



Appendix B

E-UTRA Band 38



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

CONFIG 0 :

| Band | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------|--------------|------------|-------------|---------|
| Band38 | 5MHz | QPSK | 37775 | 1RB#0 | 24.01 | 23.81 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 1RB#12 | 24.06 | 23.86 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 1RB#24 | 24.19 | 23.99 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 12RB#0 | 23.16 | 22.96 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 12RB#6 | 23.17 | 22.97 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 12RB#13 | 23.21 | 23.01 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 25RB#0 | 23.17 | 22.97 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 1RB#0 | 24.53 | 24.33 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 1RB#12 | 24.52 | 24.32 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 1RB#24 | 24.45 | 24.25 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 12RB#0 | 23.50 | 23.30 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 12RB#6 | 23.56 | 23.36 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 12RB#13 | 23.60 | 23.40 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | 23.60 | 23.40 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 1RB#0 | 24.56 | 24.36 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 1RB#12 | 24.44 | 24.24 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 1RB#24 | 24.65 | 24.45 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 12RB#0 | 23.67 | 23.47 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 12RB#6 | 23.72 | 23.52 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 12RB#13 | 23.76 | 23.56 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 25RB#0 | 23.58 | 23.38 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#0 | 23.10 | 22.90 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#12 | 22.98 | 22.78 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#24 | 23.05 | 22.85 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 12RB#0 | 22.12 | 21.92 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 12RB#6 | 22.07 | 21.87 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 12RB#13 | 22.09 | 21.89 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 25RB#0 | 21.97 | 21.77 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#0 | 23.46 | 23.26 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#12 | 23.49 | 23.29 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#24 | 23.47 | 23.27 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 5MHz | 16QAM | 38000 | 12RB#0 | 22.48 | 22.28 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 12RB#6 | 22.47 | 22.27 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 12RB#13 | 22.65 | 22.45 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | 22.41 | 22.21 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#0 | 23.64 | 23.44 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#12 | 23.51 | 23.31 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#24 | 23.54 | 23.34 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 12RB#0 | 22.88 | 22.68 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 12RB#6 | 22.72 | 22.52 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 12RB#13 | 22.80 | 22.60 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 25RB#0 | 22.61 | 22.41 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 1RB#0 | 22.10 | 21.90 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 1RB#12 | 21.96 | 21.76 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 1RB#24 | 22.04 | 21.84 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 12RB#0 | 21.09 | 20.89 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 12RB#6 | 21.02 | 20.82 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 12RB#13 | 21.09 | 20.89 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 25RB#0 | 20.96 | 20.76 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#0 | 22.44 | 22.24 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#12 | 22.47 | 22.27 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#24 | 22.42 | 22.22 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 12RB#0 | 21.45 | 21.25 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 12RB#6 | 21.46 | 21.26 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 12RB#13 | 21.61 | 21.41 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | 21.36 | 21.16 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#0 | 22.61 | 22.41 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#12 | 22.50 | 22.30 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#24 | 22.52 | 22.32 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 12RB#0 | 21.84 | 21.64 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 12RB#6 | 21.67 | 21.47 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 12RB#13 | 21.80 | 21.60 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 25RB#0 | 21.56 | 21.36 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 1RB#0 | 24.12 | 23.92 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 1RB#24 | 24.24 | 24.04 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 1RB#49 | 24.61 | 24.41 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 25RB#0 | 23.25 | 23.05 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 25RB#12 | 23.40 | 23.20 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 25RB#25 | 23.35 | 23.15 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 10MHz | QPSK | 37800 | 50RB#0 | 23.23 | 23.03 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 1RB#0 | 24.59 | 24.39 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 1RB#24 | 24.49 | 24.29 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 1RB#49 | 24.54 | 24.34 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 25RB#0 | 23.55 | 23.35 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 25RB#12 | 23.52 | 23.32 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 25RB#25 | 23.59 | 23.39 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | 23.50 | 23.30 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 1RB#0 | 24.74 | 24.54 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 1RB#24 | 24.54 | 24.34 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 1RB#49 | 24.75 | 24.55 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 25RB#0 | 23.67 | 23.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 25RB#12 | 23.67 | 23.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 25RB#25 | 23.91 | 23.71 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 50RB#0 | 23.71 | 23.51 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0 | 23.08 | 22.88 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#24 | 23.24 | 23.04 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#49 | 23.54 | 23.34 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#0 | 22.17 | 21.97 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#12 | 22.24 | 22.04 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#25 | 22.40 | 22.20 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | 22.35 | 22.15 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0 | 23.58 | 23.38 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#24 | 23.49 | 23.29 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#49 | 23.58 | 23.38 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#0 | 22.58 | 22.38 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#12 | 22.64 | 22.44 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#25 | 22.58 | 22.38 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | 22.75 | 22.55 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0 | 23.71 | 23.51 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#24 | 23.66 | 23.46 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#49 | 23.85 | 23.65 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#0 | 22.74 | 22.54 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#12 | 22.69 | 22.49 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#25 | 22.87 | 22.67 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | 22.77 | 22.57 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#0 | 22.09 | 21.89 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#24 | 21.96 | 21.76 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 10MHz | 64QAM | 37800 | 1RB#49 | 22.02 | 21.82 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#0 | 21.08 | 20.88 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#12 | 21.05 | 20.85 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#25 | 21.06 | 20.86 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 50RB#0 | 20.92 | 20.72 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#0 | 22.42 | 22.22 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#24 | 22.47 | 22.27 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#49 | 22.43 | 22.23 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#0 | 21.45 | 21.25 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#12 | 21.43 | 21.23 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#25 | 21.61 | 21.41 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | 21.38 | 21.18 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#0 | 22.64 | 22.44 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#24 | 22.46 | 22.26 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#49 | 22.50 | 22.30 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#0 | 21.84 | 21.64 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#12 | 21.70 | 21.50 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#25 | 21.76 | 21.56 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 50RB#0 | 21.58 | 21.38 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 1RB#0 | 24.44 | 24.24 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 1RB#38 | 24.64 | 24.44 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 1RB#74 | 23.33 | 23.13 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 38RB#0 | 23.27 | 23.07 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 38RB#18 | 23.32 | 23.12 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 38RB#37 | 23.33 | 23.13 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 75RB#0 | 24.71 | 24.51 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 1RB#0 | 24.48 | 24.28 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 1RB#38 | 24.52 | 24.32 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 1RB#74 | 23.64 | 23.44 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 38RB#0 | 23.67 | 23.47 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 38RB#18 | 23.49 | 23.29 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 38RB#37 | 23.64 | 23.44 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | 24.51 | 24.31 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 1RB#0 | 24.49 | 24.29 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 1RB#38 | 24.67 | 24.47 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 1RB#74 | 23.73 | 23.53 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 38RB#0 | 23.61 | 23.41 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 38RB#18 | 23.78 | 23.58 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | QPSK | 38175 | 38RB#37 | 23.69 | 23.49 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 75RB#0 | 23.15 | 22.95 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0 | 23.31 | 23.11 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#38 | 23.46 | 23.26 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#74 | 22.28 | 22.08 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#0 | 22.46 | 22.26 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#18 | 22.18 | 21.98 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#37 | 22.26 | 22.06 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | 23.40 | 23.20 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0 | 23.47 | 23.27 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#38 | 23.58 | 23.38 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#74 | 22.54 | 22.34 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#0 | 22.62 | 22.42 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#18 | 22.71 | 22.51 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#37 | 22.48 | 22.28 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | 23.55 | 23.35 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0 | 23.68 | 23.48 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#38 | 23.86 | 23.66 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#74 | 22.65 | 22.45 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#0 | 22.83 | 22.63 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#18 | 22.84 | 22.64 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#37 | 22.81 | 22.61 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0 | 22.10 | 21.90 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#0 | 21.98 | 21.78 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#38 | 22.05 | 21.85 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#74 | 21.07 | 20.87 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#0 | 21.04 | 20.84 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#18 | 21.07 | 20.87 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#37 | 20.97 | 20.77 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 75RB#0 | 22.42 | 22.22 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#0 | 22.49 | 22.29 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#38 | 22.42 | 22.22 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#74 | 21.47 | 21.27 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#0 | 21.45 | 21.25 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#18 | 21.60 | 21.40 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#37 | 21.37 | 21.17 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | 22.64 | 22.44 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#0 | 22.49 | 22.29 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | 64QAM | 38175 | 1RB#38 | 22.53 | 22.33 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#74 | 21.85 | 21.65 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 38RB#0 | 21.71 | 21.51 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 38RB#18 | 21.75 | 21.55 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 38RB#37 | 21.57 | 21.37 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 75RB#0 | 24.44 | 24.24 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#0 | 23.97 | 23.77 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#49 | 24.17 | 23.97 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#99 | 24.31 | 24.11 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 50RB#0 | 23.15 | 22.95 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 50RB#25 | 23.20 | 23.00 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 50RB#50 | 23.54 | 23.34 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | 23.20 | 23.00 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#0 | 24.32 | 24.12 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#49 | 24.26 | 24.06 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#99 | 24.41 | 24.21 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 50RB#0 | 23.60 | 23.40 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 50RB#25 | 23.62 | 23.42 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 50RB#50 | 23.62 | 23.42 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | 23.45 | 23.25 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#0 | 24.69 | 24.49 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#49 | 24.77 | 24.57 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#99 | 24.76 | 24.56 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 50RB#0 | 23.60 | 23.40 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 50RB#25 | 23.66 | 23.46 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 50RB#50 | 23.65 | 23.45 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | 23.75 | 23.55 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | 23.02 | 22.82 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#49 | 23.20 | 23.00 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#99 | 23.39 | 23.19 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#0 | 22.07 | 21.87 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#25 | 22.38 | 22.18 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#50 | 22.41 | 22.21 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 22.33 | 22.13 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0 | 23.49 | 23.29 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#49 | 23.41 | 23.21 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#99 | 23.55 | 23.35 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#0 | 22.64 | 22.44 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 20MHz | 16QAM | 38000 | 50RB#25 | 22.41 | 22.21 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#50 | 22.81 | 22.61 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 22.41 | 22.21 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0 | 23.56 | 23.36 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#49 | 23.54 | 23.34 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#99 | 23.69 | 23.49 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#0 | 22.69 | 22.49 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#25 | 22.82 | 22.62 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#50 | 22.88 | 22.68 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 22.63 | 22.43 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#0 | 22.05 | 21.85 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#49 | 21.97 | 21.77 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#99 | 22.02 | 21.82 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#0 | 21.09 | 20.89 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#25 | 21.02 | 20.82 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#50 | 21.06 | 20.86 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | 20.93 | 20.73 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#0 | 22.41 | 22.21 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#49 | 22.44 | 22.24 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#99 | 22.44 | 22.24 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#0 | 21.45 | 21.25 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#25 | 21.44 | 21.24 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#50 | 21.61 | 21.41 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 21.41 | 21.21 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#0 | 22.60 | 22.40 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#49 | 22.48 | 22.28 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#99 | 22.49 | 22.29 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#0 | 21.85 | 21.65 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#25 | 21.67 | 21.47 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#50 | 21.80 | 21.60 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 21.56 | 21.36 | 33.00 | PASS |



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CONFIG 1 :

| Band | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------|--------------|------------|-------------|---------|
| Band38 | 5MHz | QPSK | 37775 | 1RB#0 | 22.79 | 22.89 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 1RB#12 | 22.77 | 22.87 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 1RB#24 | 22.71 | 22.81 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 12RB#0 | 21.65 | 21.75 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 12RB#6 | 21.73 | 21.83 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 12RB#13 | 21.81 | 21.91 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 25RB#0 | 21.78 | 21.88 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 1RB#0 | 22.43 | 22.53 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 1RB#12 | 22.26 | 22.36 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 1RB#24 | 22.25 | 22.35 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 12RB#0 | 21.29 | 21.39 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 12RB#6 | 21.30 | 21.40 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 12RB#13 | 21.42 | 21.52 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | 21.34 | 21.44 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 1RB#0 | 22.76 | 22.86 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 1RB#12 | 22.74 | 22.84 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 1RB#24 | 22.76 | 22.86 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 12RB#0 | 21.81 | 21.91 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 12RB#6 | 21.95 | 22.05 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 12RB#13 | 21.87 | 21.97 | 33.00 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 25RB#0 | 21.82 | 21.92 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#0 | 21.67 | 21.77 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#12 | 21.85 | 21.95 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#24 | 21.79 | 21.89 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 12RB#0 | 20.64 | 20.74 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 12RB#6 | 20.77 | 20.87 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 12RB#13 | 20.75 | 20.85 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 25RB#0 | 20.78 | 20.88 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#0 | 21.48 | 21.58 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#12 | 21.41 | 21.51 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#24 | 21.32 | 21.42 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 12RB#0 | 20.33 | 20.43 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 12RB#6 | 20.43 | 20.53 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 12RB#13 | 20.41 | 20.51 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | 20.43 | 20.53 | 33.00 | PASS |



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|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 5MHz | 16QAM | 38225 | 1RB#0 | 21.81 | 21.91 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#12 | 21.80 | 21.90 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#24 | 21.77 | 21.87 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 12RB#0 | 20.81 | 20.91 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 12RB#6 | 20.91 | 21.01 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 12RB#13 | 20.80 | 20.90 | 33.00 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 25RB#0 | 21.01 | 21.11 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 1RB#0 | 20.63 | 20.73 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 1RB#12 | 20.85 | 20.95 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 1RB#24 | 20.79 | 20.89 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 12RB#0 | 19.60 | 19.70 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 12RB#6 | 19.72 | 19.82 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 12RB#13 | 19.75 | 19.85 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 25RB#0 | 19.74 | 19.84 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#0 | 20.46 | 20.56 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#12 | 20.40 | 20.50 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#24 | 20.28 | 20.38 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 12RB#0 | 19.29 | 19.39 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 12RB#6 | 19.43 | 19.53 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 12RB#13 | 19.37 | 19.47 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | 19.40 | 19.50 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#0 | 20.76 | 20.86 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#12 | 20.77 | 20.87 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#24 | 20.73 | 20.83 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 12RB#0 | 19.79 | 19.89 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 12RB#6 | 19.86 | 19.96 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 12RB#13 | 19.76 | 19.86 | 33.00 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 25RB#0 | 20.00 | 20.10 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 1RB#0 | 22.80 | 22.90 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 1RB#24 | 22.88 | 22.98 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 1RB#49 | 22.73 | 22.83 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 25RB#0 | 21.76 | 21.86 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 25RB#12 | 21.81 | 21.91 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 25RB#25 | 21.84 | 21.94 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 50RB#0 | 21.84 | 21.94 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 1RB#0 | 22.41 | 22.51 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 1RB#24 | 22.27 | 22.37 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 1RB#49 | 22.32 | 22.42 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 10MHz | QPSK | 38000 | 25RB#0 | 21.38 | 21.48 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 25RB#12 | 21.28 | 21.38 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 25RB#25 | 21.45 | 21.55 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | 21.37 | 21.47 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 1RB#0 | 22.73 | 22.83 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 1RB#24 | 22.70 | 22.80 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 1RB#49 | 22.73 | 22.83 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 25RB#0 | 21.87 | 21.97 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 25RB#12 | 21.93 | 22.03 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 25RB#25 | 21.84 | 21.94 | 33.00 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 50RB#0 | 21.79 | 21.89 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0 | 21.65 | 21.75 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#24 | 21.90 | 22.00 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#49 | 21.78 | 21.88 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#0 | 20.68 | 20.78 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#12 | 20.73 | 20.83 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 25RB#25 | 20.78 | 20.88 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | 20.77 | 20.87 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0 | 21.54 | 21.64 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#24 | 21.48 | 21.58 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#49 | 21.33 | 21.43 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#0 | 20.42 | 20.52 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#12 | 20.45 | 20.55 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 25RB#25 | 20.43 | 20.53 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | 20.45 | 20.55 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0 | 21.87 | 21.97 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#24 | 21.81 | 21.91 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#49 | 21.88 | 21.98 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#0 | 20.94 | 21.04 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#12 | 20.91 | 21.01 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 25RB#25 | 20.86 | 20.96 | 33.00 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | 21.07 | 21.17 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#0 | 20.64 | 20.74 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#24 | 20.83 | 20.93 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#49 | 20.77 | 20.87 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#0 | 19.60 | 19.70 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#12 | 19.75 | 19.85 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 25RB#25 | 19.71 | 19.81 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 10MHz | 64QAM | 37800 | 50RB#0 | 19.75 | 19.85 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#0 | 20.48 | 20.58 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#24 | 20.39 | 20.49 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#49 | 20.31 | 20.41 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#0 | 19.33 | 19.43 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#12 | 19.43 | 19.53 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 25RB#25 | 19.40 | 19.50 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | 19.39 | 19.49 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#0 | 20.77 | 20.87 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#24 | 20.76 | 20.86 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#49 | 20.77 | 20.87 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#0 | 19.81 | 19.91 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#12 | 19.89 | 19.99 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 25RB#25 | 19.78 | 19.88 | 33.00 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 50RB#0 | 20.00 | 20.10 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 1RB#0 | 22.83 | 22.93 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 1RB#38 | 22.77 | 22.87 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 1RB#74 | 22.97 | 23.07 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 38RB#0 | 21.82 | 21.92 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 38RB#18 | 21.79 | 21.89 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 38RB#37 | 21.78 | 21.88 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 75RB#0 | 21.99 | 22.09 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 1RB#0 | 22.62 | 22.72 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 1RB#38 | 22.40 | 22.50 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 1RB#74 | 22.29 | 22.39 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 38RB#0 | 21.47 | 21.57 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 38RB#18 | 21.43 | 21.53 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 38RB#37 | 21.52 | 21.62 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | 21.39 | 21.49 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 1RB#0 | 22.59 | 22.69 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 1RB#38 | 22.48 | 22.58 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 1RB#74 | 22.60 | 22.70 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 38RB#0 | 21.54 | 21.64 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 38RB#18 | 21.60 | 21.70 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 38RB#37 | 21.77 | 21.87 | 33.00 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 75RB#0 | 21.71 | 21.81 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0 | 21.83 | 21.93 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#38 | 21.78 | 21.88 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | 16QAM | 37825 | 1RB#74 | 21.75 | 21.85 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#0 | 20.72 | 20.82 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#18 | 20.82 | 20.92 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 38RB#37 | 20.87 | 20.97 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | 20.79 | 20.89 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0 | 21.56 | 21.66 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#38 | 21.43 | 21.53 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#74 | 21.25 | 21.35 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#0 | 20.54 | 20.64 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#18 | 20.48 | 20.58 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 38RB#37 | 20.51 | 20.61 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | 20.48 | 20.58 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0 | 21.74 | 21.84 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#38 | 21.65 | 21.75 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#74 | 21.55 | 21.65 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#0 | 20.68 | 20.78 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#18 | 20.67 | 20.77 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 38RB#37 | 20.62 | 20.72 | 33.00 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0 | 20.62 | 20.72 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#0 | 20.62 | 20.72 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#38 | 20.85 | 20.95 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#74 | 20.77 | 20.87 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#0 | 19.60 | 19.70 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#18 | 19.76 | 19.86 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 38RB#37 | 19.75 | 19.85 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 75RB#0 | 19.73 | 19.83 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#0 | 20.47 | 20.57 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#38 | 20.38 | 20.48 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#74 | 20.31 | 20.41 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#0 | 19.32 | 19.42 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#18 | 19.40 | 19.50 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 38RB#37 | 19.36 | 19.46 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | 19.40 | 19.50 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#0 | 20.76 | 20.86 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#38 | 20.75 | 20.85 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#74 | 20.74 | 20.84 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 38RB#0 | 19.76 | 19.86 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 38RB#18 | 19.89 | 19.99 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 15MHz | 64QAM | 38175 | 38RB#37 | 19.80 | 19.90 | 33.00 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 75RB#0 | 19.98 | 20.08 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#0 | 22.83 | 22.93 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#49 | 22.82 | 22.92 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#99 | 22.71 | 22.81 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 50RB#0 | 21.75 | 21.85 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 50RB#25 | 21.73 | 21.83 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 50RB#50 | 21.70 | 21.80 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | 22.05 | 22.15 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#0 | 22.68 | 22.78 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#49 | 22.38 | 22.48 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#99 | 22.36 | 22.46 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 50RB#0 | 21.54 | 21.64 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 50RB#25 | 21.49 | 21.59 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 50RB#50 | 21.43 | 21.53 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | 21.50 | 21.60 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#0 | 22.33 | 22.43 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#49 | 22.14 | 22.24 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#99 | 22.25 | 22.35 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 50RB#0 | 21.16 | 21.26 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 50RB#25 | 21.29 | 21.39 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 50RB#50 | 21.27 | 21.37 | 33.00 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | 21.40 | 21.50 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | 21.81 | 21.91 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#49 | 21.87 | 21.97 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#99 | 21.72 | 21.82 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#0 | 20.71 | 20.81 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#25 | 21.00 | 21.10 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 50RB#50 | 20.73 | 20.83 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 21.01 | 21.11 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0 | 21.68 | 21.78 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#49 | 21.51 | 21.61 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#99 | 21.45 | 21.55 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#0 | 20.65 | 20.75 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#25 | 20.57 | 20.67 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 50RB#50 | 20.68 | 20.78 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 20.61 | 20.71 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0 | 21.39 | 21.49 | 33.00 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band38 | 20MHz | 16QAM | 38150 | 1RB#49 | 21.24 | 21.34 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#99 | 21.16 | 21.26 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#0 | 20.30 | 20.40 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#25 | 20.38 | 20.48 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 50RB#50 | 20.33 | 20.43 | 33.00 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 20.47 | 20.57 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#0 | 20.63 | 20.73 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#49 | 20.85 | 20.95 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#99 | 20.79 | 20.89 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#0 | 19.63 | 19.73 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#25 | 19.77 | 19.87 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 50RB#50 | 19.71 | 19.81 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | 19.73 | 19.83 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#0 | 20.43 | 20.53 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#49 | 20.41 | 20.51 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#99 | 20.27 | 20.37 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#0 | 19.30 | 19.40 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#25 | 19.42 | 19.52 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 50RB#50 | 19.36 | 19.46 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 19.41 | 19.51 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#0 | 20.80 | 20.90 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#49 | 20.76 | 20.86 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#99 | 20.73 | 20.83 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#0 | 19.78 | 19.88 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#25 | 19.88 | 19.98 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 50RB#50 | 19.80 | 19.90 | 33.00 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 20.00 | 20.10 | 33.00 | PASS |

Remark:

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

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

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



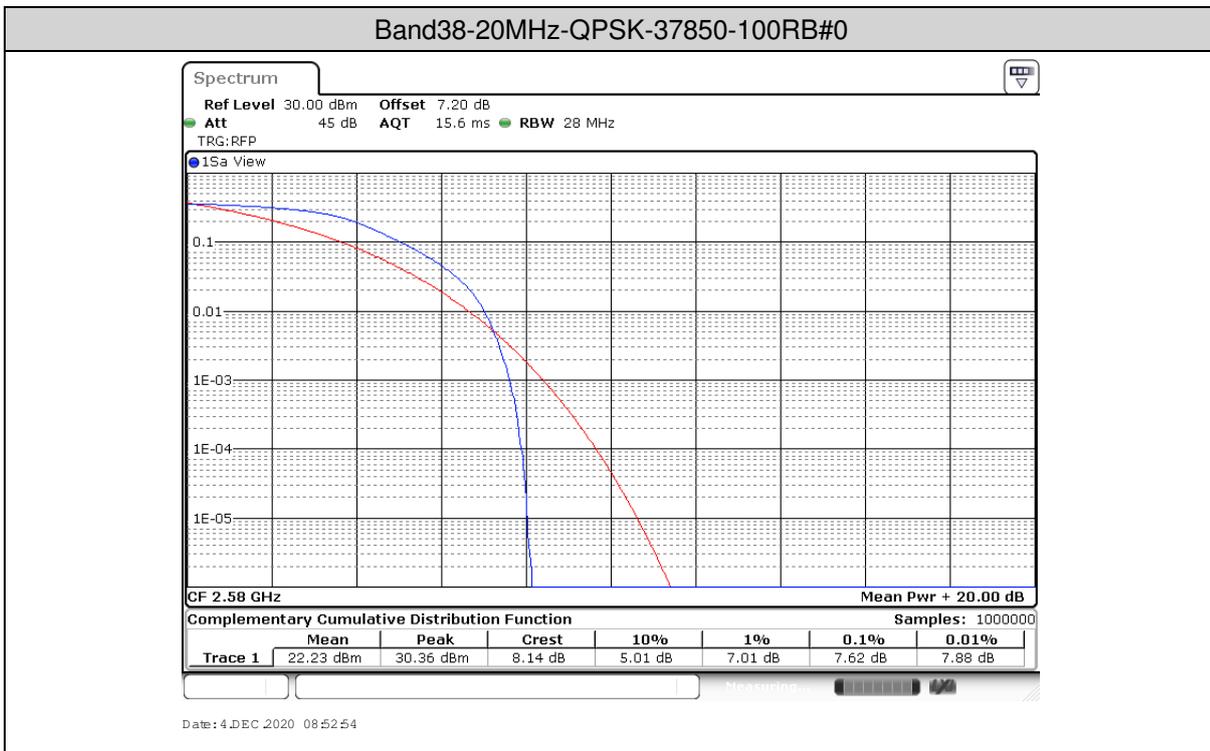
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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

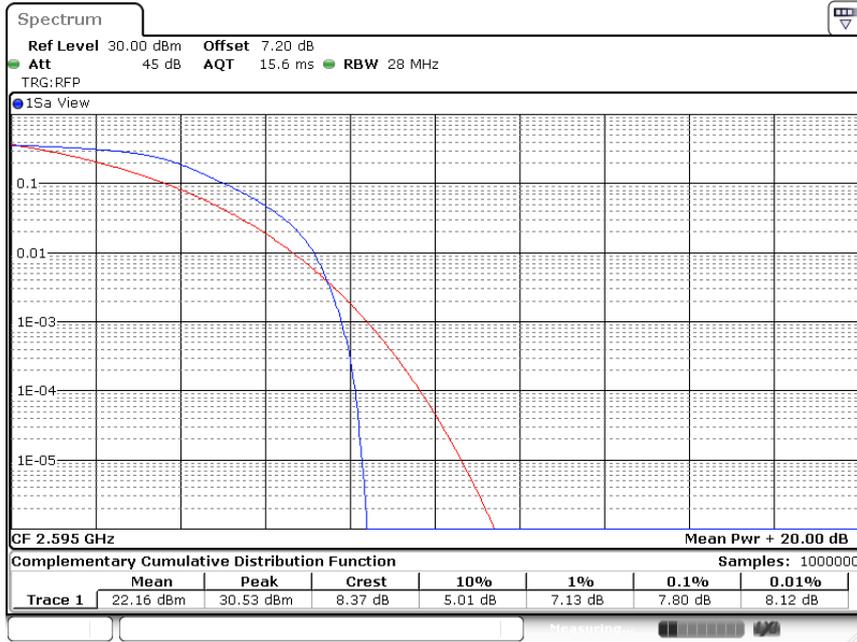
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | 7.62 | 13 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | 7.80 | 13 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | 7.86 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 8.70 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 8.93 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 9.28 | 13 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | 9.42 | 13 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 9.57 | 13 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 9.62 | 13 | PASS |

2.2. Test Plots



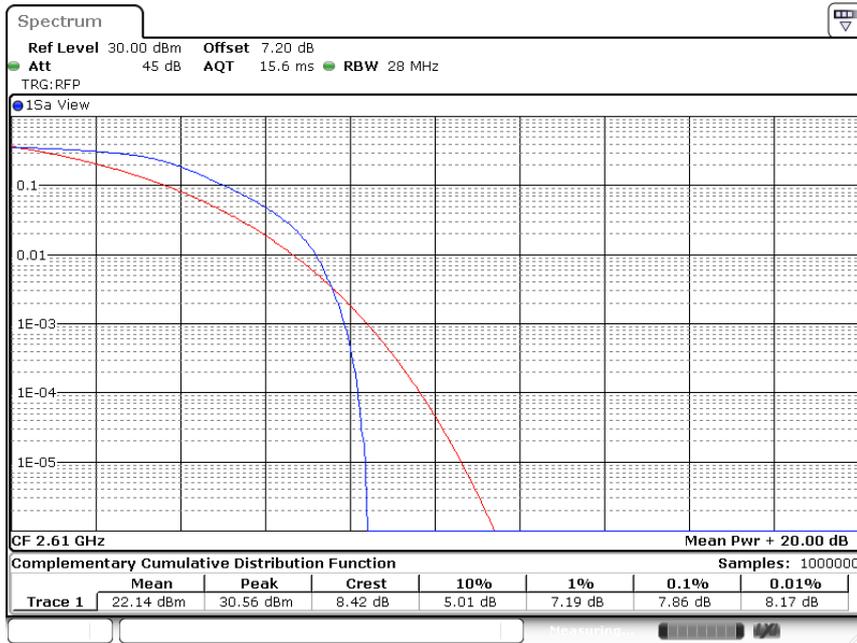
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Band38-20MHz-QPSK-38000-100RB#0



Date: 4 DEC 2020 08:53:27

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

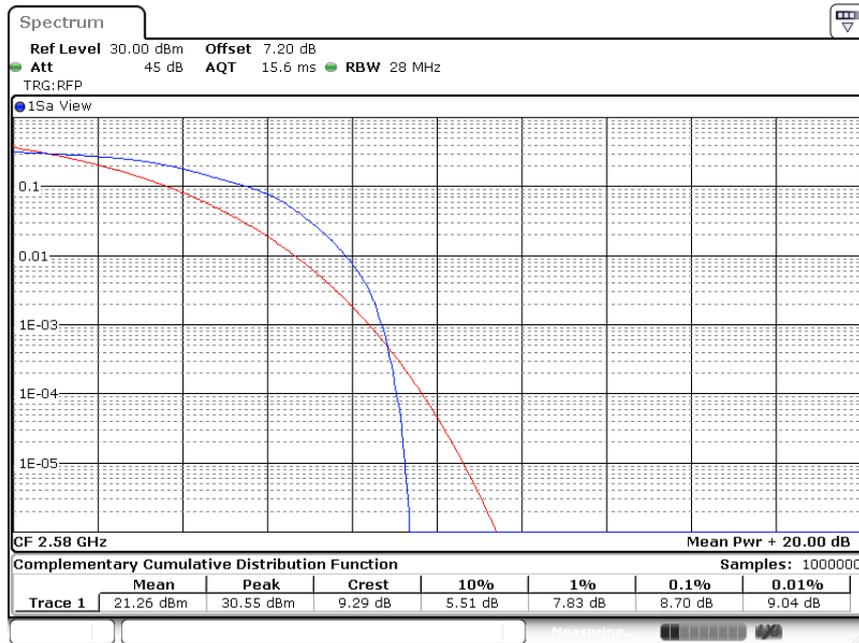


Date: 4 DEC 2020 08:54:00



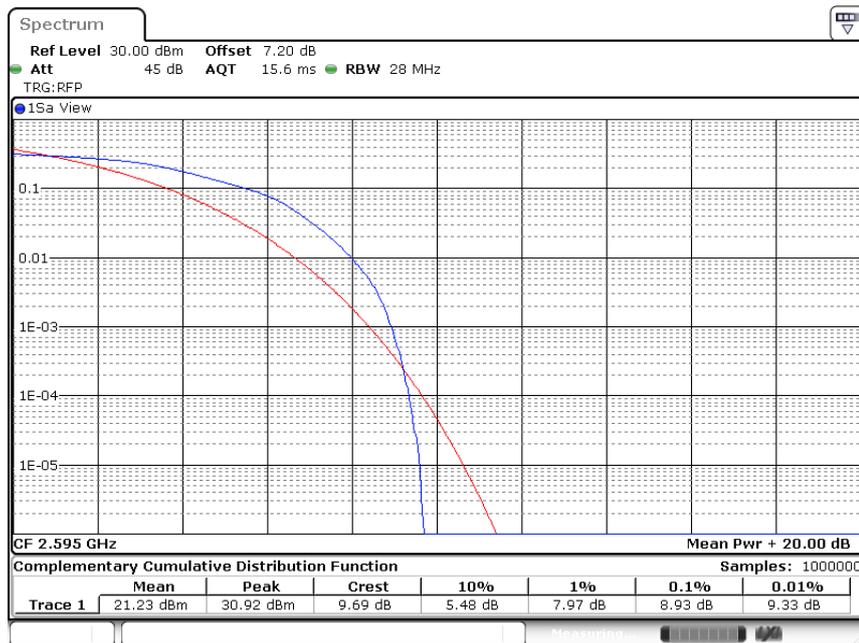
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Band38-20MHz-16QAM-37850-100RB#0



Date: 4 DEC 2020 08:53:10

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

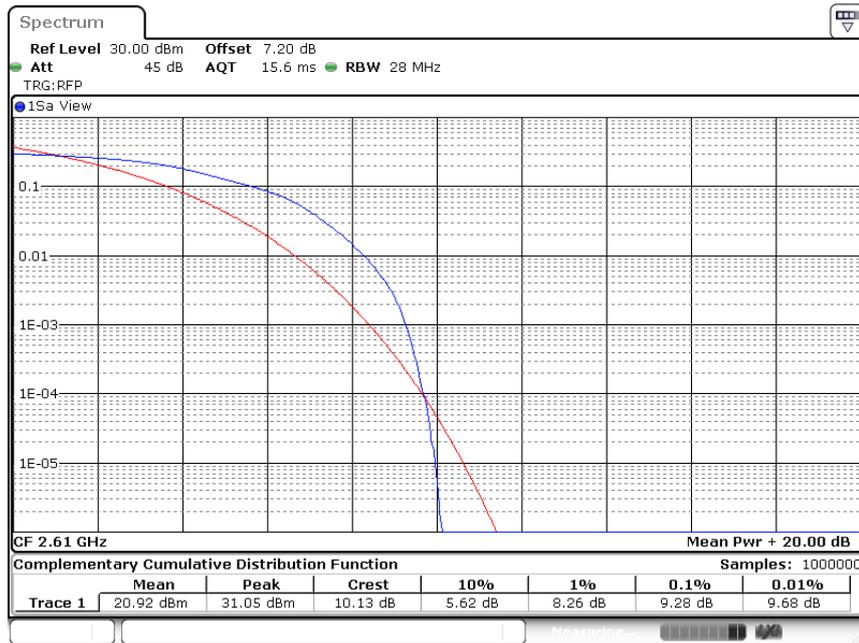


Date: 4 DEC 2020 08:53:43



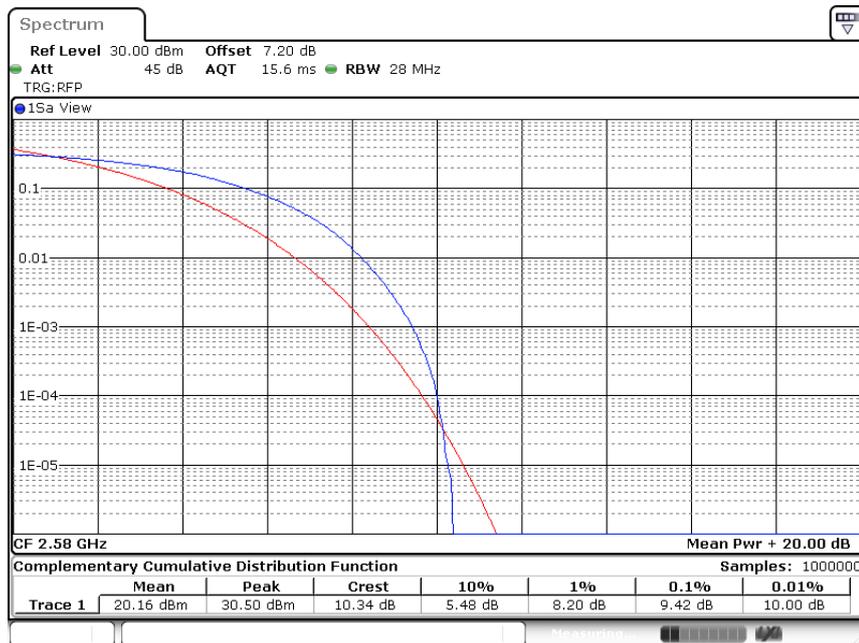
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Band38-20MHz-16QAM-38150-100RB#0



Date: 4 DEC 2020 08:54:16

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

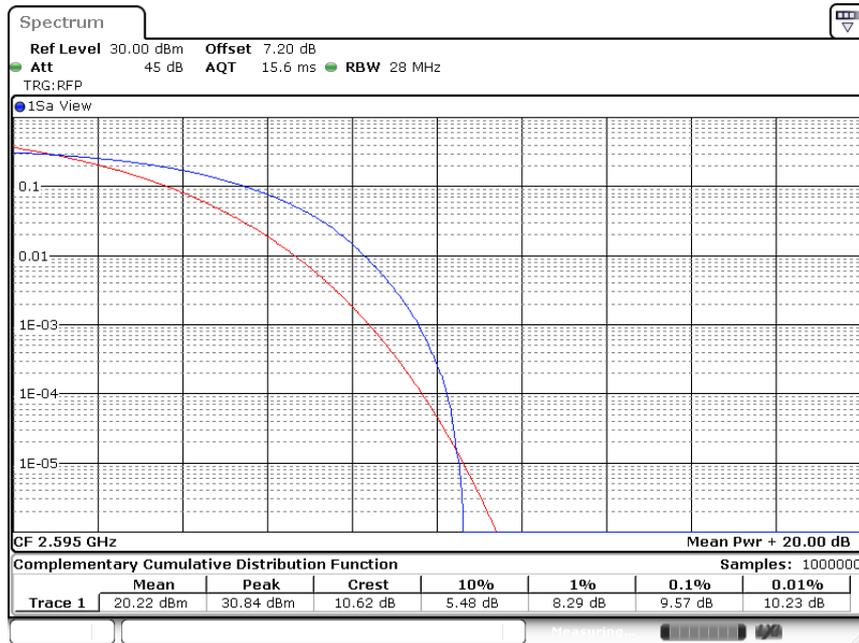


Date: 4 DEC 2020 09:23:19



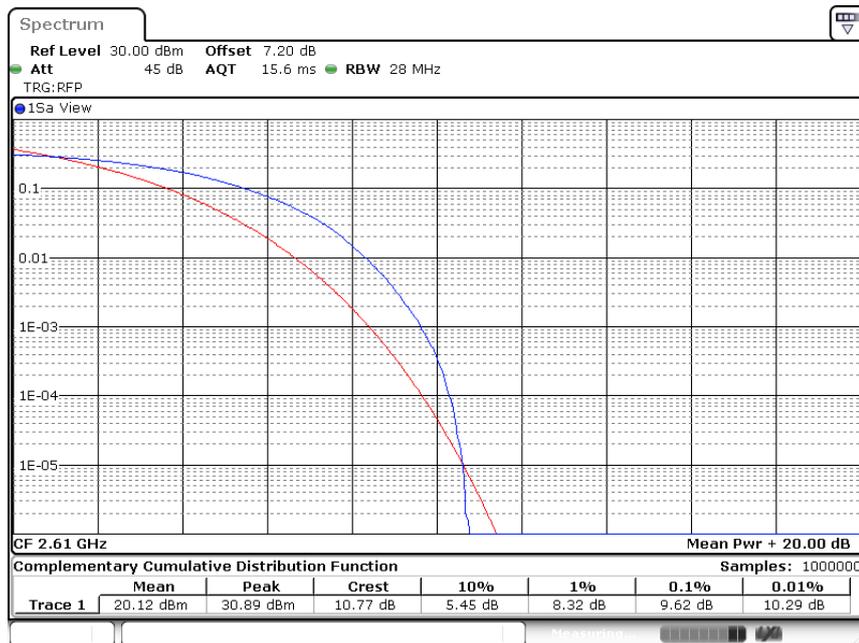
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Band38-20MHz-64QAM-38000-100RB#0



Date: 4 DEC 2020 09:23:35

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



Date: 4 DEC 2020 09:23:52

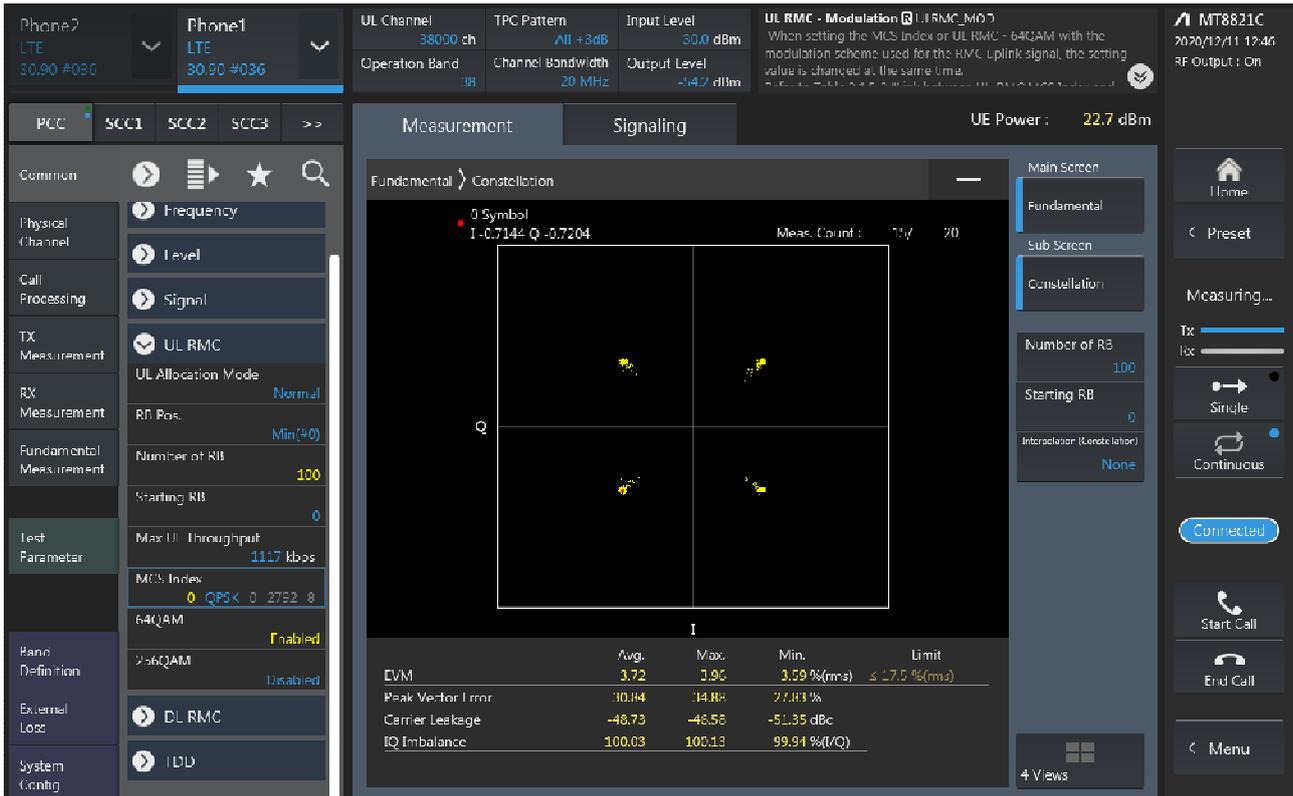


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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

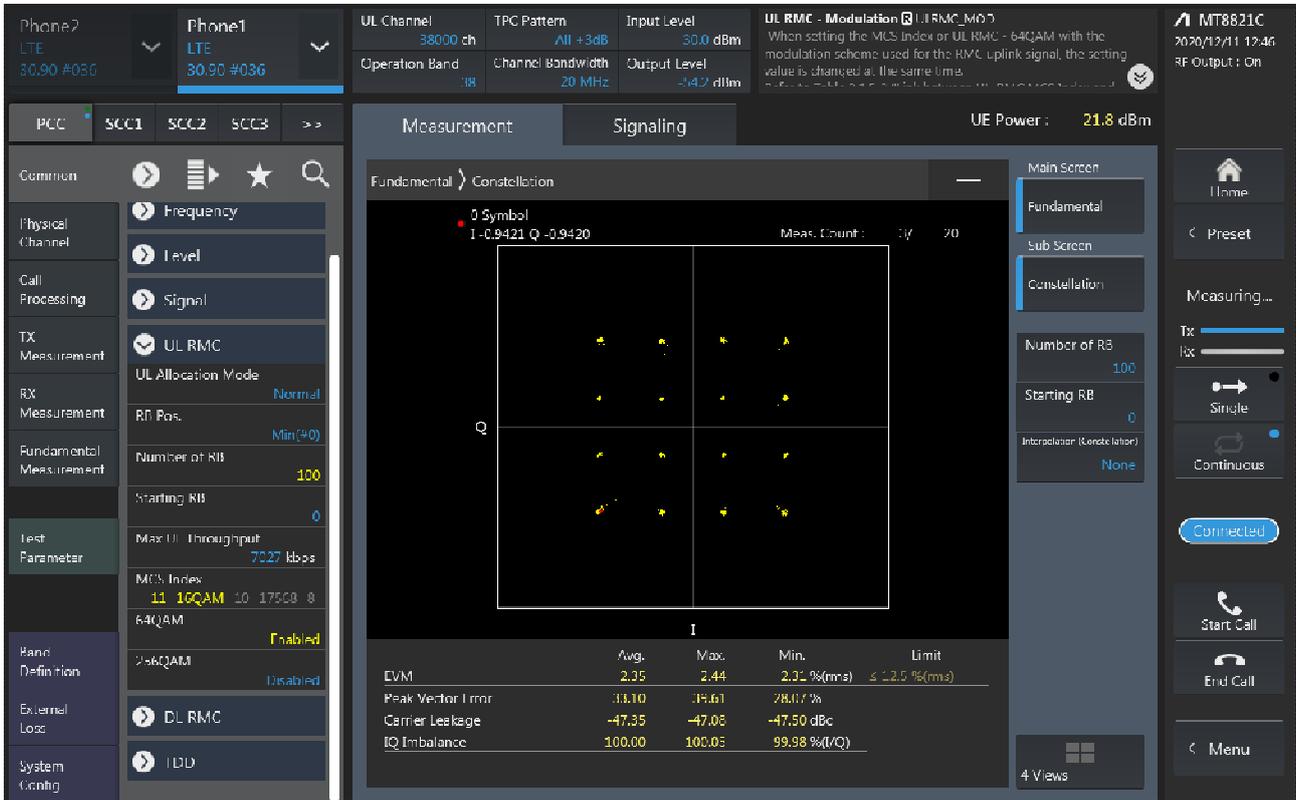
3.1.1. Test Channel = MCH



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3.2. Test Mode = LTE /TM2 20MHz

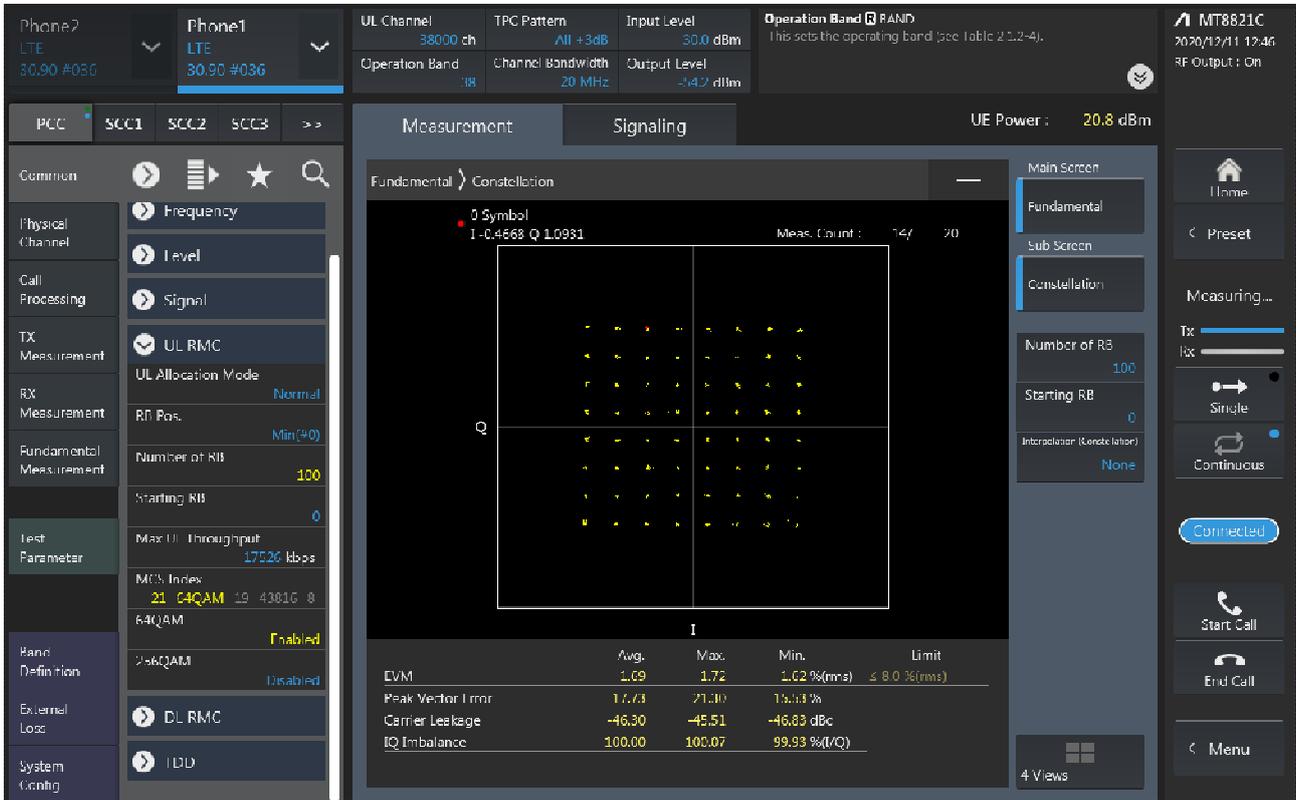
3.2.1. Test Channel = MCH



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3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH



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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 | 4.900 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | 4.476 | 4.910 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 25RB#0 | 4.466 | 4.890 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 25RB#0 | 4.496 | 4.940 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | 4.496 | 4.950 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 25RB#0 | 4.496 | 4.940 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 25RB#0 | 4.486 | 4.980 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | 4.486 | 5.000 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 25RB#0 | 4.486 | 5.000 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 50RB#0 | 8.911 | 9.680 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | 8.911 | 9.660 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 50RB#0 | 8.911 | 9.680 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | 8.911 | 9.660 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | 8.911 | 9.660 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | 8.911 | 9.600 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 50RB#0 | 8.931 | 9.720 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | 8.931 | 9.660 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 50RB#0 | 8.931 | 9.720 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 75RB#0 | 13.457 | 14.850 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | 13.457 | 14.880 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 75RB#0 | 13.457 | 14.880 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | 13.457 | 14.790 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | 13.427 | 14.730 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0 | 13.427 | 14.760 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 75RB#0 | 13.457 | 14.700 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | 13.427 | 14.700 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 75RB#0 | 13.427 | 14.700 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | 17.902 | 19.480 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | 17.902 | 19.520 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | 17.902 | 19.480 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 17.902 | 19.360 | PASS |

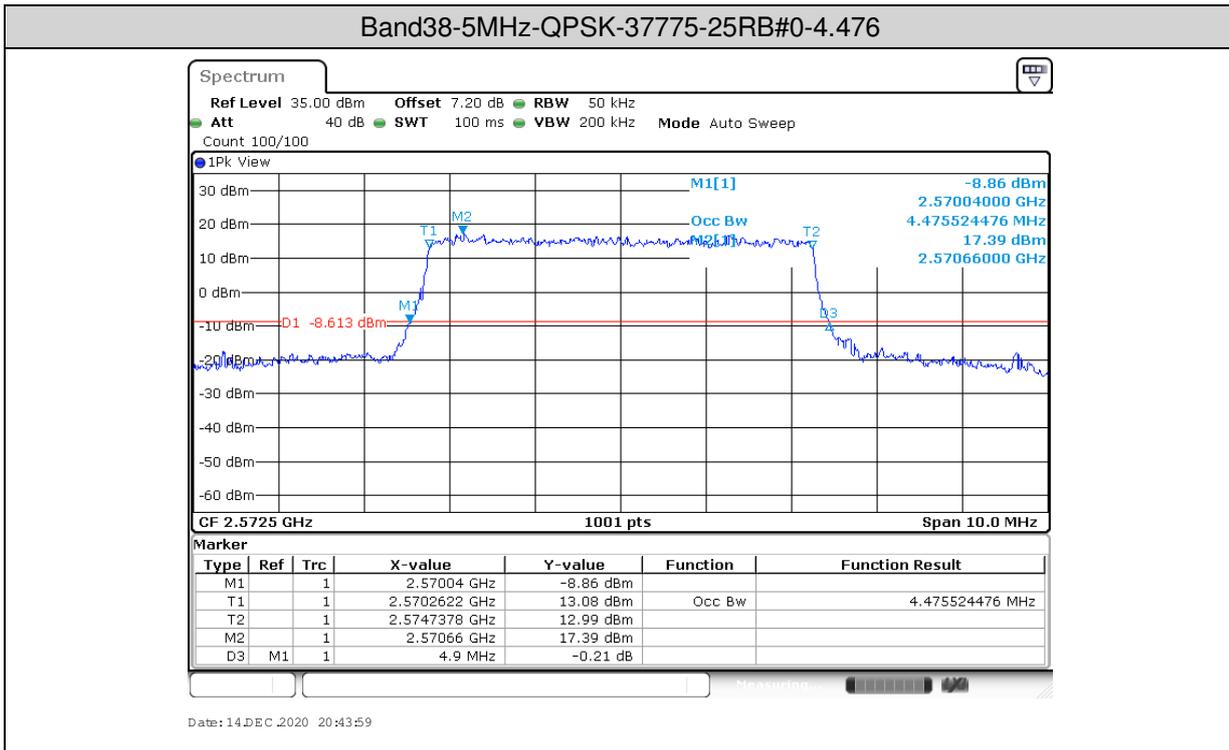


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| | | | | | | | |
|--------|-------|-------|-------|---------|--------|--------|------|
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 17.862 | 19.320 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 17.862 | 19.320 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | 17.862 | 19.360 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 17.862 | 19.320 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 17.902 | 19.320 | PASS |

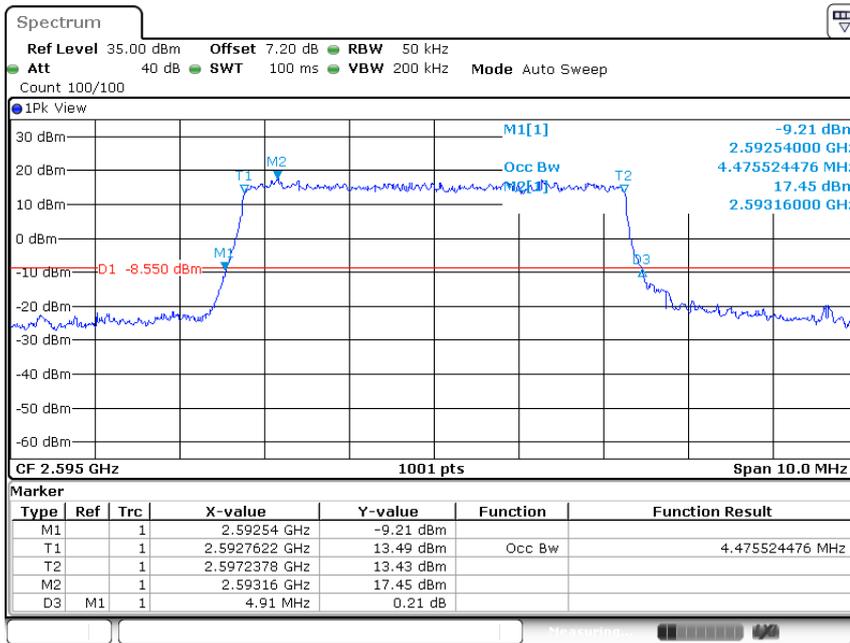
4.2. Test Plots



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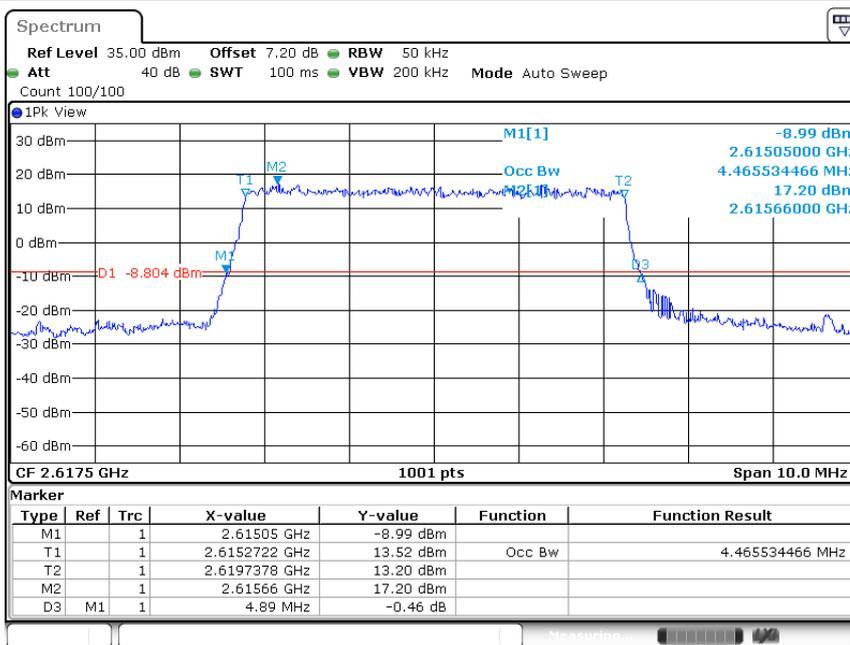
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Band38-5MHz-QPSK-38000-25RB#0-4.476



Date: 3.DEC.2020 21:32:36

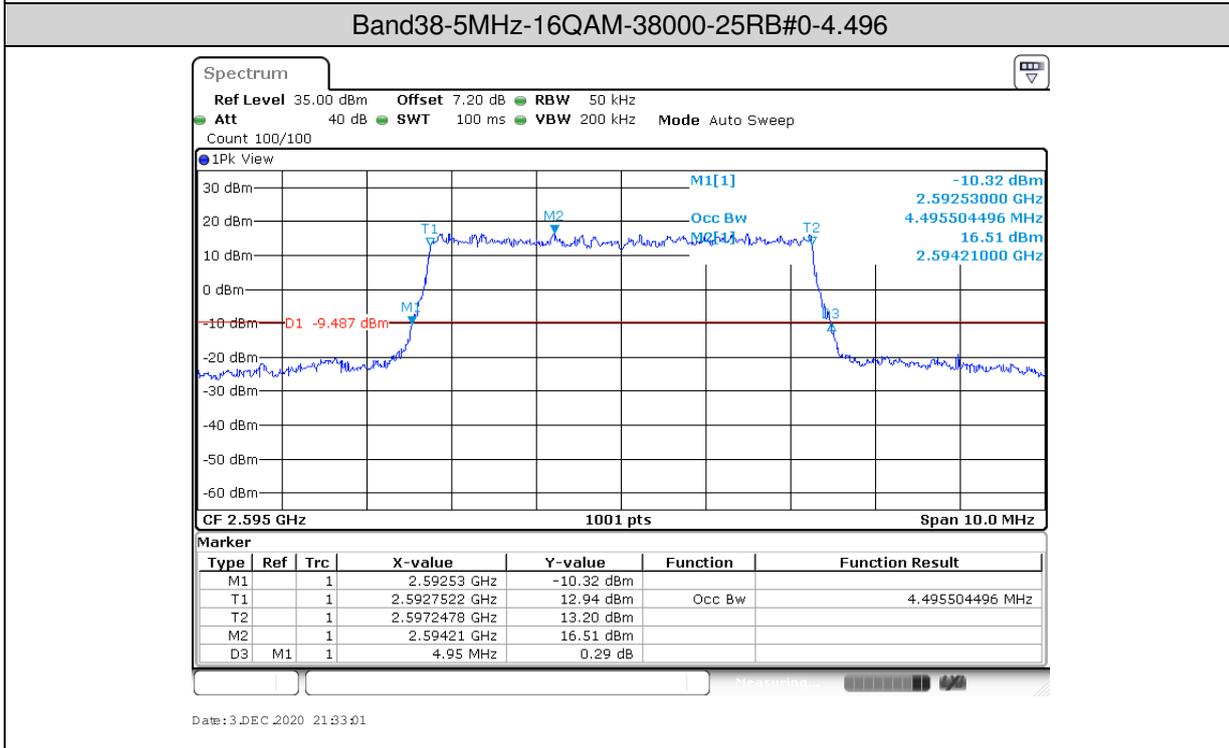
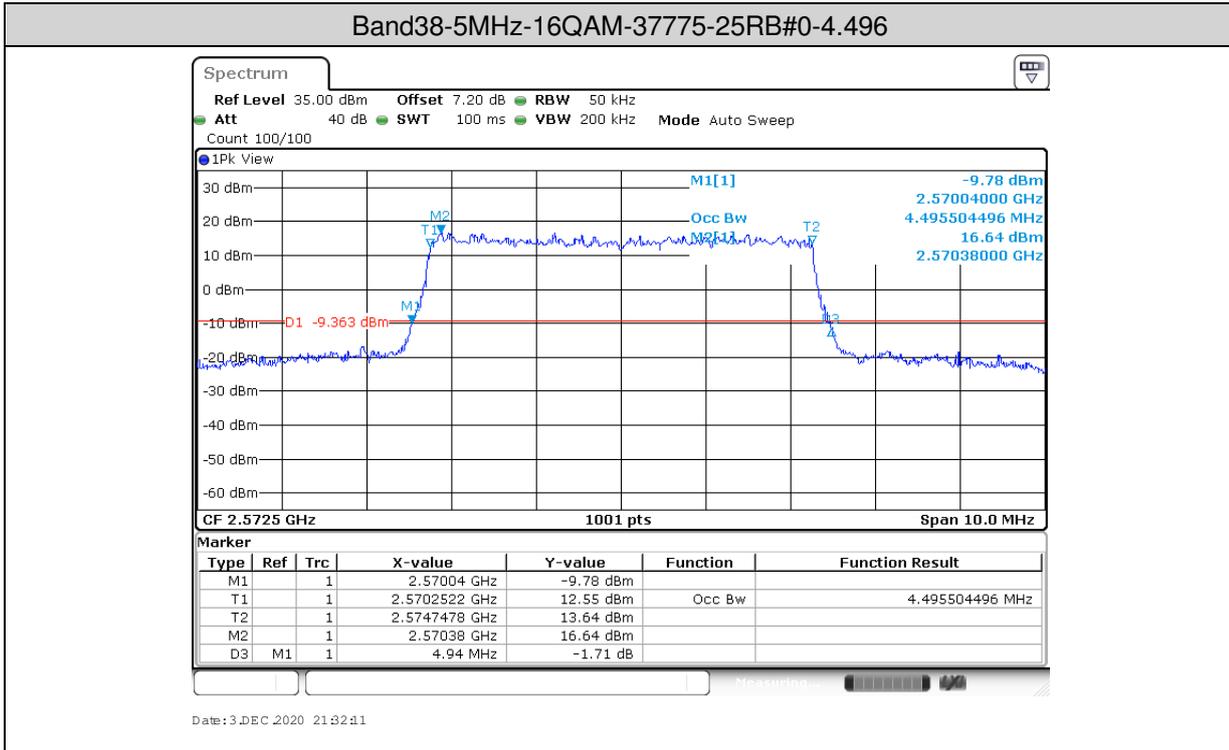
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Date: 3.DEC.2020 21:33:26



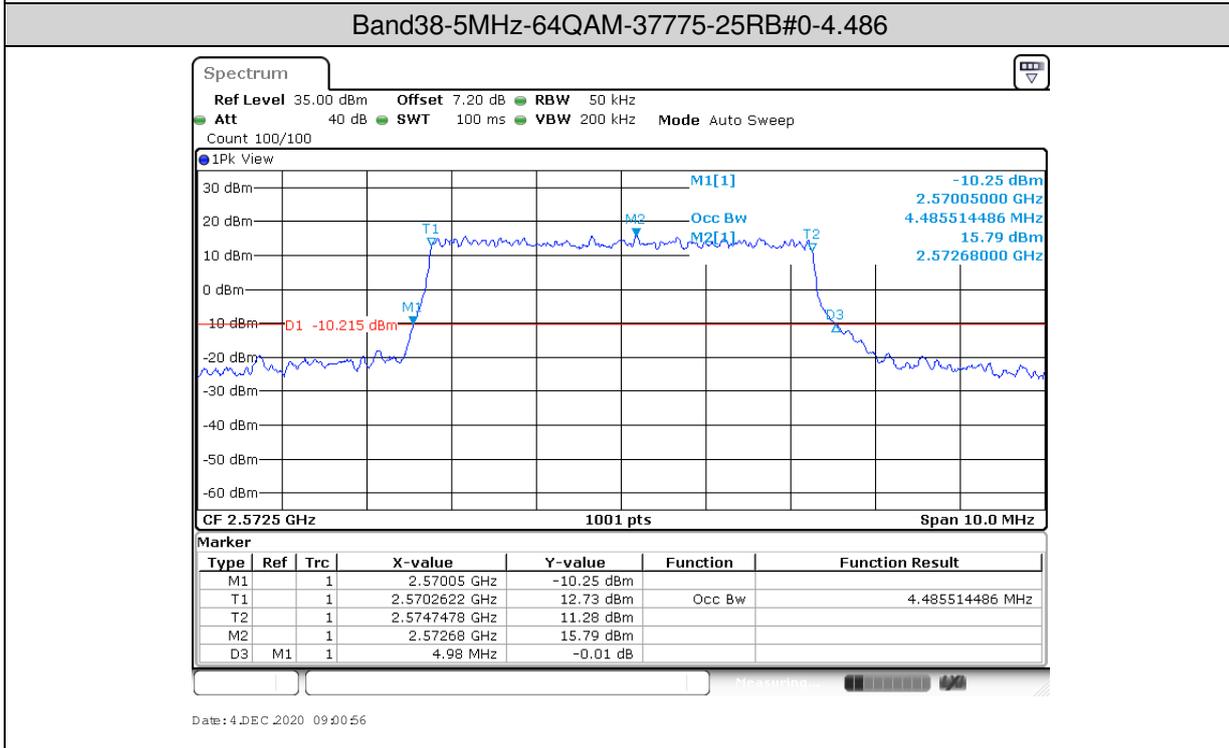
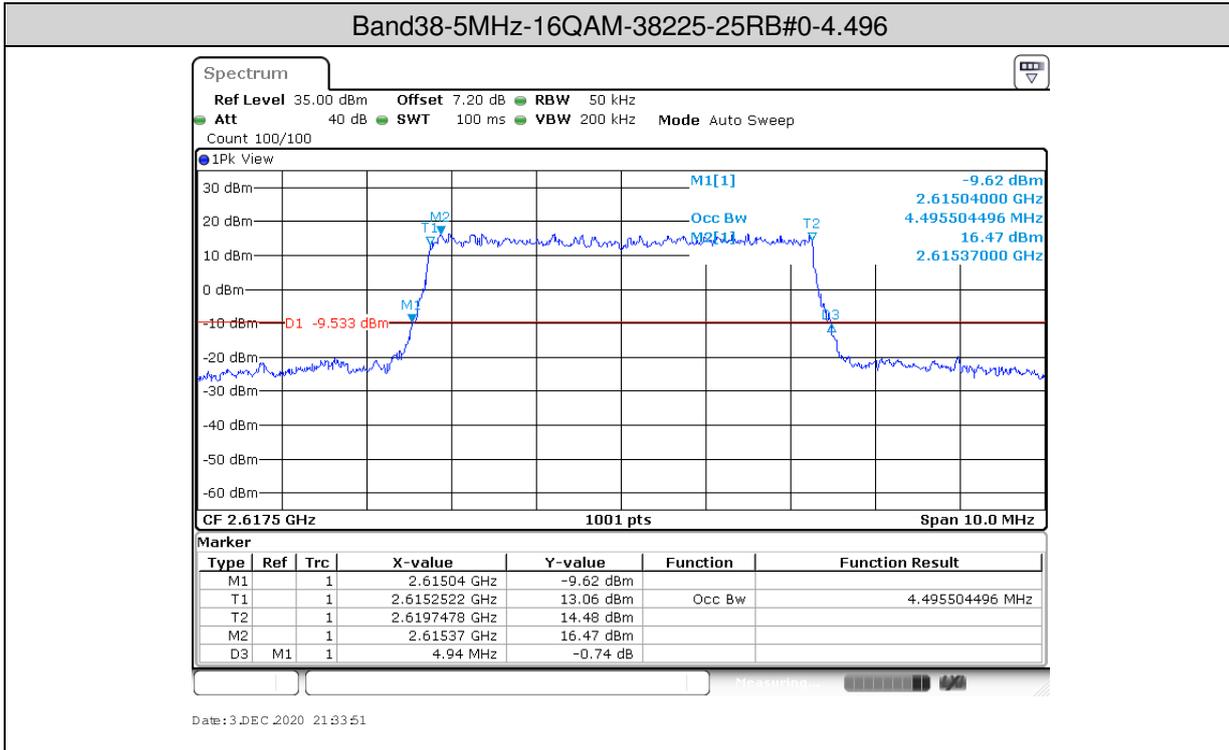
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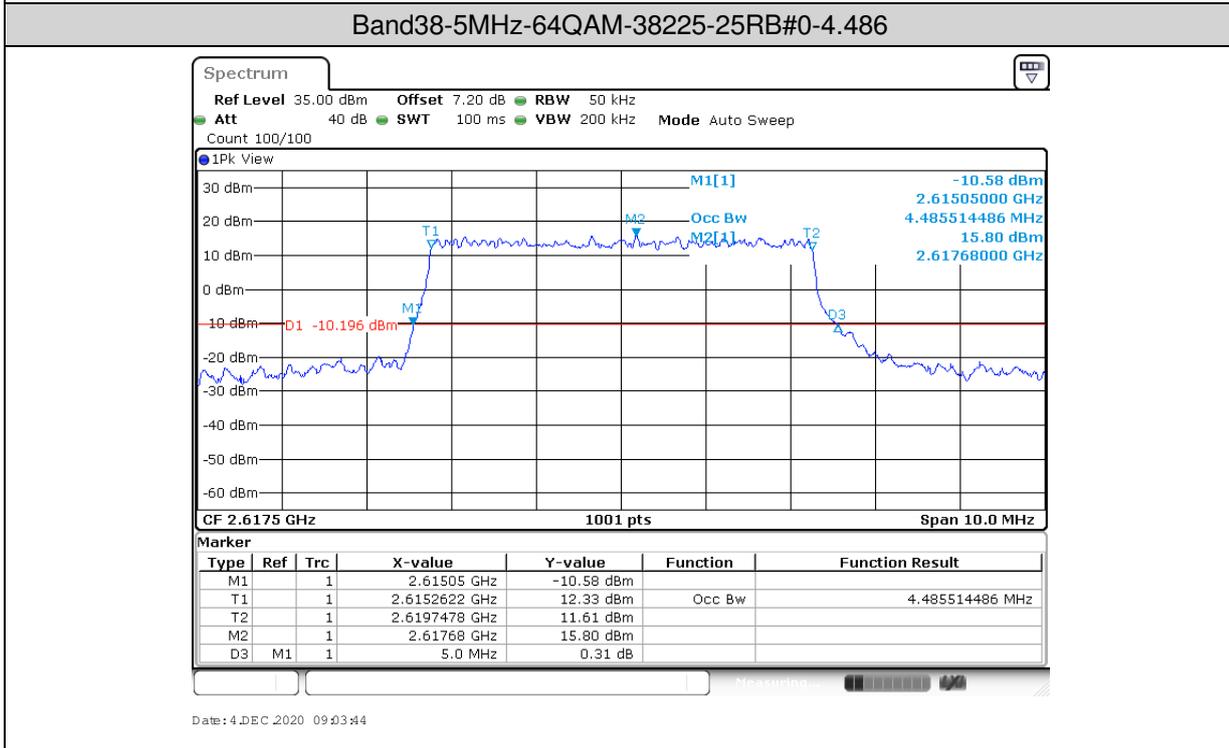
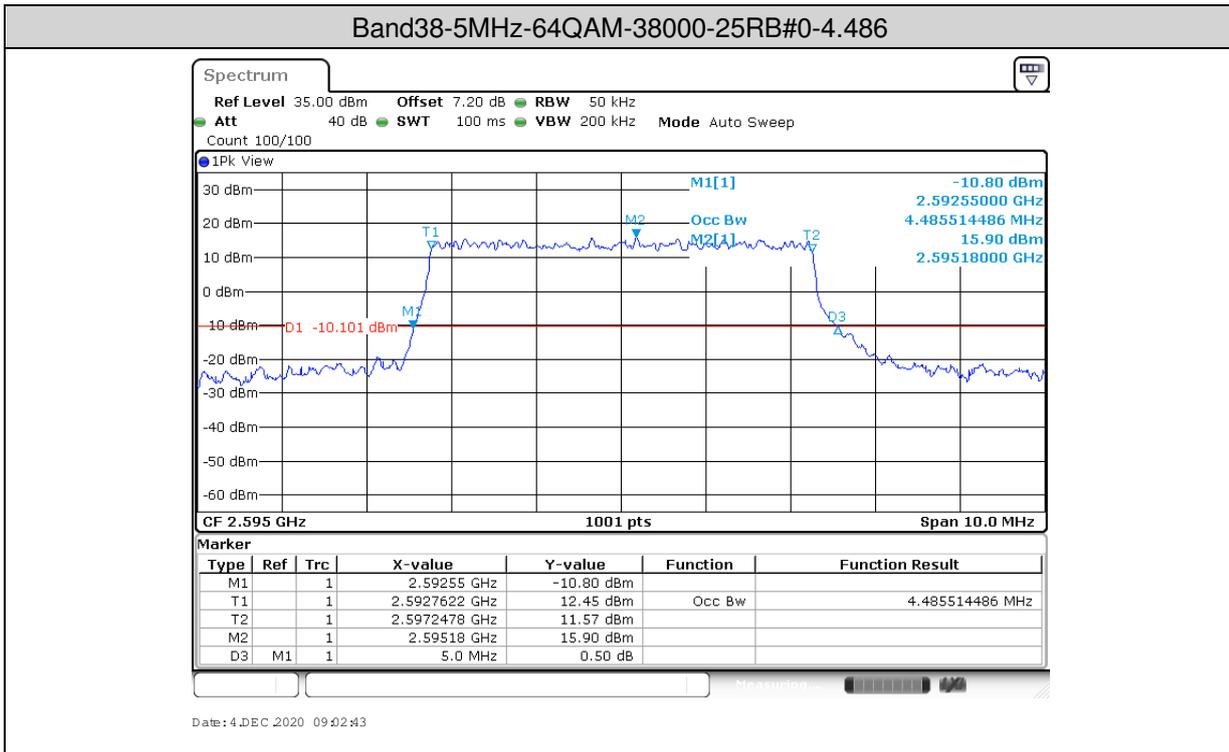
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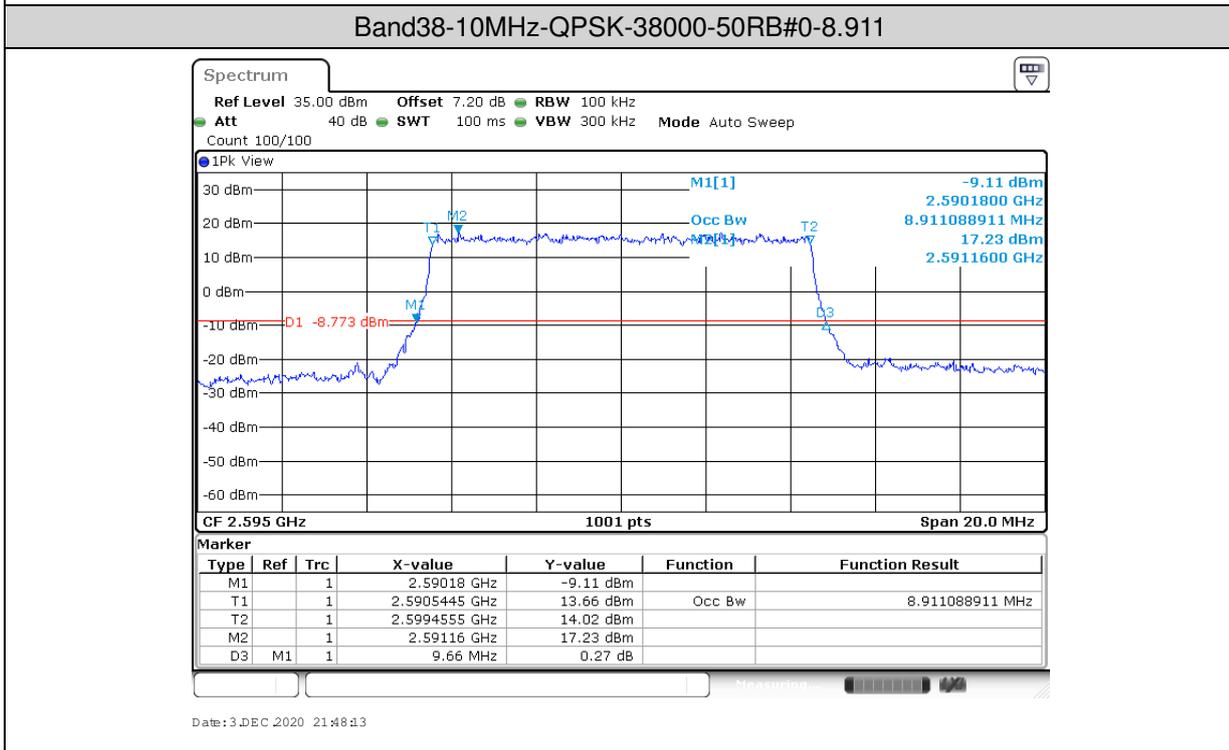
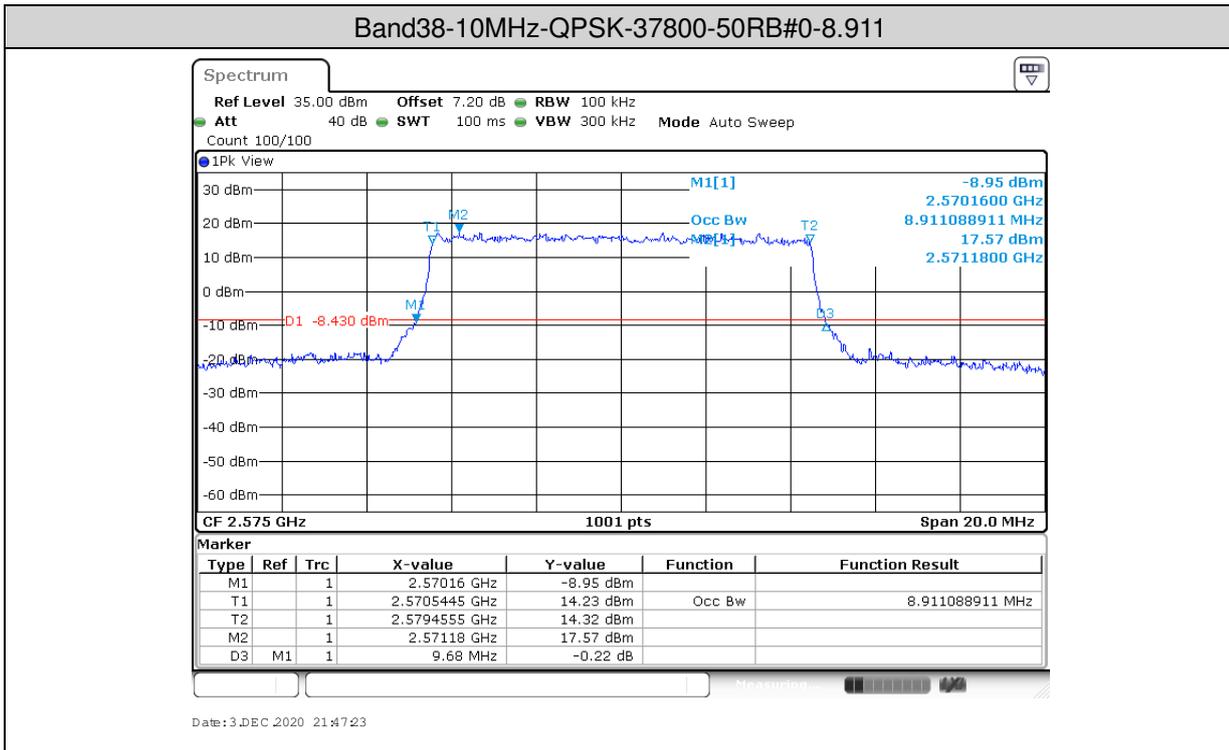
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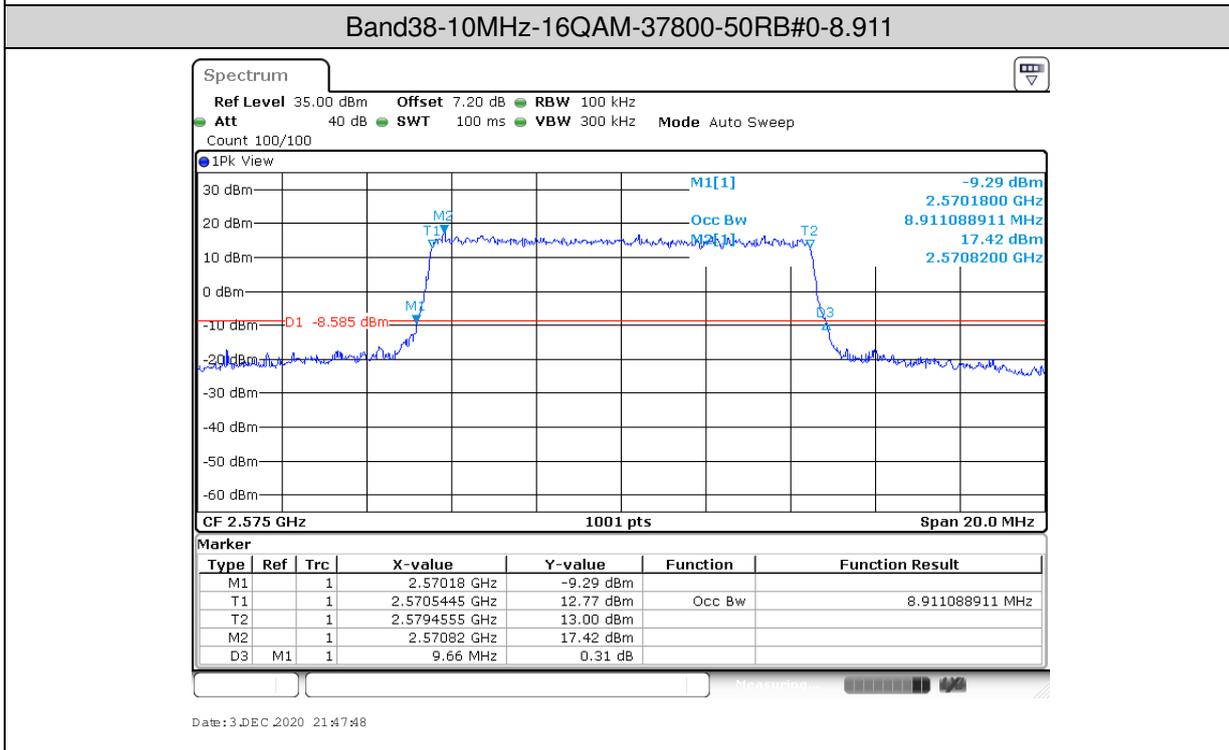
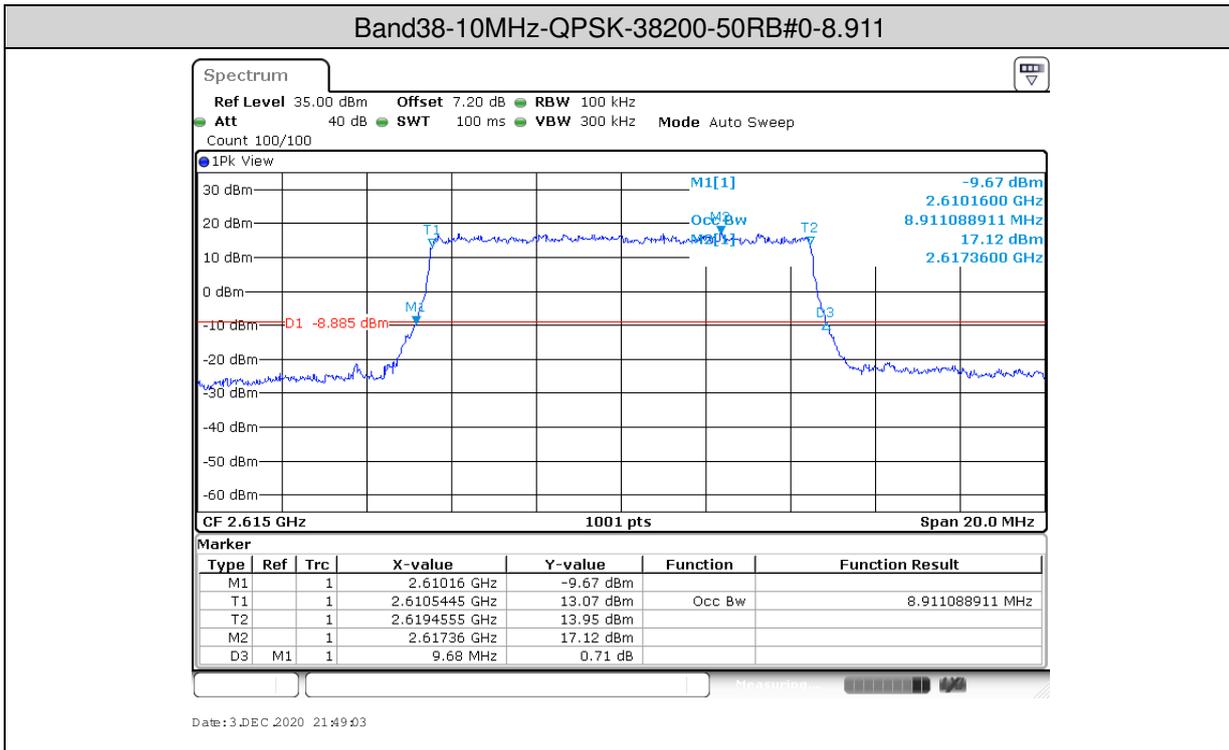
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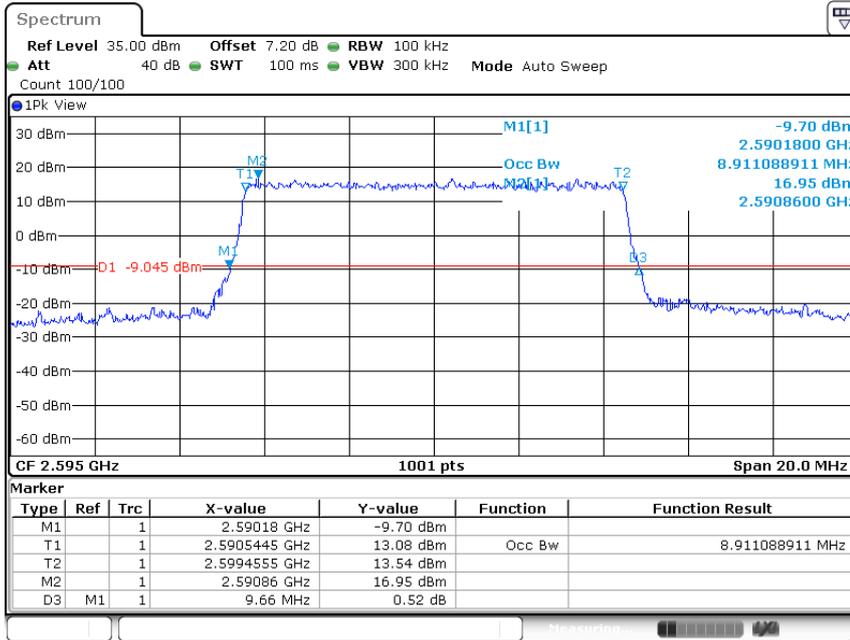
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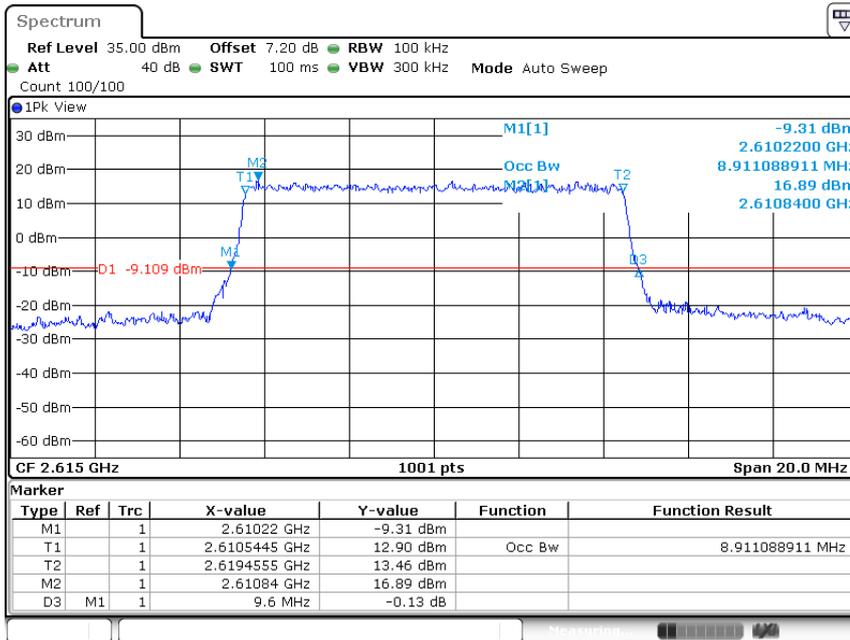
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Band38-10MHz-16QAM-38000-50RB#0-8.911



Date: 3.DEC.2020 21:48:38

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

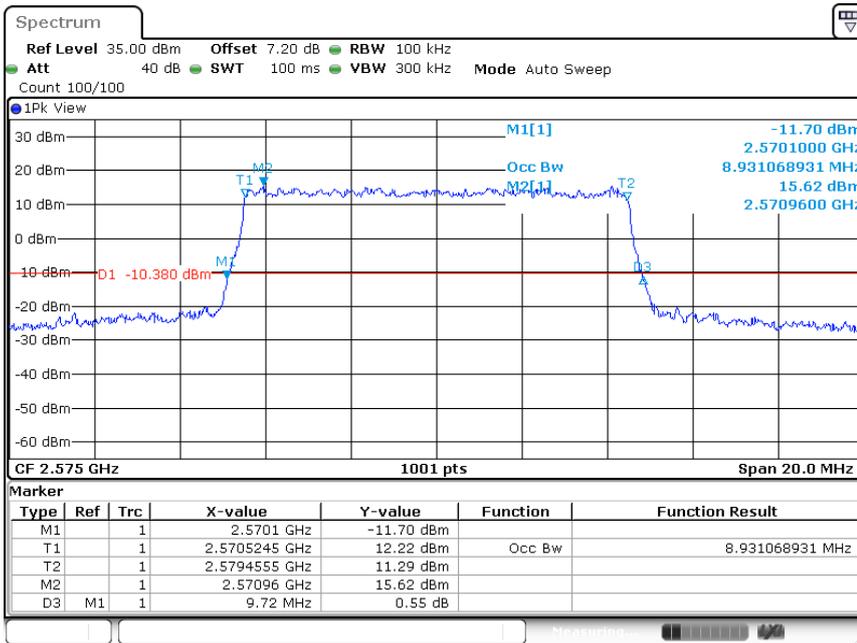


Date: 3.DEC.2020 21:49:28



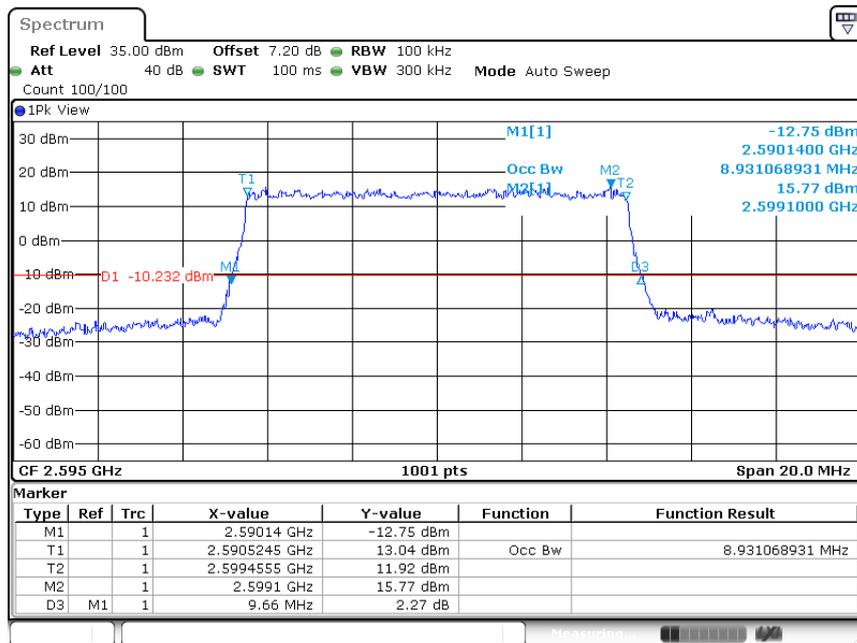
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Band38-10MHz-64QAM-37800-50RB#0-8.931



Date: 14.DEC.2020 20:44:53

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

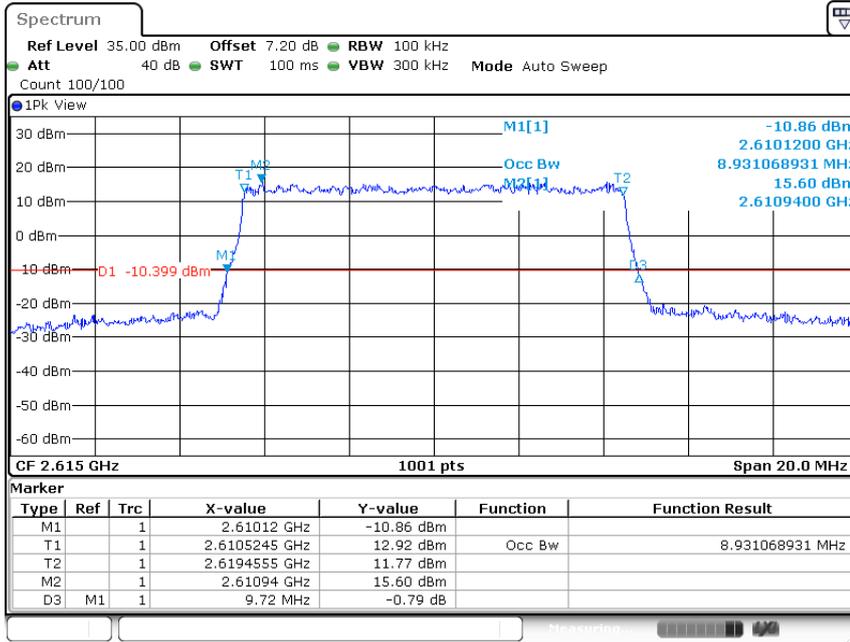


Date: 4.DEC.2020 09:04:43



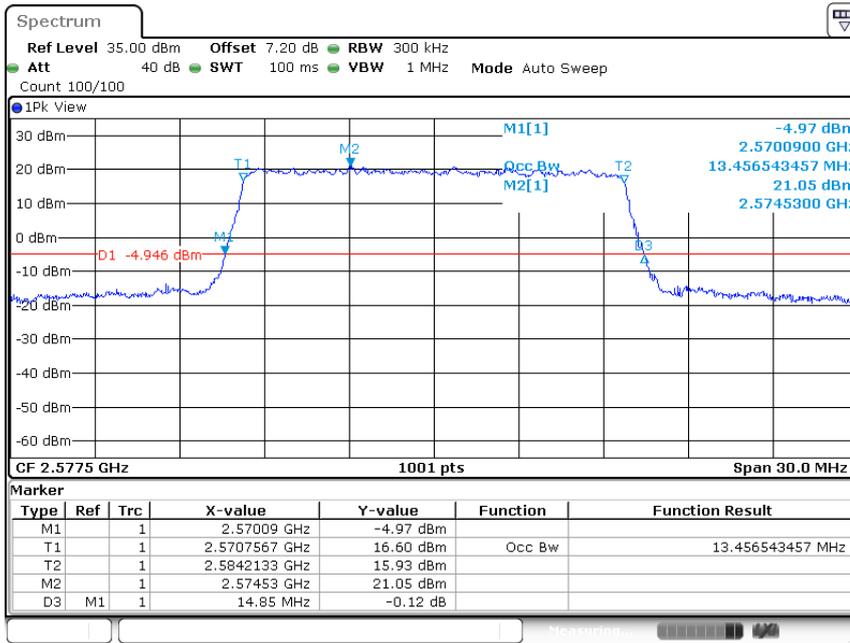
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Band38-10MHz-64QAM-38200-50RB#0-8.931



Date: 4.DEC.2020 09:05:08

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

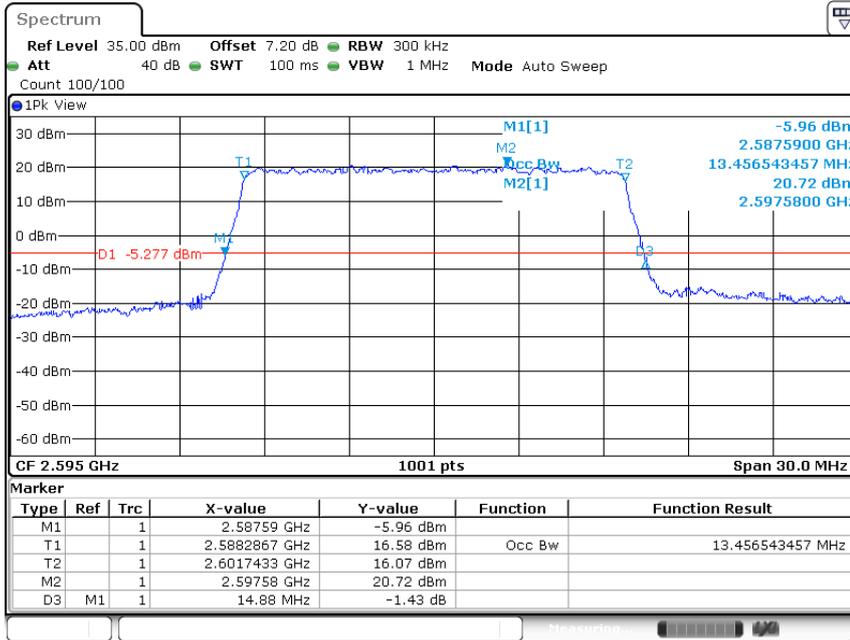


Date: 3.DEC.2020 22:05:13



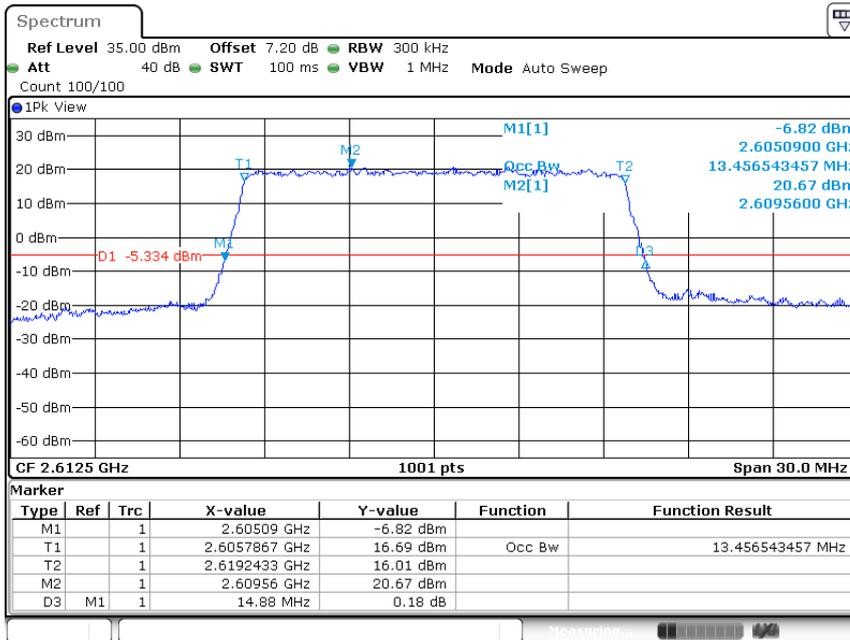
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Band38-15MHz-QPSK-38000-75RB#0-13.457



Date: 3.DEC.2020 22:06:03

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



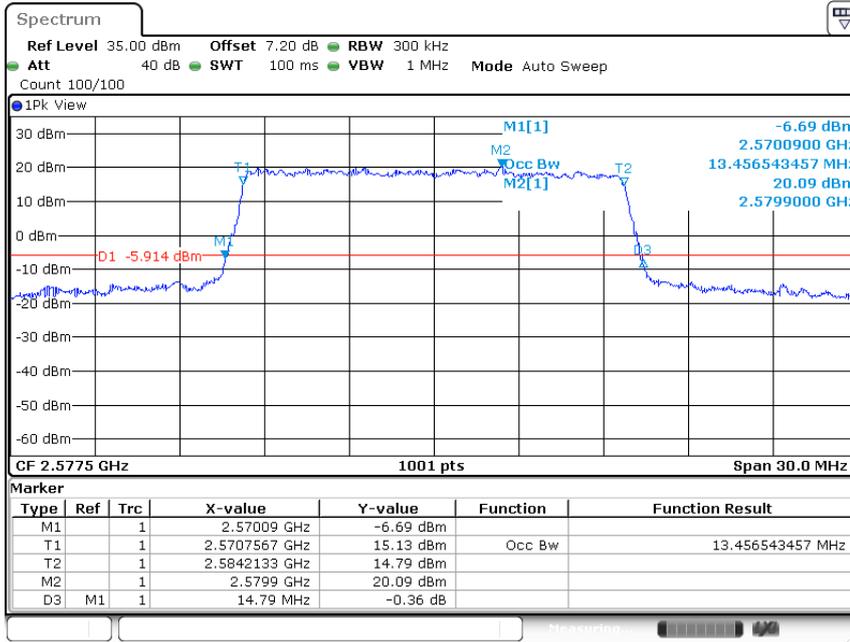
Date: 3.DEC.2020 22:06:53



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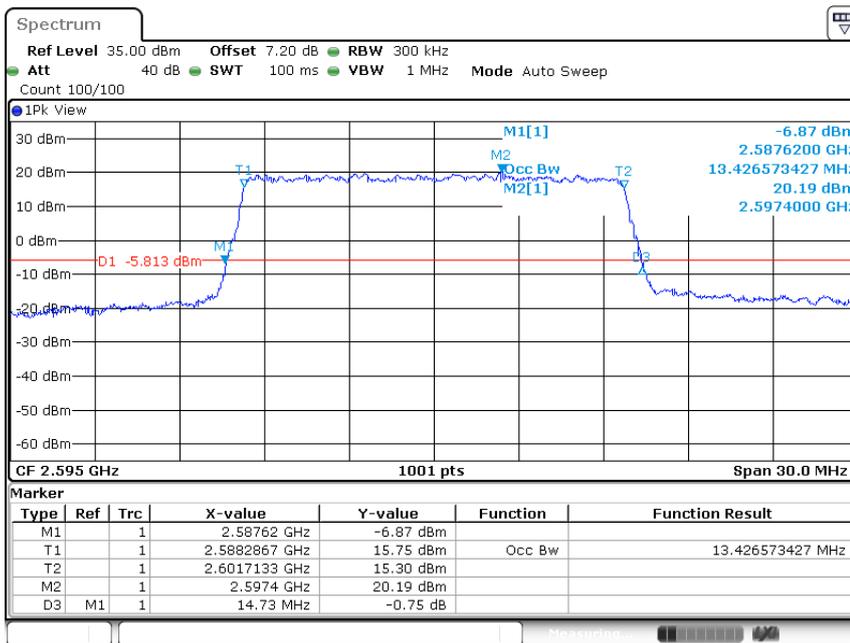
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Band38-15MHz-16QAM-37825-75RB#0-13.457



Date: 3.DEC.2020 22:05:38

Band38-15MHz-16QAM-38000-75RB#0-13.427



Date: 3.DEC.2020 22:06:28

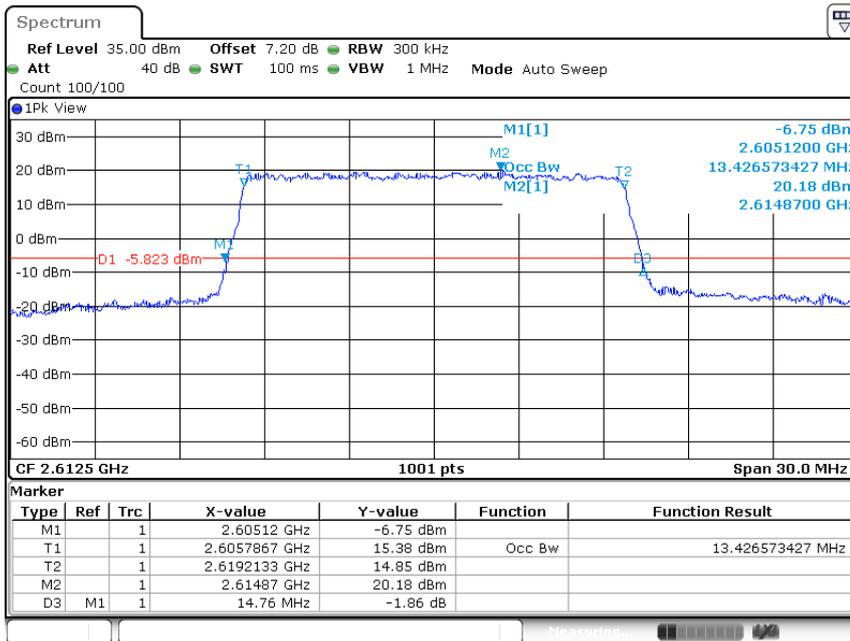


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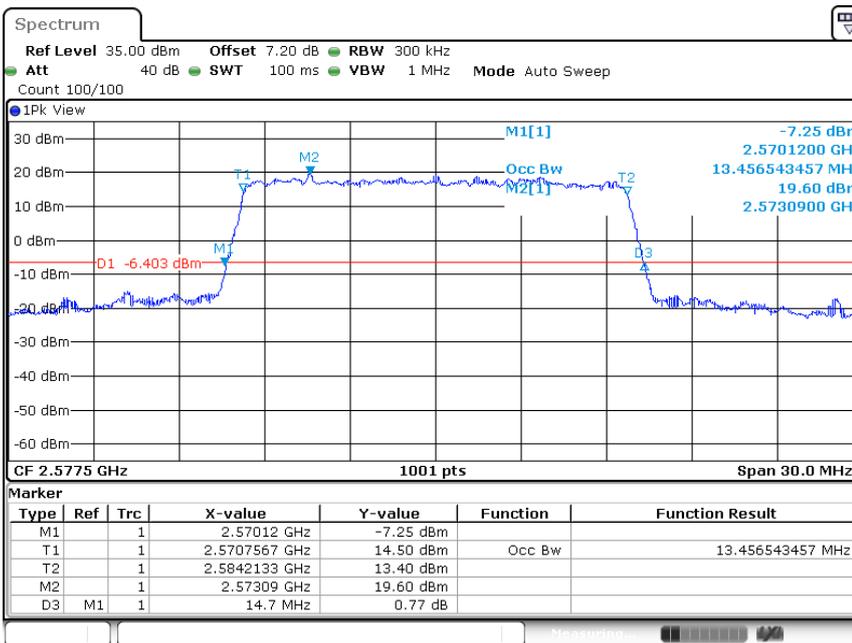
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Band38-15MHz-16QAM-38175-75RB#0-13.427



Date: 3 DEC 2020 22:07:18

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

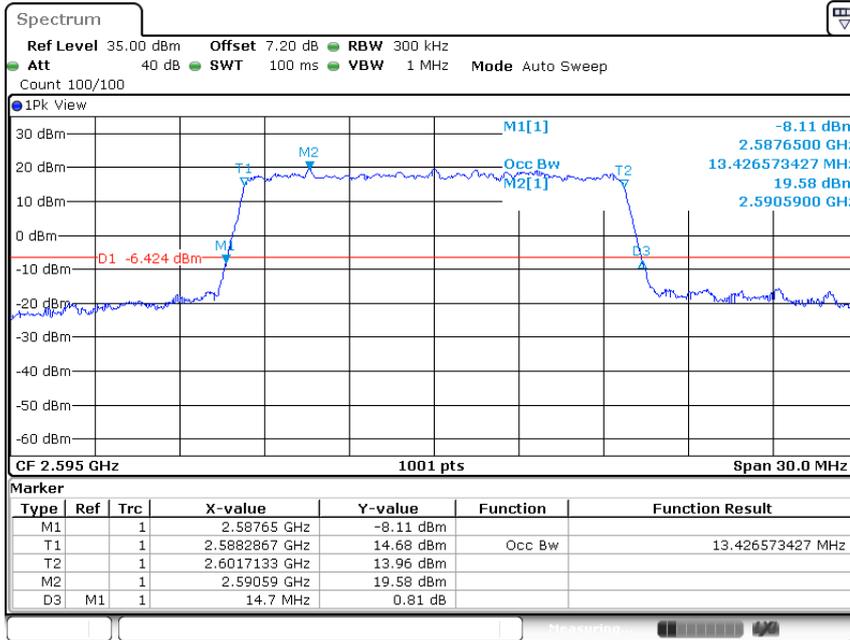


Date: 14 DEC 2020 20:45:49



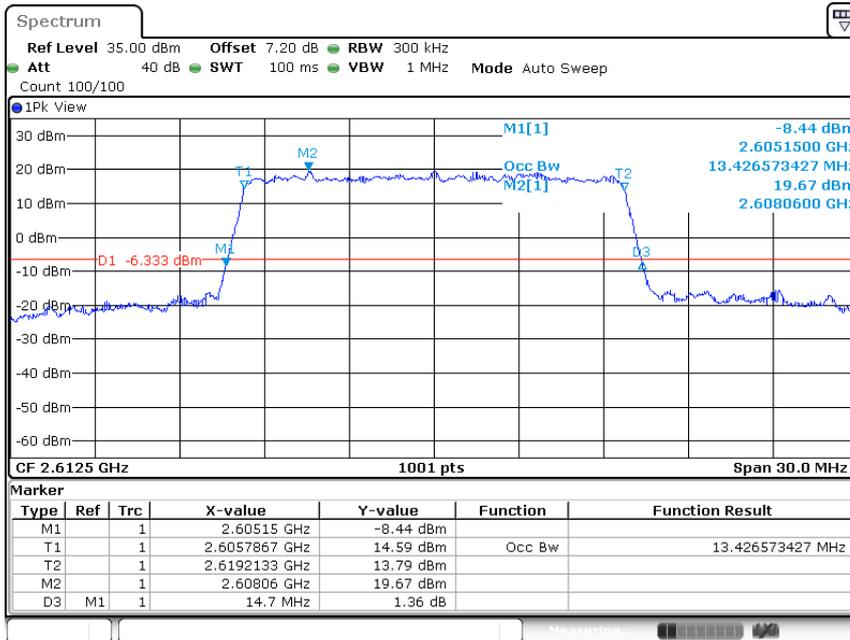
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Band38-15MHz-64QAM-38000-75RB#0-13.427



Date: 4.DEC.2020 09:06:13

Band38-15MHz-64QAM-38175-75RB#0-13.427

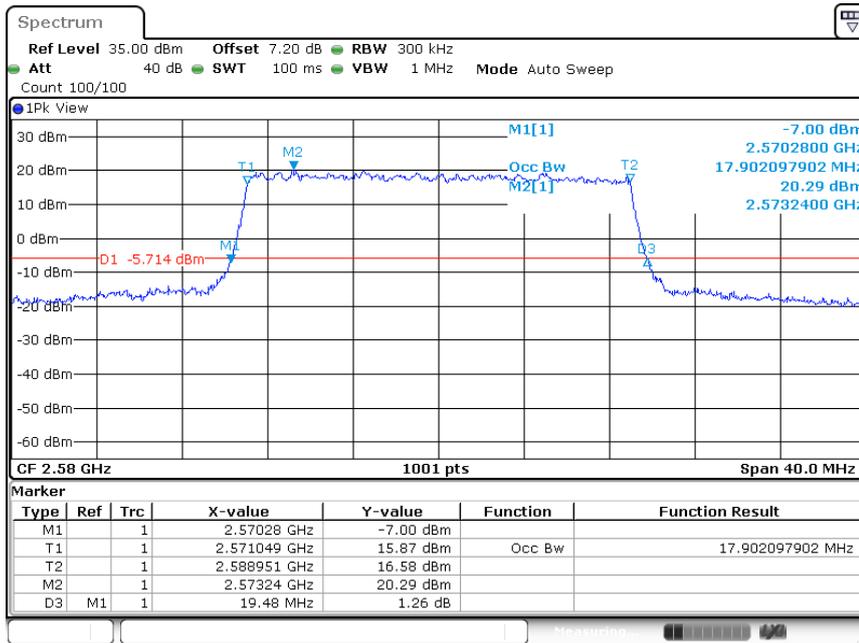


Date: 4.DEC.2020 09:06:38



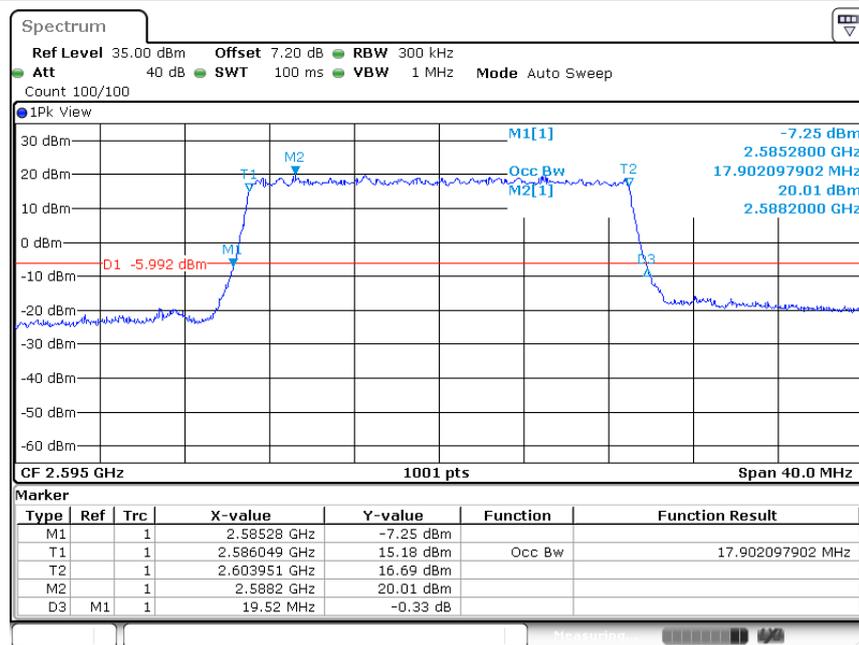
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Band38-20MHz-QPSK-37850-100RB#0-17.902



Date: 14.DEC.2020 20:47:07

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

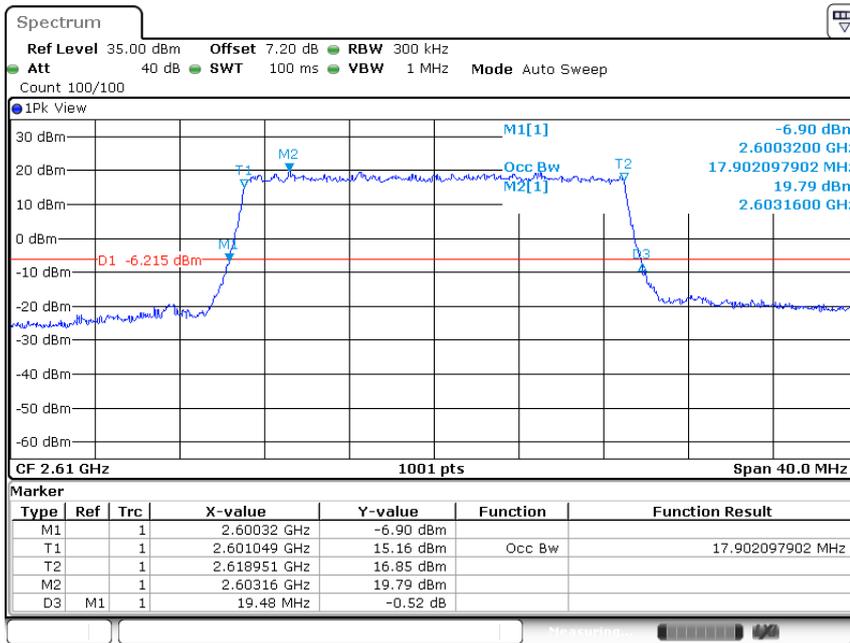


Date: 3.DEC.2020 22:08:41



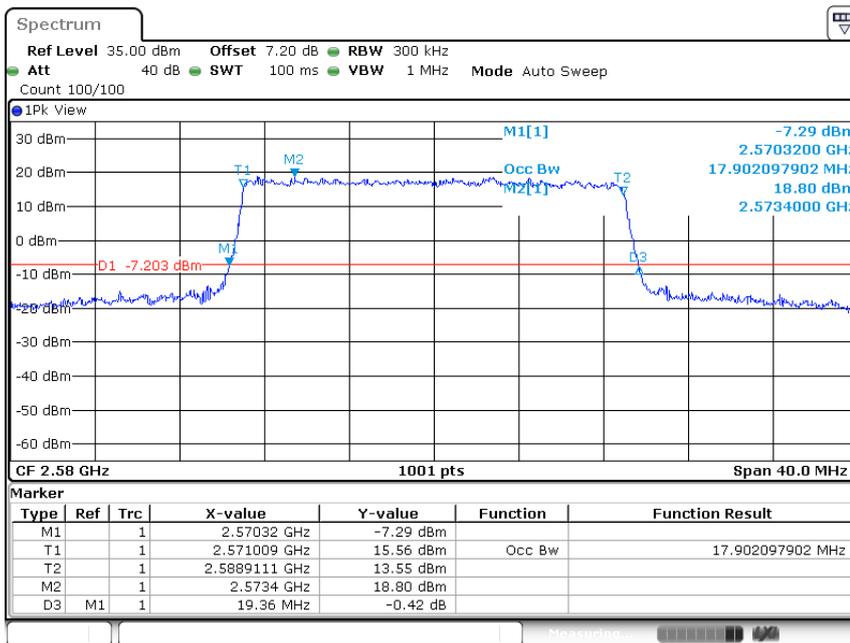
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Band38-20MHz-QPSK-38150-100RB#0-17.902



Date: 3.DEC.2020 22:09:31

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

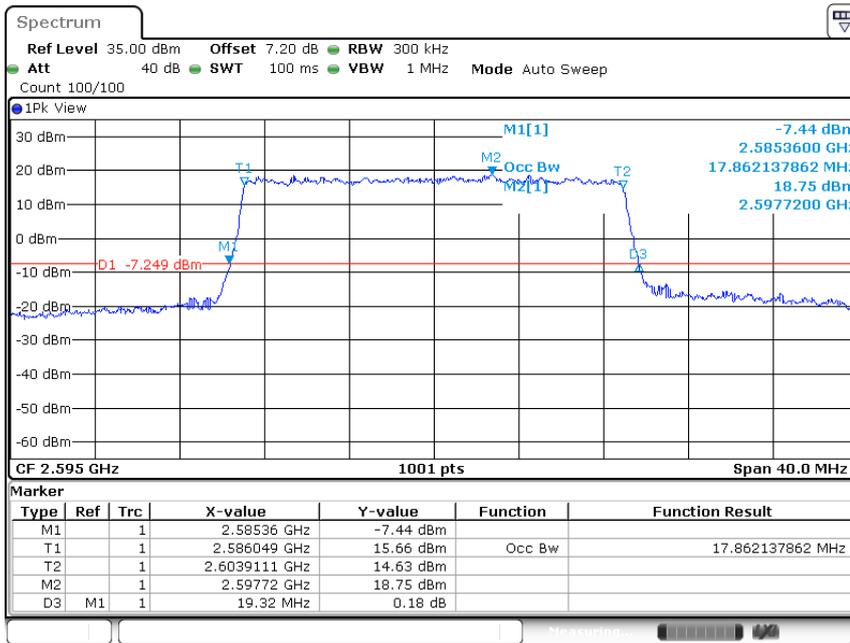


Date: 3.DEC.2020 22:08:16



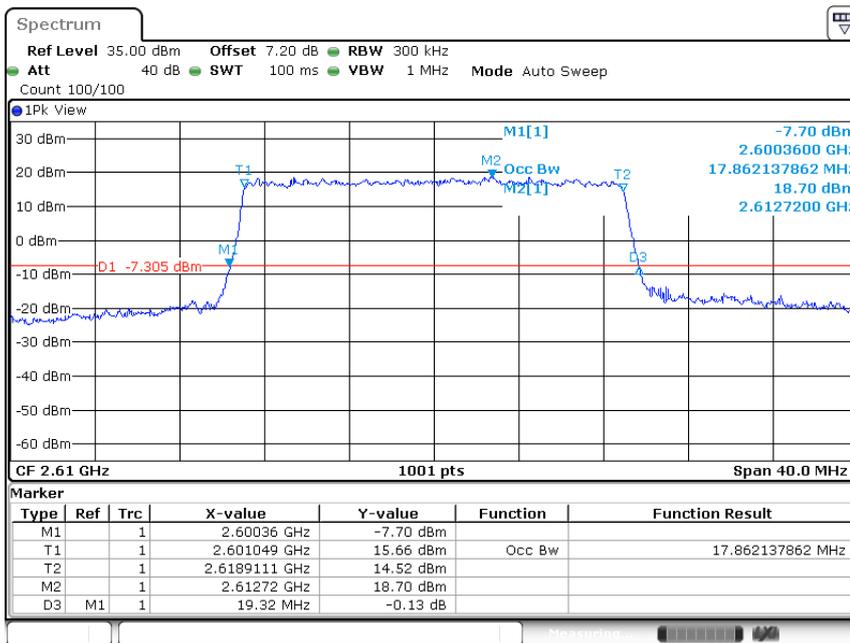
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Band38-20MHz-16QAM-38000-100RB#0-17.862



Date: 3.DEC.2020 22:09:06

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

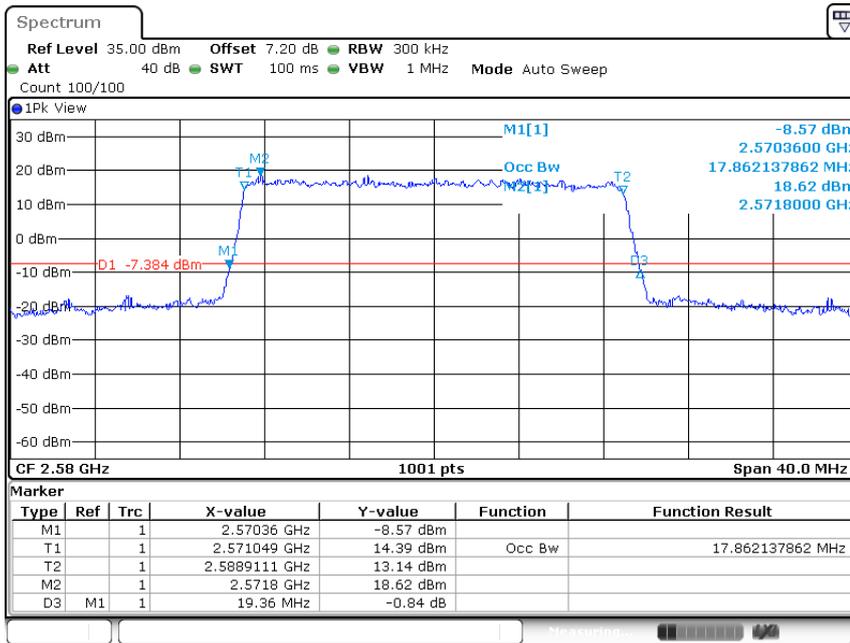


Date: 3.DEC.2020 22:09:56



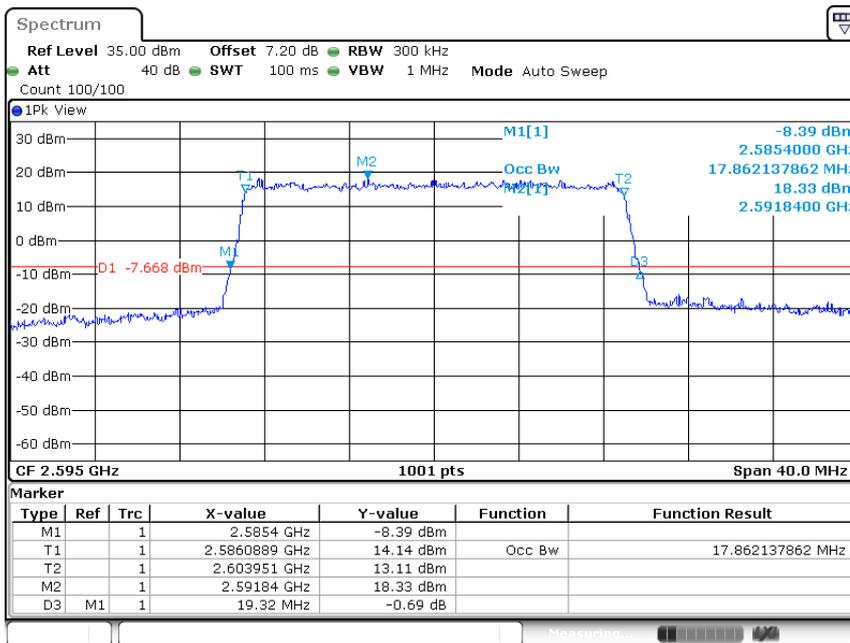
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Band38-20MHz-64QAM-37850-100RB#0-17.862



Date: 4.DEC.2020 09:07:19

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



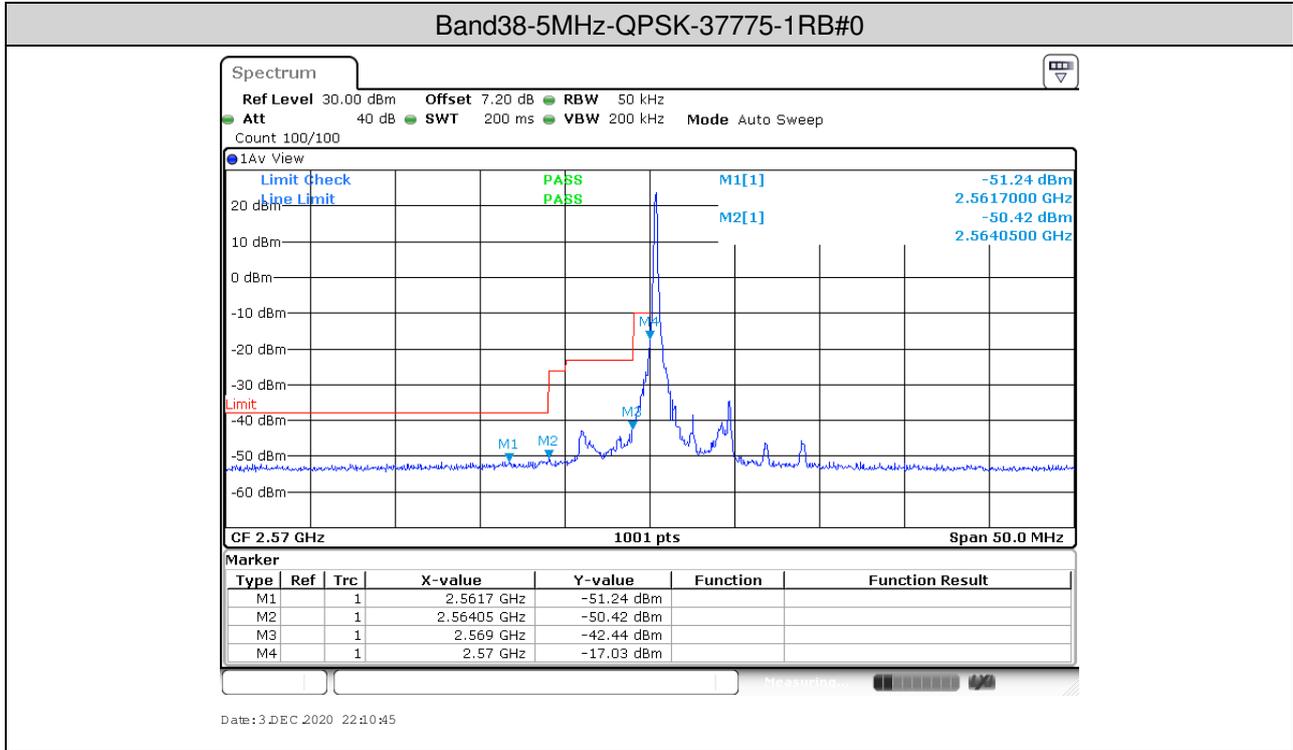
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5. Band Edge Compliance

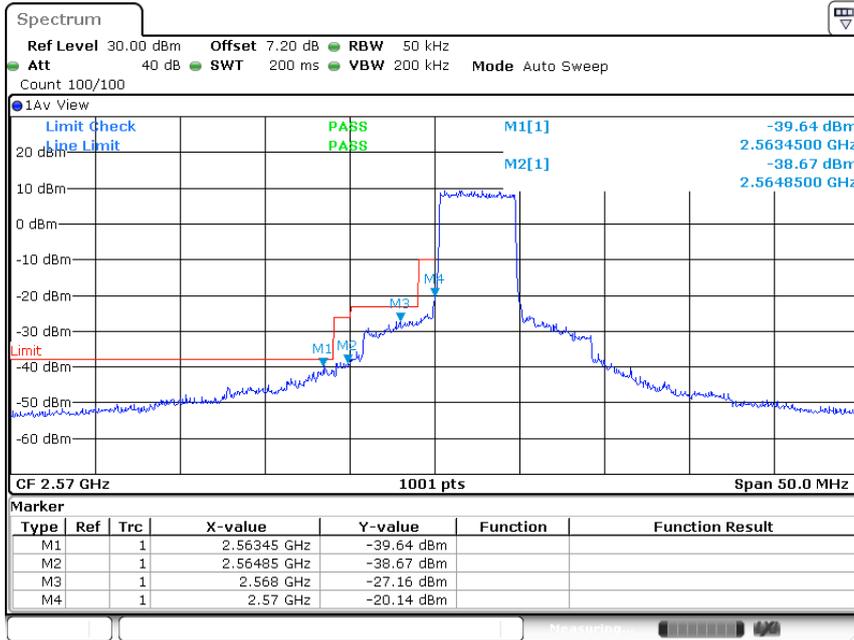
5.1. Test Plots



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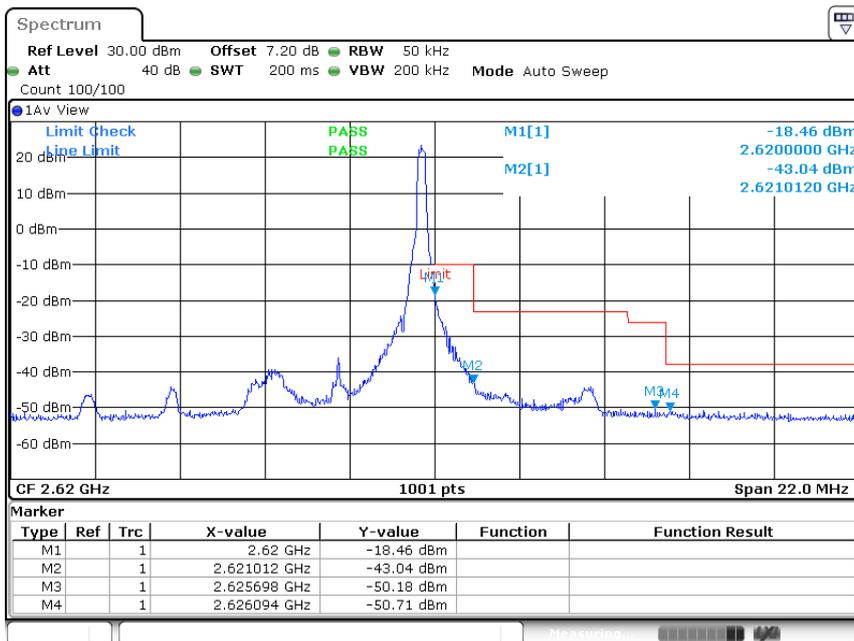
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Band38-5MHz-QPSK-37775-25RB#0



Date: 3 DEC 2020 22:12:07

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

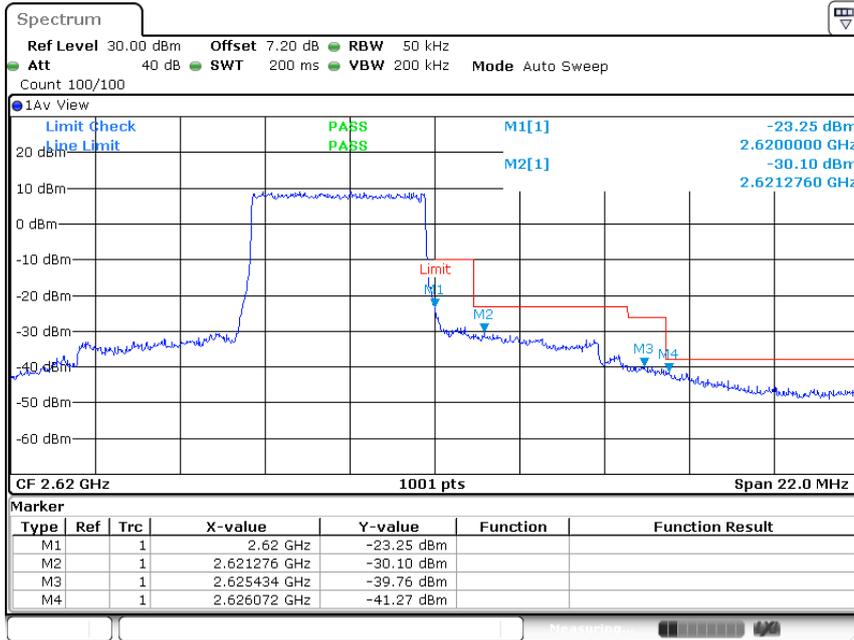


Date: 3 DEC 2020 22:13:37



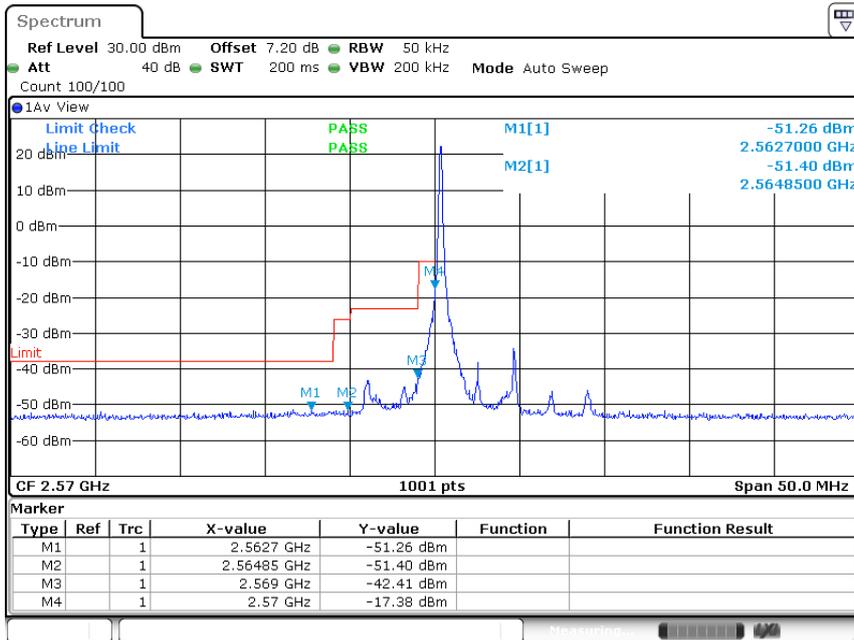
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Band38-5MHz-QPSK-38225-25RB#0



Date: 3 DEC 2020 22:15:00

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

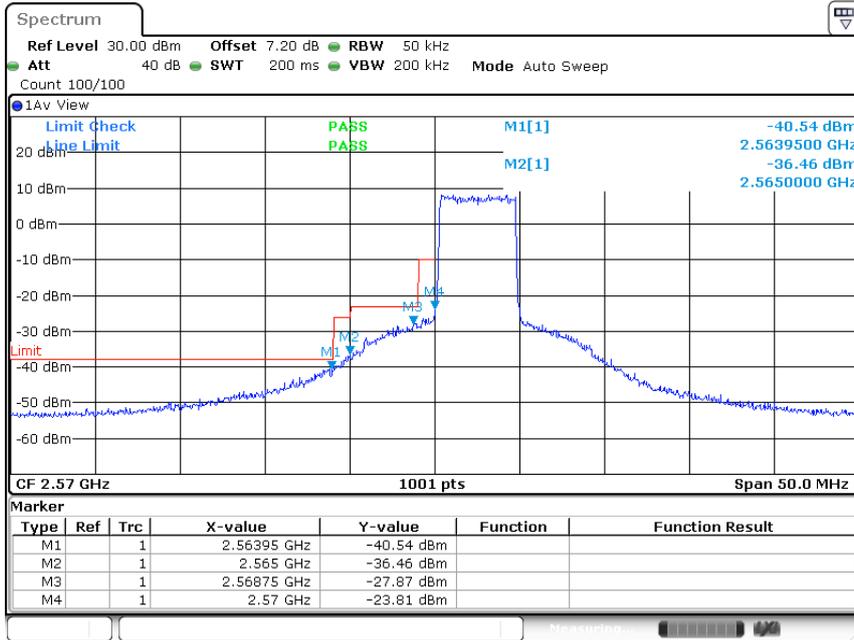


Date: 3 DEC 2020 22:11:26



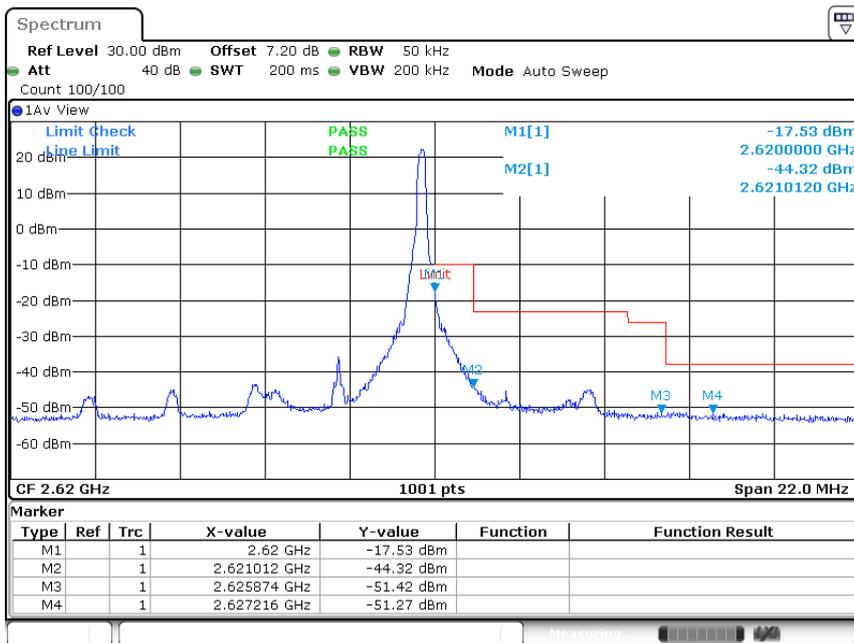
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Band38-5MHz-16QAM-37775-25RB#0



Date: 3 DEC 2020 22:12:49

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

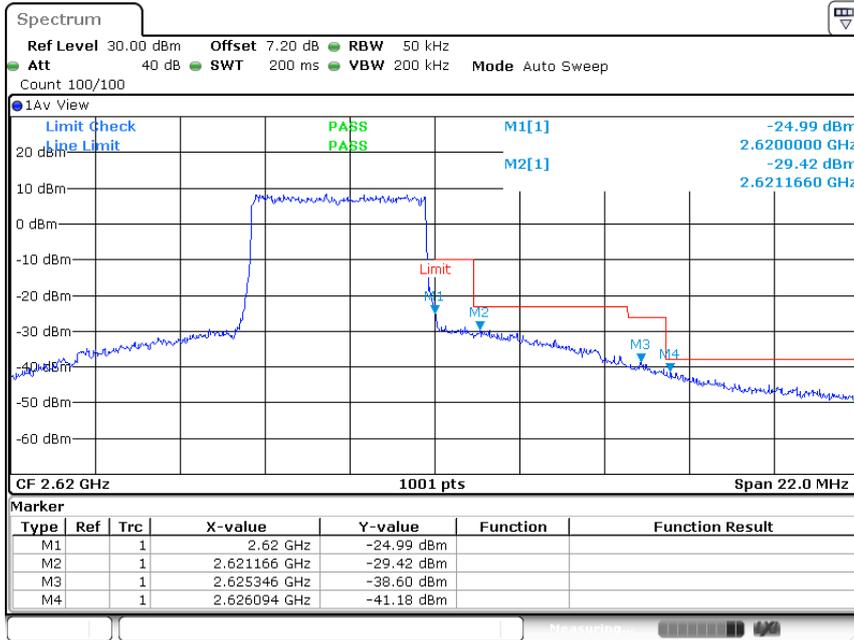


Date: 3 DEC 2020 22:14:18



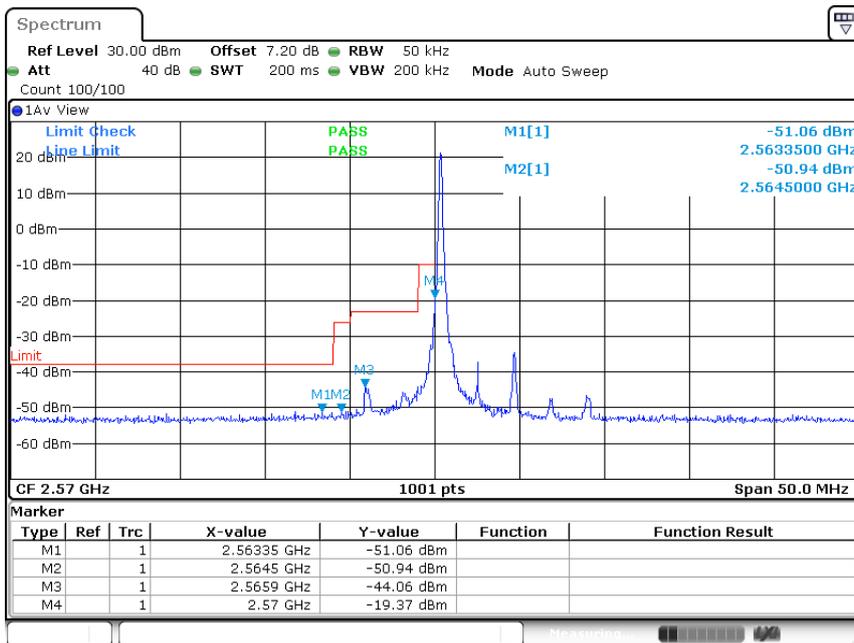
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Band38-5MHz-16QAM-38225-25RB#0



Date: 3 DEC 2020 22:15:44

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

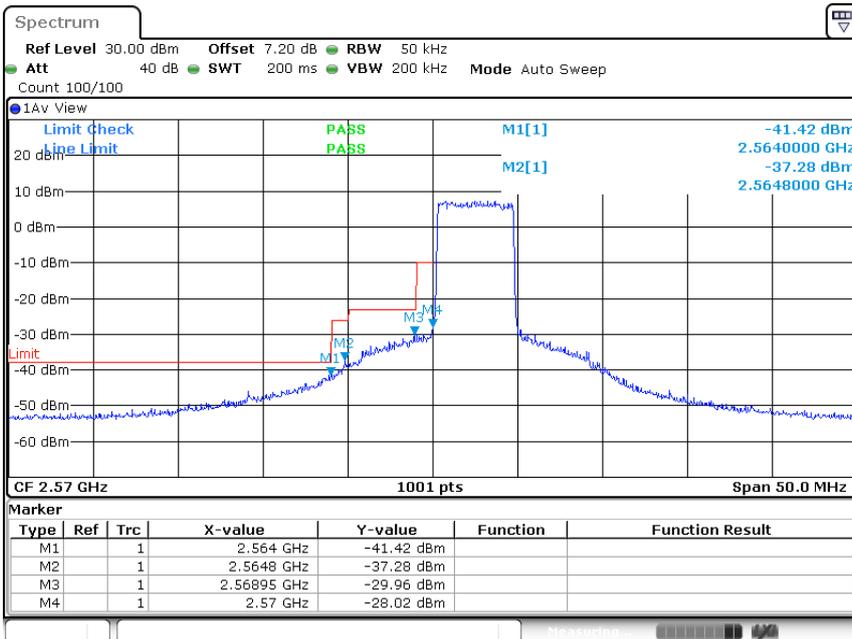


Date: 4 DEC 2020 09:08:58



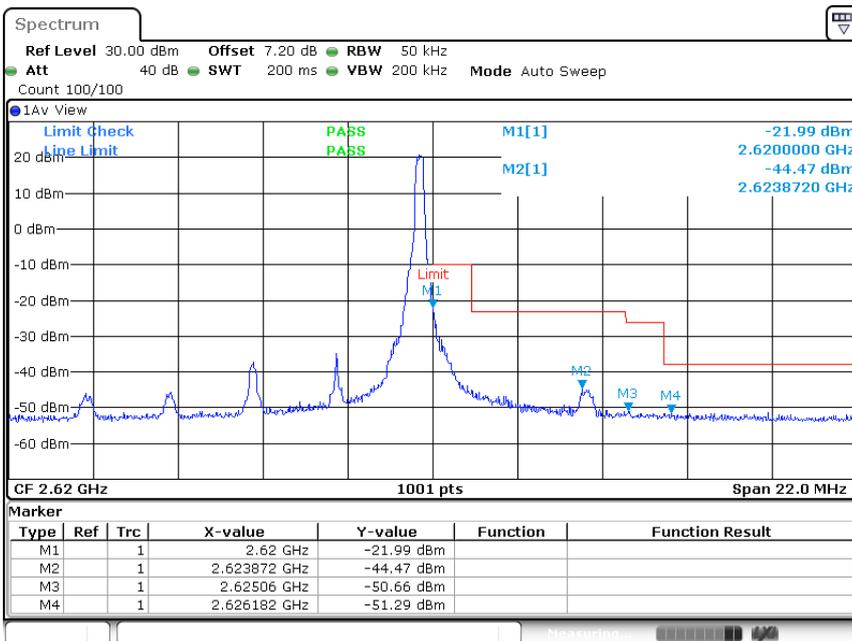
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Band38-5MHz-64QAM-37775-25RB#0



Date: 4 DEC 2020 09:09:40

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

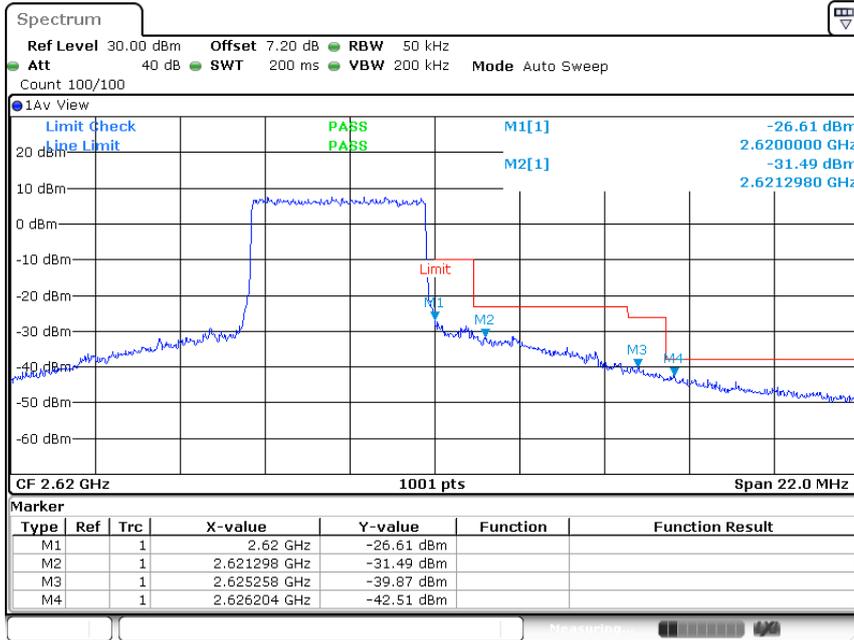


Date: 4 DEC 2020 09:10:28



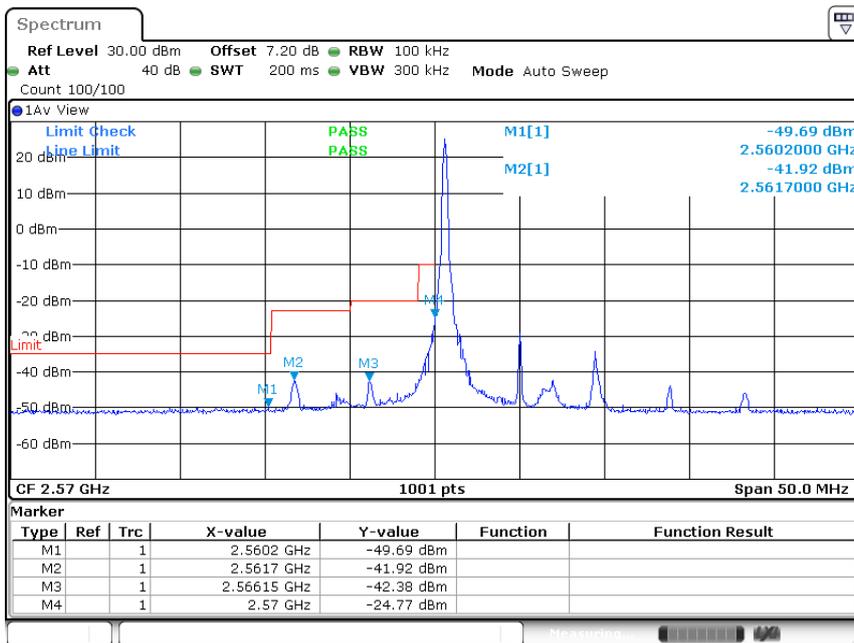
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Band38-5MHz-64QAM-38225-25RB#0



Date: 4 DEC 2020 09:11:10

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

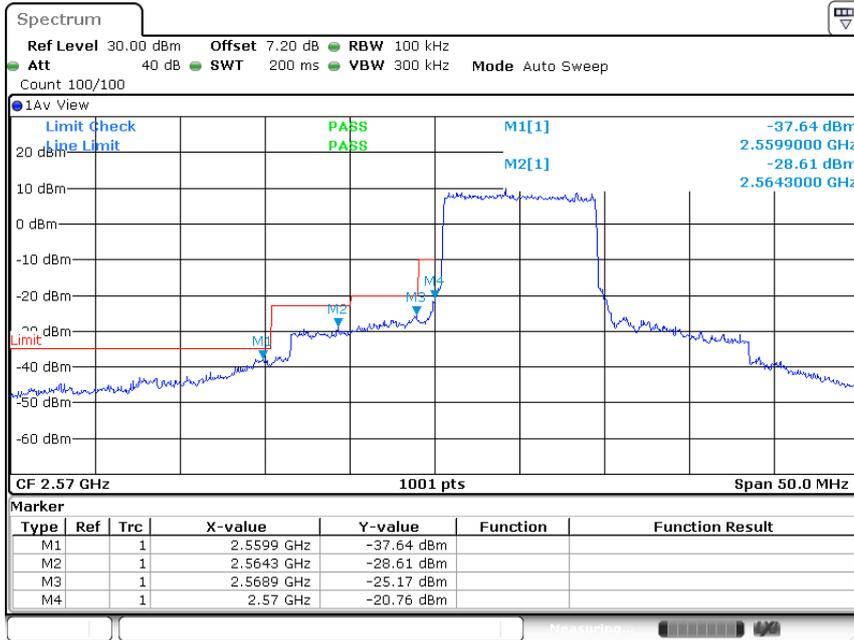


Date: 3 DEC 2020 22:29:37



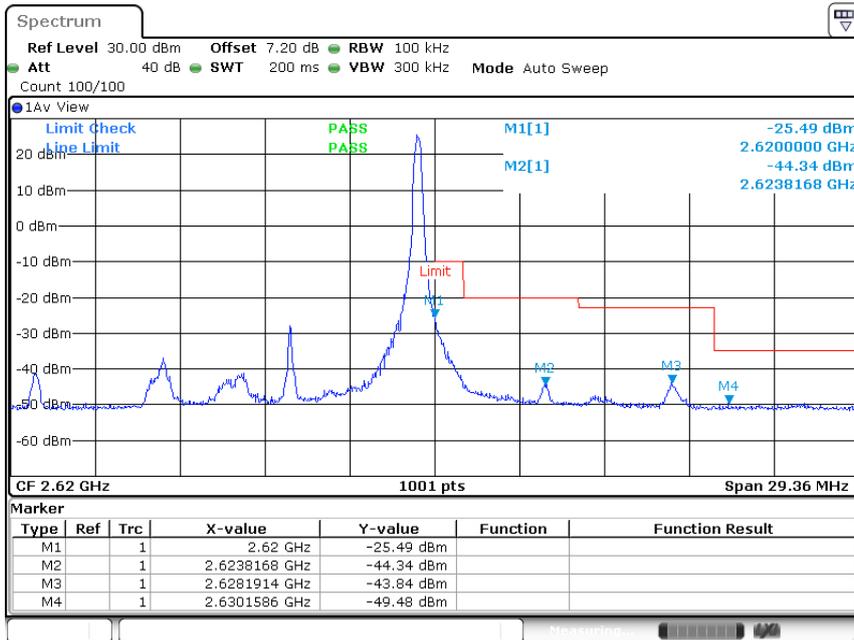
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Band38-10MHz-QPSK-37800-50RB#0



Date: 3 DEC 2020 22:31:00

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

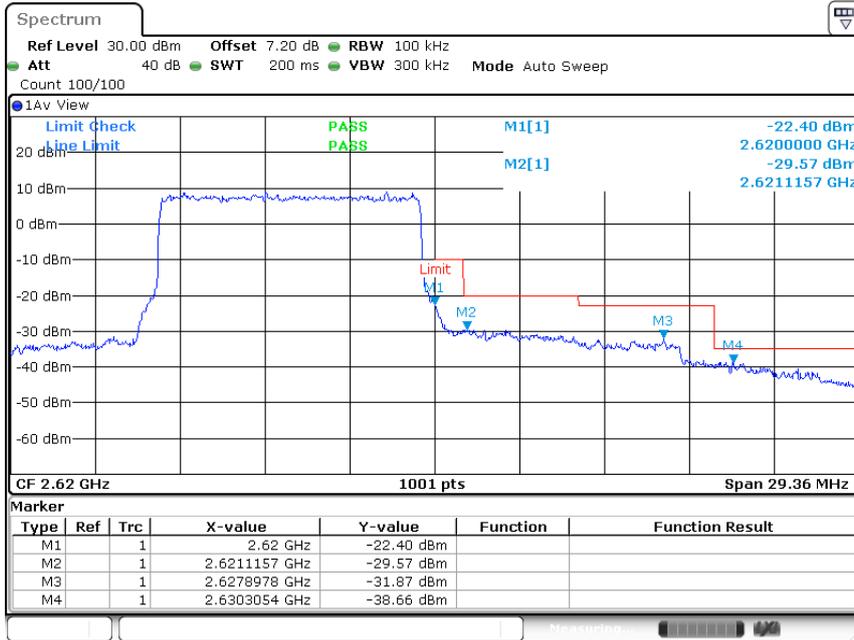


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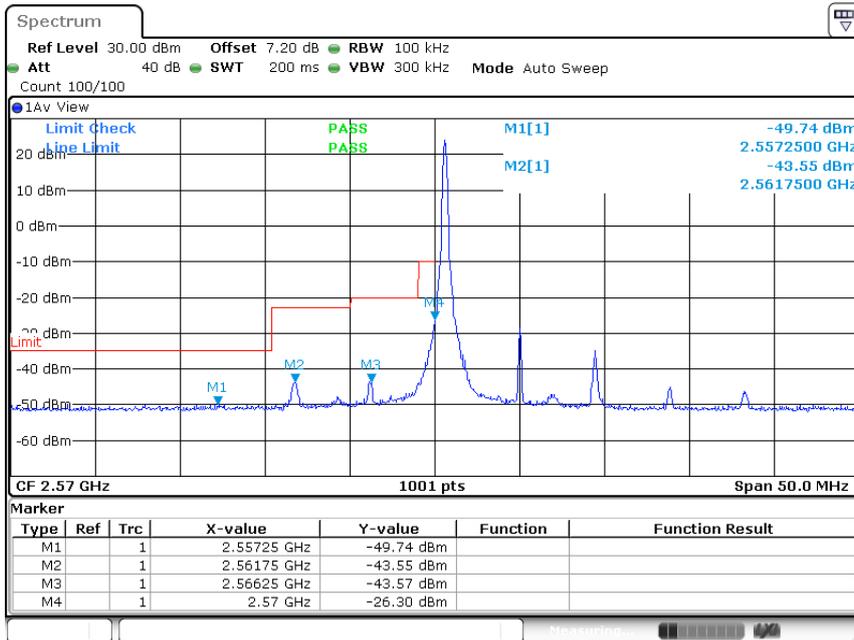
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Band38-10MHz-QPSK-38200-50RB#0



Date: 3 DEC 2020 22:33:52

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

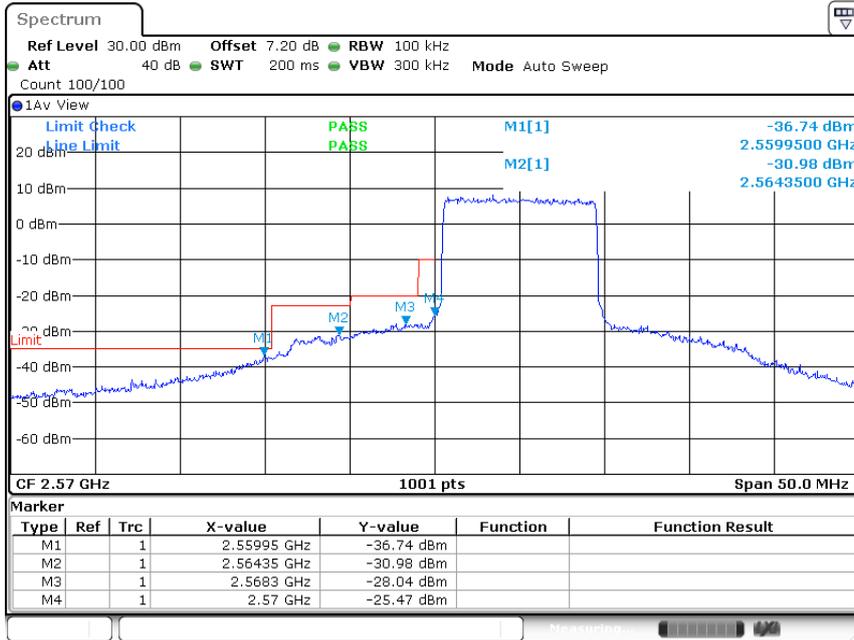


Date: 3 DEC 2020 22:30:18



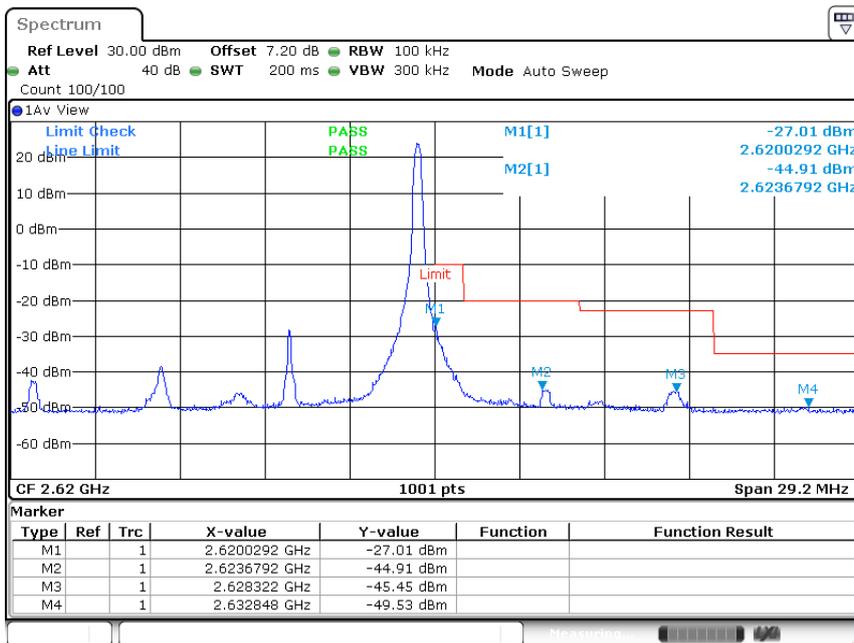
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Band38-10MHz-16QAM-37800-50RB#0



Date: 3 DEC 2020 22:31:41

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

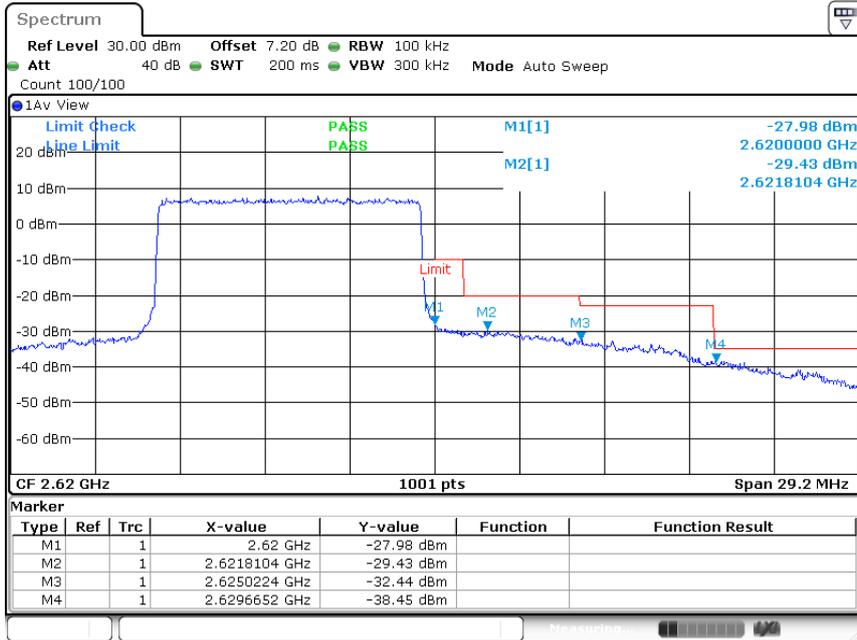


Date: 3 DEC 2020 22:33:11



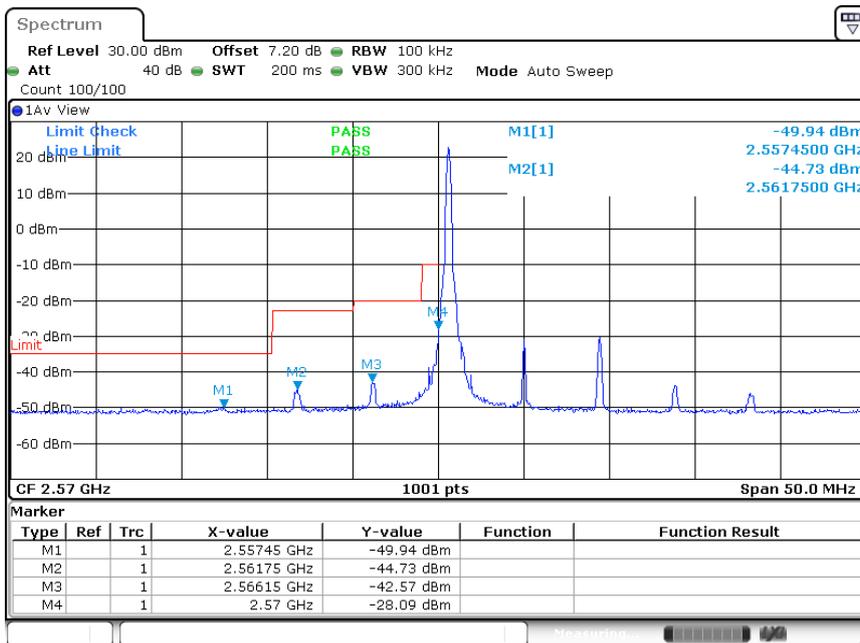
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Band38-10MHz-16QAM-38200-50RB#0



Date: 3 DEC 2020 22:34:34

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

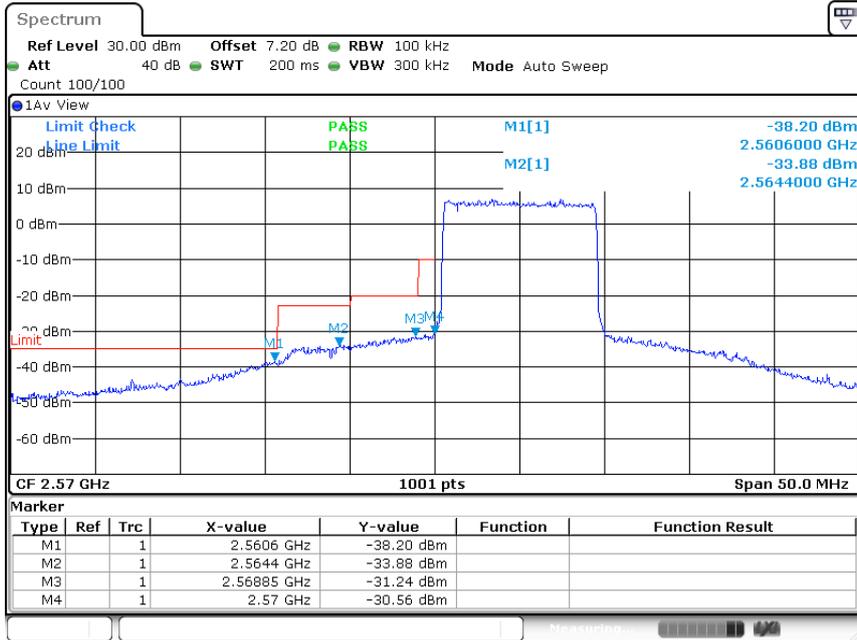


Date: 14 DEC 2020 20:50:17



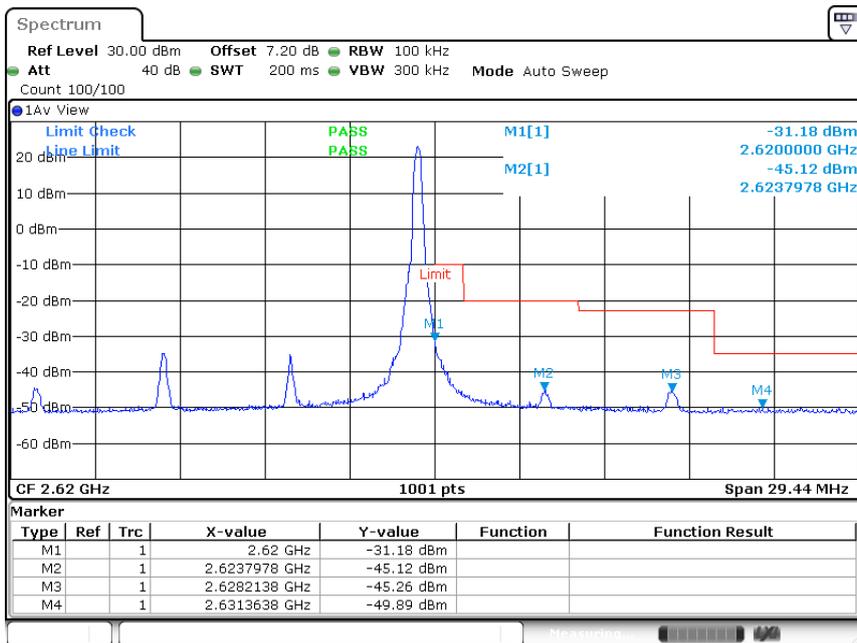
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Band38-10MHz-64QAM-37800-50RB#0



Date: 4 DEC 2020 09:12:50

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

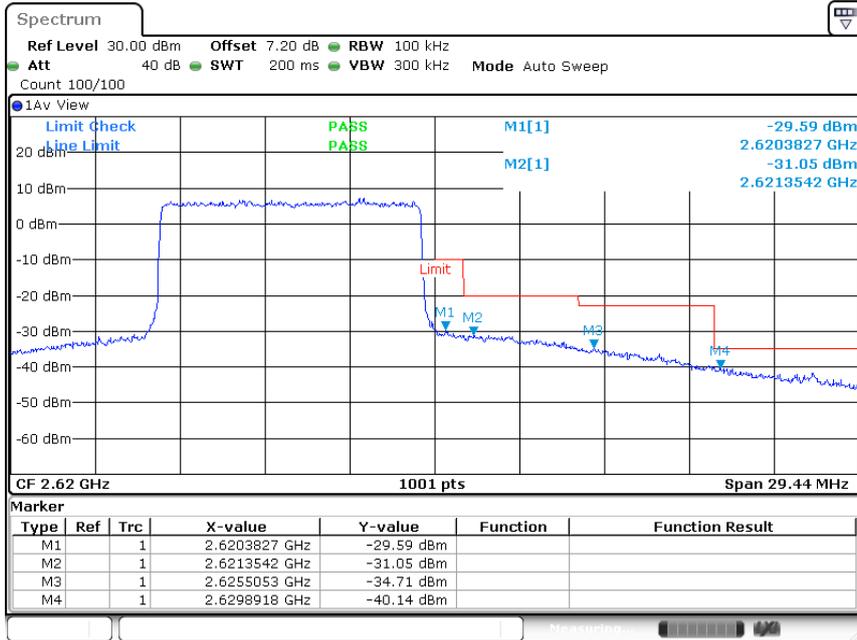


Date: 4 DEC 2020 09:13:38



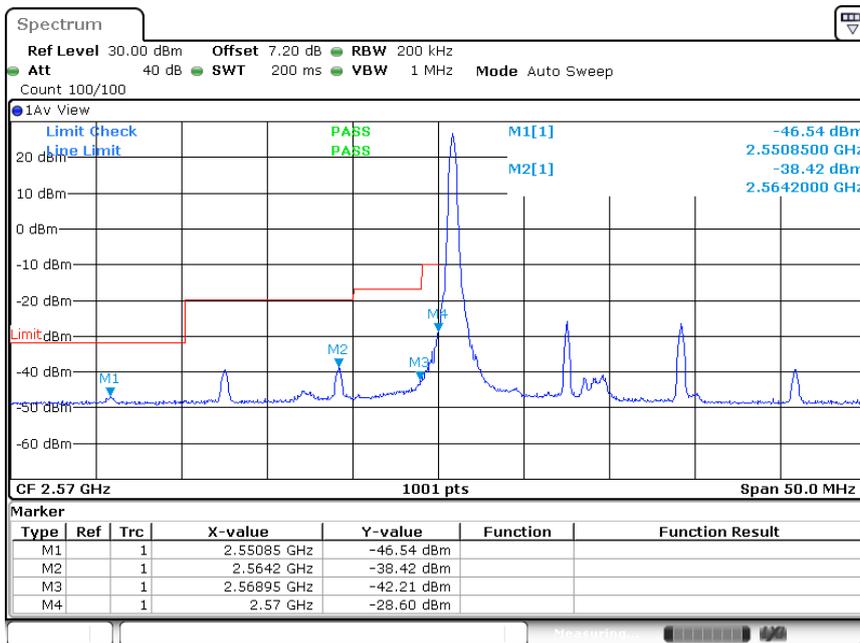
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Band38-10MHz-64QAM-38200-50RB#0



Date: 4 DEC 2020 09:14:19

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

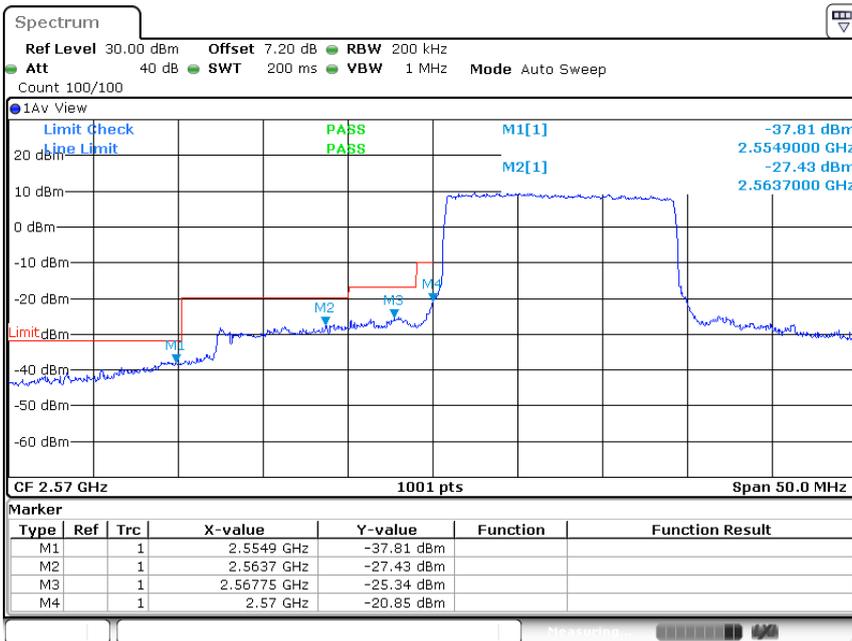


Date: 14 DEC 2020 20:51:37



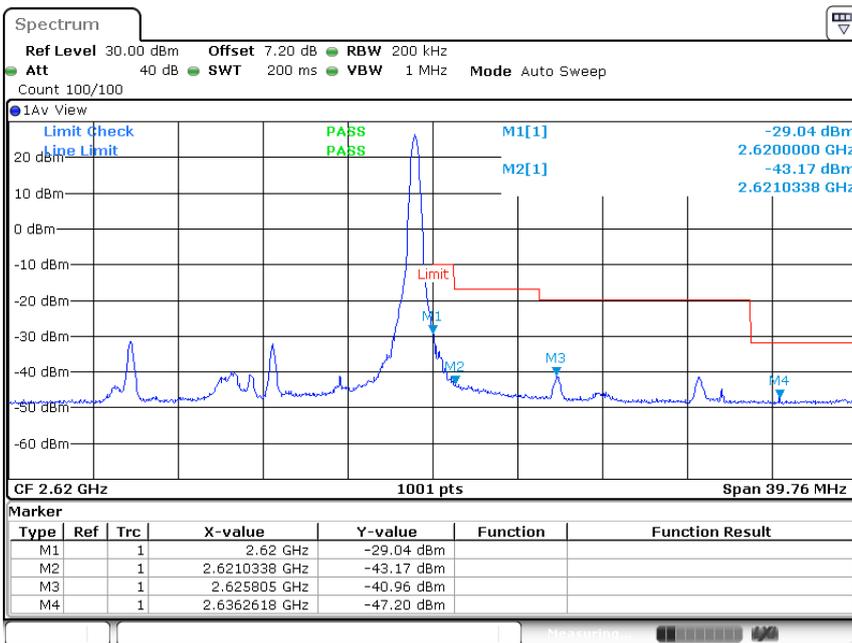
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Band38-15MHz-QPSK-37825-75RB#0



Date: 4 DEC 2020 08:37:17

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

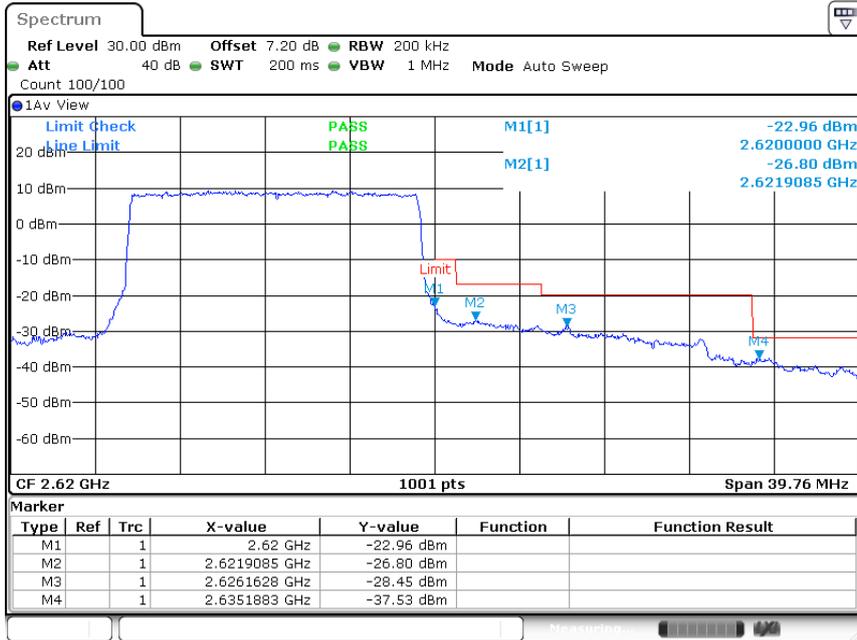


Date: 4 DEC 2020 08:38:47



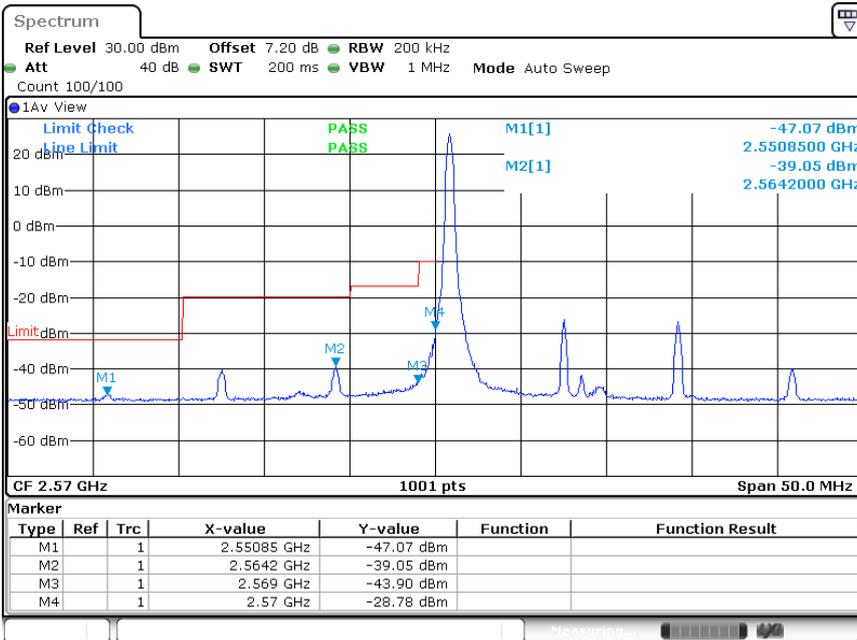
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Band38-15MHz-QPSK-38175-75RB#0



Date: 4 DEC 2020 08:40:10

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

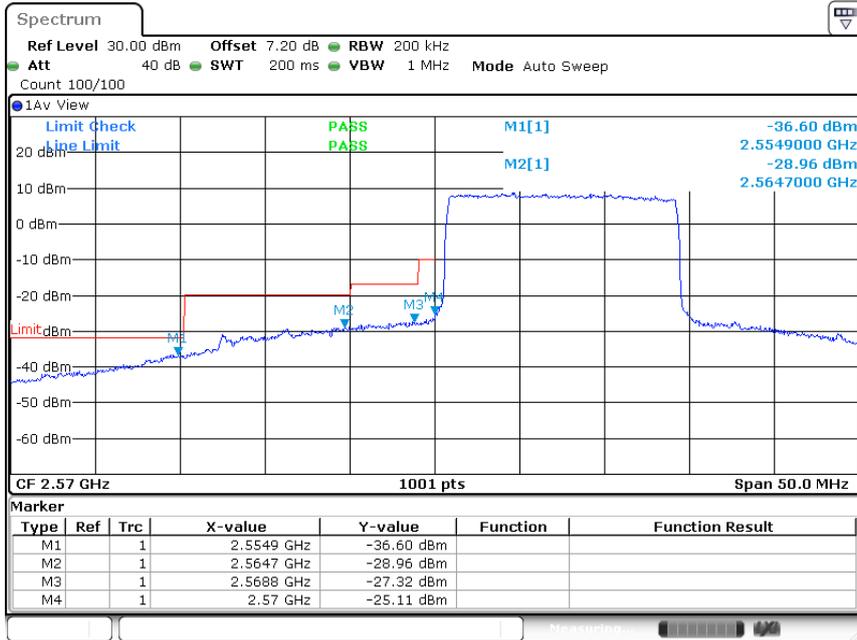


Date: 14 DEC 2020 20:52:18



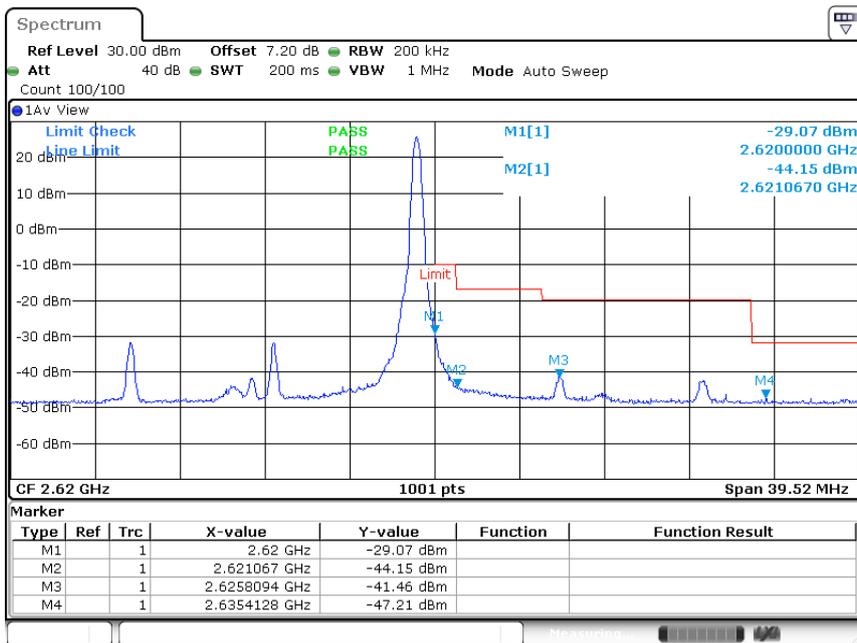
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Band38-15MHz-16QAM-37825-75RB#0



Date: 4 DEC 2020 08:37:58

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

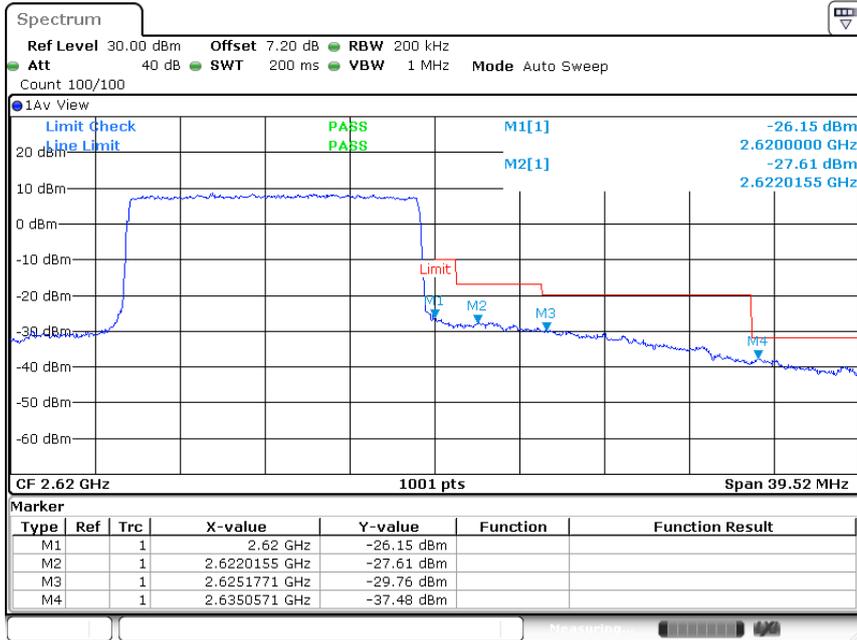


Date: 4 DEC 2020 08:39:28



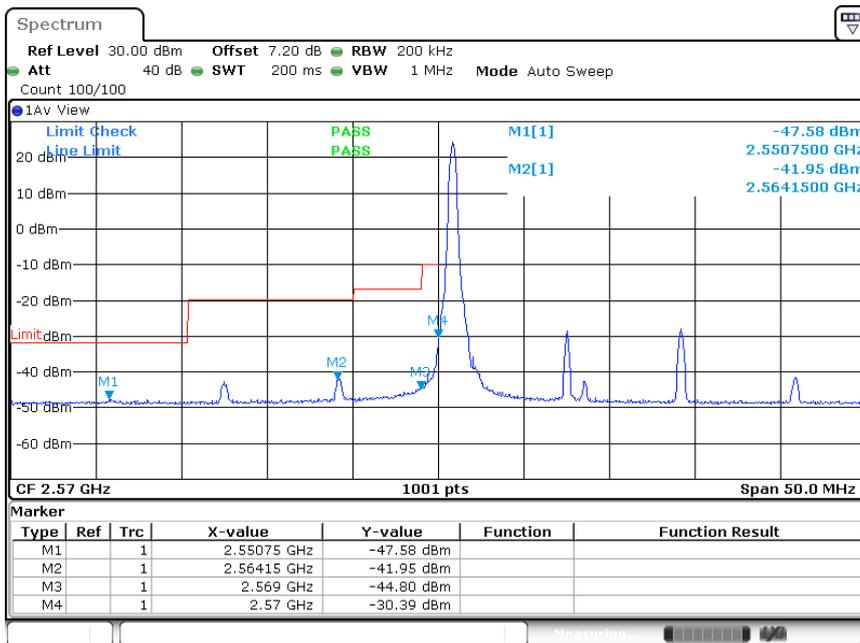
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Band38-15MHz-16QAM-38175-75RB#0



Date: 4 DEC 2020 08:40:51

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

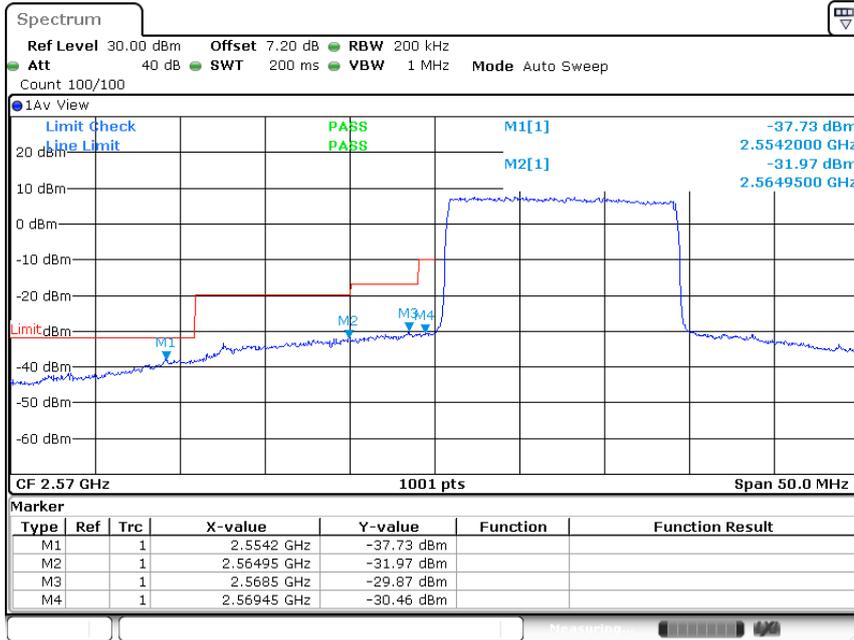


Date: 14 DEC 2020 20:54:59



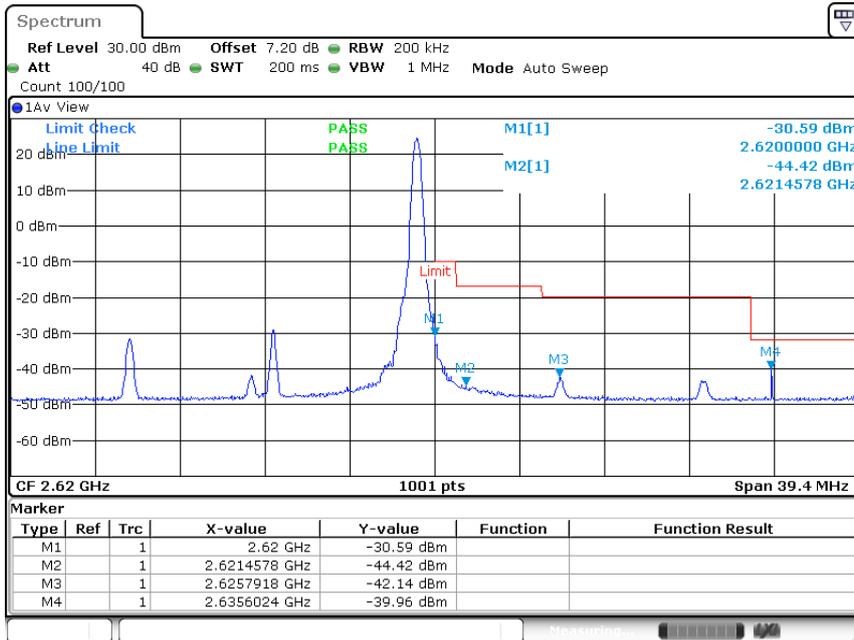
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Band38-15MHz-64QAM-37825-75RB#0



Date: 4 DEC 2020 09:16:01

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

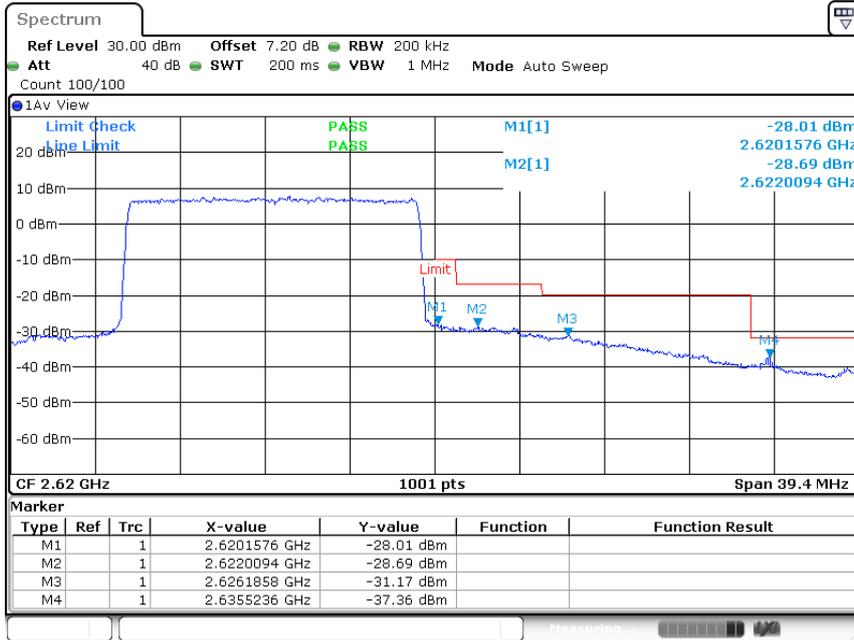


Date: 4 DEC 2020 09:16:50



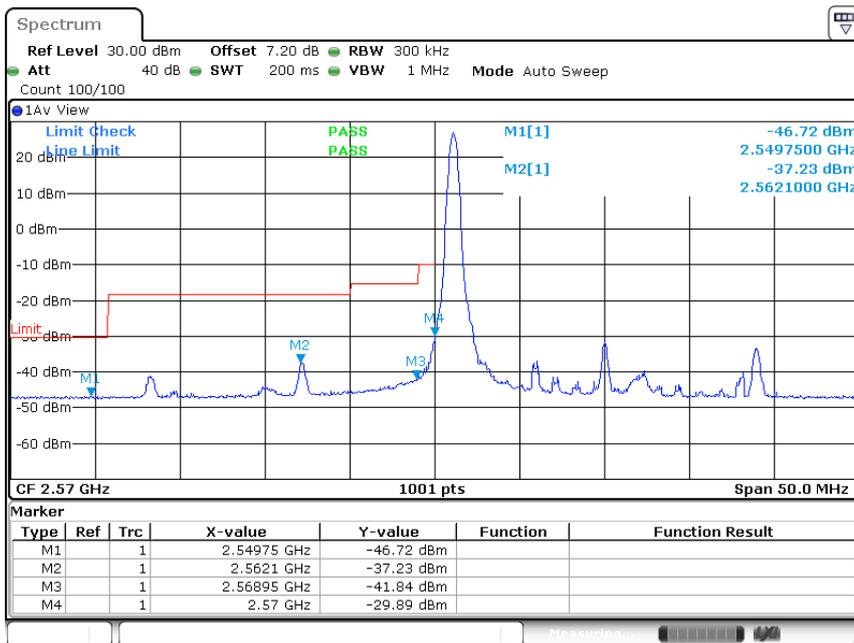
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Band38-15MHz-64QAM-38175-75RB#0



Date: 4 DEC 2020 09:17:31

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

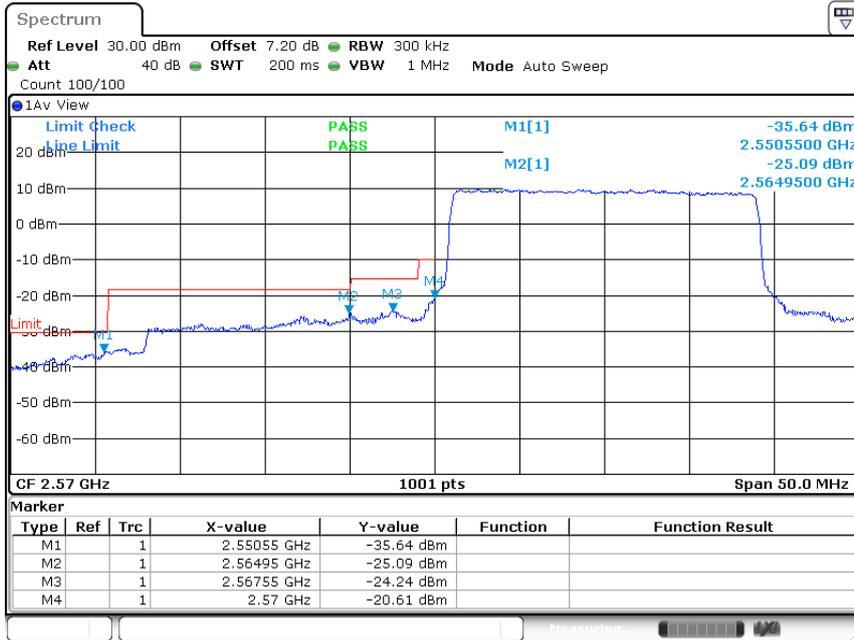


Date: 4 DEC 2020 08:43:04



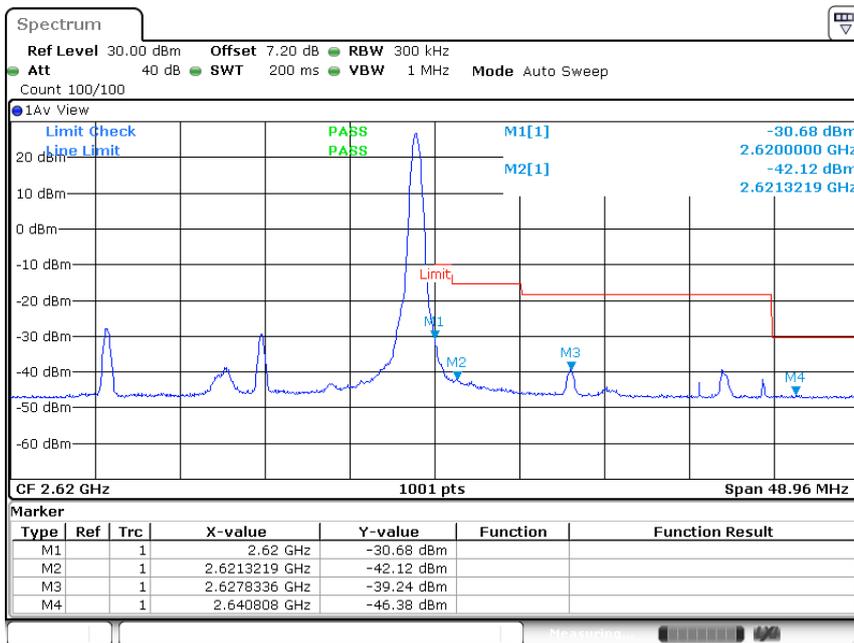
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Band38-20MHz-QPSK-37850-100RB#0



Date: 4 DEC 2020 08:44:26

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

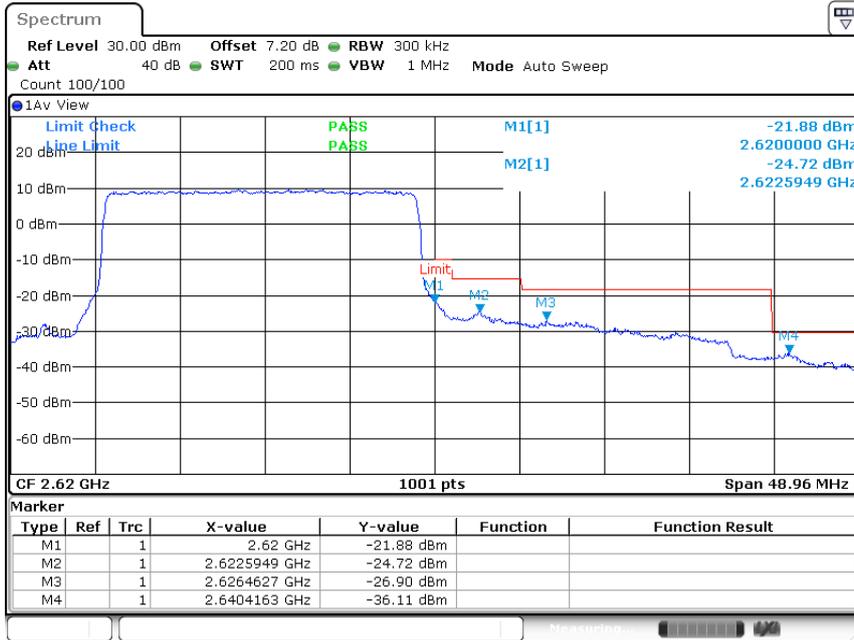


Date: 4 DEC 2020 08:45:56



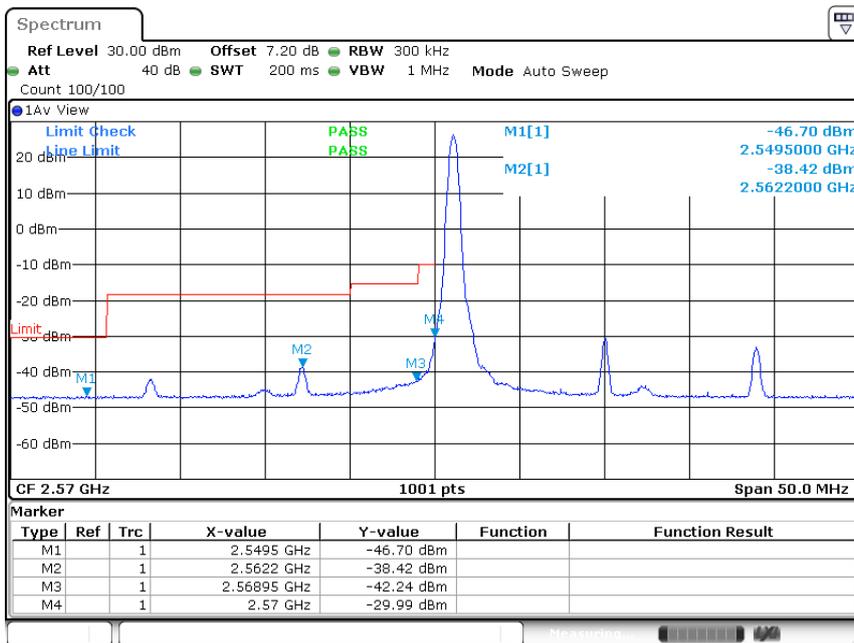
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Band38-20MHz-QPSK-38150-100RB#0



Date: 4 DEC 2020 08:47:18

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

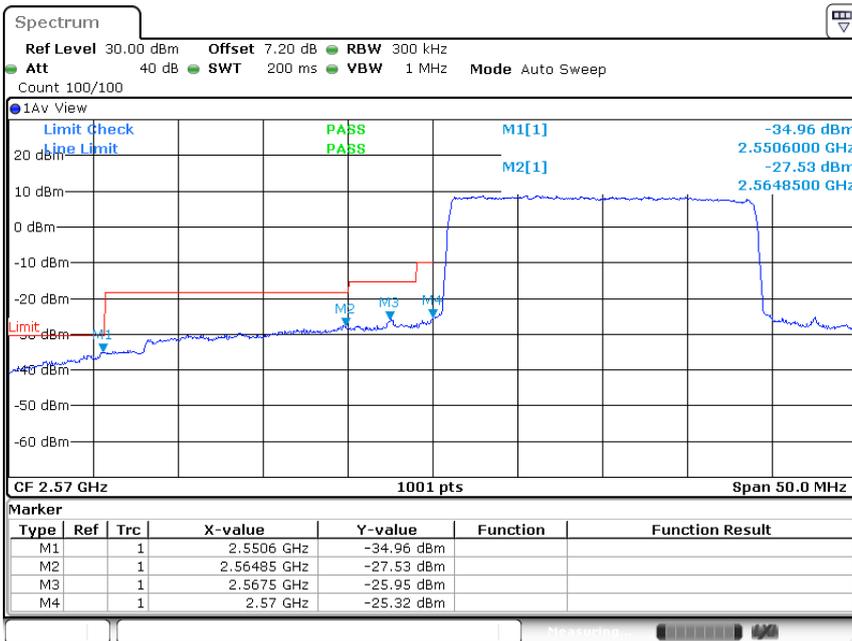


Date: 4 DEC 2020 08:43:45



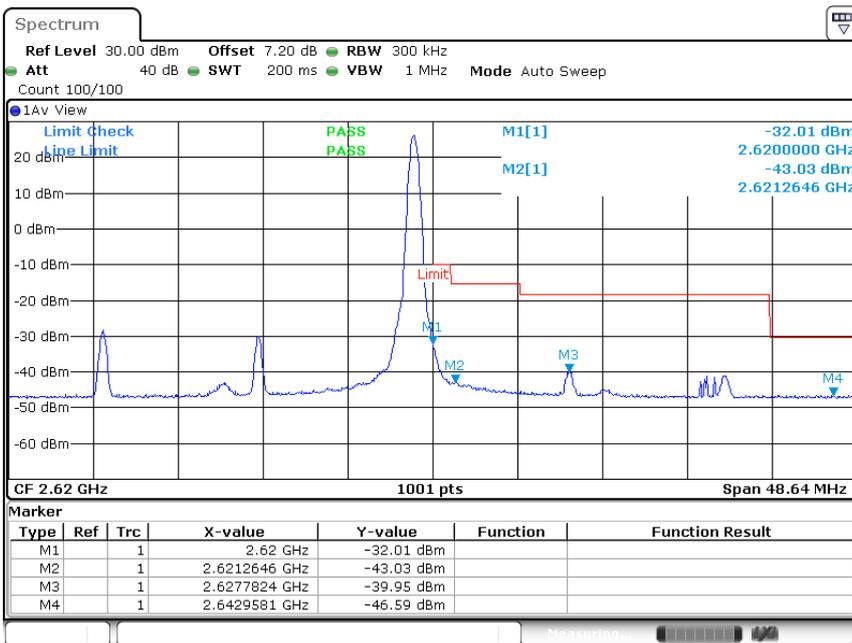
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Band38-20MHz-16QAM-37850-100RB#0



Date: 4 DEC 2020 08:45:08

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

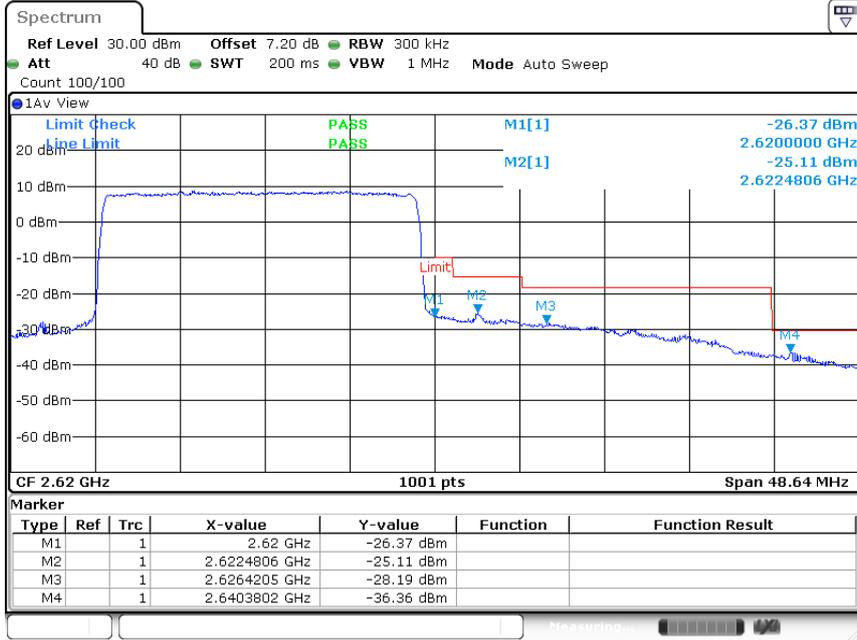


Date: 4 DEC 2020 08:46:37



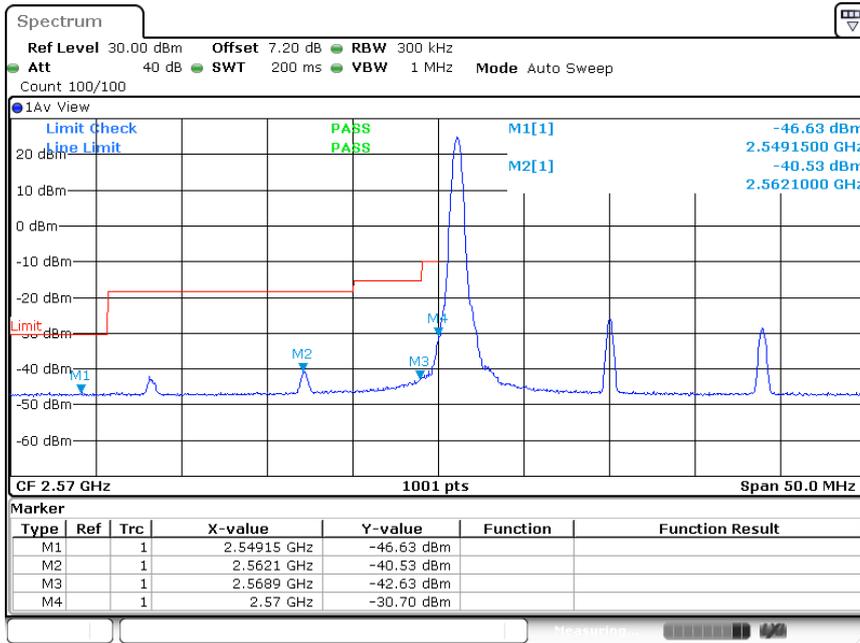
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Band38-20MHz-16QAM-38150-100RB#0



Date: 4 DEC 2020 08:48:00

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

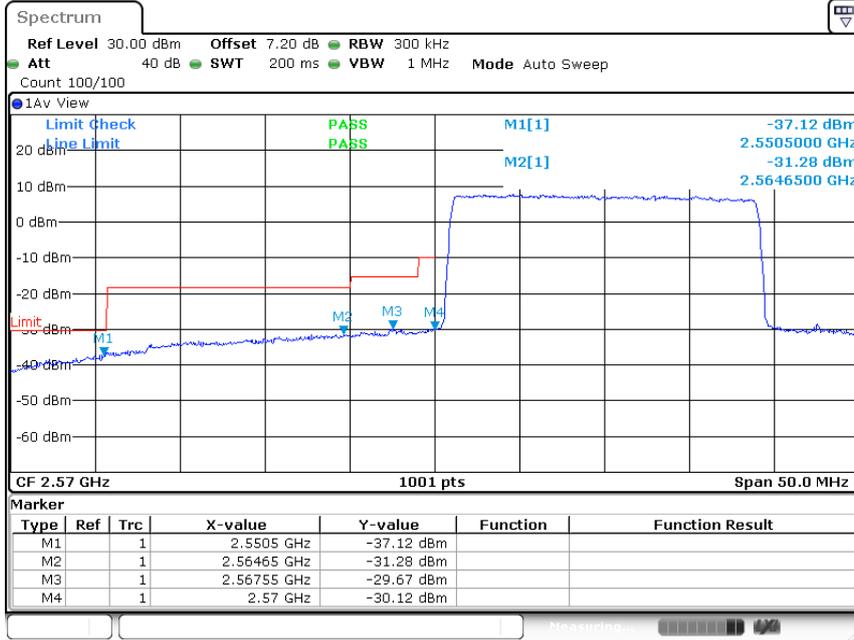


Date: 14 DEC 2020 20:54:09



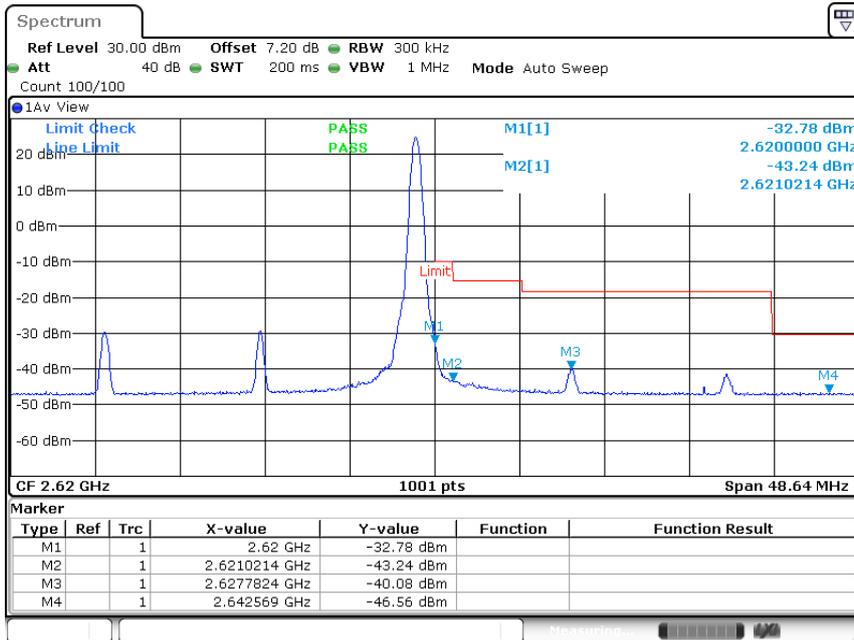
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Band38-20MHz-64QAM-37850-100RB#0



Date: 4 DEC 2020 09:19:12

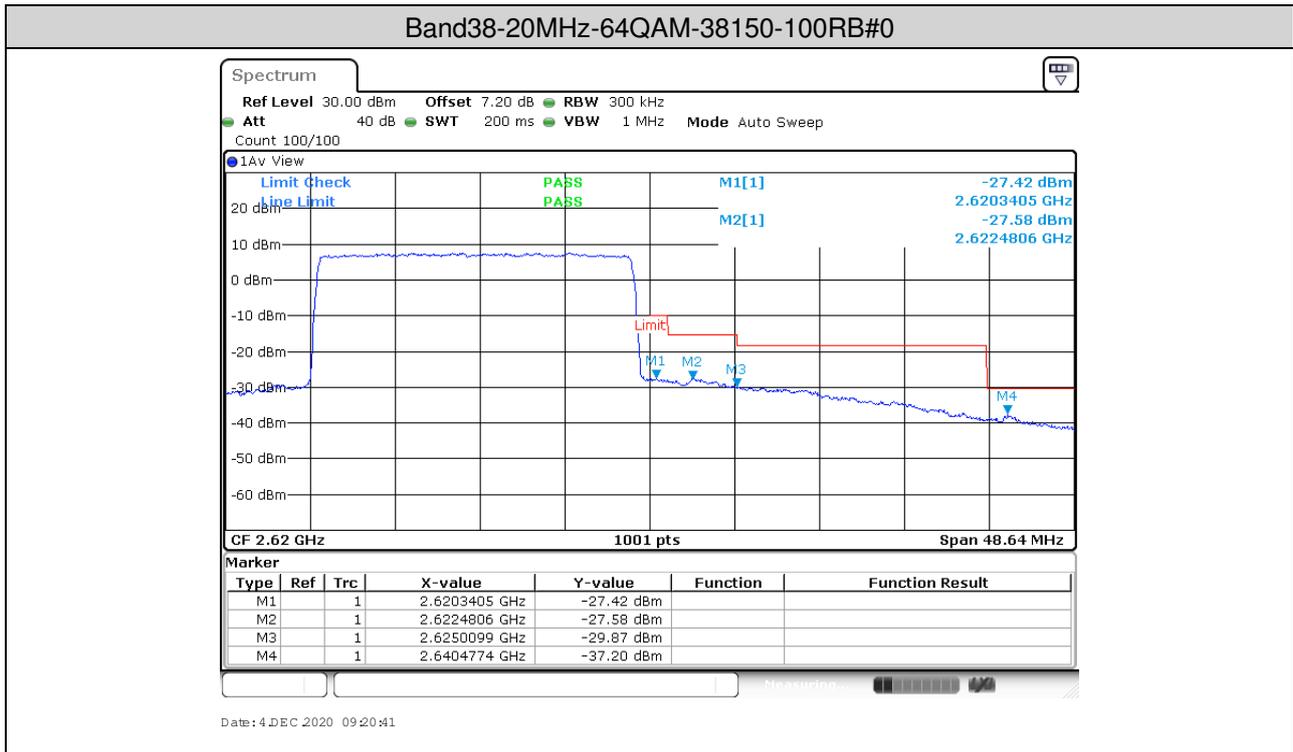
Band38-20MHz-64QAM-38150-1RB#99



Date: 4 DEC 2020 09:20:00



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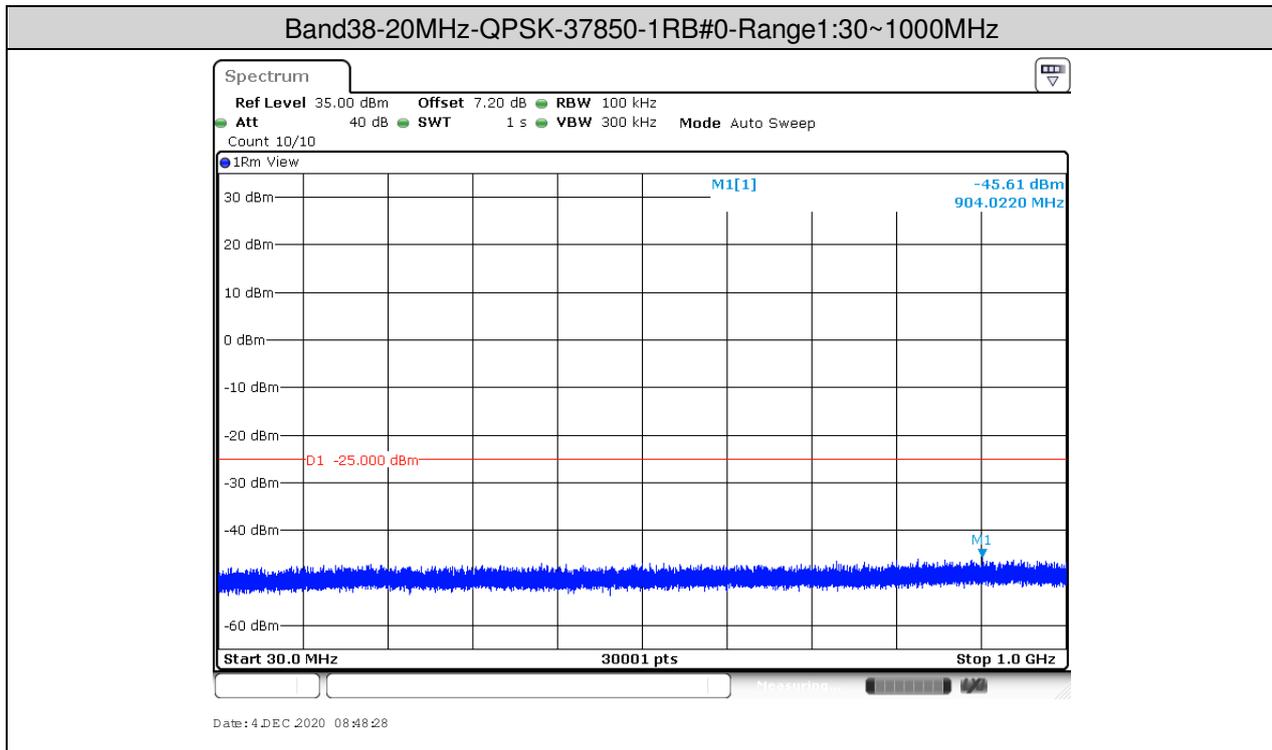
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6. Spurious Emission at Antenna Terminal

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 = $k * (Span / RBW)$ " 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

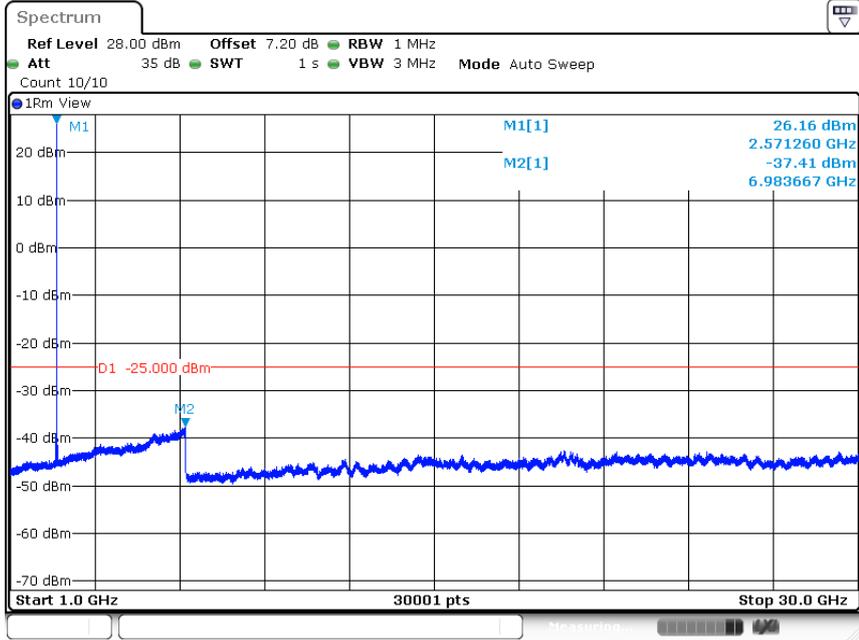


Date: 4 DEC. 2020 08:48:28



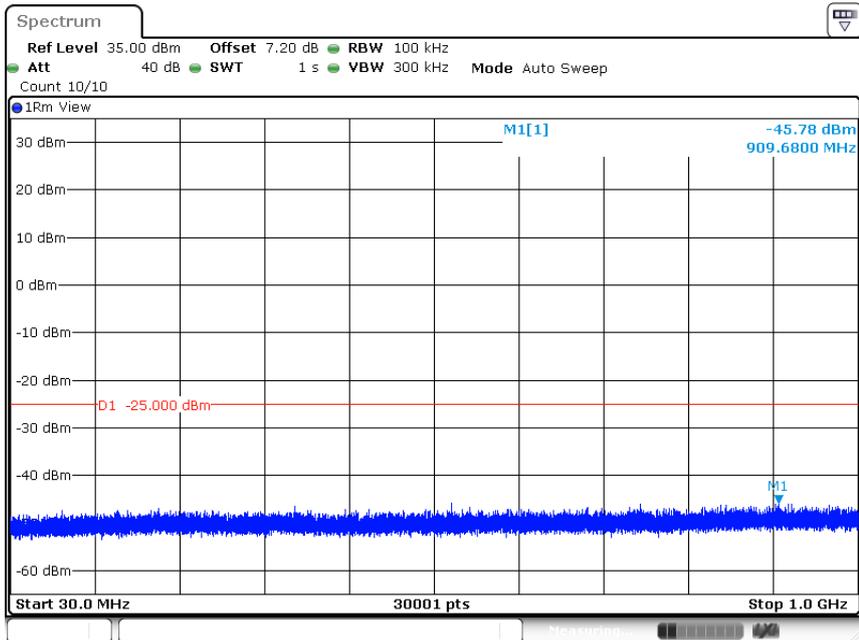
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Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~30000MHz



Date: 4 DEC 2020 08:48:48

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

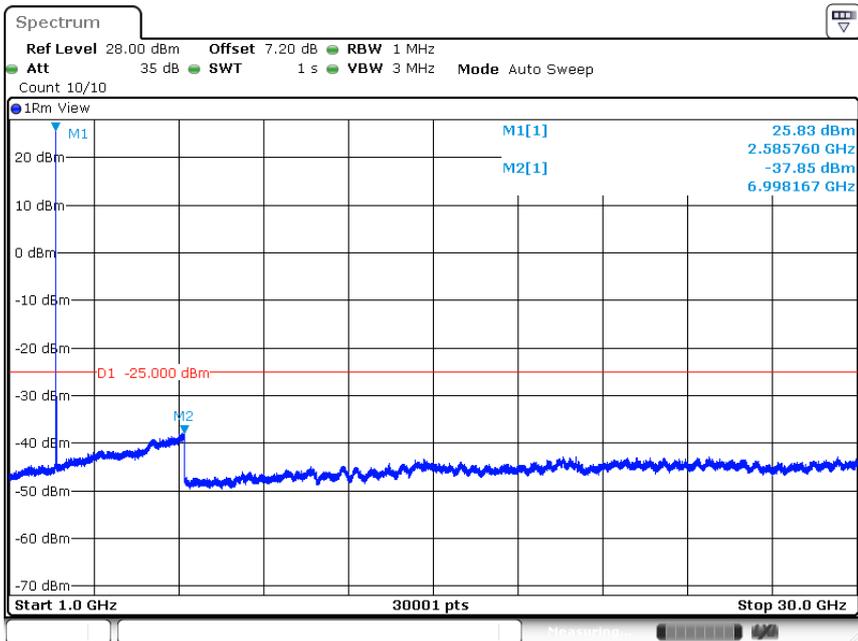


Date: 4 DEC 2020 08:49:56



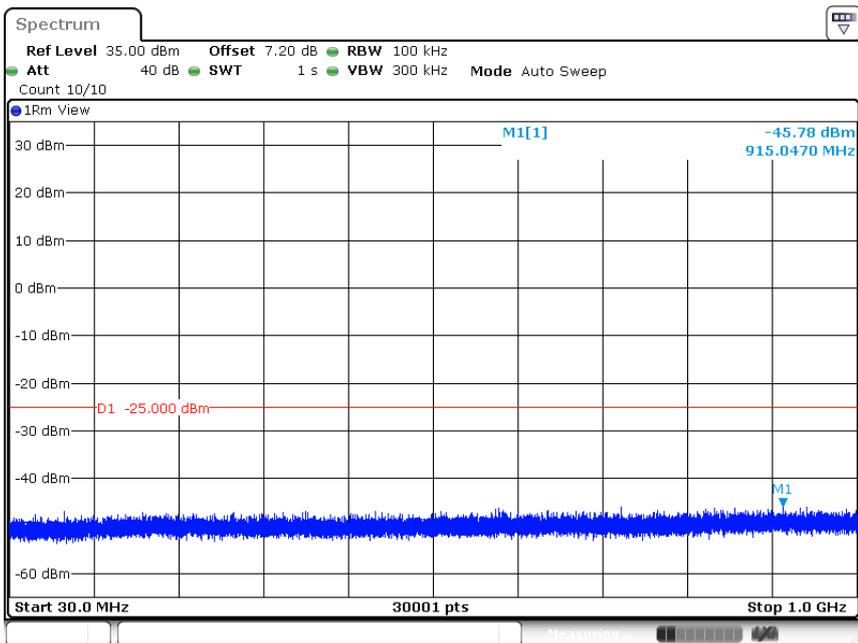
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Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~30000MHz



Date: 4 DEC 2020 08:50:16

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

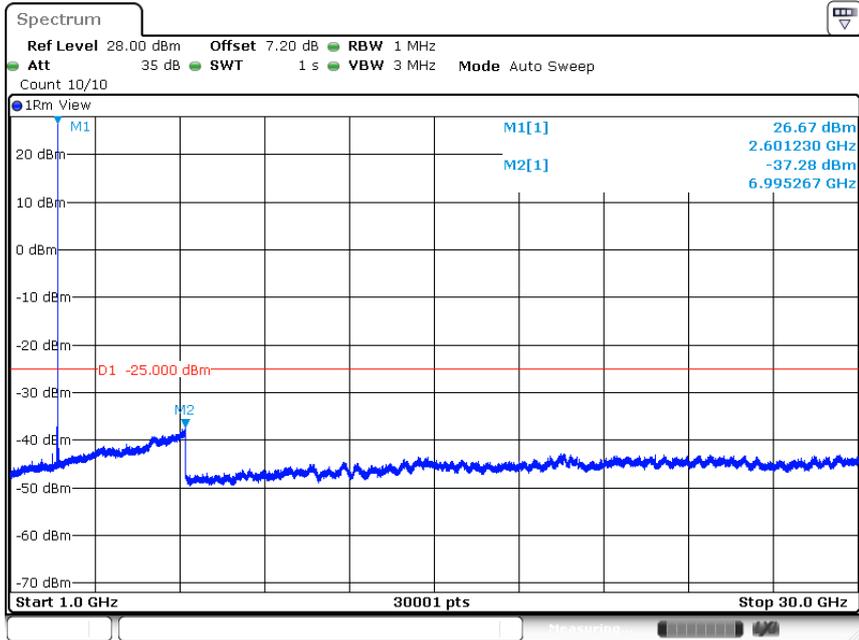


Date: 4 DEC 2020 08:51:25



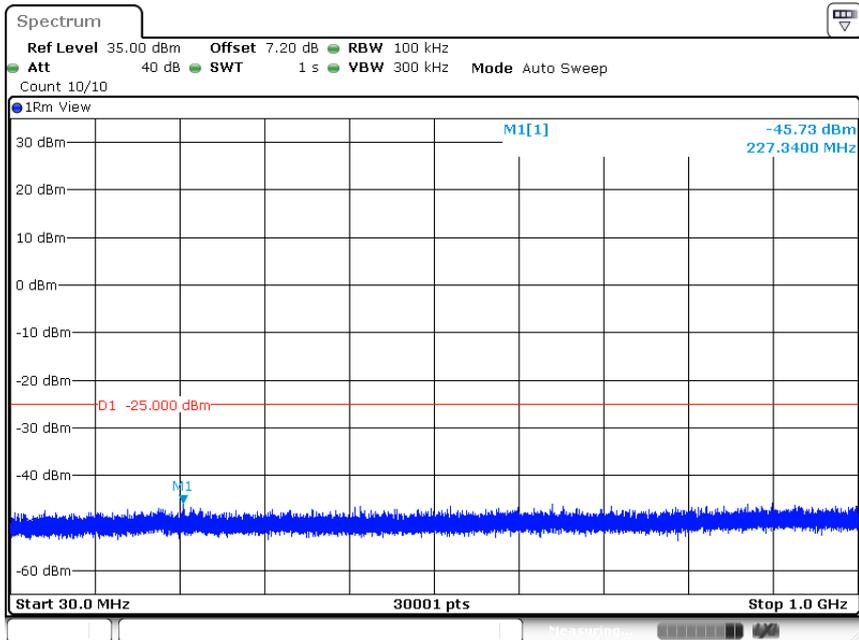
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Band38-20MHz-QPSK-38150-1RB#0-Range2:1000~30000MHz



Date: 4 DEC 2020 08:51:45

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

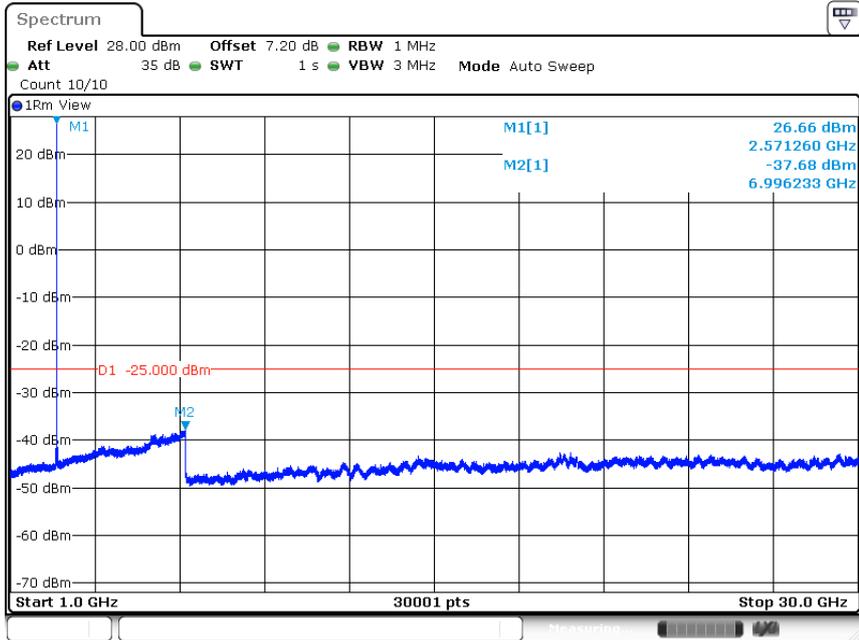


Date: 4 DEC 2020 08:49:12



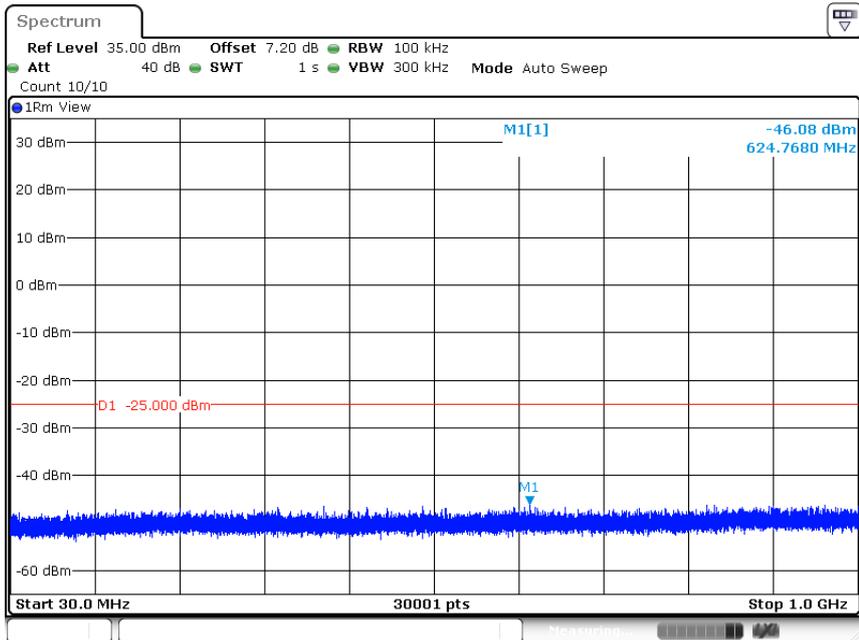
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Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~30000MHz



Date: 4 DEC 2020 08:49:32

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



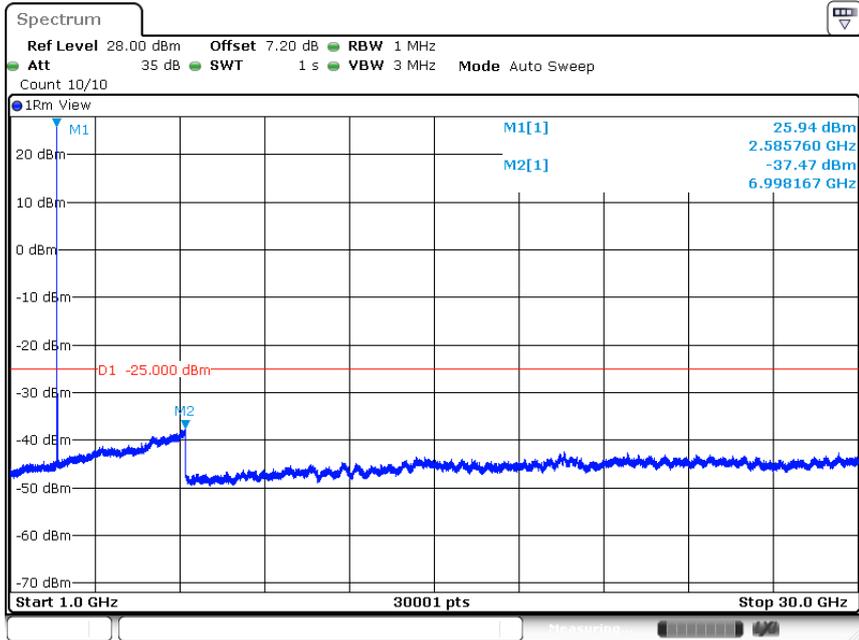
Date: 4 DEC 2020 08:50:41



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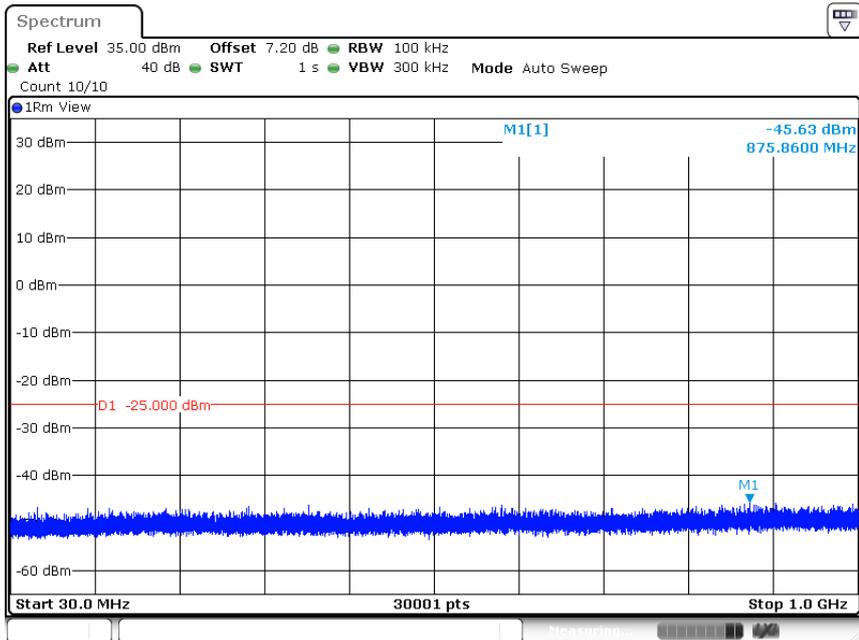
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Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~30000MHz



Date: 4 DEC 2020 08:51:00

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



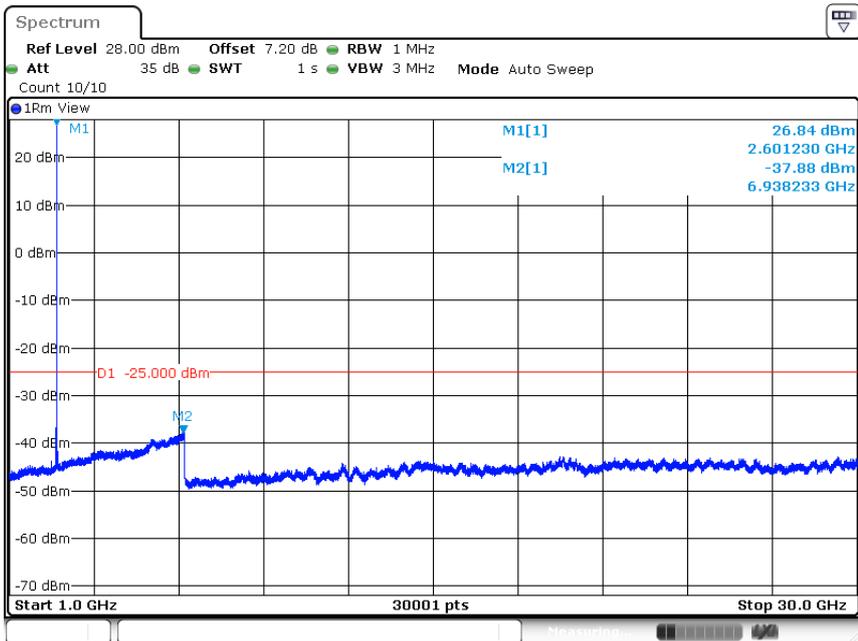
Date: 4 DEC 2020 08:52:09



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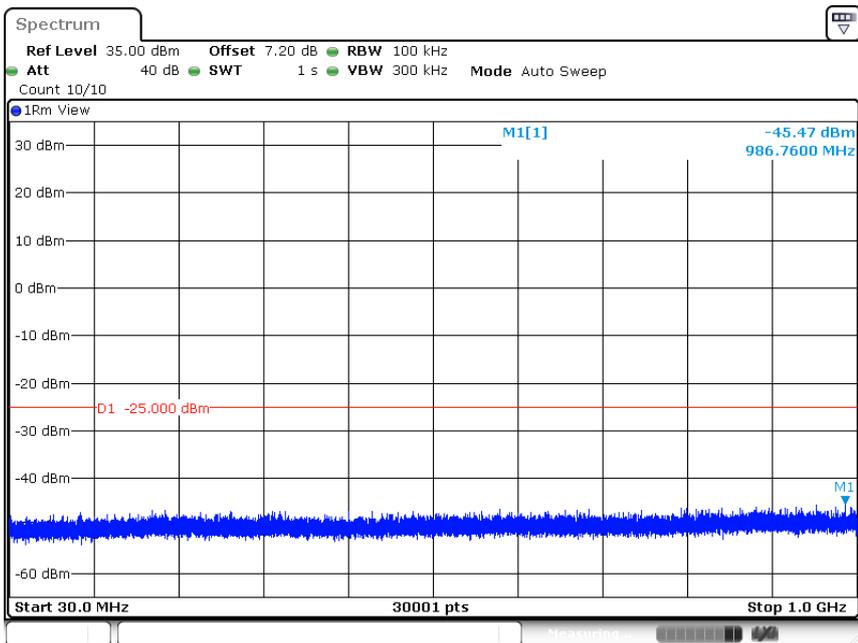
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Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~30000MHz



Date: 4 DEC 2020 08:52:32

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

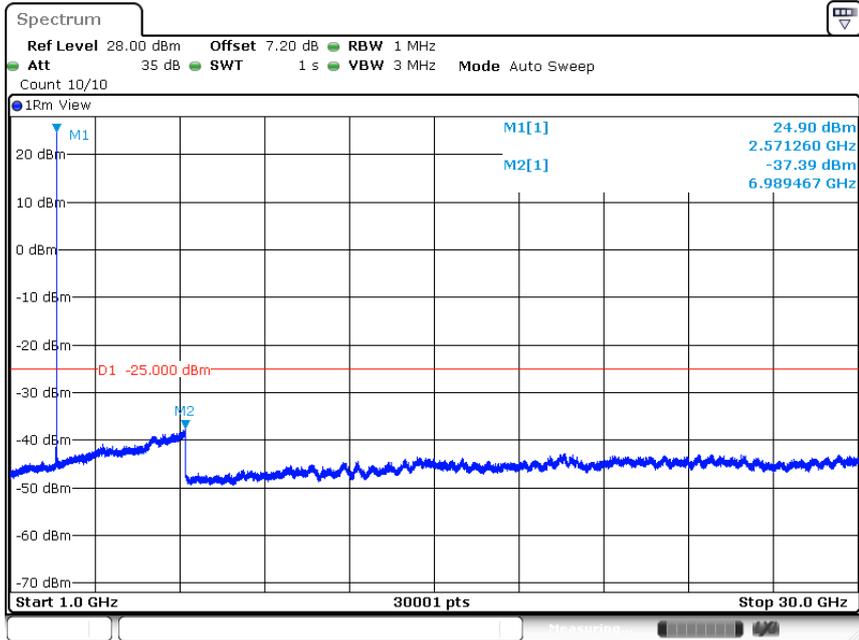


Date: 4 DEC 2020 09:21:10



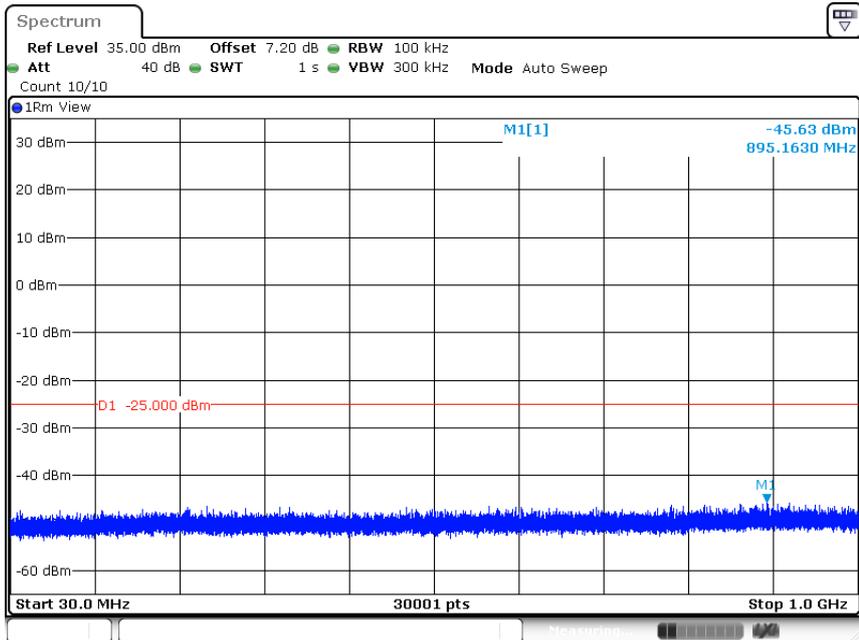
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Band38-20MHz-64QAM-37850-1RB#0-Range2:1000~30000MHz



Date: 4 DEC 2020 09:21:29

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

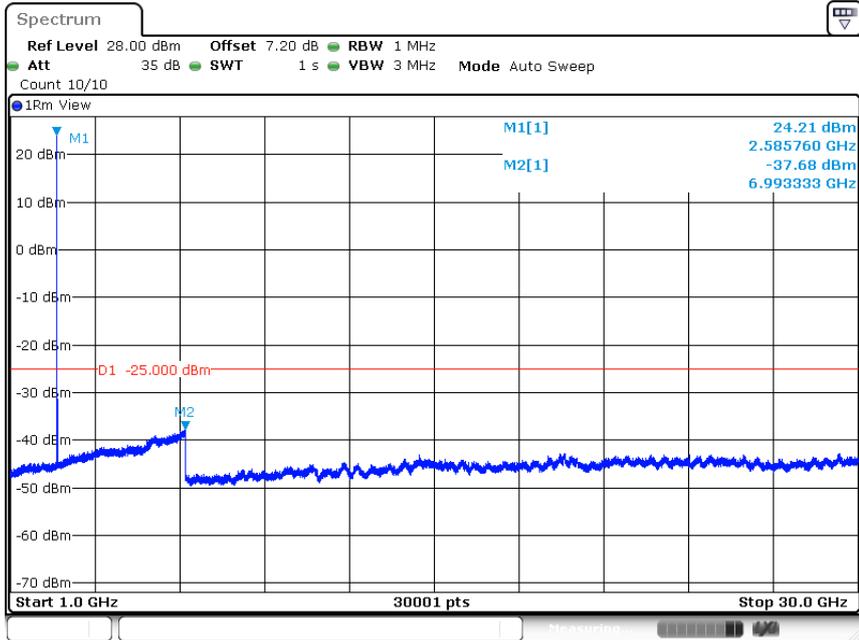


Date: 4 DEC 2020 09:21:54



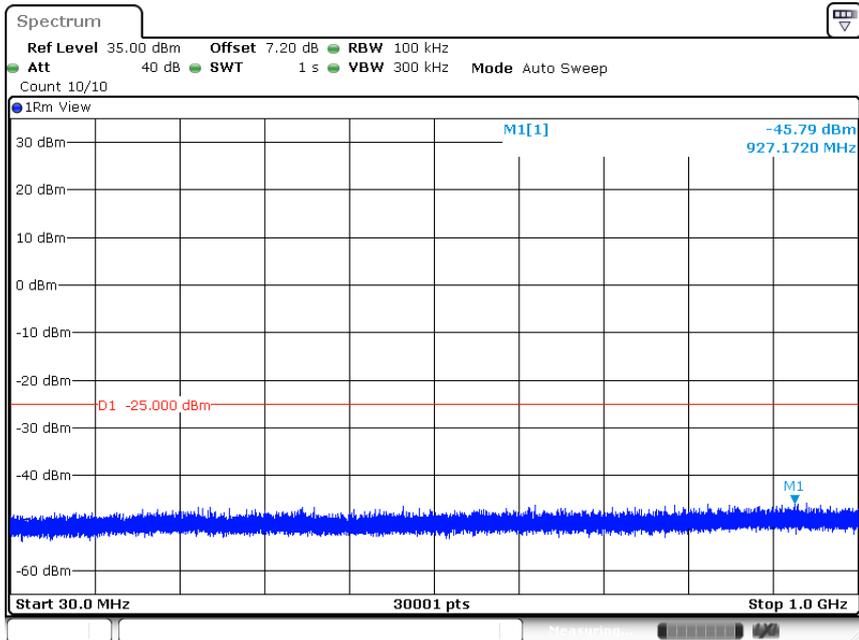
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Band38-20MHz-64QAM-38000-1RB#0-Range2:1000~30000MHz



Date: 4 DEC 2020 09:22:14

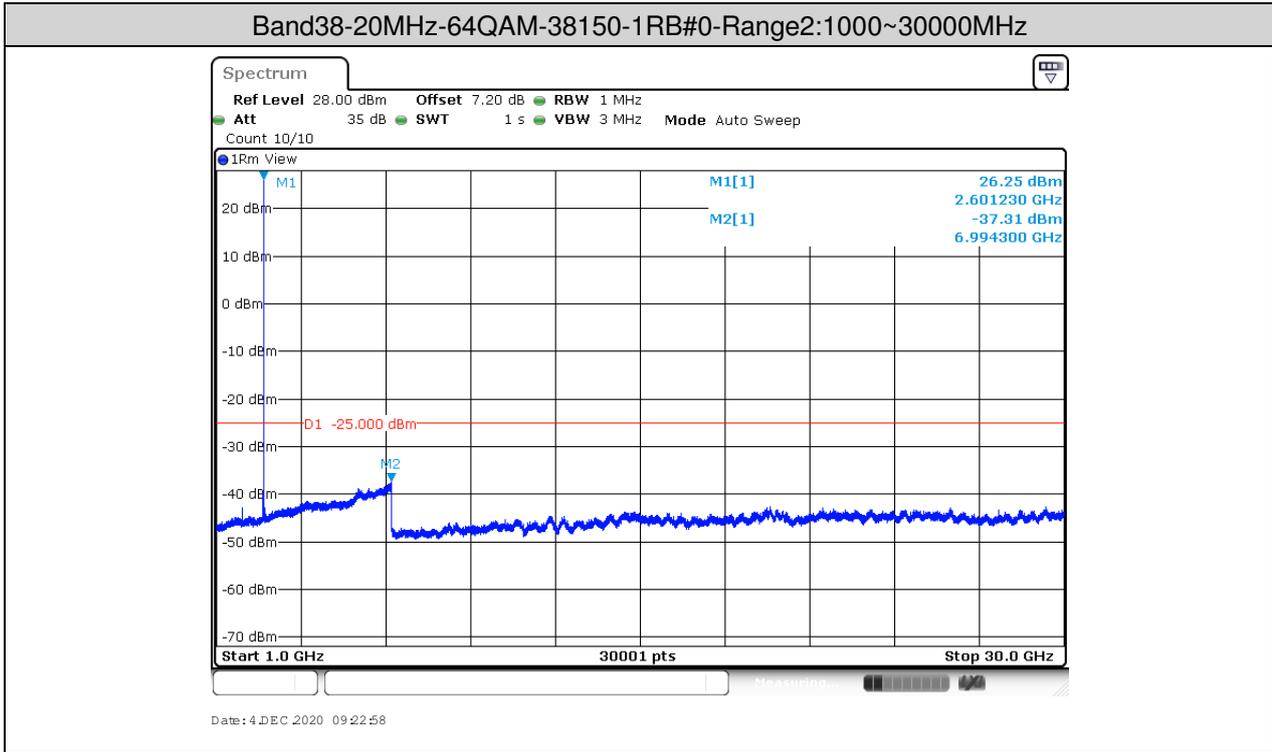
Band38-20MHz-64QAM-38150-1RB#0-Range1:30~1000MHz



Date: 4 DEC 2020 09:22:38



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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_38_TM1 CONFIG 0

7.1.1. Test Channel = Low Channel

| Suspected Data List | | | | | |
|---------------------|-------------|-------------|-------------|-------------|------------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 43.9687 | -62.66 | -25.00 | 37.66 | Horizontal |
| 2 | 229.5875 | -67.41 | -25.00 | 42.41 | Horizontal |
| 3 | 665.5273 | -62.34 | -25.00 | 37.34 | Horizontal |
| 4 | 2722.7445 | -36.60 | -25.00 | 11.60 | Horizontal |
| 5 | 7452.1484 | -55.70 | -25.00 | 30.70 | Horizontal |
| 6 | 17999.000 | -42.98 | -25.00 | 17.98 | Horizontal |



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7.2. Test Band = LTE_38_TM1 CONFIG 0

7.2.1. Test Channel = Low Channel

| Suspected Data List | | | | | |
|---------------------|----------------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 53.6207 | -71.43 | -25.00 | 46.43 | Vertical |
| 2 | 113.0847 | -63.67 | -25.00 | 38.67 | Vertical |
| 3 | 568.9104 | -64.34 | -25.00 | 39.34 | Vertical |
| 4 | 2703.1406 | -36.77 | -25.00 | 11.77 | Vertical |
| 5 | 7358.6453 | -54.99 | -25.00 | 29.99 | Vertical |
| 6 | 17992.999 | -38.56 | -25.00 | 13.56 | Vertical |



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7.3. Test Band = LTE_38_TM1 CONFIG 0

7.3.1. Test Channel = Mid Channel

| Suspected Data List | | | | | |
|---------------------|----------------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 43.7262 | -63.01 | -25.00 | 38.01 | Horizontal |
| 2 | 248.9399 | -67.24 | -25.00 | 42.24 | Horizontal |
| 3 | 759.7675 | -61.03 | -25.00 | 36.03 | Horizontal |
| 4 | 2702.3405 | -35.78 | -25.00 | 10.78 | Horizontal |
| 5 | 7457.1486 | -55.30 | -25.00 | 30.30 | Horizontal |
| 6 | 17997.499 | -43.21 | -25.00 | 18.21 | Horizontal |



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7.4. Test Band = LTE_38_TM1 CONFIG 0

7.4.1. Test Channel = Mid Channel

| Suspected Data List | | | | | |
|---------------------|----------------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 49.0615 | -71.67 | -25.00 | 46.67 | Vertical |
| 2 | 112.3571 | -64.29 | -25.00 | 39.29 | Vertical |
| 3 | 577.8349 | -64.52 | -25.00 | 39.52 | Vertical |
| 4 | 1764.1528 | -41.61 | -25.00 | 16.61 | Vertical |
| 5 | 7451.1484 | -55.34 | -25.00 | 30.34 | Vertical |
| 6 | 17986.999 | -38.60 | -25.00 | 13.60 | Vertical |



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7.5. Test Band = LTE_38_TM1 CONFIG 0

7.5.1. Test Channel = High Channel

| Suspected Data List | | | | | |
|---------------------|----------------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 43.5322 | -63.11 | -25.00 | 38.11 | Horizontal |
| 2 | 231.4791 | -67.77 | -25.00 | 42.77 | Horizontal |
| 3 | 763.8417 | -61.48 | -25.00 | 36.48 | Horizontal |
| 4 | 1763.7528 | -40.93 | -25.00 | 15.93 | Horizontal |
| 5 | 7480.1493 | -55.41 | -25.00 | 30.41 | Horizontal |
| 6 | 16383.946 | -43.35 | -25.00 | 18.35 | Horizontal |



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7.6. Test Band = LTE_38_TM1 CONFIG 0

7.6.1. Test Channel = High Channel

| Suspected Data List | | | | | |
|---------------------|----------------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 48.6734 | -72.21 | -25.00 | 47.21 | Vertical |
| 2 | 110.5140 | -63.92 | -25.00 | 38.92 | Vertical |
| 3 | 585.7408 | -62.09 | -25.00 | 37.09 | Vertical |
| 4 | 2949.5899 | -37.69 | -25.00 | 12.69 | Vertical |
| 5 | 7375.6459 | -55.09 | -25.00 | 30.09 | Vertical |
| 6 | 17999.000 | -38.63 | -25.00 | 13.63 | Vertical |



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7.7. Test Band = LTE_38_TM1 CONFIG 1
7.7.1. Test Channel = Low Channel

| Suspected Data List | | | | | |
|---------------------|-------------|-------------|-------------|-------------|------------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 40.0885 | -63.55 | -25.00 | 38.55 | Horizontal |
| 2 | 228.8599 | -67.44 | -25.00 | 42.44 | Horizontal |
| 3 | 615.0848 | -62.97 | -25.00 | 37.97 | Horizontal |
| 4 | 2696.3393 | -35.79 | -25.00 | 10.79 | Horizontal |
| 5 | 6345.6115 | -59.71 | -25.00 | 34.71 | Horizontal |
| 6 | 16399.946 | -42.95 | -25.00 | 17.95 | Horizontal |



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7.8. Test Band = LTE_38_TM1 CONFIG 1

7.8.1. Test Channel = Low Channel

| Suspected Data List | | | | | |
|---------------------|----------------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 51.3896 | -70.83 | -25.00 | 45.83 | Vertical |
| 2 | 107.3129 | -64.55 | -25.00 | 39.55 | Vertical |
| 3 | 407.1549 | -67.50 | -25.00 | 42.50 | Vertical |
| 4 | 2981.5963 | -37.77 | -25.00 | 12.77 | Vertical |
| 5 | 5098.5700 | -61.12 | -25.00 | 36.12 | Vertical |
| 6 | 17999.500 | -38.69 | -25.00 | 13.69 | Vertical |



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7.9. Test Band = LTE_38_TM1 CONFIG 1

7.9.1. Test Channel = Mid Channel

| Suspected Data List | | | | | |
|---------------------|----------------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 44.3082 | -63.17 | -25.00 | 38.17 | Horizontal |
| 2 | 239.7245 | -66.70 | -25.00 | 41.70 | Horizontal |
| 3 | 731.2481 | -61.78 | -25.00 | 36.78 | Horizontal |
| 4 | 2724.3449 | -36.27 | -25.00 | 11.27 | Horizontal |
| 5 | 6758.1253 | -58.54 | -25.00 | 33.54 | Horizontal |
| 6 | 16399.946 | -42.87 | -25.00 | 17.87 | Horizontal |



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7.10. Test Band = LTE_38_TM1 CONFIG 1

7.10.1. Test Channel = Mid Channel

| Suspected Data List | | | | | |
|---------------------|----------------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 51.2926 | -71.06 | -25.00 | 46.06 | Vertical |
| 2 | 108.5739 | -63.43 | -25.00 | 38.43 | Vertical |
| 3 | 518.1284 | -65.79 | -25.00 | 40.79 | Vertical |
| 4 | 2988.3977 | -37.80 | -25.00 | 12.80 | Vertical |
| 5 | 6381.6127 | -60.29 | -25.00 | 35.29 | Vertical |
| 6 | 17989.499 | -38.65 | -25.00 | 13.65 | Vertical |



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7.11. Test Band = LTE_38_TM1 CONFIG 1

7.11.1. Test Channel = High Channel

| Suspected Data List | | | | | |
|---------------------|----------------|----------------|----------------|----------------|------------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 43.3867 | -62.59 | -25.00 | 37.59 | Horizontal |
| 2 | 236.7658 | -67.22 | -25.00 | 42.22 | Horizontal |
| 3 | 600.2430 | -62.68 | -25.00 | 37.68 | Horizontal |
| 4 | 2700.3401 | -35.72 | -25.00 | 10.72 | Horizontal |
| 5 | 7459.1486 | -55.81 | -25.00 | 30.81 | Horizontal |
| 6 | 16393.446 | -43.32 | -25.00 | 18.32 | Horizontal |



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7.12. Test Band = LTE_38_TM1 CONFIG 1

7.12.1. Test Channel = High Channel

| Suspected Data List | | | | | |
|---------------------|----------------|----------------|----------------|----------------|----------|
| NO. | Freq. [MHz] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 50.4195 | -71.30 | -25.00 | 46.30 | Vertical |
| 2 | 116.6738 | -64.53 | -25.00 | 39.53 | Vertical |
| 3 | 465.2123 | -66.35 | -25.00 | 41.35 | Vertical |
| 4 | 2993.1986 | -37.69 | -25.00 | 12.69 | Vertical |
| 5 | 6013.6005 | -61.00 | -25.00 | 36.00 | Vertical |
| 6 | 17991.499 | -38.17 | -25.00 | 13.17 | 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.



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8. Frequency Stability

8.1. Frequency Vs Voltage

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage | | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| | | | | | Voltage [Vdc] | Temperature (°C) | | | | |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | VL | NT | 5.50 | 0.002132 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | VN | NT | 1.40 | 0.000543 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | VH | NT | 4.80 | 0.001860 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VL | NT | -3.80 | -0.001464 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VN | NT | 3.40 | 0.001310 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VH | NT | -0.10 | -0.000039 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | VL | NT | 2.80 | 0.001073 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | VN | NT | -0.90 | -0.000345 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | VH | NT | 3.45 | 0.001322 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | VL | NT | 5.10 | 0.001977 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | VN | NT | 4.70 | 0.001822 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | VH | NT | -0.90 | -0.000349 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VL | NT | -2.30 | -0.000886 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VN | NT | 3.10 | 0.001195 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VH | NT | -3.50 | -0.001349 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | VL | NT | -1.40 | -0.000536 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | VN | NT | 0.10 | 0.000038 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | VH | NT | 2.80 | 0.001073 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | VL | NT | 2.10 | 0.000814 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | VN | NT | -9.50 | -0.003682 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | VH | NT | 3.30 | 0.001279 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | VL | NT | -3.00 | -0.001156 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | VN | NT | -2.90 | -0.001118 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | VH | NT | 3.20 | 0.001233 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | VL | NT | -0.30 | -0.000115 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | VN | NT | -5.10 | -0.001954 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | VH | NT | 0.70 | 0.000268 | ±2.5 | PASS |



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8.2. Frequency Vs Temperature

| 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 | -4.20 | -0.001628 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | NV | -20 | -4.40 | -0.001705 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | NV | -10 | 2.20 | 0.000853 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | NV | 0 | 2.10 | 0.000814 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | NV | 10 | -0.60 | -0.000233 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | NV | 20 | 1.40 | 0.000543 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | NV | 30 | 3.50 | 0.001357 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | NV | 40 | 0.20 | 0.000078 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | NV | 50 | 13.30 | 0.005155 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | -30 | -5.20 | -0.002004 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | -20 | -0.10 | -0.000039 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | -10 | -0.80 | -0.000308 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 0 | -4.50 | -0.001734 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 10 | 1.40 | 0.000539 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 20 | 1.50 | 0.000578 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 30 | -0.60 | -0.000231 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 40 | 0.60 | 0.000231 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 50 | -4.10 | -0.001580 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | NV | -30 | -0.46 | -0.000176 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | NV | -20 | -0.40 | -0.000153 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | NV | -10 | 2.49 | 0.000950 | ±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 | 1.10 | 0.000421 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | NV | 20 | 2.00 | 0.000766 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | NV | 30 | -1.90 | -0.000728 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | NV | 40 | -0.60 | -0.000230 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | NV | 50 | 0.60 | 0.000230 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -30 | 1.00 | 0.000388 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -20 | 1.10 | 0.000426 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | -10 | -3.60 | -0.001395 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 0 | 2.80 | 0.001085 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 10 | 9.90 | 0.003837 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 20 | -4.90 | -0.001899 | ±2.5 | PASS |



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| | | | | | | | | | | |
|--------|-------|-------|-------|---------|----|-----|---------|-----------|------|------|
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 30 | 1.50 | 0.000581 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 40 | -0.70 | -0.000271 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | NV | 50 | -3.20 | -0.001240 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -30 | -1.40 | -0.000539 | ±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 | -10 | -4.00 | -0.001541 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 0 | -6.80 | -0.002620 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 10 | 0.80 | 0.000308 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 20 | -4.20 | -0.001618 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 30 | 3.40 | 0.001310 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 40 | -0.10 | -0.000039 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 50 | -0.60 | -0.000231 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -30 | -7.70 | -0.002950 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -20 | -0.40 | -0.000153 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | -10 | -0.20 | -0.000077 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 0 | 3.70 | 0.001418 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 10 | -159.10 | -0.060958 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 20 | 4.40 | 0.001686 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 30 | -0.70 | -0.000268 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 40 | -0.20 | -0.000077 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | NV | 50 | -3.20 | -0.001226 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | -30 | 3.70 | 0.001434 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | -20 | 2.30 | 0.000891 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | -10 | -4.80 | -0.001860 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 0 | 9.20 | 0.003566 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 10 | -3.30 | -0.001279 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 20 | -1.00 | -0.000388 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 30 | -7.10 | -0.002752 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 40 | -2.10 | -0.000814 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | NV | 50 | -5.60 | -0.002171 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -30 | 2.40 | 0.000925 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -20 | -0.60 | -0.000231 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -10 | 4.00 | 0.001541 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 0 | -3.00 | -0.001156 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 10 | -2.20 | -0.000848 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 20 | -2.80 | -0.001079 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 30 | -2.90 | -0.001118 | ±2.5 | PASS |



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| | | | | | | | | | | |
|--------|-------|-------|-------|---------|----|-----|-------|-----------|------|------|
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 40 | -3.20 | -0.001233 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 50 | -5.20 | -0.002004 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | -30 | -5.10 | -0.001954 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | -20 | -3.30 | -0.001264 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | -10 | -6.80 | -0.002605 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 0 | 0.80 | 0.000307 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 10 | 2.80 | 0.001073 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 20 | -0.80 | -0.000307 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 30 | 4.40 | 0.001686 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 40 | -4.10 | -0.001571 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | NV | 50 | -2.70 | -0.001034 | ±2.5 | PASS |

The End



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