

Report No.: SEWM2304000122RG01

Rev.: 01

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Appendix B.14

LTE Band 38



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Effective (Isotropic) Radiated Power Output Data

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | EIRP(dBm) | Limit(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|--------------|-----------|------------|---------|
| Band38 | 5MHz | QPSK | 37775 | 1RB#0 | 25.72 | 25.49 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#0 | 24.8 | 24.57 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 1RB#0 | 24.04 | 23.81 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 37775 | 1RB#0 | 20.88 | 20.65 | 33 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 1RB#12 | 25.81 | 25.58 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#12 | 24.83 | 24.6 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 1RB#12 | 24.15 | 23.92 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 37775 | 1RB#12 | 21.06 | 20.83 | 33 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 1RB#24 | 25.75 | 25.52 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 1RB#24 | 24.94 | 24.71 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 1RB#24 | 24.09 | 23.86 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 37775 | 1RB#24 | 20.97 | 20.74 | 33 | PASS |
| Band38 | 5MHz | QPSK | 37775 | 25RB#0 | 24.83 | 24.6 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 25RB#0 | 23.86 | 23.63 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 25RB#0 | 22.83 | 22.6 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 37775 | 25RB#0 | 20.83 | 20.6 | 33 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 1RB#0 | 26.01 | 25.78 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#0 | 25.15 | 24.92 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#0 | 24.48 | 24.25 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 38000 | 1RB#0 | 21.14 | 20.91 | 33 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 1RB#12 | 26.07 | 25.84 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#12 | 25.24 | 25.01 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#12 | 24.55 | 24.32 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 38000 | 1RB#12 | 21.28 | 21.05 | 33 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 1RB#24 | 25.97 | 25.74 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 1RB#24 | 25.15 | 24.92 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 1RB#24 | 24.53 | 24.3 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 38000 | 1RB#24 | 21.23 | 21 | 33 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | 25.03 | 24.8 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | 24.06 | 23.83 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | 23.06 | 22.83 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 38000 | 25RB#0 | 21.09 | 20.86 | 33 | PASS |



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|--------|-------|--------|-------|--------|-------|-------|----|------|
| Band38 | 5MHz | QPSK | 38225 | 1RB#0 | 25.63 | 25.4 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#0 | 24.77 | 24.54 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#0 | 24.01 | 23.78 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 38225 | 1RB#0 | 20.68 | 20.45 | 33 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 1RB#12 | 25.56 | 25.33 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#12 | 24.63 | 24.4 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#12 | 24.02 | 23.79 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 38225 | 1RB#12 | 20.76 | 20.53 | 33 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 1RB#24 | 25.47 | 25.24 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 1RB#24 | 24.6 | 24.37 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 1RB#24 | 23.88 | 23.65 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 38225 | 1RB#24 | 20.69 | 20.46 | 33 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 25RB#0 | 24.63 | 24.4 | 33 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 25RB#0 | 23.67 | 23.44 | 33 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 25RB#0 | 22.68 | 22.45 | 33 | PASS |
| Band38 | 5MHz | 256QAM | 38225 | 25RB#0 | 20.66 | 20.43 | 33 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 1RB#0 | 25.7 | 25.47 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#0 | 24.78 | 24.55 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#0 | 24.17 | 23.94 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#0 | 20.9 | 20.67 | 33 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 1RB#24 | 25.81 | 25.58 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#24 | 24.86 | 24.63 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#24 | 24.25 | 24.02 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#24 | 20.99 | 20.76 | 33 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 1RB#49 | 25.83 | 25.6 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 1RB#49 | 25.03 | 24.8 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 1RB#49 | 24.23 | 24 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 1RB#49 | 21.02 | 20.79 | 33 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 50RB#0 | 24.9 | 24.67 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | 23.9 | 23.67 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 50RB#0 | 22.93 | 22.7 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 50RB#0 | 20.93 | 20.7 | 33 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 1RB#0 | 26.05 | 25.82 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#0 | 25.18 | 24.95 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#0 | 24.38 | 24.15 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#0 | 21.16 | 20.93 | 33 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 1RB#24 | 26.07 | 25.84 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#24 | 25.19 | 24.96 | 33 | PASS |



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|--------|-------|--------|-------|--------|-------|-------|----|------|
| Band38 | 10MHz | 64QAM | 38000 | 1RB#24 | 24.55 | 24.32 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#24 | 21.35 | 21.12 | 33 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 1RB#49 | 26.01 | 25.78 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 1RB#49 | 25.19 | 24.96 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 1RB#49 | 24.29 | 24.06 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 1RB#49 | 20.92 | 20.69 | 33 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | 25.12 | 24.89 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | 24.11 | 23.88 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | 23.09 | 22.86 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 50RB#0 | 21.1 | 20.87 | 33 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 1RB#0 | 25.73 | 25.5 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#0 | 24.87 | 24.64 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#0 | 24.11 | 23.88 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#0 | 20.88 | 20.65 | 33 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 1RB#24 | 25.61 | 25.38 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#24 | 24.75 | 24.52 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#24 | 24.05 | 23.82 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#24 | 20.8 | 20.57 | 33 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 1RB#49 | 25.45 | 25.22 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 1RB#49 | 24.65 | 24.42 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 1RB#49 | 23.84 | 23.61 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 1RB#49 | 20.72 | 20.49 | 33 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 50RB#0 | 24.66 | 24.43 | 33 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | 23.63 | 23.4 | 33 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 50RB#0 | 22.69 | 22.46 | 33 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 50RB#0 | 20.67 | 20.44 | 33 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 1RB#0 | 25.6 | 25.37 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#0 | 24.71 | 24.48 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#0 | 23.92 | 23.69 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#0 | 20.88 | 20.65 | 33 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 1RB#38 | 25.69 | 25.46 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#38 | 24.79 | 24.56 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#38 | 24.15 | 23.92 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#38 | 20.96 | 20.73 | 33 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 1RB#74 | 25.84 | 25.61 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 1RB#74 | 24.85 | 24.62 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 1RB#74 | 24.03 | 23.8 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 1RB#74 | 22.06 | 21.83 | 33 | PASS |



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|--------|-------|--------|-------|--------|-------|-------|----|------|
| Band38 | 15MHz | QPSK | 37825 | 75RB#0 | 24.89 | 24.66 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | 23.84 | 23.61 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 37825 | 75RB#0 | 22.86 | 22.63 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 37825 | 75RB#0 | 20.84 | 20.61 | 33 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 1RB#0 | 25.96 | 25.73 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#0 | 24.97 | 24.74 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#0 | 24.31 | 24.08 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#0 | 21.01 | 20.78 | 33 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 1RB#38 | 26 | 25.77 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#38 | 25.04 | 24.81 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#38 | 24.26 | 24.03 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#38 | 20.93 | 20.7 | 33 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 1RB#74 | 25.72 | 25.49 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 1RB#74 | 24.97 | 24.74 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 1RB#74 | 24.11 | 23.88 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 1RB#74 | 21.12 | 20.89 | 33 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | 24.96 | 24.73 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | 23.98 | 23.75 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | 22.98 | 22.75 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38000 | 75RB#0 | 20.99 | 20.76 | 33 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 1RB#0 | 25.71 | 25.48 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#0 | 24.84 | 24.61 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#0 | 24.01 | 23.78 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#0 | 20.92 | 20.69 | 33 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 1RB#38 | 25.55 | 25.32 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#38 | 24.63 | 24.4 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#38 | 23.93 | 23.7 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#38 | 20.82 | 20.59 | 33 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 1RB#74 | 25.24 | 25.01 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 1RB#74 | 24.37 | 24.14 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 1RB#74 | 23.64 | 23.41 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 1RB#74 | 20.67 | 20.44 | 33 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 75RB#0 | 24.68 | 24.45 | 33 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0 | 23.7 | 23.47 | 33 | PASS |
| Band38 | 15MHz | 64QAM | 38175 | 75RB#0 | 22.71 | 22.48 | 33 | PASS |
| Band38 | 15MHz | 256QAM | 38175 | 75RB#0 | 20.73 | 20.5 | 33 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#0 | 25.6 | 25.37 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | 24.72 | 24.49 | 33 | PASS |



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|--------|-------|--------|-------|---------|-------|-------|----|------|
| Band38 | 20MHz | 64QAM | 37850 | 1RB#0 | 23.9 | 23.67 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#0 | 20.77 | 20.54 | 33 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#49 | 25.85 | 25.62 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#49 | 24.72 | 24.49 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#49 | 24.15 | 23.92 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#49 | 20.93 | 20.7 | 33 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#99 | 25.84 | 25.61 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#99 | 24.86 | 24.63 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#99 | 24.19 | 23.96 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#99 | 21.14 | 20.91 | 33 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | 24.91 | 24.68 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 23.93 | 23.7 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | 22.9 | 22.67 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 100RB#0 | 20.9 | 20.67 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#0 | 25.99 | 25.76 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0 | 24.94 | 24.71 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#0 | 24.12 | 23.89 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#0 | 21.15 | 20.92 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#49 | 26.05 | 25.82 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#49 | 25.07 | 24.84 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#49 | 24.24 | 24.01 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#49 | 21.11 | 20.88 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#99 | 25.68 | 25.45 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#99 | 24.78 | 24.55 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#99 | 24.07 | 23.84 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#99 | 20.92 | 20.69 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | 24.95 | 24.72 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 23.97 | 23.74 | 33 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#0 | 25.61 | 25.38 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#0 | 24.72 | 24.49 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#0 | 24.01 | 23.78 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#0 | 20.83 | 20.6 | 33 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#49 | 25.75 | 25.52 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#49 | 24.89 | 24.66 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 1RB#49 | 24.02 | 23.79 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#49 | 20.91 | 20.68 | 33 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 1RB#99 | 25.9 | 25.67 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 1RB#99 | 25.01 | 24.78 | 33 | PASS |



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| | | | | | | | | |
|--------|-------|--------|-------|---------|-------|-------|----|------|
| Band38 | 20MHz | 64QAM | 37850 | 1RB#99 | 24.2 | 23.97 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 1RB#99 | 21.04 | 20.81 | 33 | PASS |
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | 24.9 | 24.67 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 23.92 | 23.69 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | 22.93 | 22.7 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 100RB#0 | 20.92 | 20.69 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#0 | 26.01 | 25.78 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#0 | 25.04 | 24.81 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#0 | 24.18 | 23.95 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#0 | 21.11 | 20.88 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#49 | 25.95 | 25.72 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#49 | 25.06 | 24.83 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#49 | 24.2 | 23.97 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#49 | 21.02 | 20.79 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 1RB#99 | 25.82 | 25.59 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 1RB#99 | 24.72 | 24.49 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 1RB#99 | 24.07 | 23.84 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 1RB#99 | 20.99 | 20.76 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | 24.96 | 24.73 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 23.99 | 23.76 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 23 | 22.77 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 100RB#0 | 21 | 20.77 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#0 | 26.02 | 25.79 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#0 | 25.05 | 24.82 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#0 | 24.26 | 24.03 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#0 | 21.08 | 20.85 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#49 | 25.64 | 25.41 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#49 | 24.92 | 24.69 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#49 | 23.94 | 23.71 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#49 | 20.86 | 20.63 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 1RB#99 | 25.29 | 25.06 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 1RB#99 | 24.4 | 24.17 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 1RB#99 | 23.63 | 23.4 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 1RB#99 | 20.65 | 20.42 | 33 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | 24.69 | 24.46 | 33 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 23.73 | 23.5 | 33 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 22.73 | 22.5 | 33 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 100RB#0 | 20.75 | 20.52 | 33 | PASS |



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Peak-to-Average Ratio(CCDF)

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band38 | 20MHz | QPSK | 37850 | 100RB#0 | 8.56 | 13 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | 8.88 | 13 | PASS |
| Band38 | 20MHz | QPSK | 38150 | 100RB#0 | 8.64 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 37850 | 100RB#0 | 9.36 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | 9.60 | 13 | PASS |
| Band38 | 20MHz | 16QAM | 38150 | 100RB#0 | 9.44 | 13 | PASS |
| Band38 | 20MHz | 64QAM | 37850 | 100RB#0 | 9.58 | 13 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | 10.02 | 13 | PASS |
| Band38 | 20MHz | 64QAM | 38150 | 100RB#0 | 9.84 | 13 | PASS |
| Band38 | 20MHz | 256QAM | 37850 | 100RB#0 | 10.20 | 13 | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 100RB#0 | 10.04 | 13 | PASS |
| Band38 | 20MHz | 256QAM | 38150 | 100RB#0 | 9.86 | 13 | PASS |



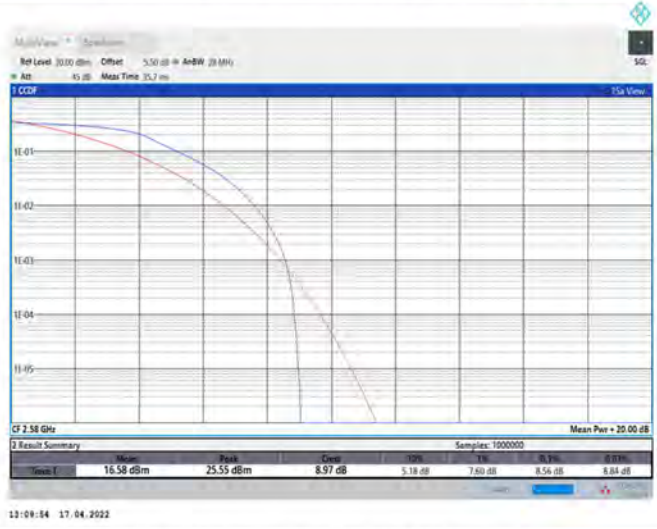
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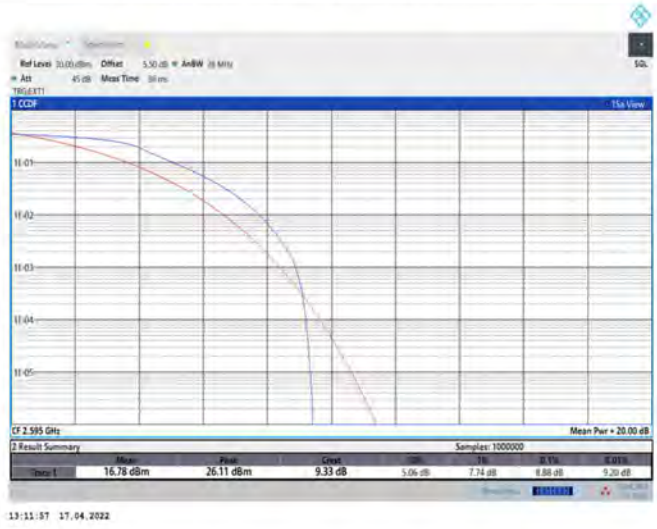
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Test Graphs

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



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

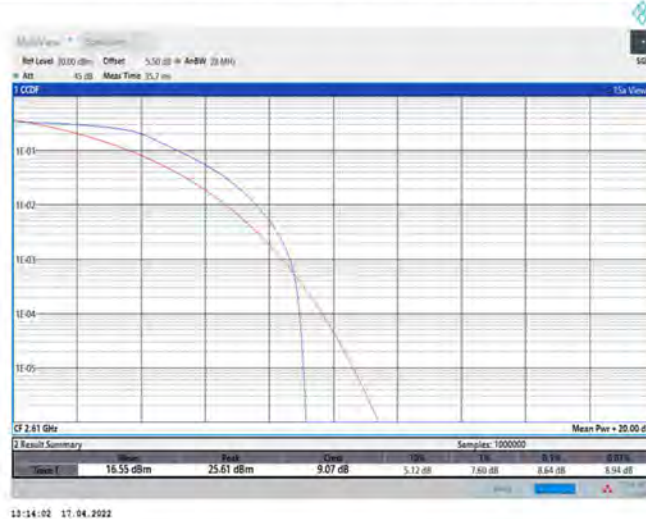


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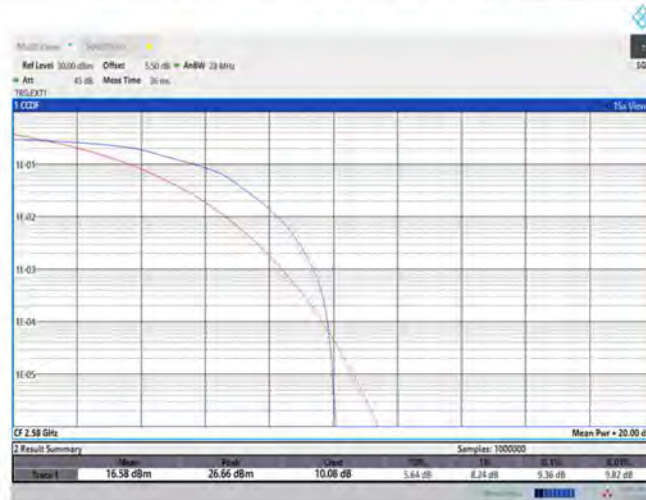
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Band38-20MHz-QPSK-38150-100RB#0



13:14:02 17.04.2022

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



13:18:32 17.04.2022



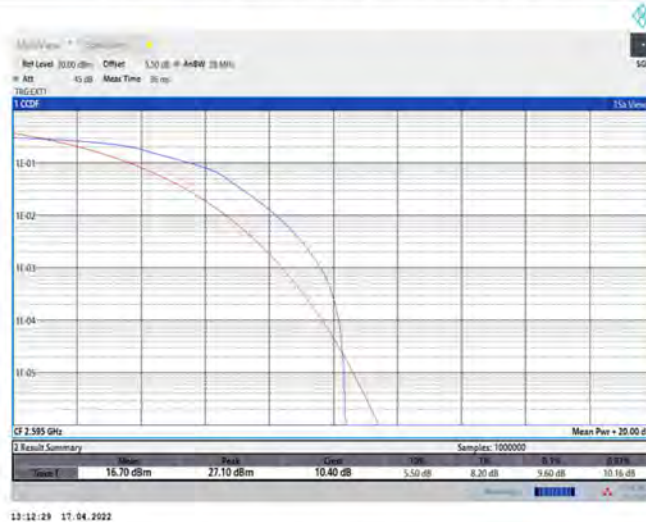
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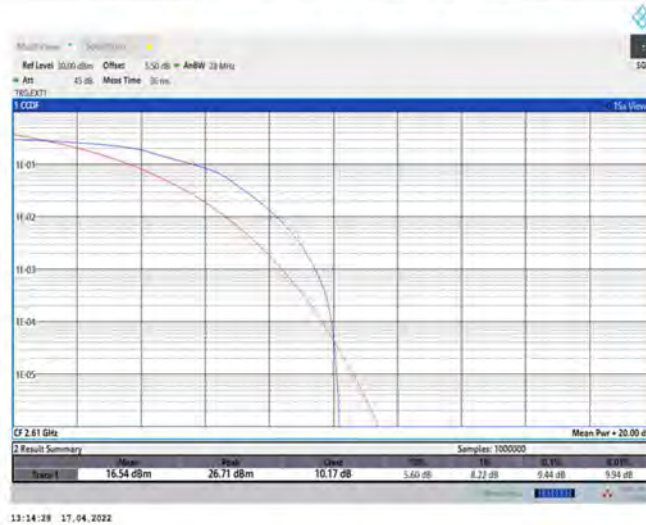
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Band38-20MHz-16QAM-38000-100RB#0



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

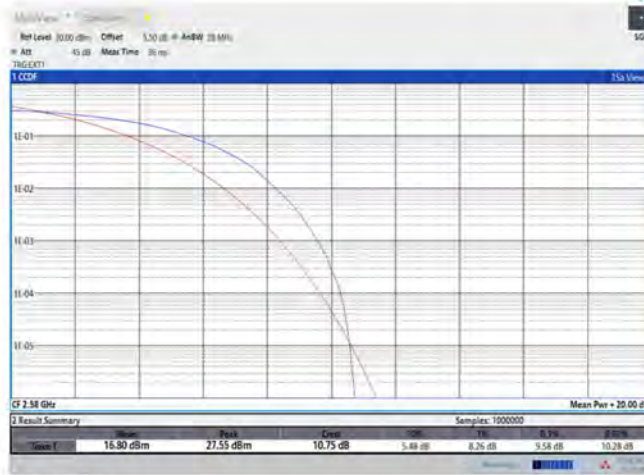


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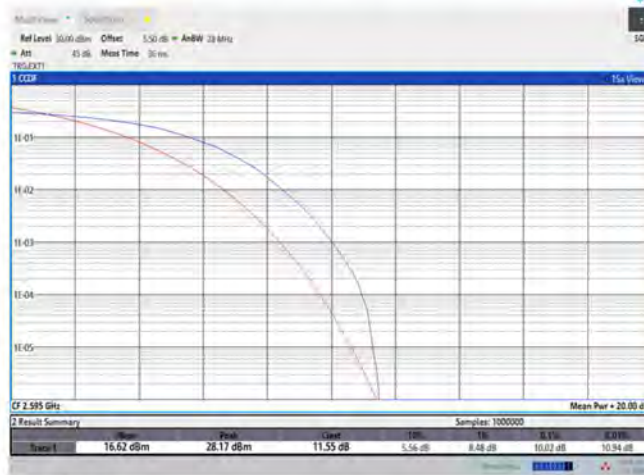
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Band38-20MHz-64QAM-37850-100RB#0



13-11-00 17-04-2022

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



13-13-01 17-04-2022

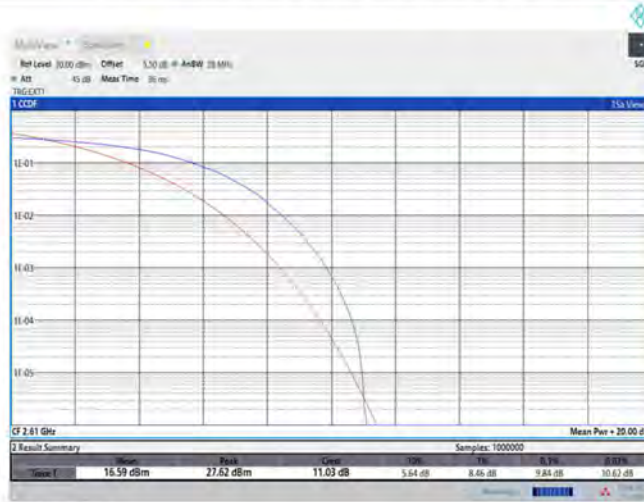


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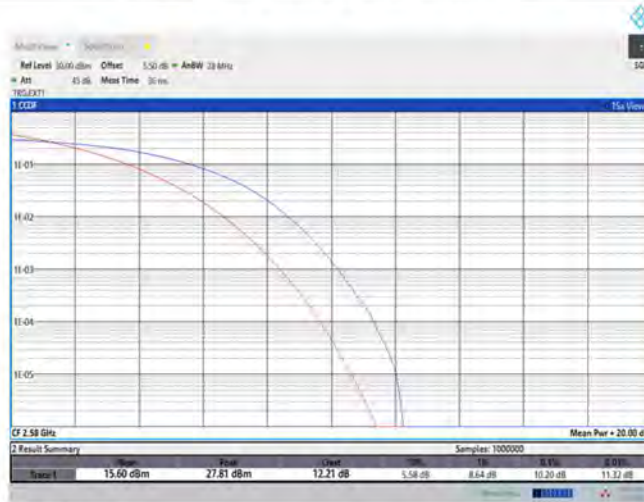
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Band38-20MHz-64QAM-38150-100RB#0



13:14:55 17.04.2022

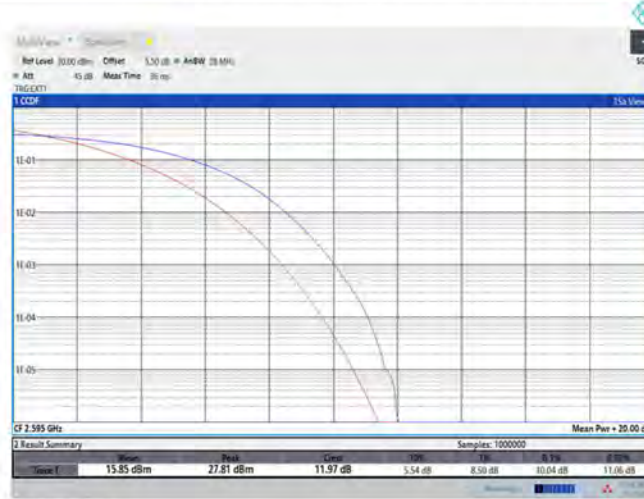
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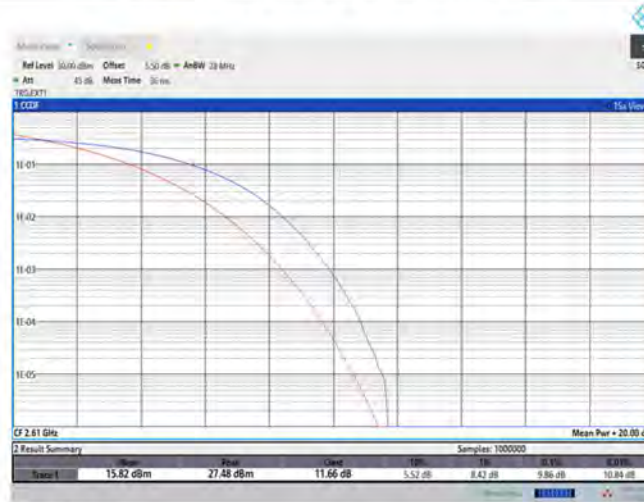


Band38-20MHz-256QAM-38000-100RB#0



13:13:29 17.04.2022

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



13:15:23 17.04.2022



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Modulation Characteristics

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result | Verdict |
|--------|-----------|------------|---------|------------------|--------|---------|
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | PASS | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | PASS | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | PASS | PASS |
| Band38 | 20MHz | 256QAM | 38000 | 100RB#0 | PASS | PASS |



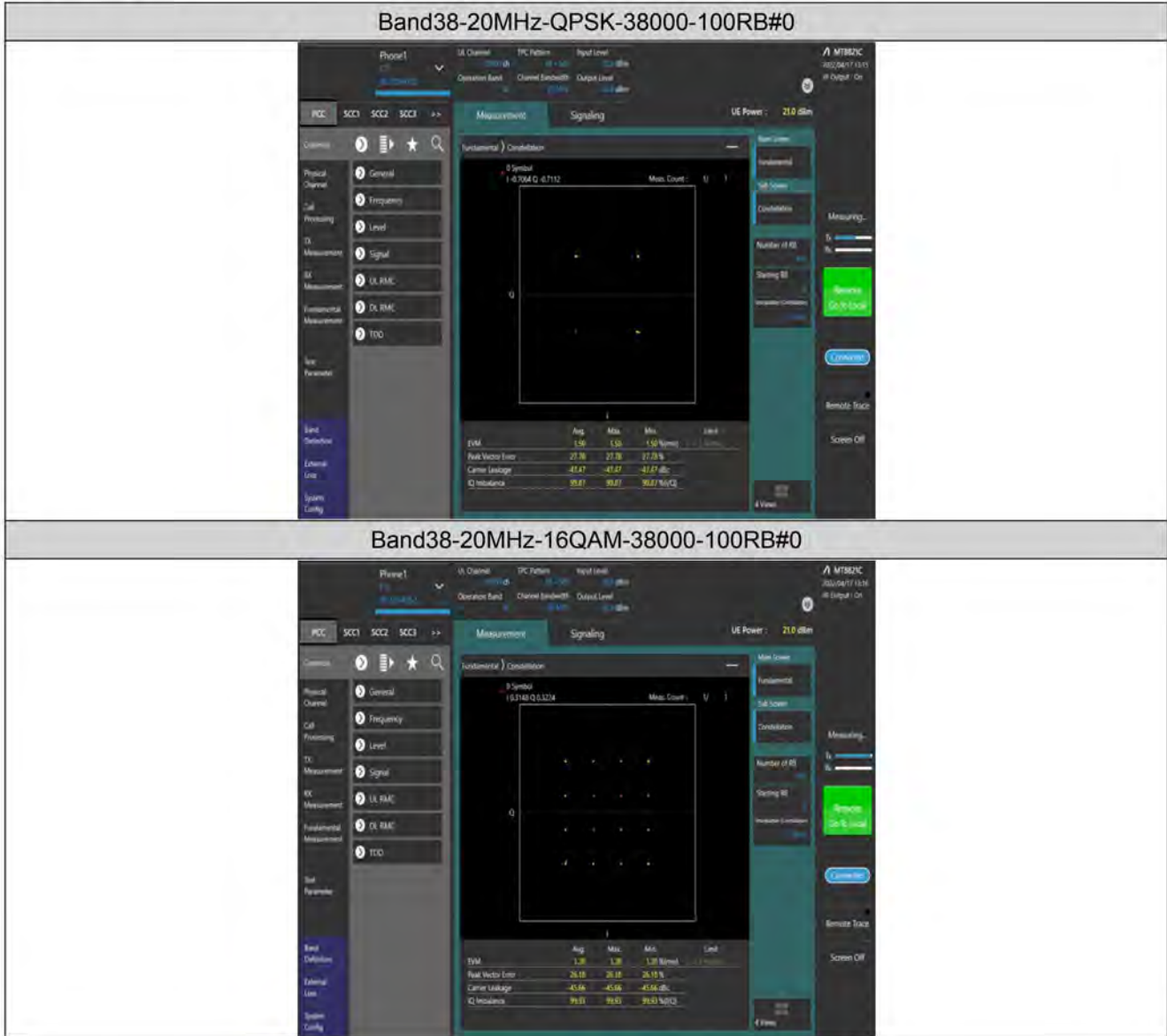
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Test Graphs

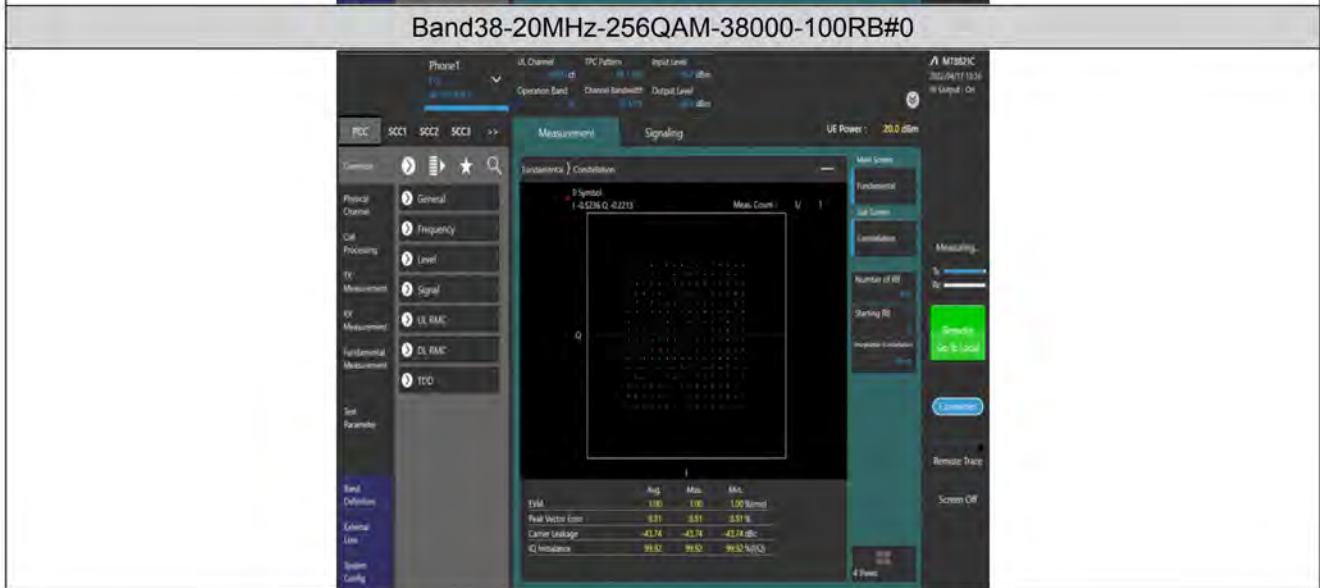
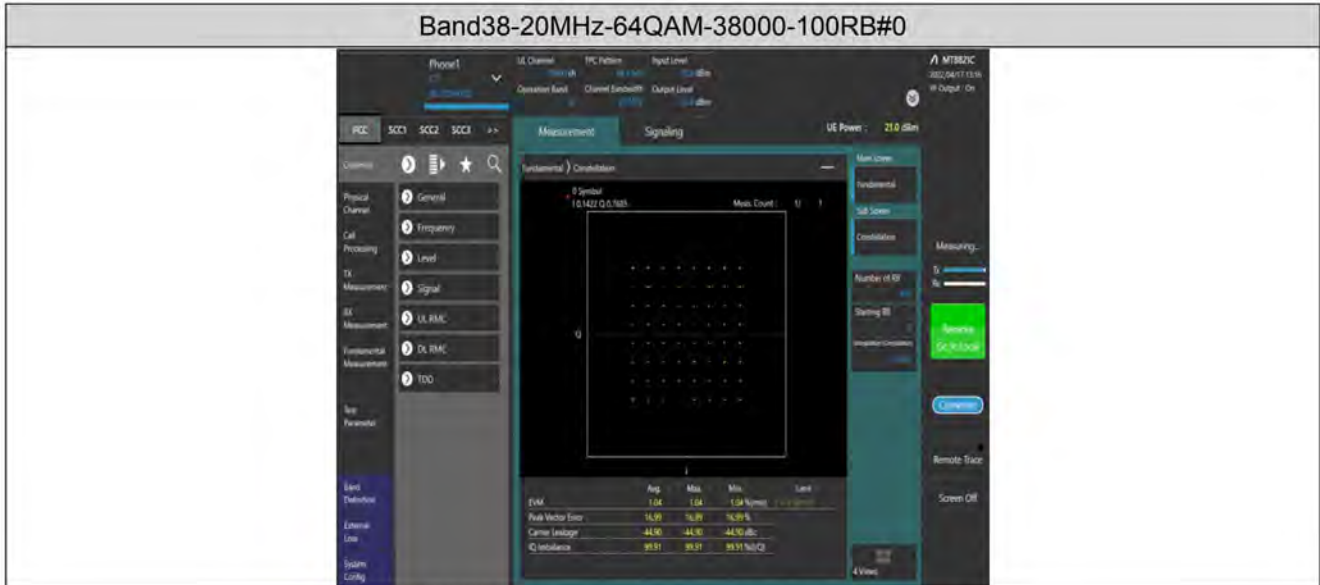


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26dB Bandwidth and Occupied Bandwidth

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band38 | 5MHz | QPSK | 37775 | 25RB#0 | 4.472 | 5.07 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | 4.478 | 5.01 | PASS |
| Band38 | 5MHz | QPSK | 38225 | 25RB#0 | 4.478 | 5.11 | PASS |
| Band38 | 5MHz | 16QAM | 37775 | 25RB#0 | 4.480 | 5.09 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | 4.479 | 5.21 | PASS |
| Band38 | 5MHz | 16QAM | 38225 | 25RB#0 | 4.480 | 5.10 | PASS |
| Band38 | 5MHz | 64QAM | 37775 | 25RB#0 | 4.483 | 4.99 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | 4.476 | 5.16 | PASS |
| Band38 | 5MHz | 64QAM | 38225 | 25RB#0 | 4.480 | 5.16 | PASS |
| Band38 | 5MHz | 256QAM | 37775 | 25RB#0 | 4.482 | 5.13 | PASS |
| Band38 | 5MHz | 256QAM | 38000 | 25RB#0 | 4.481 | 5.03 | PASS |
| Band38 | 5MHz | 256QAM | 38225 | 25RB#0 | 4.471 | 5.00 | PASS |
| Band38 | 10MHz | QPSK | 37800 | 50RB#0 | 8.938 | 10.12 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | 8.931 | 9.88 | PASS |
| Band38 | 10MHz | QPSK | 38200 | 50RB#0 | 8.955 | 9.86 | PASS |
| Band38 | 10MHz | 16QAM | 37800 | 50RB#0 | 8.947 | 10.12 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | 8.936 | 9.98 | PASS |
| Band38 | 10MHz | 16QAM | 38200 | 50RB#0 | 8.943 | 10.22 | PASS |
| Band38 | 10MHz | 64QAM | 37800 | 50RB#0 | 8.932 | 10.16 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | 8.942 | 10.16 | PASS |
| Band38 | 10MHz | 64QAM | 38200 | 50RB#0 | 8.940 | 10.24 | PASS |
| Band38 | 10MHz | 256QAM | 37800 | 50RB#0 | 8.948 | 10.08 | PASS |
| Band38 | 10MHz | 256QAM | 38000 | 50RB#0 | 8.961 | 9.96 | PASS |
| Band38 | 10MHz | 256QAM | 38200 | 50RB#0 | 8.931 | 9.96 | PASS |
| Band38 | 15MHz | QPSK | 37825 | 75RB#0 | 13.479 | 16.68 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | 13.489 | 16.44 | PASS |
| Band38 | 15MHz | QPSK | 38175 | 75RB#0 | 13.494 | 16.35 | PASS |
| Band38 | 15MHz | 16QAM | 37825 | 75RB#0 | 13.480 | 15.36 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | 13.474 | 15.93 | PASS |
| Band38 | 15MHz | 16QAM | 38175 | 75RB#0 | 13.498 | 16.44 | PASS |



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Rev.: 01

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



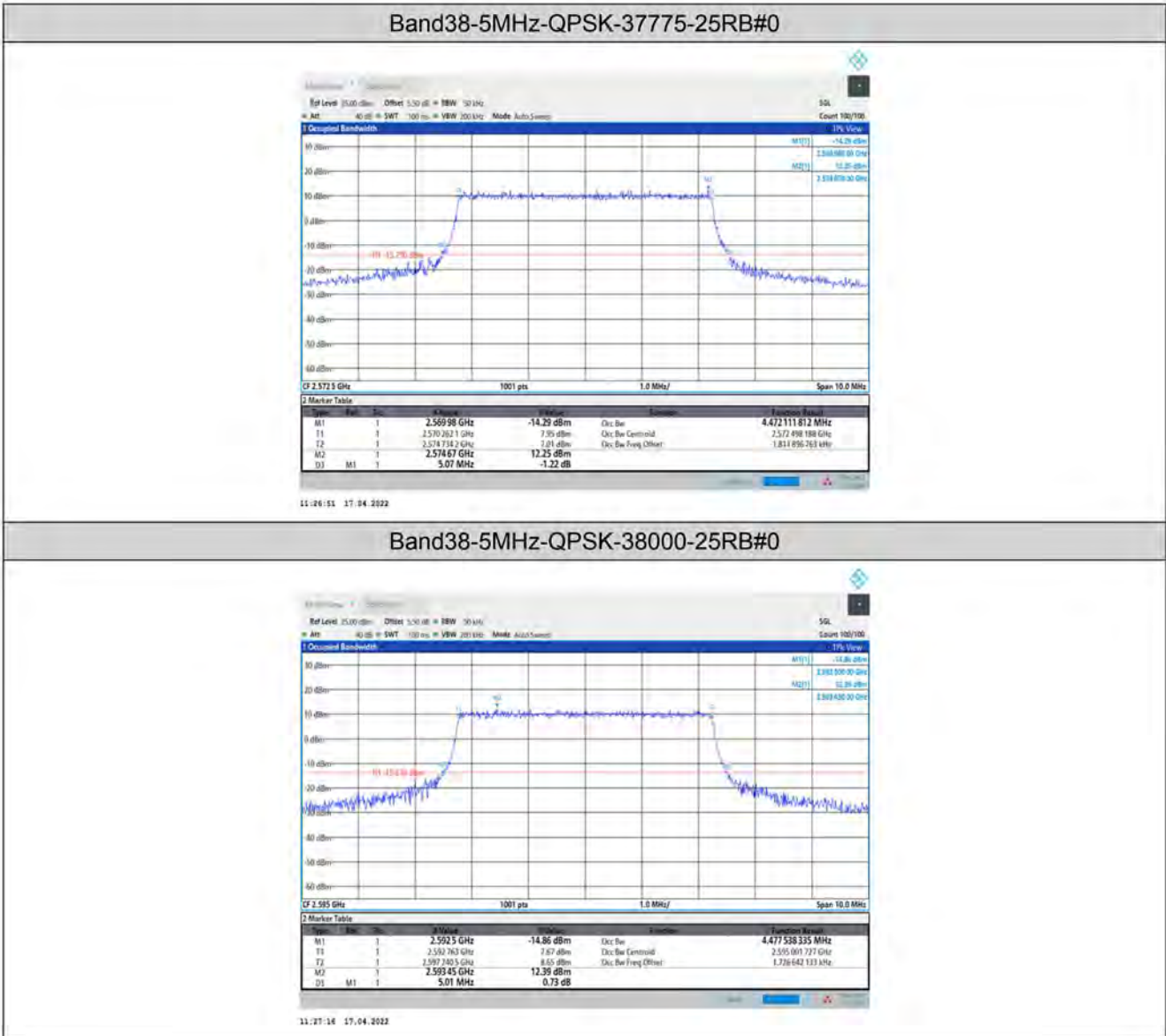
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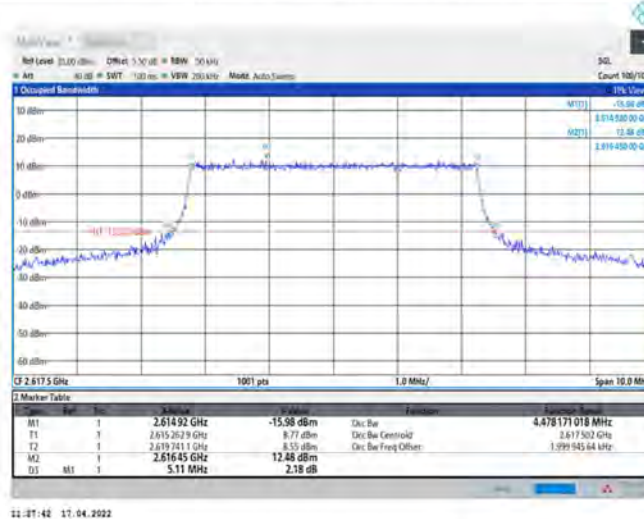
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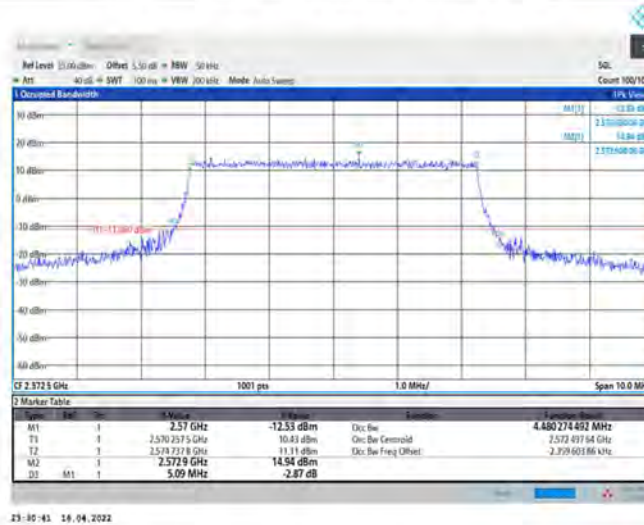
Test Graphs



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



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



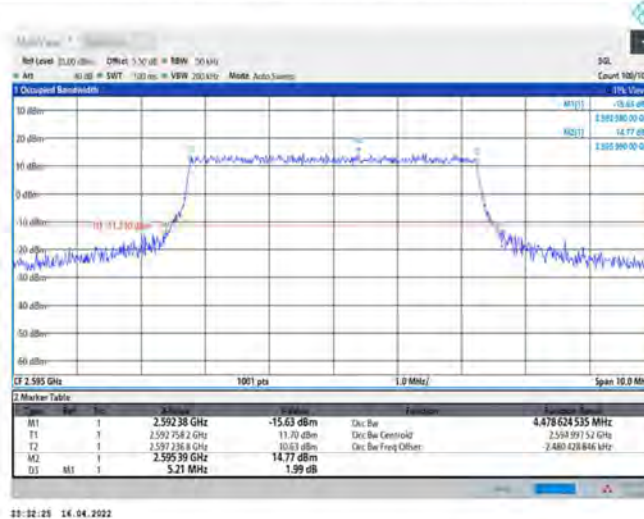
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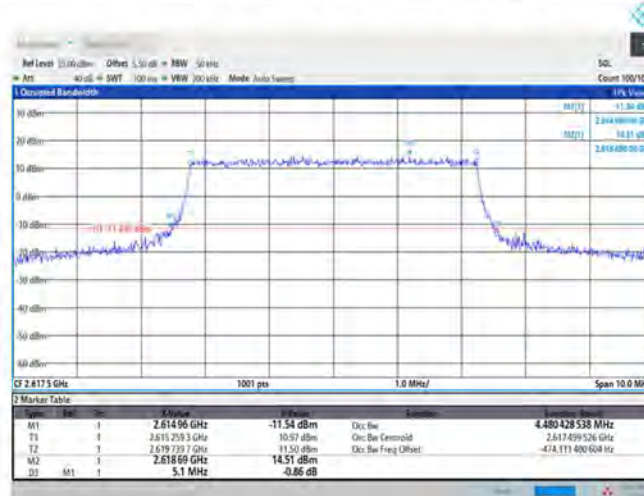
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Band38-5MHz-16QAM-38000-25RB#0



23-22-25 14.04.2022

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



23-24-30 14.04.2022



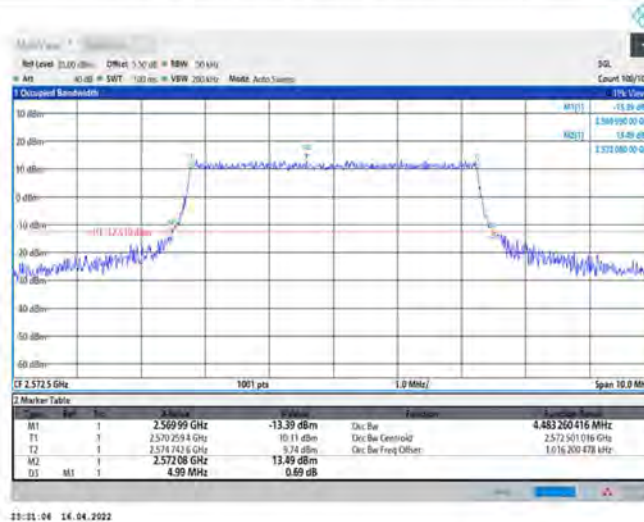
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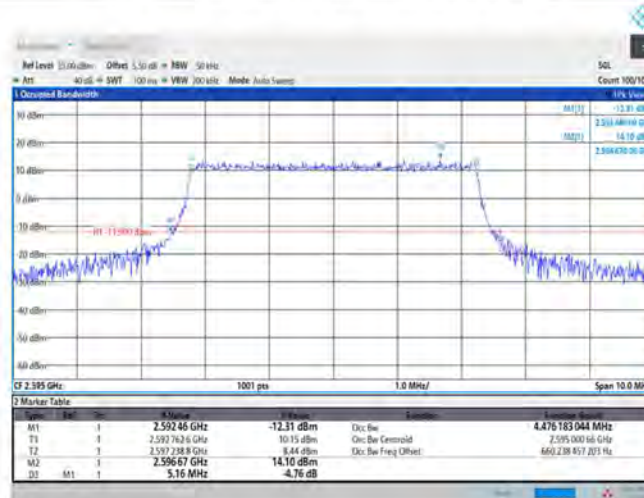
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Band38-5MHz-64QAM-37775-25RB#0



23-21-04 14.04.2022

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23-22-51 14.04.2022



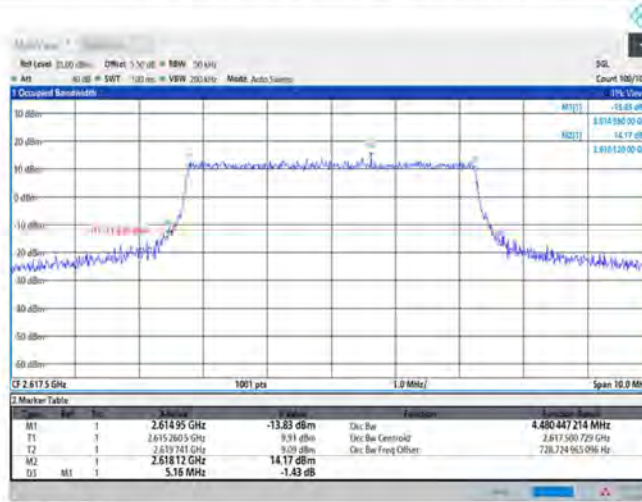
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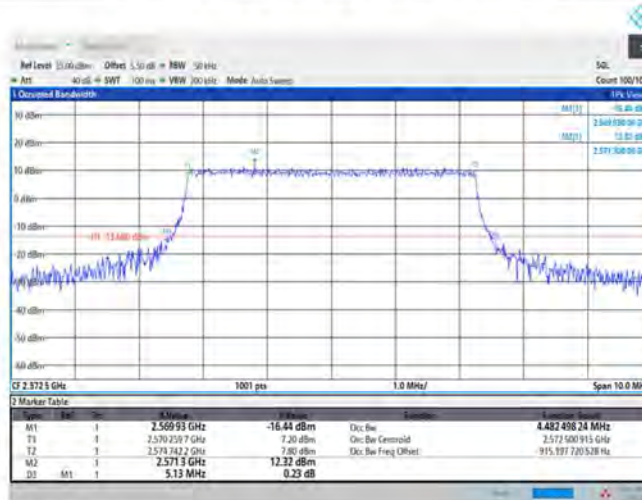
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Band38-5MHz-64QAM-38225-25RB#0



23-34-35 14.04.2022

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



23-31-31 14.04.2022



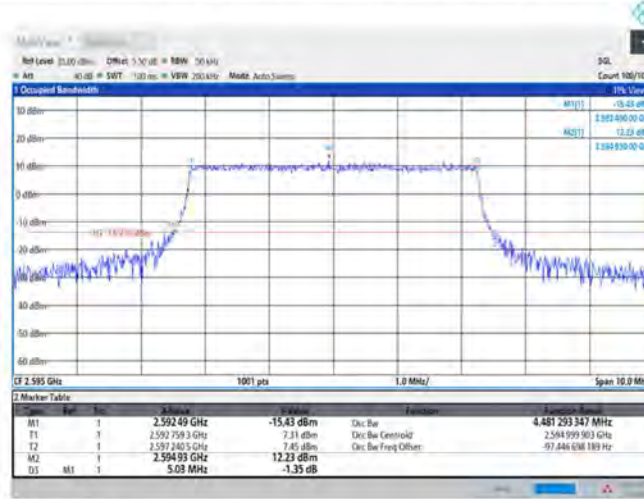
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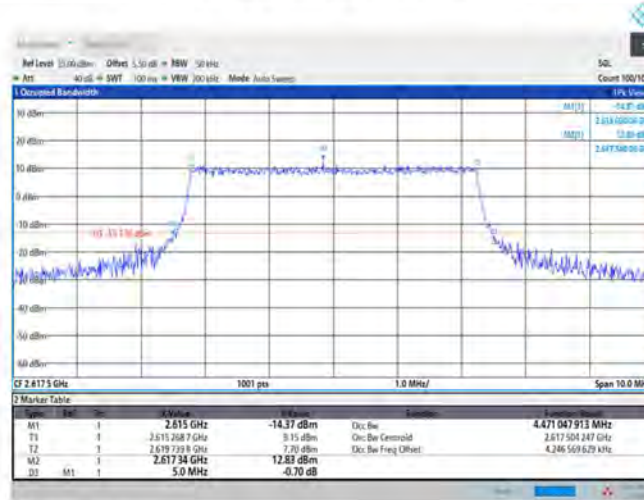
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Band38-5MHz-256QAM-38000-25RB#0



23:30:16 16.04.2022

Band38-5MHz-256QAM-38225-25RB#0



23:35:00 16.04.2022



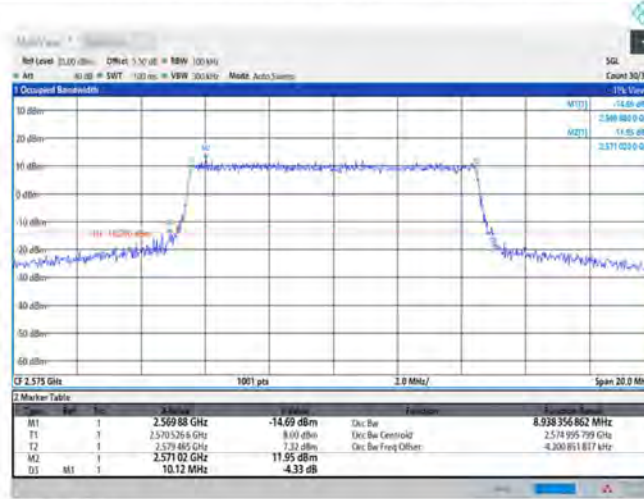
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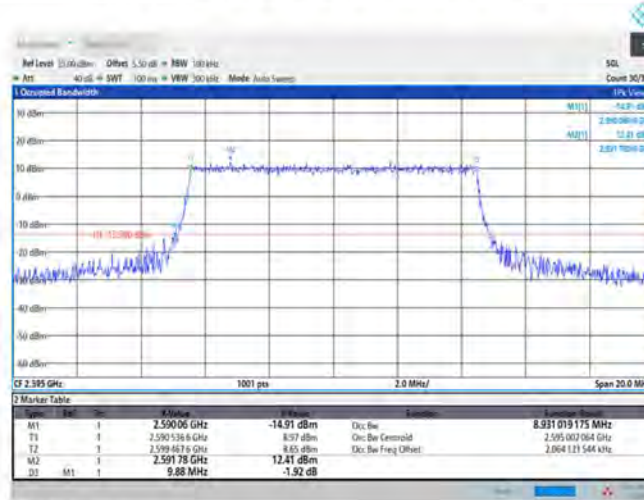
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Band38-10MHz-QPSK-37800-50RB#0



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



11:28:49 17.04.2022



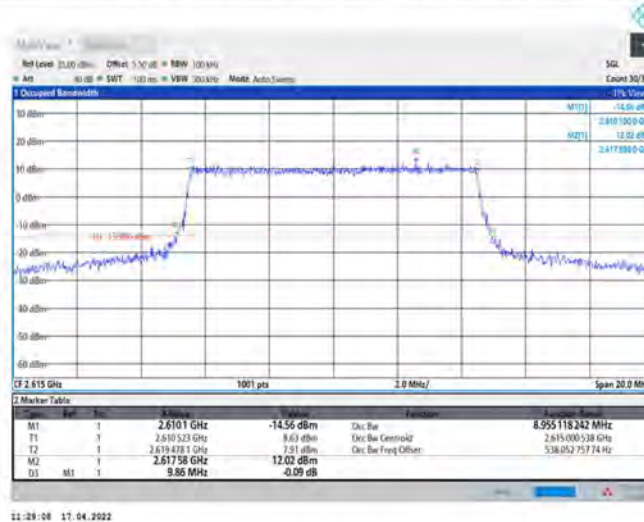
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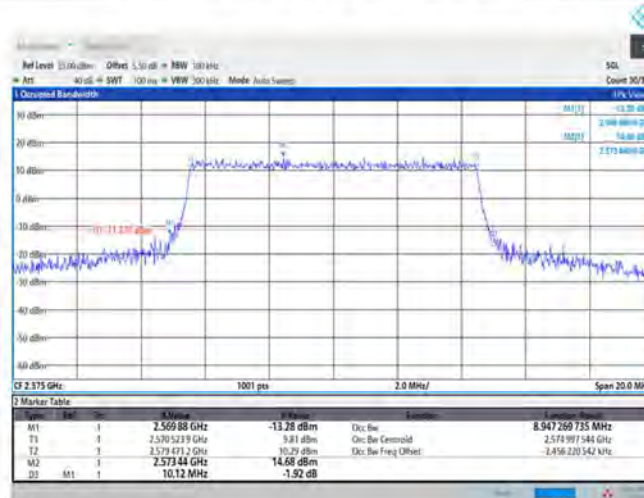
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Band38-10MHz-QPSK-38200-50RB#0



11:29:08 17.04.2022

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



23:35:52 18.04.2022



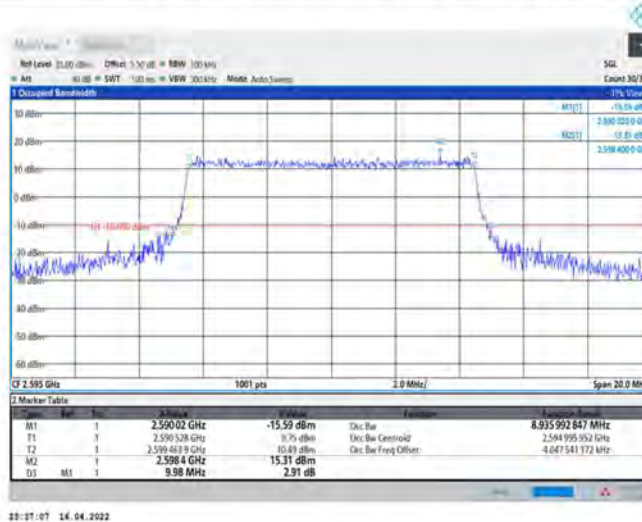
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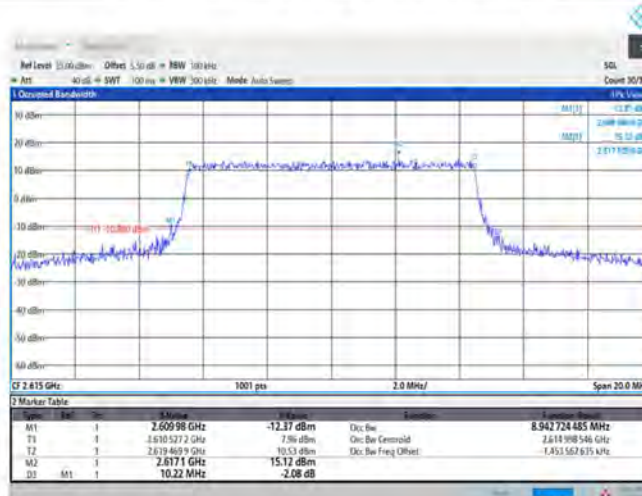
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Band38-10MHz-16QAM-38000-50RB#0



23-07-07 14:04:2022

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



23-08-23 16:04:2022



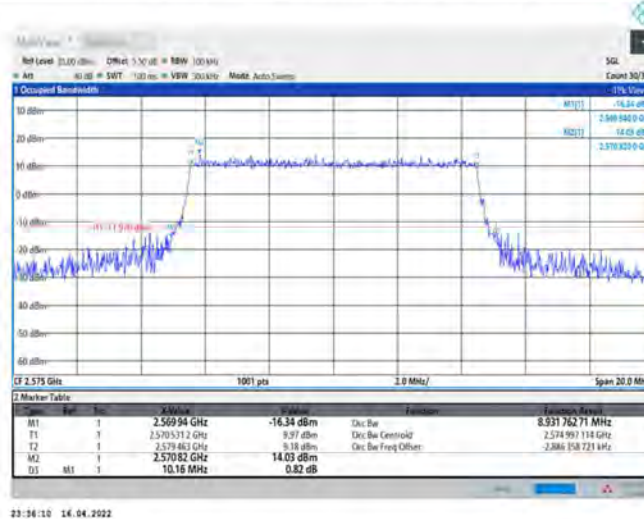
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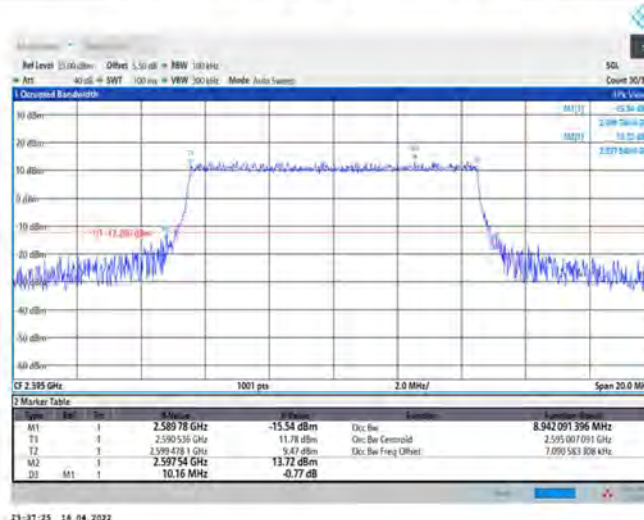
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Band38-10MHz-64QAM-37800-50RB#0



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



23-37-25 14.04.2022



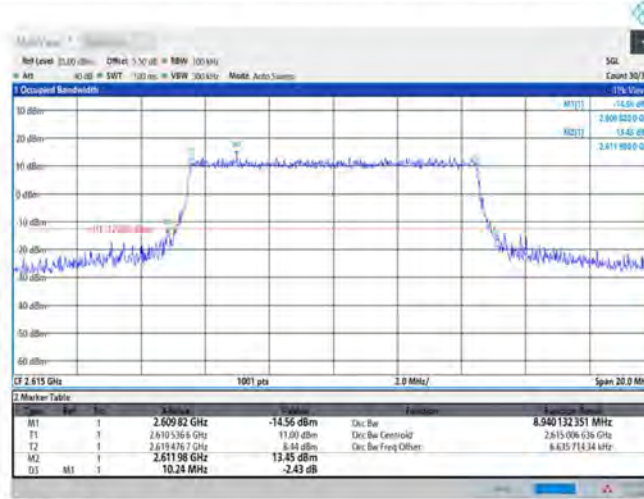
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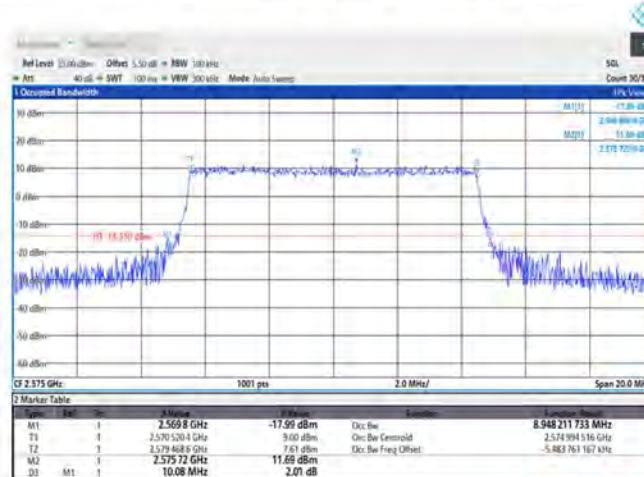
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Band38-10MHz-64QAM-38200-50RB#0



23:38:41 14.04.2022

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



23:38:28 14.04.2022



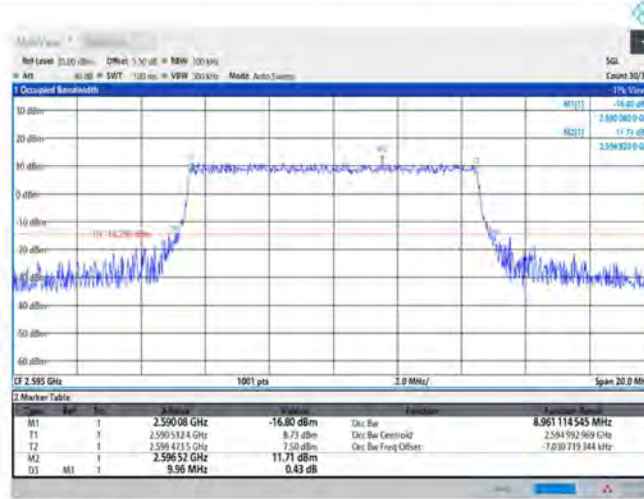
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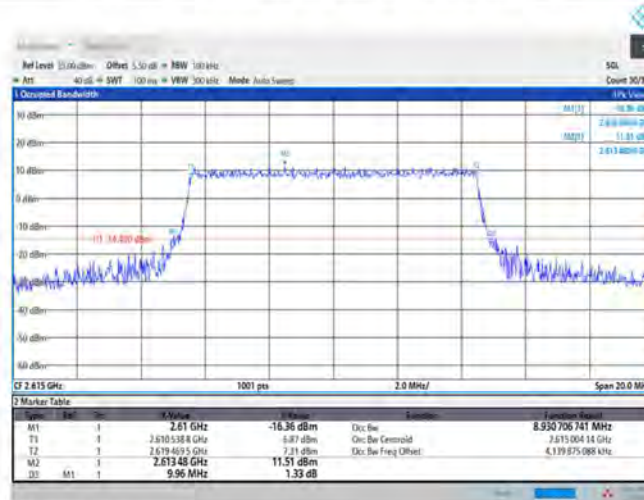
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Band38-10MHz-256QAM-38000-50RB#0



23-07-13 14:04:2022

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



23-09-05 16:04:2022



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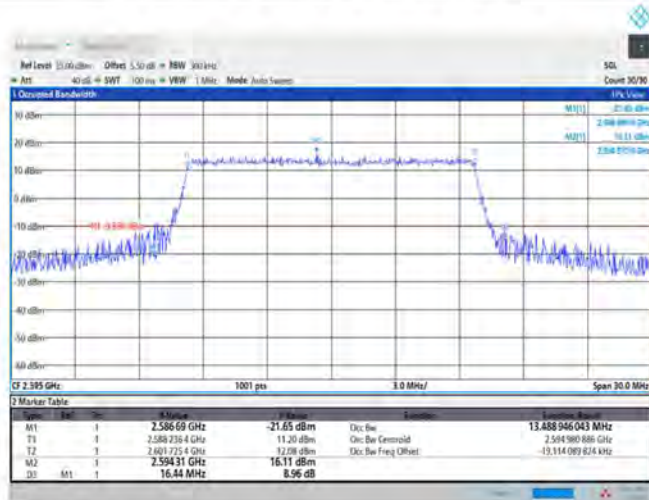
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Band38-15MHz-QPSK-37825-75RB#0



11:29:55 17.04.2022

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



11:30:13 17.04.2022



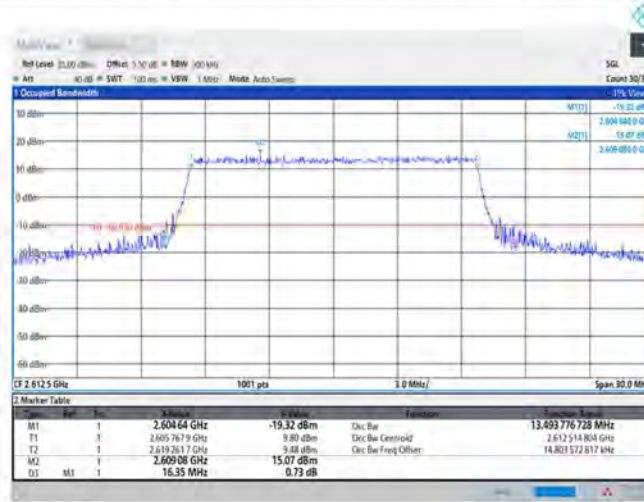
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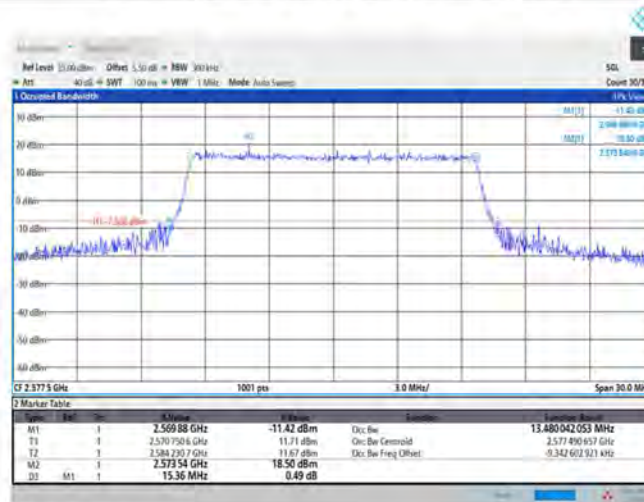
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Band38-15MHz-QPSK-38175-75RB#0



11:30:32 17.04.2022

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



23:39:51 18.04.2022



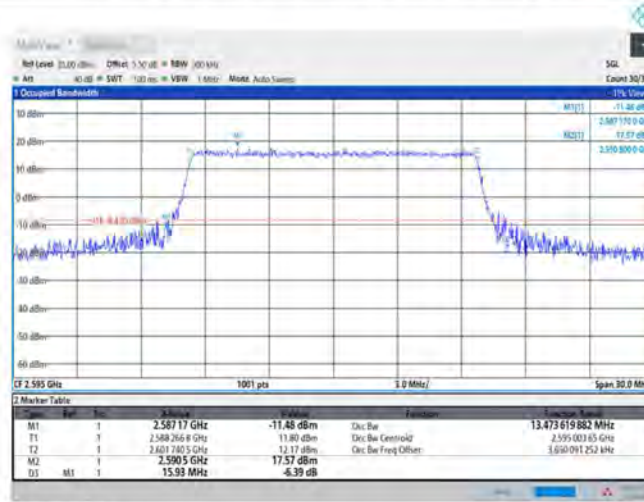
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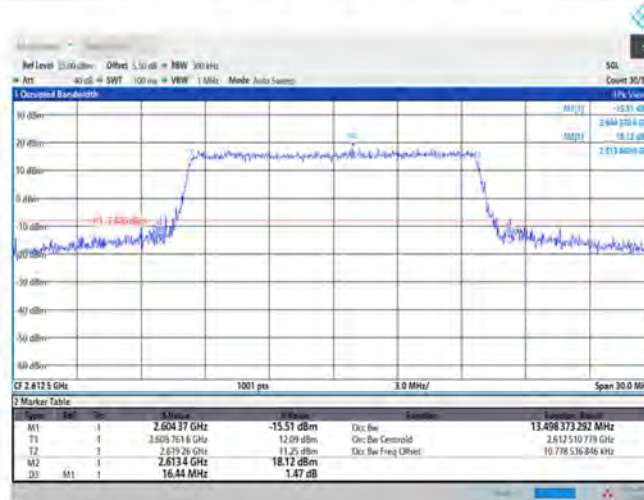
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Band38-15MHz-16QAM-38000-75RB#0



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



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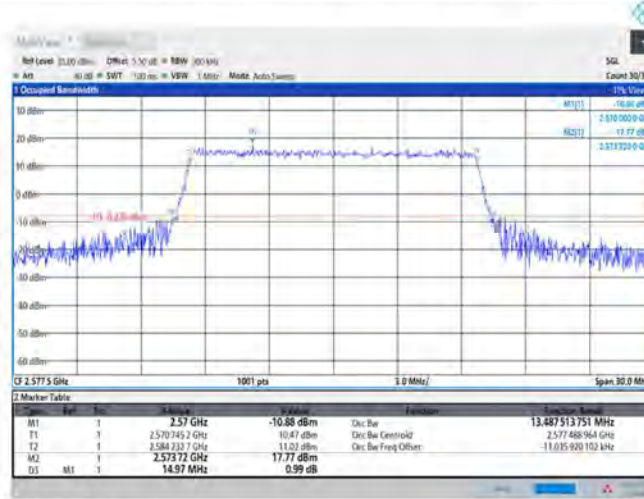
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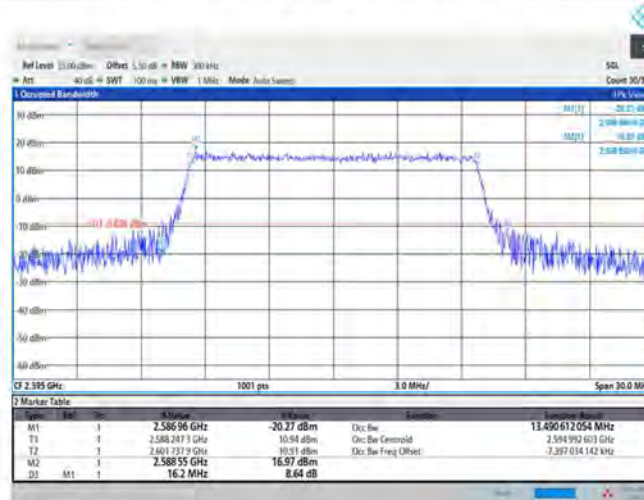
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Band38-15MHz-64QAM-38000-75RB#0



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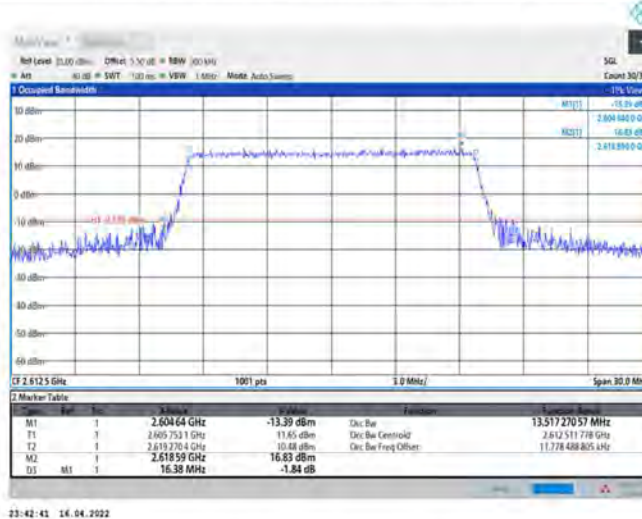
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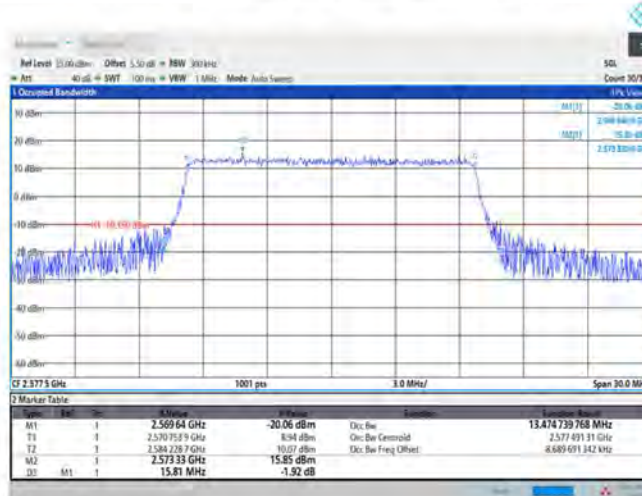
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Band38-15MHz-64QAM-38175-75RB#0



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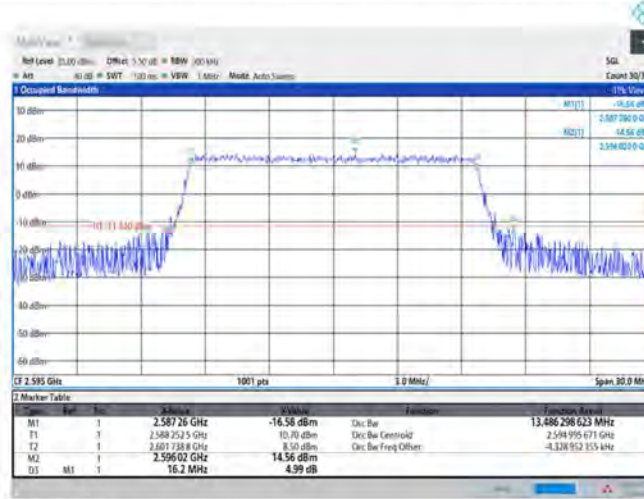
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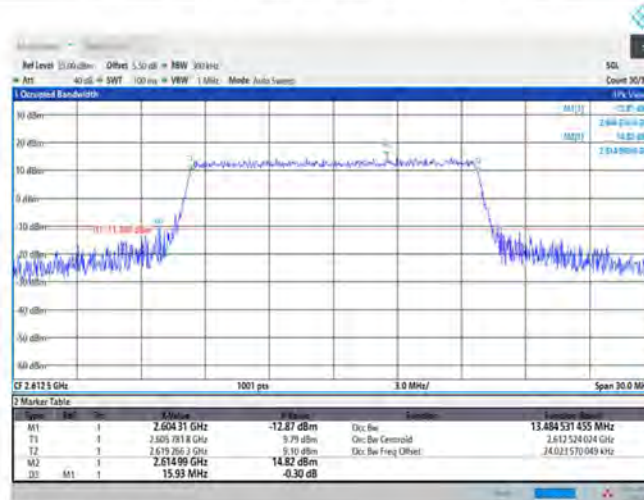
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Band38-15MHz-256QAM-38175-75RB#0



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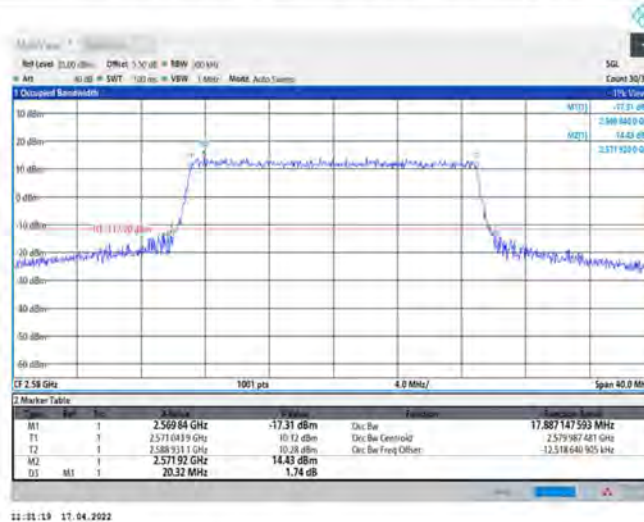
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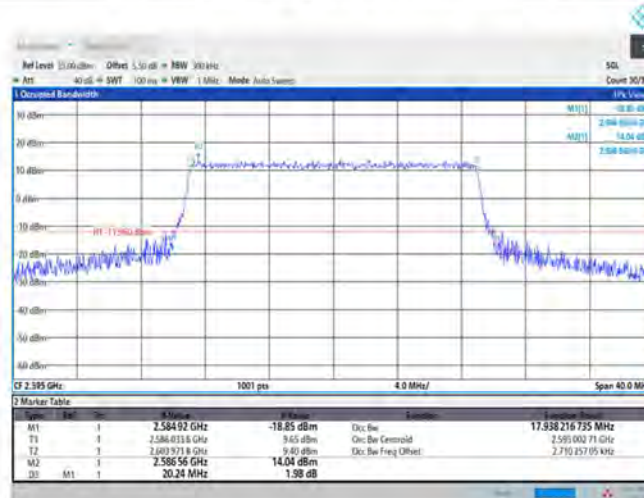
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Band38-20MHz-QPSK-37850-100RB#0



11:31:19 17.04.2022

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



11:31:37 17.04.2022



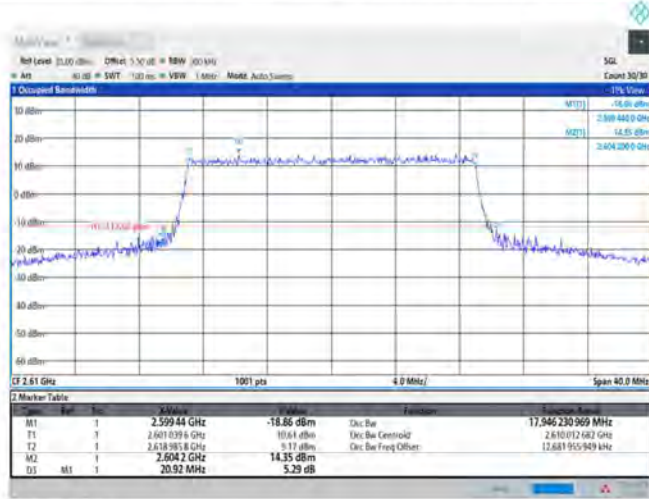
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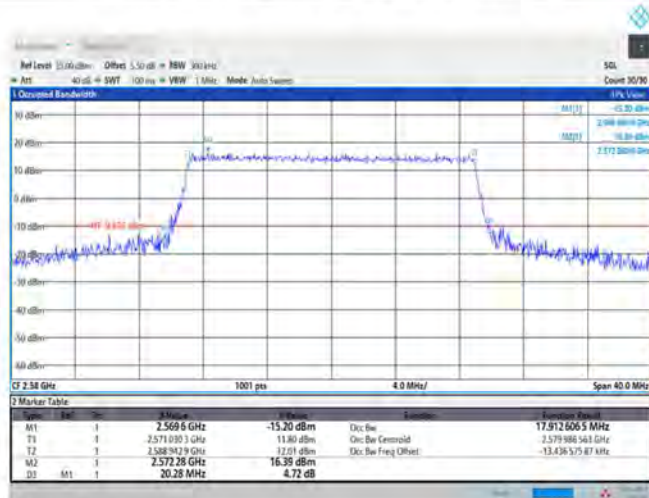
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Band38-20MHz-QPSK-38150-100RB#0



11:21:58 17.04.2022

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



23:43:50 18.04.2022



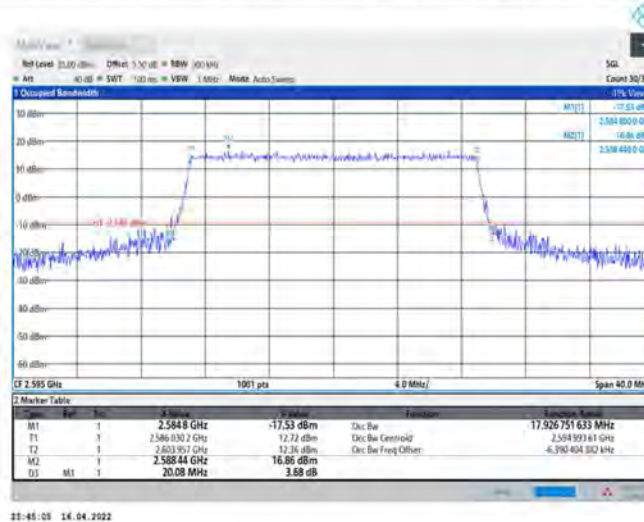
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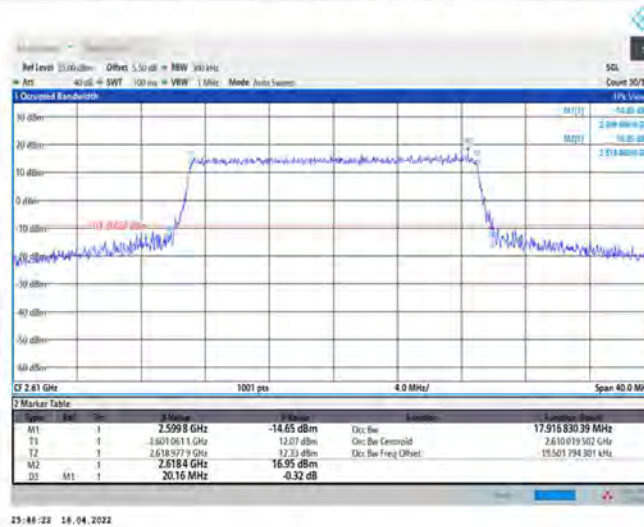
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Band38-20MHz-16QAM-38150-100RB#0

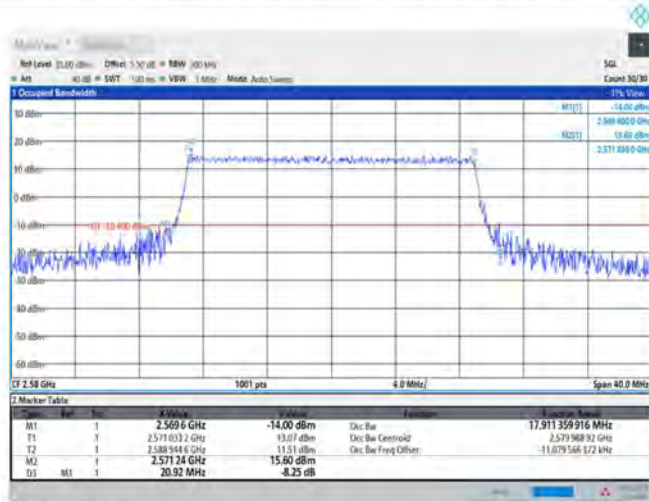


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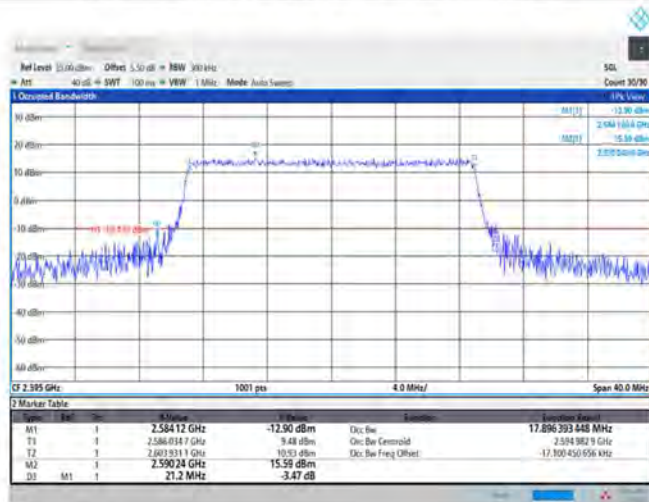
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Band38-20MHz-64QAM-37850-100RB#0



23-84-08 14.04.2022

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



23-85-23 14.04.2022



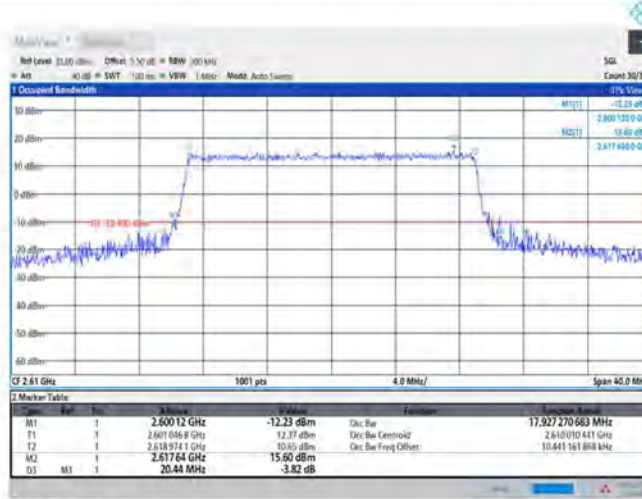
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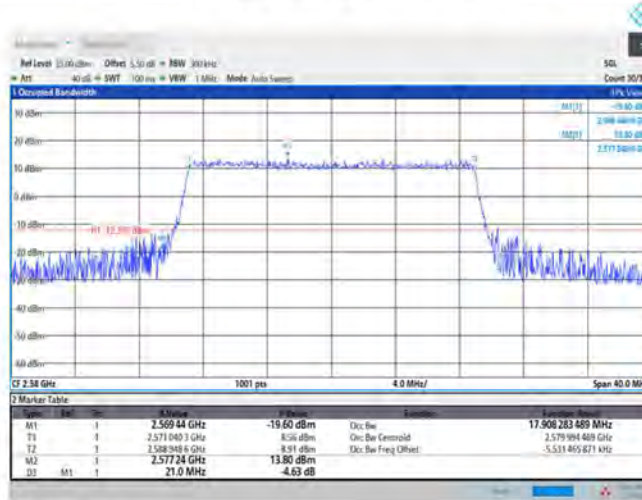
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Band38-20MHz-64QAM-38150-100RB#0



23-84-40 14.04.2022

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



23-84-26 14.04.2022



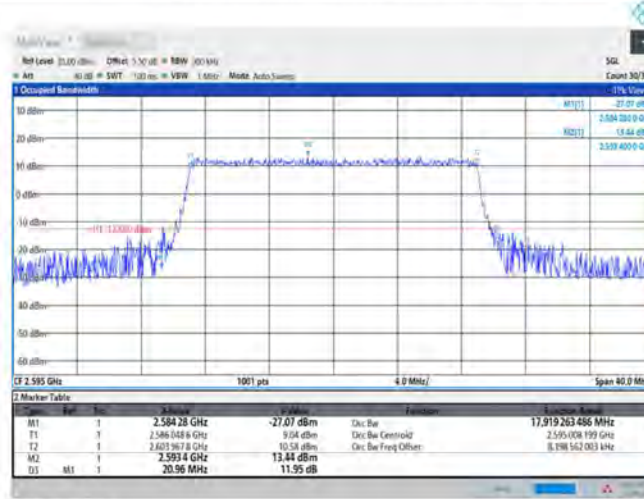
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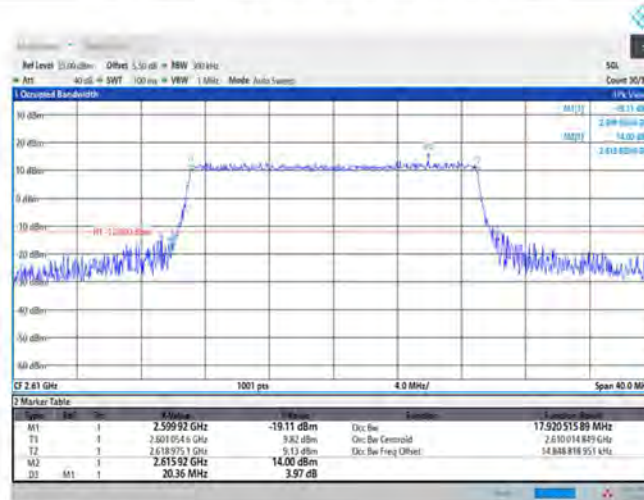
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Band38-20MHz-256QAM-38000-100RB#0



23-88-41 14.04.2022

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



23-88-58 14.04.2022



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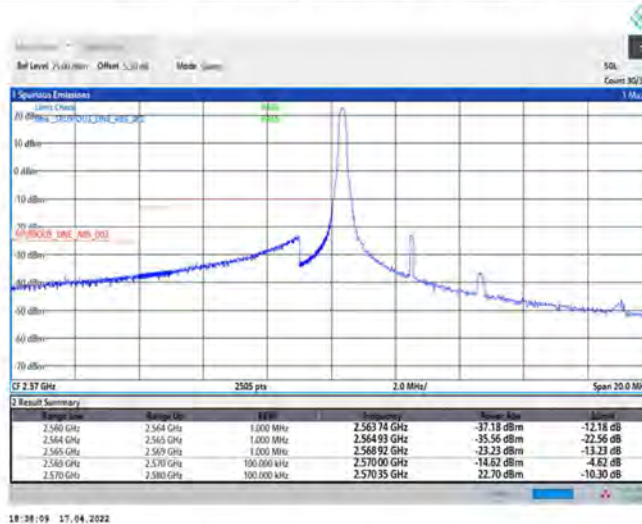
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Band Edge

Test Graphs

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



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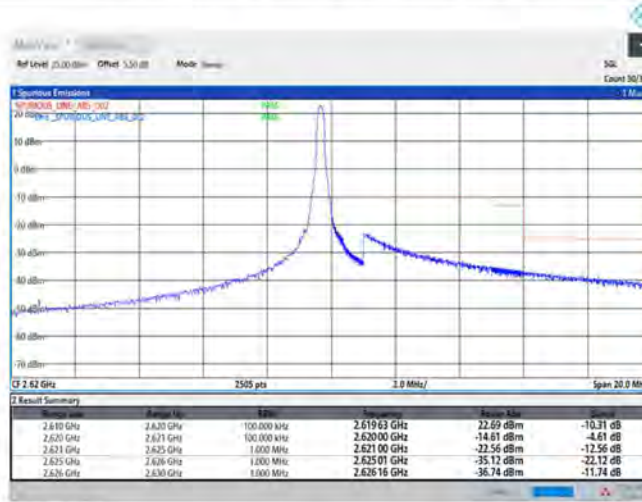
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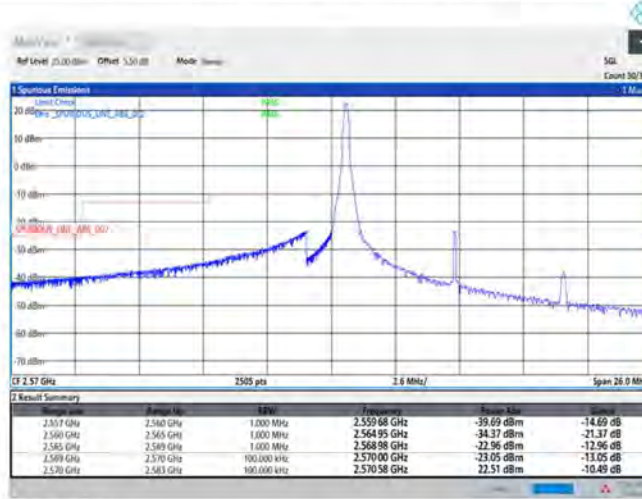
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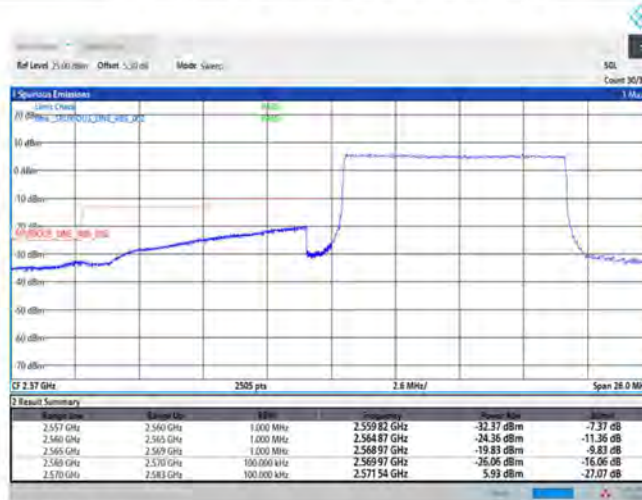
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Band38-10MHz-QPSK-37800-1RB#0



18-88-11 17.04.2022

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



18-88-17 17.04.2022



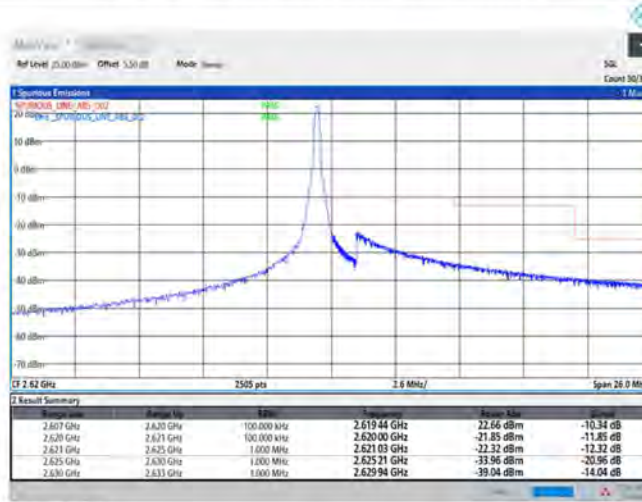
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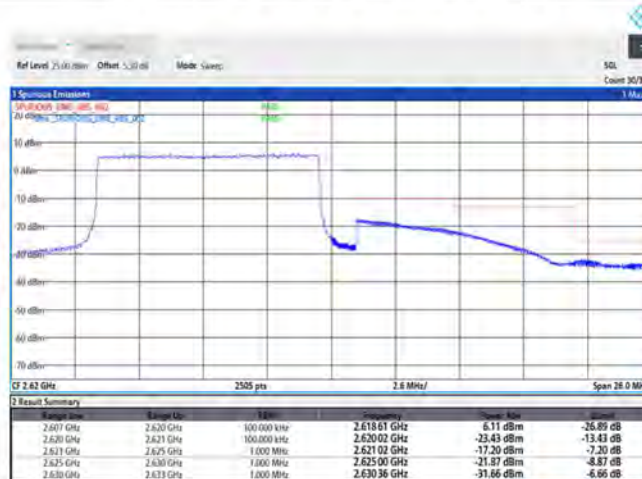
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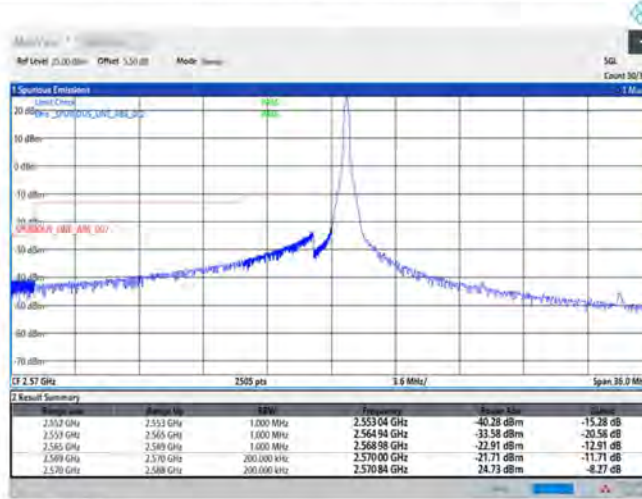
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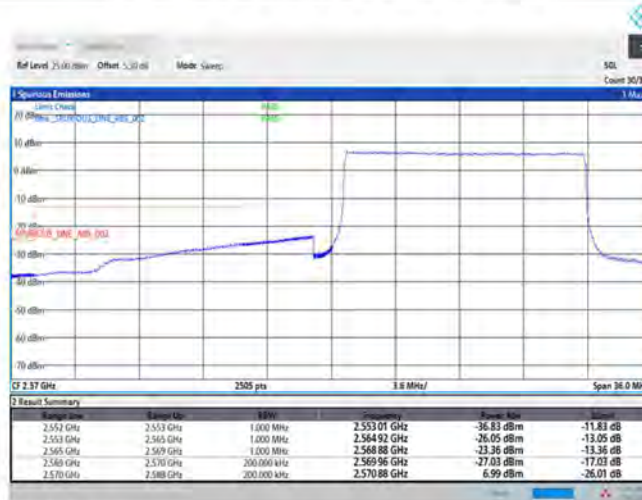
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18:52:40 17.04.2022

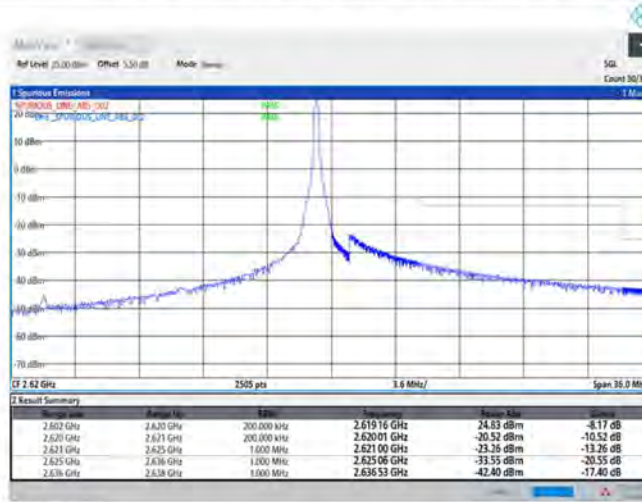


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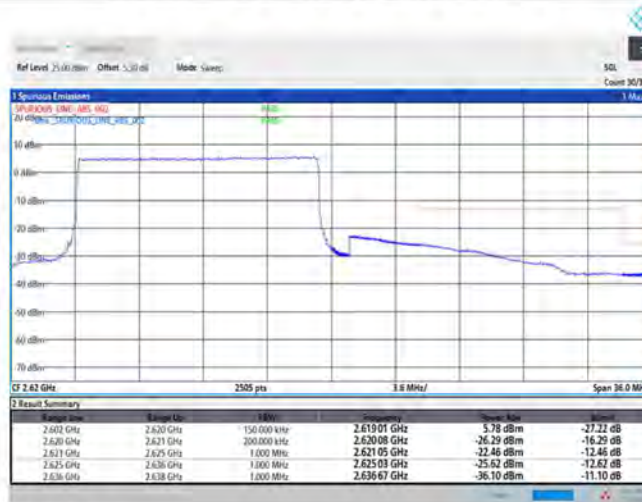
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Band38-15MHz-QPSK-38175-1RB#74



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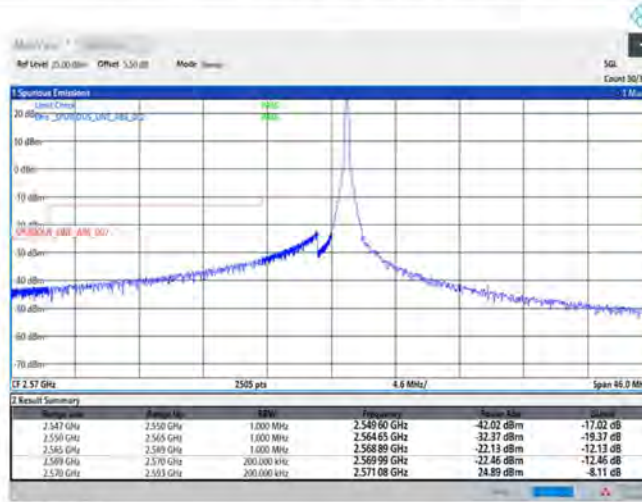
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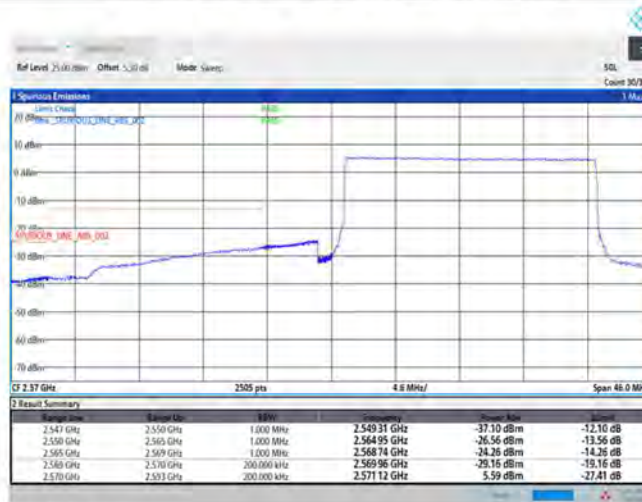
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Band38-20MHz-QPSK-37850-100RB#0



18:58:43 17. 04. 2022



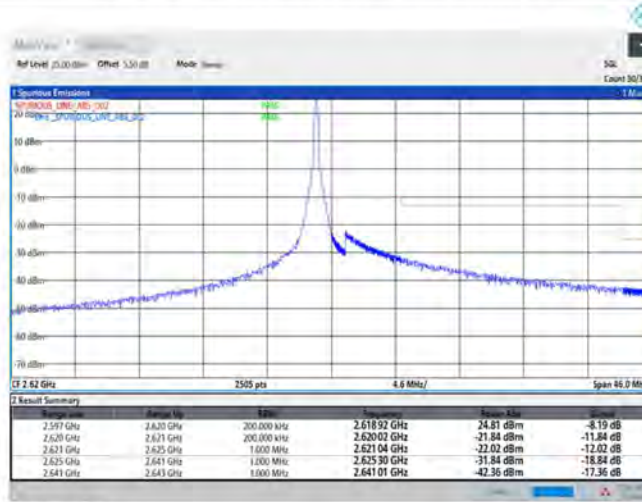
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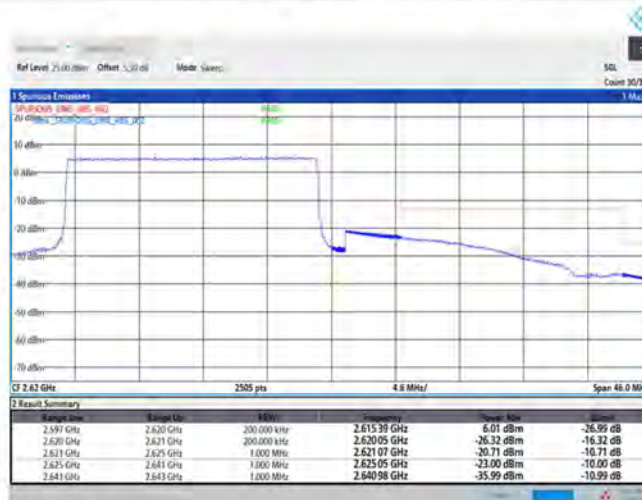
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Band38-20MHz-QPSK-38150-100RB#0



18:01:25 17.04.2022



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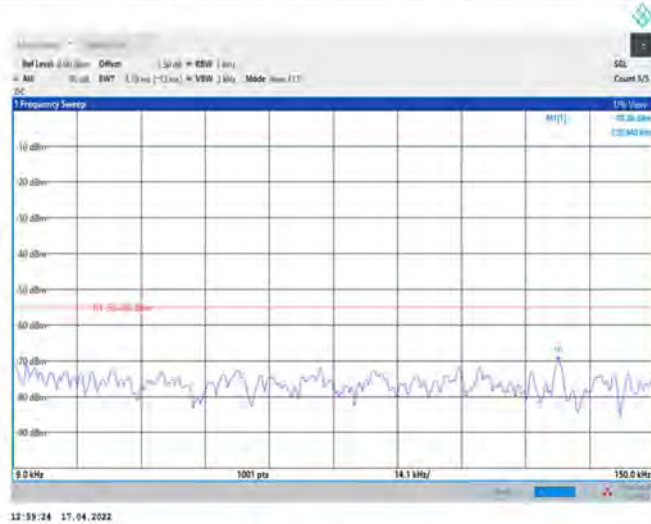
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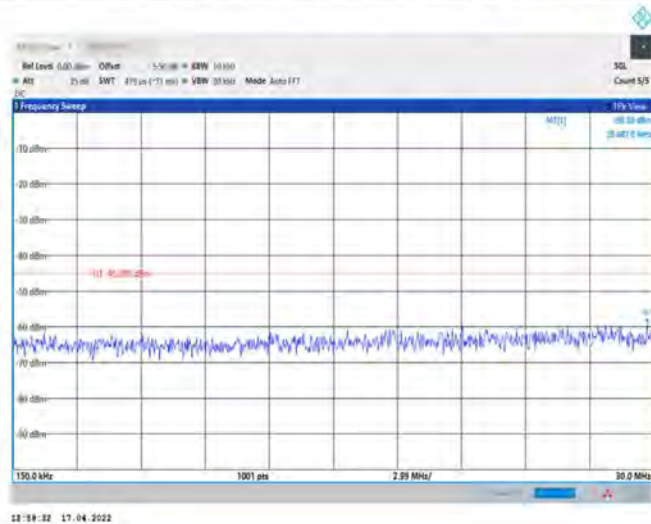
Conducted Spurious Emission

Test Graphs

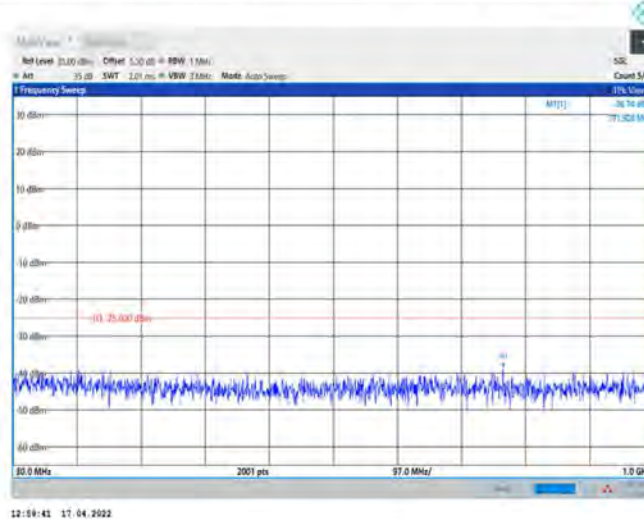
Band38-20MHz-QPSK-37850-1RB#0-Range1:0.009~0.15MHz



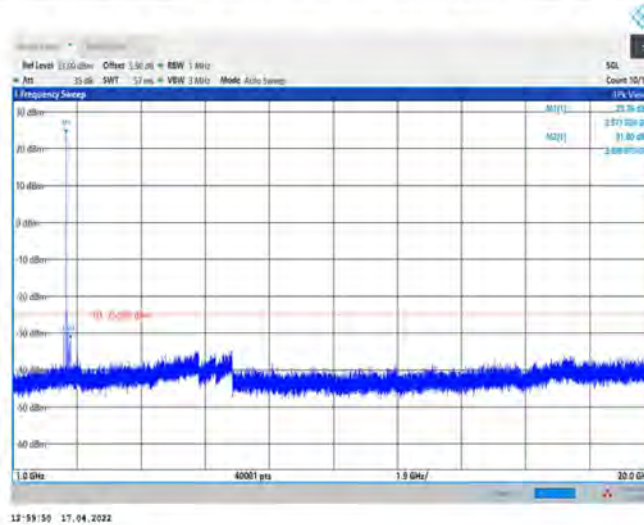
Band38-20MHz-QPSK-37850-1RB#0-Range2:0.15~30MHz



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



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

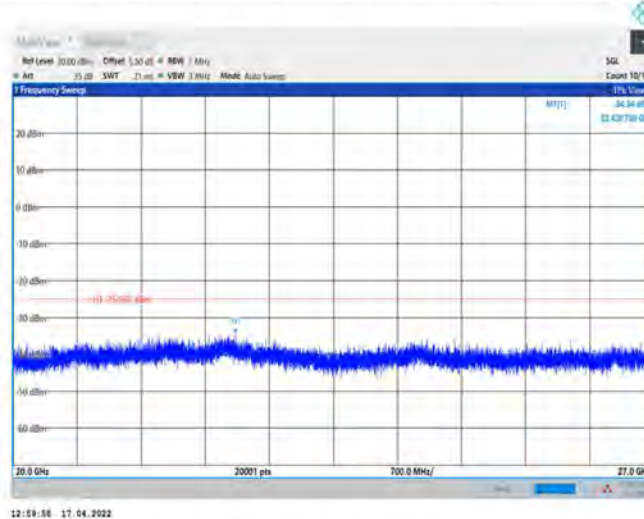


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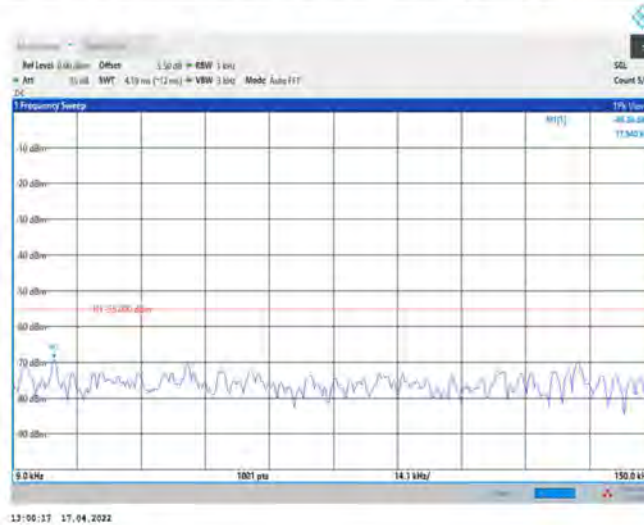
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Band38-20MHz-QPSK-37850-1RB#0-Range5:20000~27000MHz



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

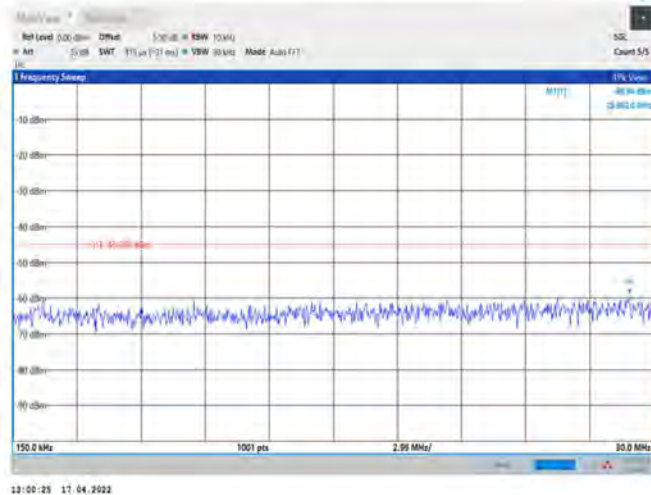


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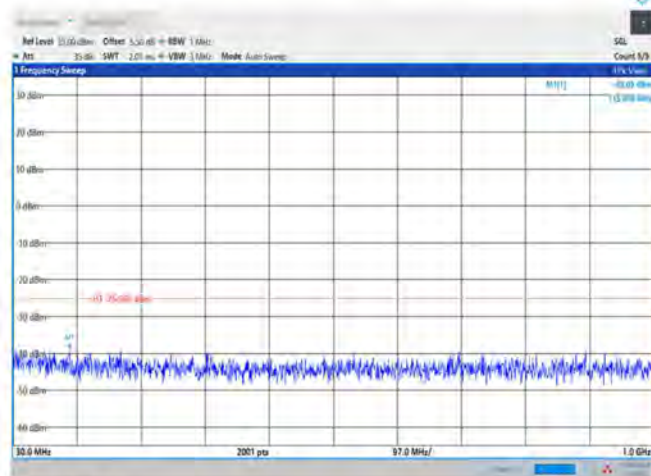
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Band38-20MHz-QPSK-38000-1RB#0-Range2:0.15~30MHz



13:00:25 17.04.2022

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



13:00:34 17.04.2022



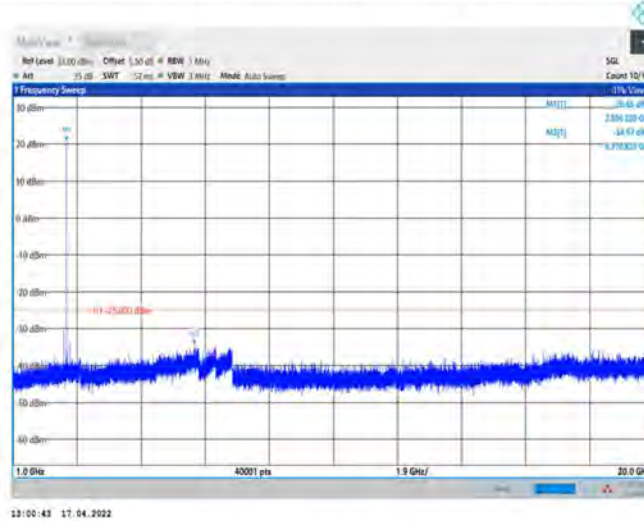
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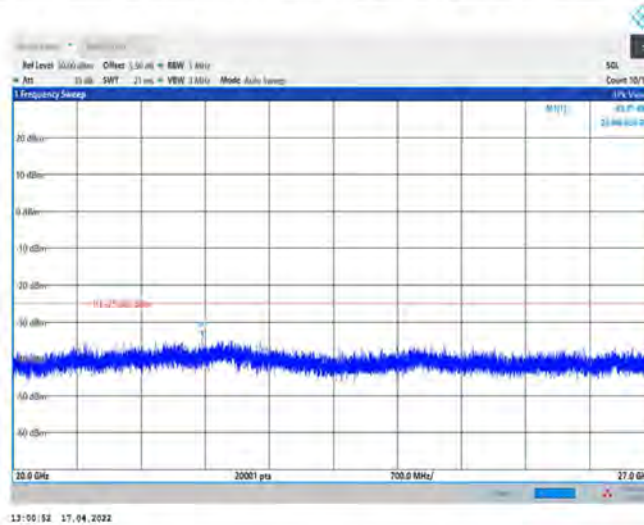
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Band38-20MHz-QPSK-38000-1RB#0-Range4:1000~20000MHz



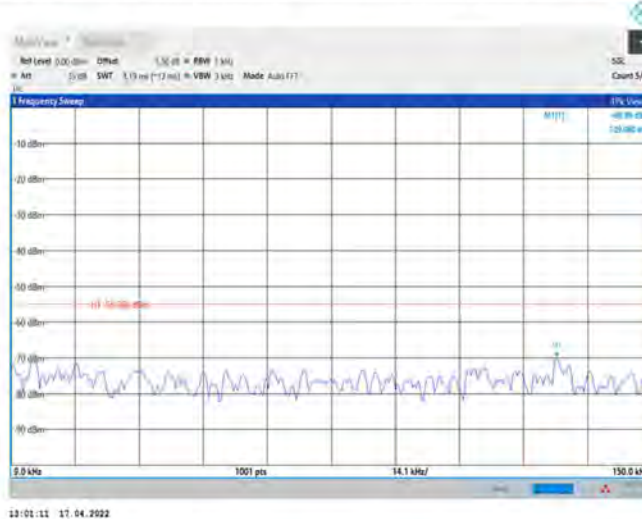
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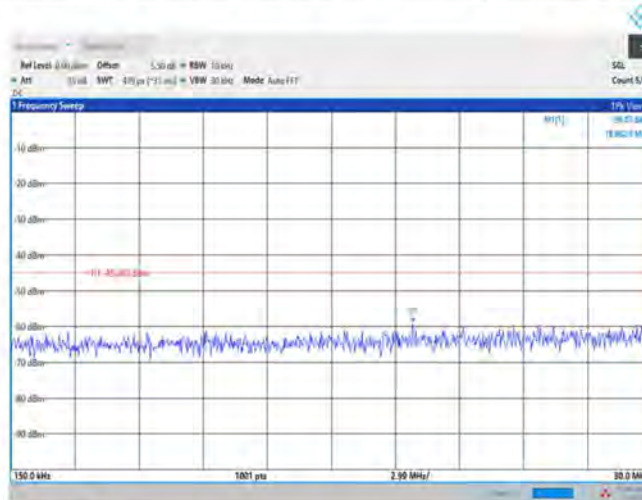
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Band38-20MHz-QPSK-38150-1RB#0-Range1:0.009~0.15MHz



13:01:11 17.04.2022

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



13:01:13 17.04.2022



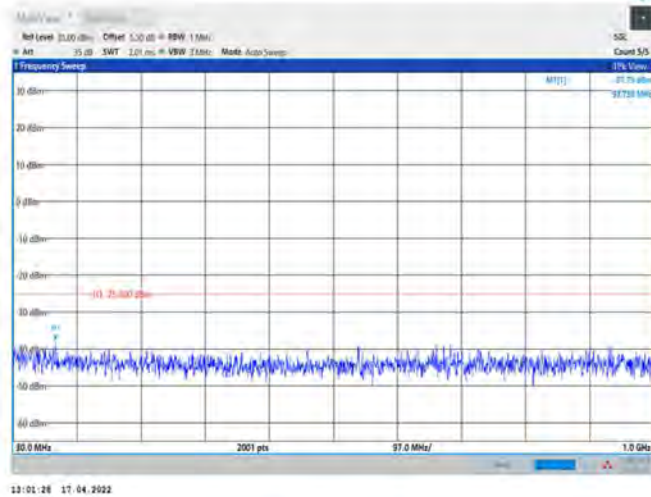
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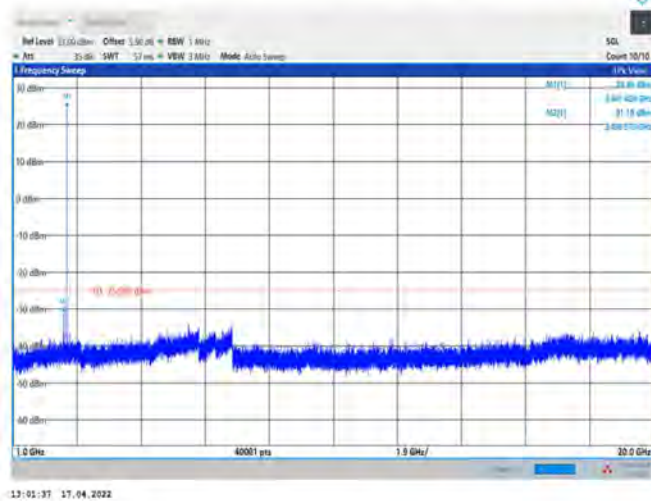
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Band38-20MHz-QPSK-38150-1RB#0-Range3:30~1000MHz



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



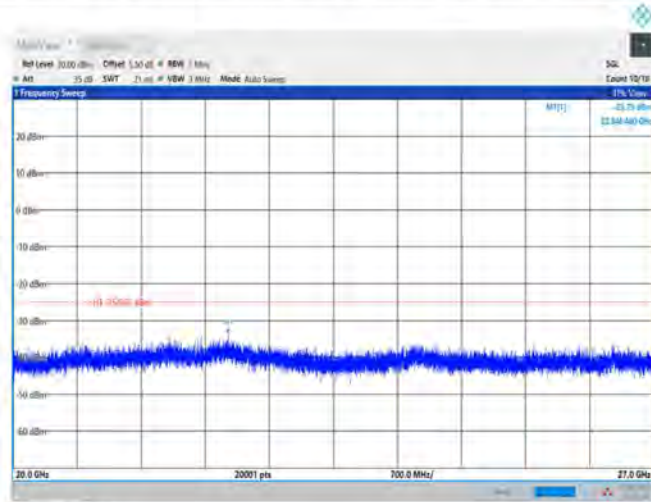
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Band38-20MHz-QPSK-38150-1RB#0-Range5:20000~27000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 38_ TM1

Test Channel = Low Channel

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5142.18 | 51.13 | -106.89 | -55.76 | -25.00 | 30.76 | 263 | 142 | Horizontal |
| 2 | 7713.27 | 49.37 | -99.56 | -50.19 | -25.00 | 25.19 | 251 | 223 | Horizontal |
| 3 | 10284.36 | 43.75 | -93.24 | -49.49 | -25.00 | 24.49 | 174 | 9 | Horizontal |
| 4 | 12855.45 | 42.90 | -90.76 | -47.86 | -25.00 | 22.86 | 162 | 84 | Horizontal |
| 5 | 15426.54 | 41.68 | -90.57 | -48.89 | -25.00 | 23.89 | 241 | 2 | Horizontal |
| 6 | 17997.63 | 39.12 | -84.09 | -44.97 | -25.00 | 19.97 | 263 | 270 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5142.18 | 51.91 | -106.89 | -54.98 | -25.00 | 29.98 | 263 | 96 | Vertical |
| 2 | 7713.27 | 50.66 | -99.56 | -48.90 | -25.00 | 23.90 | 241 | 57 | Vertical |
| 3 | 10284.36 | 44.40 | -93.24 | -48.84 | -25.00 | 23.84 | 176 | 131 | Vertical |
| 4 | 12855.45 | 43.81 | -90.76 | -46.95 | -25.00 | 21.95 | 264 | 294 | Vertical |
| 5 | 15426.54 | 41.23 | -90.57 | -49.34 | -25.00 | 24.34 | 188 | 186 | Vertical |
| 6 | 17997.63 | 39.38 | -84.09 | -44.71 | -25.00 | 19.71 | 183 | 255 | Vertical |



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Test Band = LTE Band 38_TM1
 Test Channel = Mid Channel

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5172.18 | 49.85 | -106.85 | -57.00 | -25.00 | 32.00 | 263 | 95 | Horizontal |
| 2 | 7758.27 | 49.00 | -99.15 | -50.15 | -25.00 | 25.15 | 251 | 131 | Horizontal |
| 3 | 10344.36 | 42.36 | -93.05 | -50.69 | -25.00 | 25.69 | 175 | 38 | Horizontal |
| 4 | 12930.45 | 43.00 | -90.61 | -47.61 | -25.00 | 22.61 | 265 | 357 | Horizontal |
| 5 | 15516.54 | 42.11 | -90.85 | -48.74 | -25.00 | 23.74 | 241 | 71 | Horizontal |
| 6 | 17865 | 42.41 | -84.17 | -41.76 | -25.00 | 16.76 | 178 | 176 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5172.18 | 51.83 | -106.85 | -55.02 | -25.00 | 30.02 | 362 | 127 | Vertical |
| 2 | 7758.27 | 47.96 | -99.15 | -51.19 | -25.00 | 26.19 | 251 | 71 | Vertical |
| 3 | 10344.36 | 43.14 | -93.05 | -49.91 | -25.00 | 24.91 | 186 | 9 | Vertical |
| 4 | 12930.45 | 42.69 | -90.61 | -47.92 | -25.00 | 22.92 | 264 | 23 | Vertical |
| 5 | 15516.54 | 40.78 | -90.85 | -50.07 | -25.00 | 25.07 | 176 | 178 | Vertical |
| 6 | 17907.8571 | 42.70 | -84.12 | -41.42 | -25.00 | 16.42 | 263 | 94 | Vertical |



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Test Band = LTE Band 38_TM1
 Test Channel = High Channel

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5202.18 | 50.20 | -106.81 | -56.61 | -25.00 | 31.61 | 263 | 96 | Horizontal |
| 2 | 7803.27 | 49.20 | -98.77 | -49.57 | -25.00 | 24.57 | 251 | 339 | Horizontal |
| 3 | 10404.36 | 42.63 | -92.78 | -50.15 | -25.00 | 25.15 | 174 | 304 | Horizontal |
| 4 | 13005.45 | 43.96 | -90.54 | -46.58 | -25.00 | 21.58 | 186 | 9 | Horizontal |
| 5 | 15606.54 | 42.97 | -90.76 | -47.79 | -25.00 | 22.79 | 264 | 2 | Horizontal |
| 6 | 17865 | 42.58 | -84.17 | -41.59 | -25.00 | 16.59 | 148 | 62 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 5202.18 | 53.62 | -106.81 | -53.19 | -25.00 | 28.19 | 263 | 96 | Vertical |
| 2 | 7803.27 | 48.79 | -98.77 | -49.98 | -25.00 | 24.98 | 251 | 71 | Vertical |
| 3 | 10404.36 | 42.67 | -92.78 | -50.11 | -25.00 | 25.11 | 174 | 338 | Vertical |
| 4 | 13005.45 | 42.88 | -90.54 | -47.66 | -25.00 | 22.66 | 263 | 254 | Vertical |
| 5 | 15606.54 | 41.57 | -90.76 | -49.19 | -25.00 | 24.19 | 241 | 178 | Vertical |
| 6 | 17854.2857 | 41.99 | -84.19 | -42.20 | -25.00 | 17.20 | 268 | 164 | Vertical |



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Frequency Stability

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VL | NT | -0.70 | -0.000270 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VN | NT | -1.60 | -0.000617 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VH | NT | -1.40 | -0.000539 | PASS |

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

---End of Attachment---



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