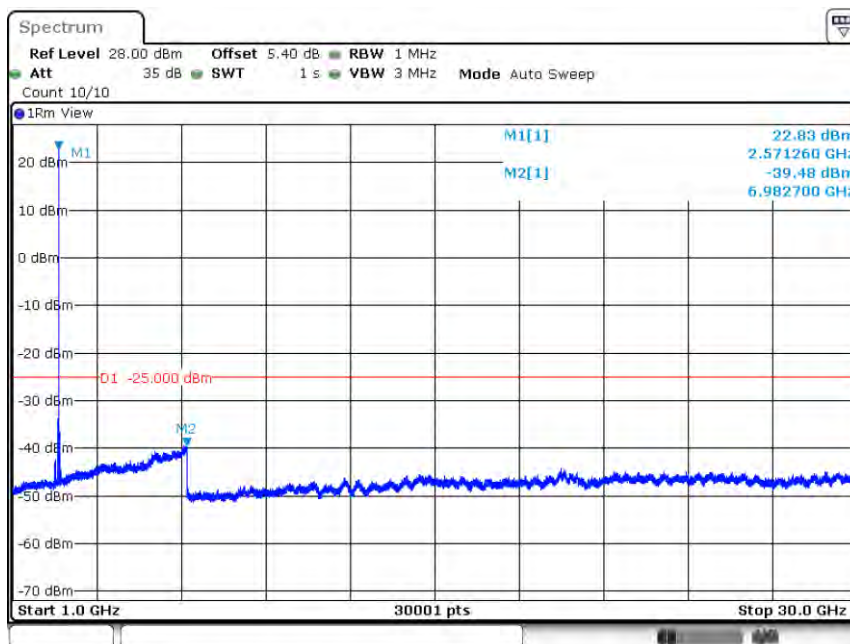


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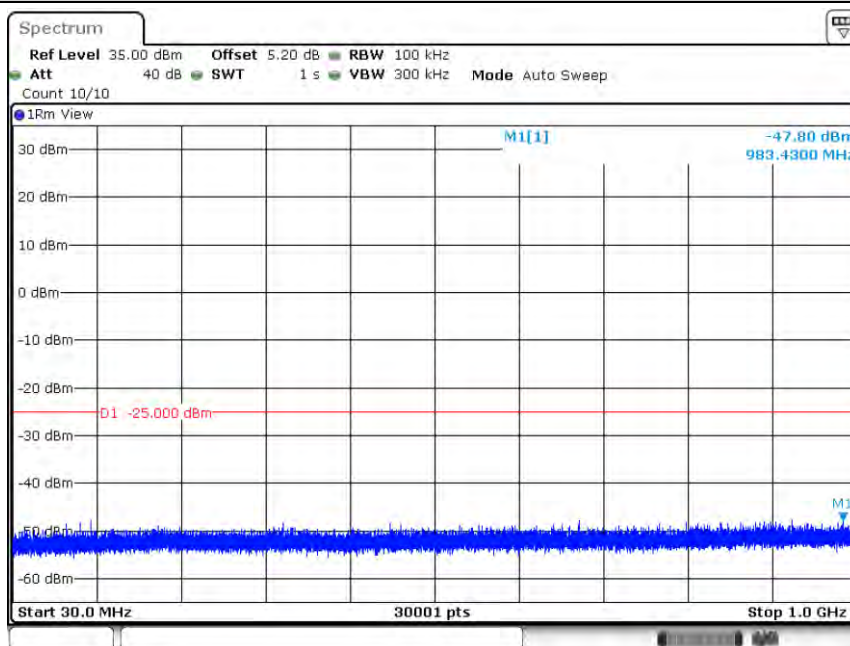


Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~30000MHz



Date: 15.AUG.2020 00:36:47

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



Date: 15.AUG.2020 00:37:41

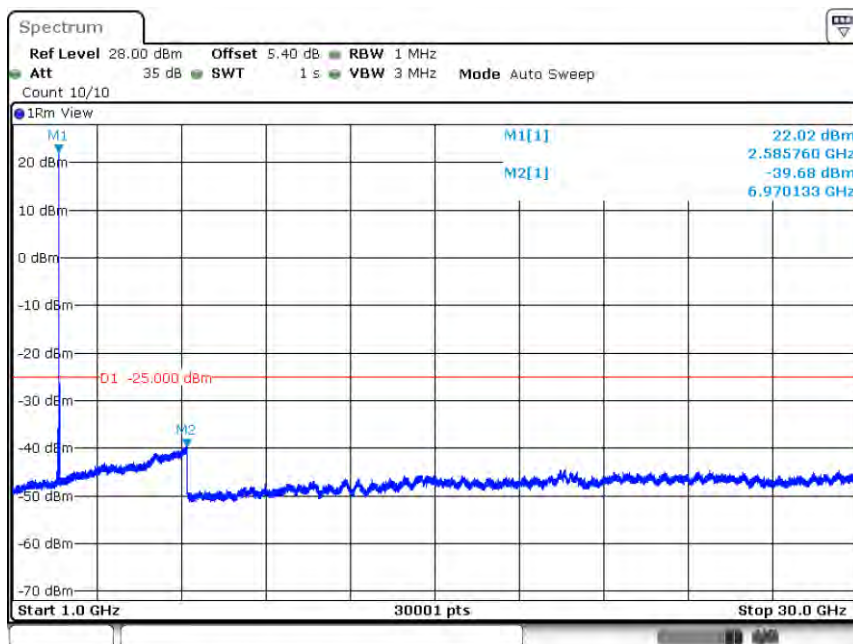


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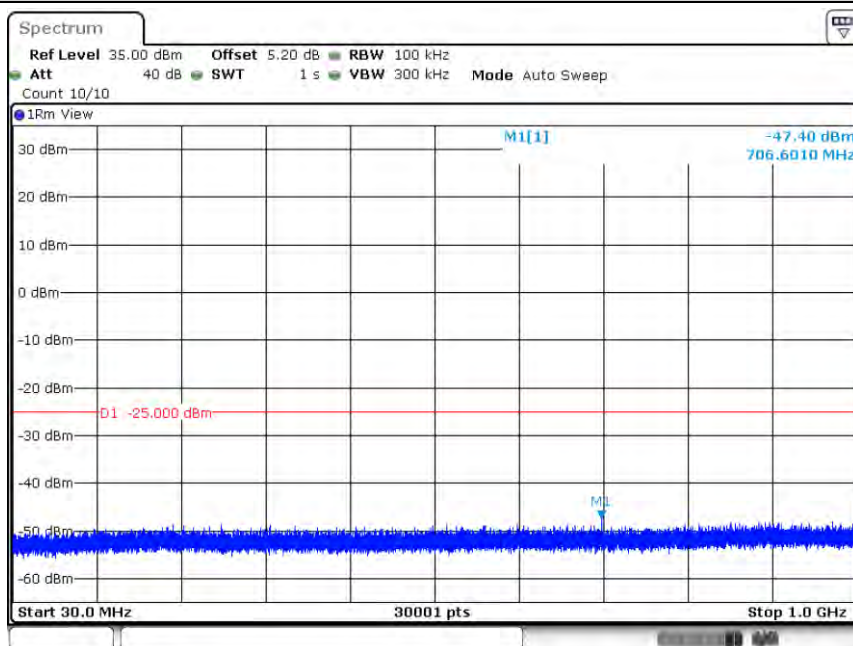


Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~30000MHz



Date: 15.AUG.2020 00:37:58

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

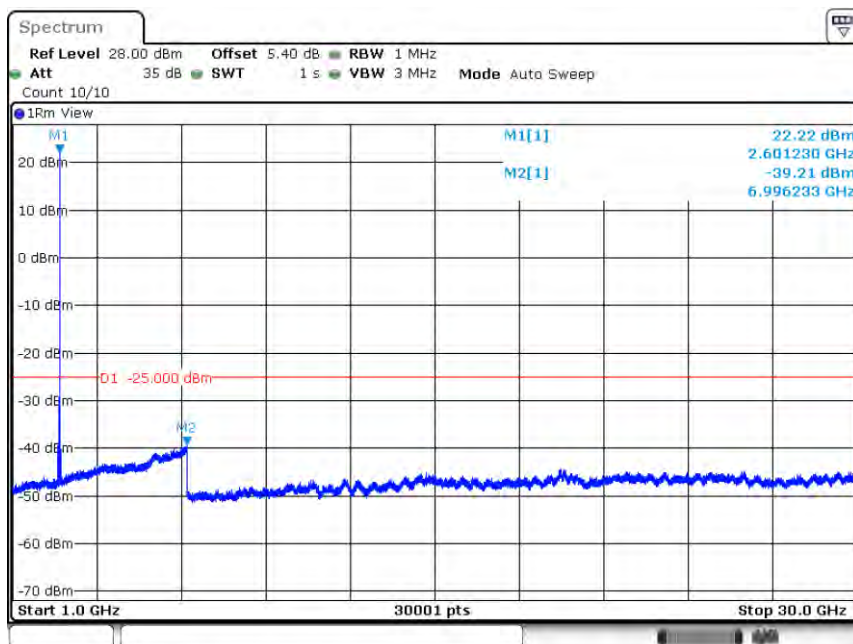


Date: 15.AUG.2020 00:38:52





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



Date: 15.AUG.2020 00:39:09



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 20MHz(Up Antenna)

#### 7.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height (cm) | Angle (°) | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 49.7405         | -71.12      | -25.00           | 46.12       | 222         | 296       | Vertical     |
| 113.9092        | -64.38      | -25.00           | 39.38       | 271         | 5         | Vertical     |
| 340.4640        | -67.93      | -25.00           | 42.93       | 245         | 296       | Vertical     |
| 5142.0714       | -52.97      | -25.00           | 27.97       | 263         | 34        | Vertical     |
| 9331.7111       | -52.50      | -25.00           | 27.50       | 247         | 245       | Vertical     |
| 17995.9999      | -39.97      | -25.00           | 14.97       | 258         | 144       | Vertical     |
| 39.5065         | -64.65      | -25.00           | 39.65       | 187         | 6         | Horizontal   |
| 102.1716        | -75.35      | -25.00           | 50.35       | 165         | 121       | Horizontal   |
| 241.5191        | -68.62      | -25.00           | 43.62       | 184         | 33        | Horizontal   |
| 5142.0714       | -54.90      | -25.00           | 29.90       | 162         | 6         | Horizontal   |
| 10393.2464      | -52.74      | -25.00           | 27.74       | 187         | 262       | Horizontal   |
| 16394.9465      | -43.84      | -25.00           | 18.84       | 169         | 232       | Horizontal   |

#### 7.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height (cm) | Angle (°) | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 47.3154         | -71.13      | -25.00           | 46.13       | 241         | 0         | Vertical     |
| 109.7865        | -64.69      | -25.00           | 39.69       | 258         | 244       | Vertical     |
| 610.2830        | -63.87      | -25.00           | 38.87       | 271         | 20        | Vertical     |
| 5172.0724       | -53.04      | -25.00           | 28.04       | 263         | 74        | Vertical     |
| 10072.2357      | -52.19      | -25.00           | 27.19       | 288         | 0         | Vertical     |
| 17996.9999      | -40.28      | -25.00           | 15.28       | 214         | 101       | Vertical     |
| 41.3011         | -63.71      | -25.00           | 38.71       | 147         | 174       | Horizontal   |
| 87.8149         | -73.87      | -25.00           | 48.87       | 165         | 10        | Horizontal   |
| 229.0540        | -68.07      | -25.00           | 43.07       | 184         | 71        | Horizontal   |
| 5172.0724       | -54.17      | -25.00           | 29.17       | 157         | 174       | Horizontal   |
| 9320.2107       | -52.54      | -25.00           | 27.54       | 162         | 294       | Horizontal   |
| 16400.4467      | -44.06      | -25.00           | 19.06       | 194         | 122       | Horizontal   |





### 7.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height (cm) | Angle (°) | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 46.9758         | -73.66      | -25.00           | 48.66       | 224         | 16        | Vertical     |
| 111.1446        | -64.83      | -25.00           | 39.83       | 162         | 156       | Vertical     |
| 287.6934        | -68.92      | -25.00           | 43.92       | 284         | 343       | Vertical     |
| 5202.0734       | -55.09      | -25.00           | 30.09       | 247         | 77        | Vertical     |
| 10590.7530      | -51.21      | -25.00           | 26.21       | 251         | 156       | Vertical     |
| 17997.9999      | -40.77      | -25.00           | 15.77       | 236         | 216       | Vertical     |
| 43.5807         | -64.03      | -25.00           | 39.03       | 198         | 189       | Horizontal   |
| 108.8649        | -75.81      | -25.00           | 50.81       | 174         | 189       | Horizontal   |
| 232.7401        | -68.00      | -25.00           | 43.00       | 162         | 2         | Horizontal   |
| 5202.0734       | -56.34      | -25.00           | 31.34       | 187         | 160       | Horizontal   |
| 9309.7103       | -52.64      | -25.00           | 27.64       | 165         | 71        | Horizontal   |
| 16403.4468      | -44.01      | -25.00           | 19.01       | 184         | 2         | Horizontal   |



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## 7.2. Test Mode =LTE/TM1 20MHz(Down Antenna)

### 7.2.1.Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height (cm) | Angle (°) | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 111.6296        | -65.64      | -25.00           | 40.64       | 196         | 83        | Vertical     |
| 563.0417        | -66.23      | -25.00           | 41.23       | 152         | 207       | Vertical     |
| 1798.5597       | -44.27      | -25.00           | 19.27       | 262         | 345       | Vertical     |
| 5142.0714       | -53.10      | -25.00           | 28.10       | 225         | 59        | Vertical     |
| 14475.3825      | -47.86      | -25.00           | 22.86       | 261         | 83        | Vertical     |
| 17992.9998      | -40.42      | -25.00           | 15.42       | 189         | 59        | Vertical     |
| 43.2412         | -63.60      | -25.00           | 38.60       | 277         | 133       | Horizontal   |
| 230.7030        | -67.88      | -25.00           | 42.88       | 112         | 232       | Horizontal   |
| 1806.9614       | -43.58      | -25.00           | 18.58       | 125         | 360       | Horizontal   |
| 5142.0714       | -55.14      | -25.00           | 30.14       | 185         | 10        | Horizontal   |
| 12934.8312      | -50.33      | -25.00           | 25.33       | 196         | 108       | Horizontal   |
| 16392.4464      | -44.12      | -25.00           | 19.12       | 206         | 182       | Horizontal   |

### 7.2.2.Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height (cm) | Angle (°) | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 116.3343        | -65.30      | -25.00           | 40.30       | 211         | 133       | Vertical     |
| 617.3159        | -63.99      | -25.00           | 38.99       | 284         | 109       | Vertical     |
| 1782.5565       | -44.31      | -25.00           | 19.31       | 296         | 304       | Vertical     |
| 5172.0724       | -54.17      | -25.00           | 29.17       | 252         | 59        | Vertical     |
| 14460.8820      | -47.98      | -25.00           | 22.98       | 205         | 34        | Vertical     |
| 17996.4999      | -40.57      | -25.00           | 15.57       | 209         | 84        | Vertical     |
| 41.9801         | -63.70      | -25.00           | 38.70       | 263         | 84        | Horizontal   |
| 245.3508        | -67.87      | -25.00           | 42.87       | 222         | 133       | Horizontal   |
| 1598.9198       | -45.11      | -25.00           | 20.11       | 188         | 259       | Horizontal   |
| 5172.0724       | -55.75      | -25.00           | 30.75       | 169         | 208       | Horizontal   |
| 12886.3295      | -50.20      | -25.00           | 25.20       | 152         | 59        | Horizontal   |
| 16399.4466      | -43.81      | -25.00           | 18.81       | 111         | 158       | Horizontal   |



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### 7.2.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height (cm) | Angle (°) | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 109.0105        | -66.06      | -25.00           | 41.06       | 209         | 257       | Vertical     |
| 508.2824        | -65.35      | -25.00           | 40.35       | 228         | 10        | Vertical     |
| 1728.9458       | -44.28      | -25.00           | 19.28       | 261         | 138       | Vertical     |
| 5202.0734       | -55.17      | -25.00           | 30.17       | 109         | 59        | Vertical     |
| 14453.8818      | -48.18      | -25.00           | 23.18       | 111         | 307       | Vertical     |
| 17996.4999      | -40.63      | -25.00           | 15.63       | 129         | 109       | Vertical     |
| 46.9273         | -64.39      | -25.00           | 39.39       | 163         | 307       | Horizontal   |
| 225.8043        | -69.92      | -25.00           | 44.92       | 111         | 331       | Horizontal   |
| 1801.3603       | -43.61      | -25.00           | 18.61       | 185         | 80        | Horizontal   |
| 5202.0734       | -56.11      | -25.00           | 31.11       | 169         | 208       | Horizontal   |
| 12937.3312      | -50.42      | -25.00           | 25.42       | 184         | 307       | Horizontal   |
| 16401.4467      | -44.04      | -25.00           | 19.04       | 206         | 208       | Horizontal   |

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.



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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               | -6.40          | -0.002481       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0      | VN            | NT               | -5.80          | -0.002248       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 37850   | 100RB#0      | VH            | NT               | -5.10          | -0.001977       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VL            | NT               | -8.20          | -0.003160       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VN            | NT               | -8.00          | -0.003083       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38000   | 100RB#0      | VH            | NT               | -5.20          | -0.002004       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0      | VL            | NT               | -5.90          | -0.002261       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0      | VN            | NT               | -6.70          | -0.002567       | ±2.5        | PASS    |
| Band38 | 20MHz     | QPSK       | 38150   | 100RB#0      | VH            | NT               | -7.60          | -0.002912       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0      | VL            | NT               | -8.20          | -0.003178       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0      | VN            | NT               | -3.30          | -0.001279       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 37850   | 100RB#0      | VH            | NT               | -5.60          | -0.002171       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0      | VL            | NT               | -9.00          | -0.003468       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0      | VN            | NT               | -4.20          | -0.001618       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38000   | 100RB#0      | VH            | NT               | -5.80          | -0.002235       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0      | VL            | NT               | -10.90         | -0.004176       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0      | VN            | NT               | -7.30          | -0.002797       | ±2.5        | PASS    |
| Band38 | 20MHz     | 64QAM      | 38150   | 100RB#0      | VH            | NT               | -8.80          | -0.003372       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0      | VL            | NT               | -9.60          | -0.003721       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0      | VN            | NT               | -6.90          | -0.002674       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 37850   | 100RB#0      | VH            | NT               | -8.60          | -0.003333       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0      | VL            | NT               | -8.40          | -0.003237       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0      | VN            | NT               | -8.30          | -0.003198       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38000   | 100RB#0      | VH            | NT               | -9.30          | -0.003584       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0      | VL            | NT               | -8.70          | -0.003333       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0      | VN            | NT               | -6.80          | -0.002605       | ±2.5        | PASS    |
| Band38 | 20MHz     | 16QAM      | 38150   | 100RB#0      | VH            | NT               | -5.30          | -0.002031       | ±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 |
|------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
|------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|



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|        |       |       |       |         |    |     |        |           |      |      |
|--------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | -30 | -9.20  | -0.003566 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | -20 | -4.60  | -0.001783 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 0   | -6.40  | -0.002481 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 10  | -7.50  | -0.002907 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 20  | -6.30  | -0.002442 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 30  | -5.50  | -0.002132 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 40  | -8.40  | -0.003256 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 37850 | 100RB#0 | NV | 50  | -6.90  | -0.002674 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | -30 | -6.10  | -0.002351 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | -20 | -10.20 | -0.003931 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 0   | -2.70  | -0.001040 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 10  | -5.60  | -0.002158 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 20  | -2.70  | -0.001040 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 30  | -5.90  | -0.002274 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 40  | -8.20  | -0.003160 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38000 | 100RB#0 | NV | 50  | -6.70  | -0.002582 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | -30 | -6.40  | -0.002452 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | -20 | -9.20  | -0.003525 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 0   | -8.00  | -0.003065 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 10  | -5.90  | -0.002261 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 20  | -7.20  | -0.002759 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 30  | -8.10  | -0.003103 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 40  | -6.90  | -0.002644 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK  | 38150 | 100RB#0 | NV | 50  | -2.10  | -0.000805 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | -30 | -8.10  | -0.003140 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | -20 | -7.30  | -0.002829 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 0   | -6.70  | -0.002597 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 10  | -5.90  | -0.002287 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 20  | -7.20  | -0.002791 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 30  | -6.70  | -0.002597 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 40  | -9.50  | -0.003682 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 50  | -7.80  | -0.003023 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -30 | -5.00  | -0.001927 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -20 | -10.10 | -0.003892 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 0   | -8.40  | -0.003237 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 10  | -8.40  | -0.003237 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 20  | -9.60  | -0.003699 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 30  | -7.00  | -0.002697 | ±2.5 | PASS |



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|        |       |       |       |         |    |     |        |           |      |      |
|--------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 40  | -10.20 | -0.003931 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 50  | -11.40 | -0.004393 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | -30 | -6.00  | -0.002299 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | -20 | -7.20  | -0.002759 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 0   | -8.00  | -0.003065 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 10  | -7.70  | -0.002950 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 20  | -9.50  | -0.003640 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 30  | -5.50  | -0.002107 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 40  | -6.30  | -0.002414 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 50  | -6.00  | -0.002299 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -30 | -5.60  | -0.002171 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -20 | -7.30  | -0.002829 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 0   | -8.60  | -0.003333 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 10  | 23.70  | 0.009186  | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 20  | -6.60  | -0.002558 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 30  | -6.80  | -0.002636 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 40  | -6.00  | -0.002326 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 50  | -6.70  | -0.002597 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -30 | -9.10  | -0.003507 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -20 | -3.80  | -0.001464 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 0   | -8.80  | -0.003391 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 10  | -8.40  | -0.003237 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 20  | -8.00  | -0.003083 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 30  | -7.40  | -0.002852 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 40  | -8.10  | -0.003121 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 50  | -8.00  | -0.003083 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -30 | -6.10  | -0.002337 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -20 | -7.00  | -0.002682 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 0   | -7.00  | -0.002682 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 10  | -5.80  | -0.002222 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 20  | -6.30  | -0.002414 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 30  | -4.80  | -0.001839 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 40  | -5.00  | -0.001916 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 50  | -8.50  | -0.003257 | ±2.5 | PASS |



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