

Appendix B

E-UTRA Band 17



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1 Effective (Isotropic) Radiated Power

1.1 Test Result

ANT1:

| Band | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------|--------------|-----------|-------------|---------|
| Band17 | 5MHz | QPSK | 23755 | 1RB#0 | 23.20 | 15.82 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#12 | 23.10 | 15.72 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#24 | 23.26 | 15.88 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#0 | 22.14 | 14.76 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#6 | 22.22 | 14.84 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#13 | 22.26 | 14.88 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 22.20 | 14.82 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#0 | 23.14 | 15.76 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#12 | 23.20 | 15.82 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#24 | 23.23 | 15.85 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#0 | 22.18 | 14.8 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#6 | 22.16 | 14.78 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#13 | 22.16 | 14.78 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 22.14 | 14.76 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#0 | 23.15 | 15.77 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#12 | 23.09 | 15.71 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#24 | 23.21 | 15.83 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#0 | 22.19 | 14.81 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#6 | 22.14 | 14.76 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#13 | 22.10 | 14.72 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 22.19 | 14.81 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0 | 22.17 | 14.79 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#12 | 22.42 | 15.04 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 22.30 | 14.92 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#0 | 21.13 | 13.75 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#6 | 21.21 | 13.83 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#13 | 21.12 | 13.74 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 21.22 | 13.84 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0 | 22.81 | 15.43 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#12 | 22.74 | 15.36 | 34.77 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 22.88 | 15.5 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#0 | 21.23 | 13.85 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#6 | 21.08 | 13.7 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#13 | 21.14 | 13.76 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 21.20 | 13.82 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0 | 22.87 | 15.49 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#12 | 22.72 | 15.34 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#24 | 22.87 | 15.49 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#0 | 21.20 | 13.82 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#6 | 21.19 | 13.81 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#13 | 21.05 | 13.67 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 21.13 | 13.75 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#0 | 21.11 | 13.73 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#12 | 21.20 | 13.82 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#24 | 21.15 | 13.77 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#0 | 20.10 | 12.72 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#6 | 20.06 | 12.68 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#13 | 20.05 | 12.67 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 25RB#0 | 20.12 | 12.74 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#0 | 21.11 | 13.73 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#12 | 21.05 | 13.67 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#24 | 21.01 | 13.63 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#0 | 20.10 | 12.72 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#6 | 20.07 | 12.69 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#13 | 20.01 | 12.63 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 25RB#0 | 20.10 | 12.72 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#0 | 21.08 | 13.7 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#12 | 21.07 | 13.69 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#24 | 21.15 | 13.77 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#0 | 20.20 | 12.82 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#6 | 20.14 | 12.76 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#13 | 20.12 | 12.74 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 25RB#0 | 20.04 | 12.66 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#0 | 23.01 | 15.63 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#24 | 23.28 | 15.9 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#49 | 23.18 | 15.8 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#0 | 22.13 | 14.75 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#12 | 22.17 | 14.79 | 34.77 | PASS |



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|--------|-------|-------|-------|---------|--------------|-------|-------|------|
| Band17 | 10MHz | QPSK | 23780 | 25RB#25 | 22.11 | 14.73 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 22.21 | 14.83 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#0 | 23.02 | 15.64 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#24 | 23.31 | 15.93 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#49 | 23.14 | 15.76 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#0 | 22.17 | 14.79 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#12 | 22.15 | 14.77 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#25 | 22.14 | 14.76 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 22.21 | 14.83 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#0 | 23.03 | 15.65 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#24 | 23.22 | 15.84 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#49 | 23.18 | 15.8 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#0 | 22.19 | 14.81 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#12 | 22.18 | 14.8 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#25 | 22.15 | 14.77 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 22.17 | 14.79 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | 22.71 | 15.33 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#24 | 22.24 | 14.86 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 22.47 | 15.09 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#0 | 21.06 | 13.68 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#12 | 21.15 | 13.77 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#25 | 21.07 | 13.69 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 21.11 | 13.73 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0 | 22.68 | 15.3 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#24 | 22.72 | 15.34 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 22.13 | 14.75 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#0 | 21.13 | 13.75 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#12 | 21.12 | 13.74 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#25 | 21.21 | 13.83 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 21.19 | 13.81 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | 22.68 | 15.3 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#24 | 22.87 | 15.49 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 22.52 | 15.14 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#0 | 21.20 | 13.82 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#12 | 21.12 | 13.74 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#25 | 21.13 | 13.75 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 21.14 | 13.76 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#0 | 21.18 | 13.8 | 34.77 | PASS |



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|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 10MHz | 64QAM | 23780 | 1RB#24 | 21.17 | 13.79 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#49 | 21.15 | 13.77 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#0 | 20.18 | 12.8 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#12 | 20.04 | 12.66 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#25 | 20.03 | 12.65 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 20.03 | 12.65 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#0 | 21.07 | 13.69 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#24 | 21.01 | 13.63 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#49 | 21.01 | 13.63 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#0 | 20.16 | 12.78 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#12 | 20.07 | 12.69 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#25 | 20.04 | 12.66 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 20.18 | 12.8 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#0 | 21.20 | 13.82 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#24 | 21.12 | 13.74 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#49 | 21.06 | 13.68 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#0 | 20.18 | 12.8 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#12 | 20.11 | 12.73 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#25 | 20.07 | 12.69 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 20.06 | 12.68 | 34.77 | PASS |



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ANT2:

| Band | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | ERP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|------------|--------------|-----------|-------------|---------|
| Band17 | 5MHz | QPSK | 23755 | 1RB#0 | 22.90 | 15.65 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#12 | 22.93 | 15.68 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 1RB#24 | 23.02 | 15.77 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#0 | 22.05 | 14.8 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#6 | 22.01 | 14.76 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 12RB#13 | 22.04 | 14.79 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 22.09 | 14.84 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#0 | 22.97 | 15.72 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#12 | 23.01 | 15.76 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 1RB#24 | 22.98 | 15.73 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#0 | 22.00 | 14.75 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#6 | 21.99 | 14.74 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 12RB#13 | 22.02 | 14.77 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 22.02 | 14.77 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#0 | 23.02 | 15.77 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#12 | 22.98 | 15.73 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 1RB#24 | 22.93 | 15.68 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#0 | 22.02 | 14.77 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#6 | 21.98 | 14.73 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 12RB#13 | 21.92 | 14.67 | 34.77 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 21.96 | 14.71 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#0 | 22.54 | 15.29 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#12 | 22.71 | 15.46 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 1RB#24 | 22.32 | 15.07 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#0 | 21.03 | 13.78 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#6 | 21.04 | 13.79 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 12RB#13 | 21.06 | 13.81 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 20.97 | 13.72 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#0 | 22.36 | 15.11 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#12 | 22.11 | 14.86 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 1RB#24 | 22.27 | 15.02 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#0 | 20.94 | 13.69 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#6 | 20.98 | 13.73 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 12RB#13 | 21.01 | 13.76 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 21.02 | 13.77 | 34.77 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 5MHz | 16QAM | 23825 | 1RB#0 | 22.67 | 15.42 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#12 | 22.53 | 15.28 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 1RB#24 | 22.00 | 14.75 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#0 | 21.03 | 13.78 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#6 | 21.02 | 13.77 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 12RB#13 | 20.85 | 13.6 | 34.77 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 20.90 | 13.65 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#0 | 21.18 | 13.93 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#12 | 21.17 | 13.92 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 1RB#24 | 21.13 | 13.88 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#0 | 20.22 | 12.97 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#6 | 20.12 | 12.87 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 12RB#13 | 20.07 | 12.82 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 25RB#0 | 20.07 | 12.82 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#0 | 21.01 | 13.76 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#12 | 21.25 | 14 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 1RB#24 | 21.12 | 13.87 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#0 | 20.18 | 12.93 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#6 | 20.11 | 12.86 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 12RB#13 | 20.04 | 12.79 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 25RB#0 | 20.22 | 12.97 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#0 | 21.22 | 13.97 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#12 | 21.27 | 14.02 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 1RB#24 | 21.16 | 13.91 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#0 | 20.21 | 12.96 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#6 | 20.09 | 12.84 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 12RB#13 | 20.22 | 12.97 | 34.77 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 25RB#0 | 20.08 | 12.83 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#0 | 22.92 | 15.67 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#24 | 23.10 | 15.85 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 1RB#49 | 23.04 | 15.79 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#0 | 22.09 | 14.84 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#12 | 22.06 | 14.81 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 25RB#25 | 22.06 | 14.81 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 22.10 | 14.85 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#0 | 22.91 | 15.66 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#24 | 23.15 | 15.9 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 1RB#49 | 23.03 | 15.78 | 34.77 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 10MHz | QPSK | 23790 | 25RB#0 | 22.06 | 14.81 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#12 | 21.99 | 14.74 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 25RB#25 | 22.08 | 14.83 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 22.11 | 14.86 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#0 | 22.96 | 15.71 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#24 | 23.05 | 15.8 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 1RB#49 | 23.08 | 15.83 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#0 | 22.04 | 14.79 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#12 | 22.07 | 14.82 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 25RB#25 | 22.04 | 14.79 | 34.77 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 22.02 | 14.77 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#0 | 22.54 | 15.29 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#24 | 22.34 | 15.09 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 1RB#49 | 22.70 | 15.45 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#0 | 21.06 | 13.81 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#12 | 21.08 | 13.83 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 25RB#25 | 21.11 | 13.86 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 21.11 | 13.86 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#0 | 22.62 | 15.37 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#24 | 22.63 | 15.38 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 1RB#49 | 22.27 | 15.02 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#0 | 20.95 | 13.7 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#12 | 20.97 | 13.72 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 25RB#25 | 21.14 | 13.89 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 21.04 | 13.79 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#0 | 22.56 | 15.31 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#24 | 22.26 | 15.01 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 1RB#49 | 22.82 | 15.57 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#0 | 20.96 | 13.71 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#12 | 21.01 | 13.76 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 25RB#25 | 20.94 | 13.69 | 34.77 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 21.01 | 13.76 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#0 | 21.08 | 13.83 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#24 | 21.07 | 13.82 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 1RB#49 | 21.13 | 13.88 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#0 | 20.27 | 13.02 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#12 | 20.04 | 12.79 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 25RB#25 | 20.27 | 13.02 | 34.77 | PASS |



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| | | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|-------|------|
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 20.24 | 12.99 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#0 | 21.27 | 14.02 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#24 | 21.09 | 13.84 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 1RB#49 | 21.23 | 13.98 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#0 | 20.12 | 12.87 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#12 | 20.12 | 12.87 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 25RB#25 | 20.06 | 12.81 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 20.21 | 12.96 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#0 | 21.27 | 14.02 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#24 | 21.20 | 13.95 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 1RB#49 | 21.27 | 14.02 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#0 | 20.22 | 12.97 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#12 | 20.12 | 12.87 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 25RB#25 | 20.25 | 13 | 34.77 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 20.11 | 12.86 | 34.77 | PASS |

Remark:

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

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

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



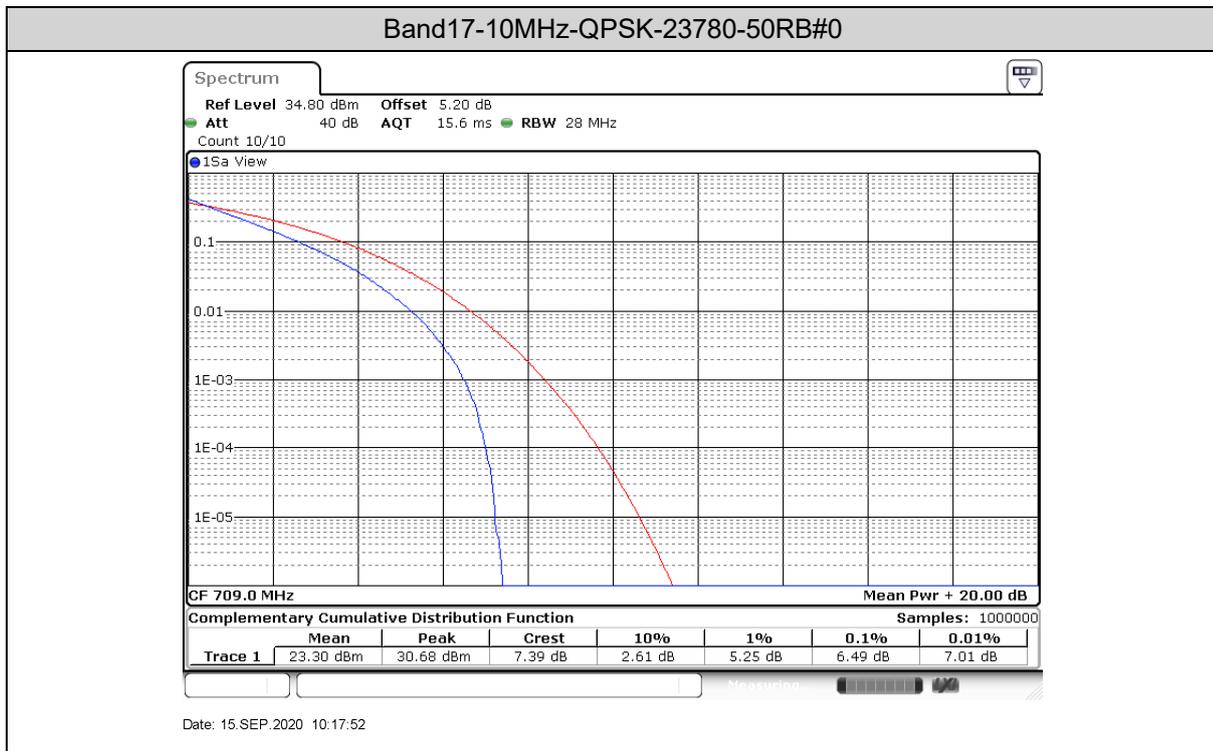
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2 Peak-to-Average Ratio (CCDF)

2.1 Test Result

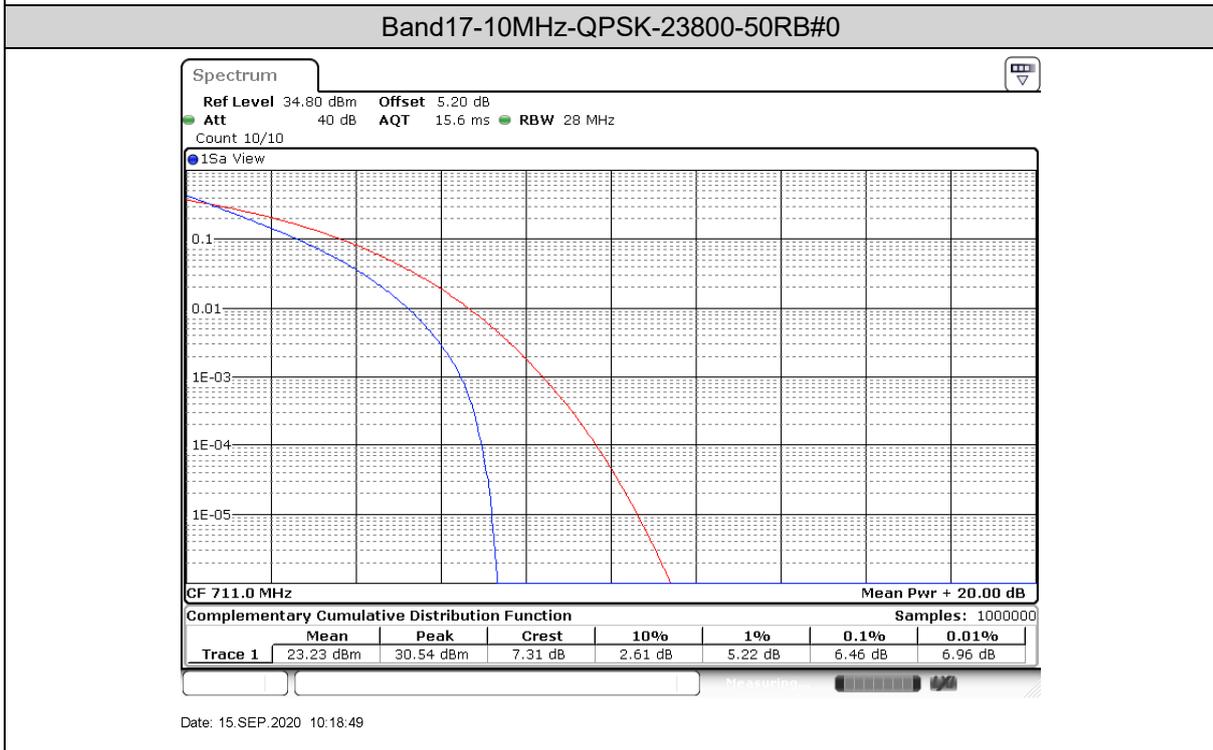
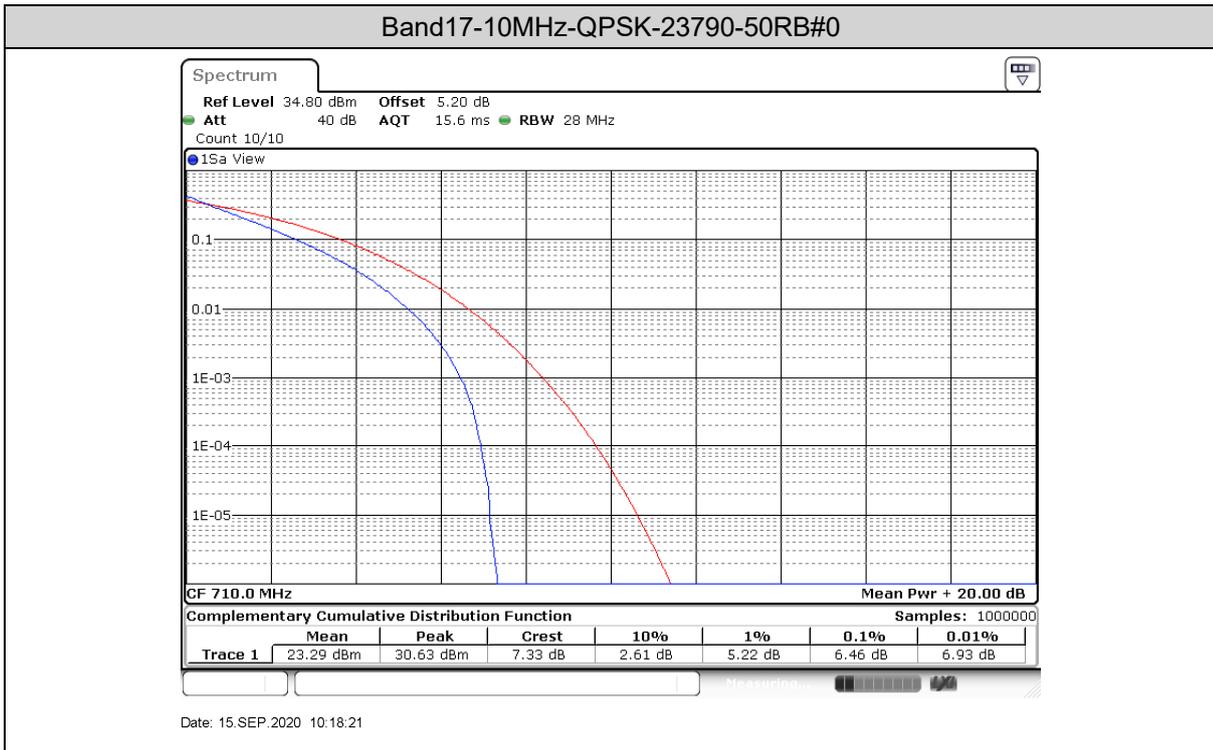
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 6.49 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 6.46 | 13 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 6.46 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 7.16 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 7.13 | 13 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 7.10 | 13 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 7.25 | 13 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 7.22 | 13 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 7.19 | 13 | PASS |

2.2 Test Plots



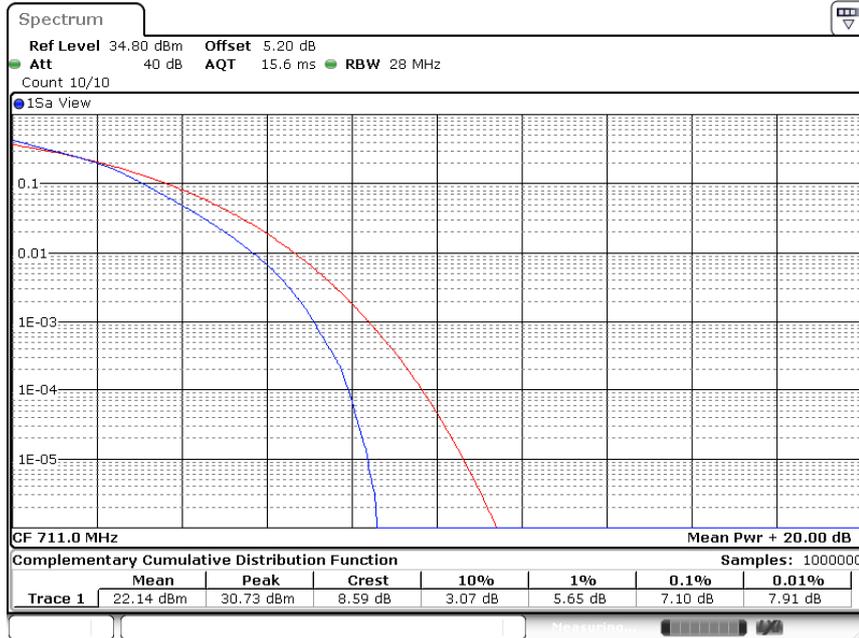
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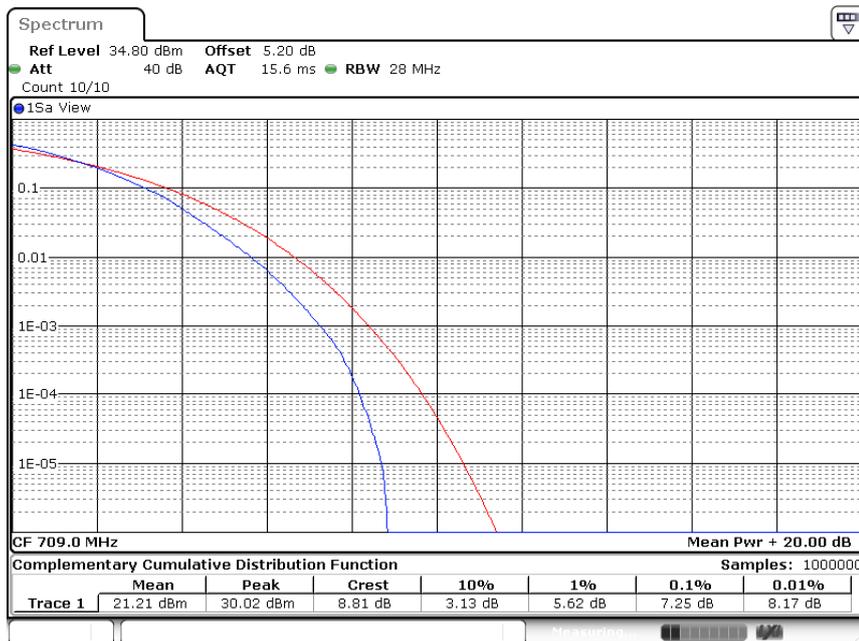
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Band17-10MHz-16QAM-23800-50RB#0



Date: 15.SEP.2020 10:19:03

Band17-10MHz-64QAM-23780-50RB#0

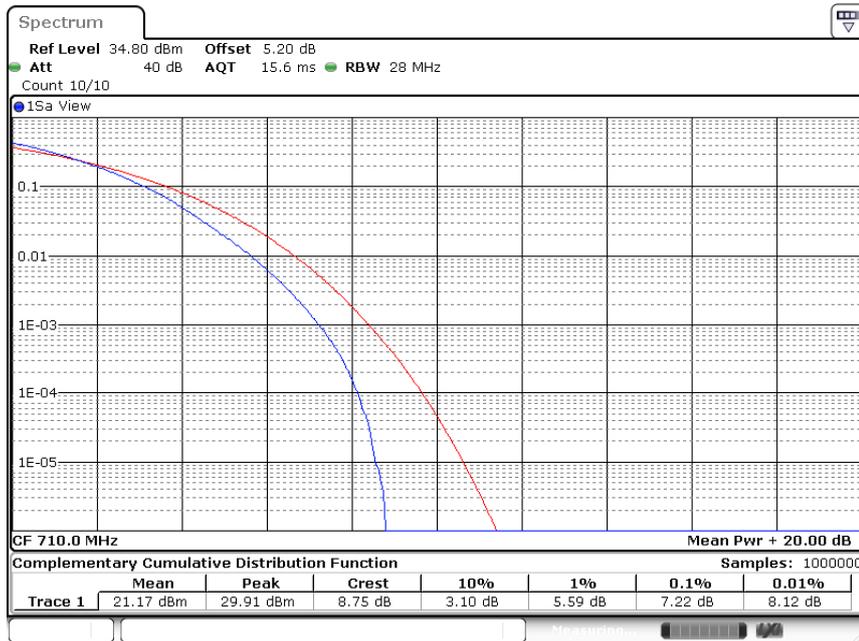


Date: 15.SEP.2020 11:35:28



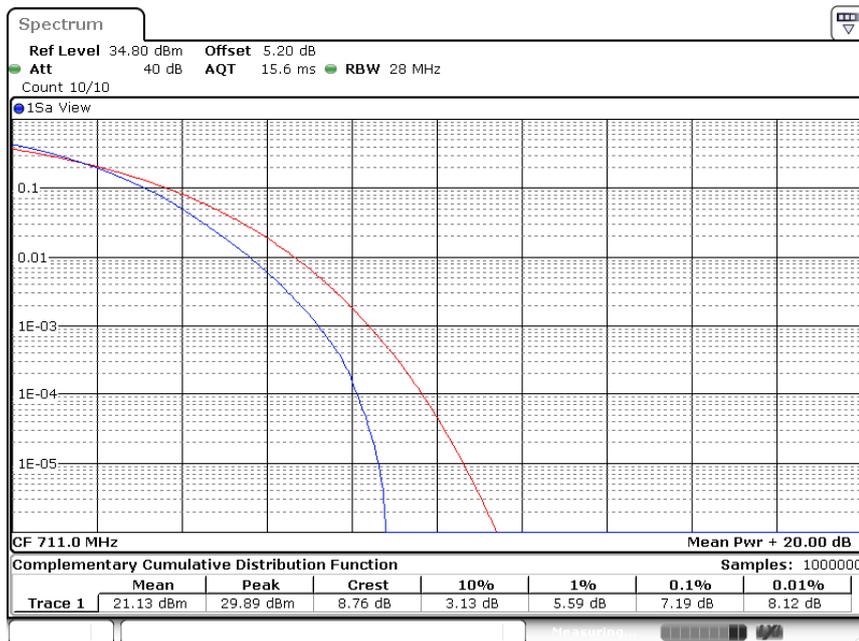
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Band17-10MHz-64QAM-23790-50RB#0



Date: 15.SEP.2020 11:35:42

Band17-10MHz-64QAM-23800-50RB#0



Date: 15.SEP.2020 11:35:57

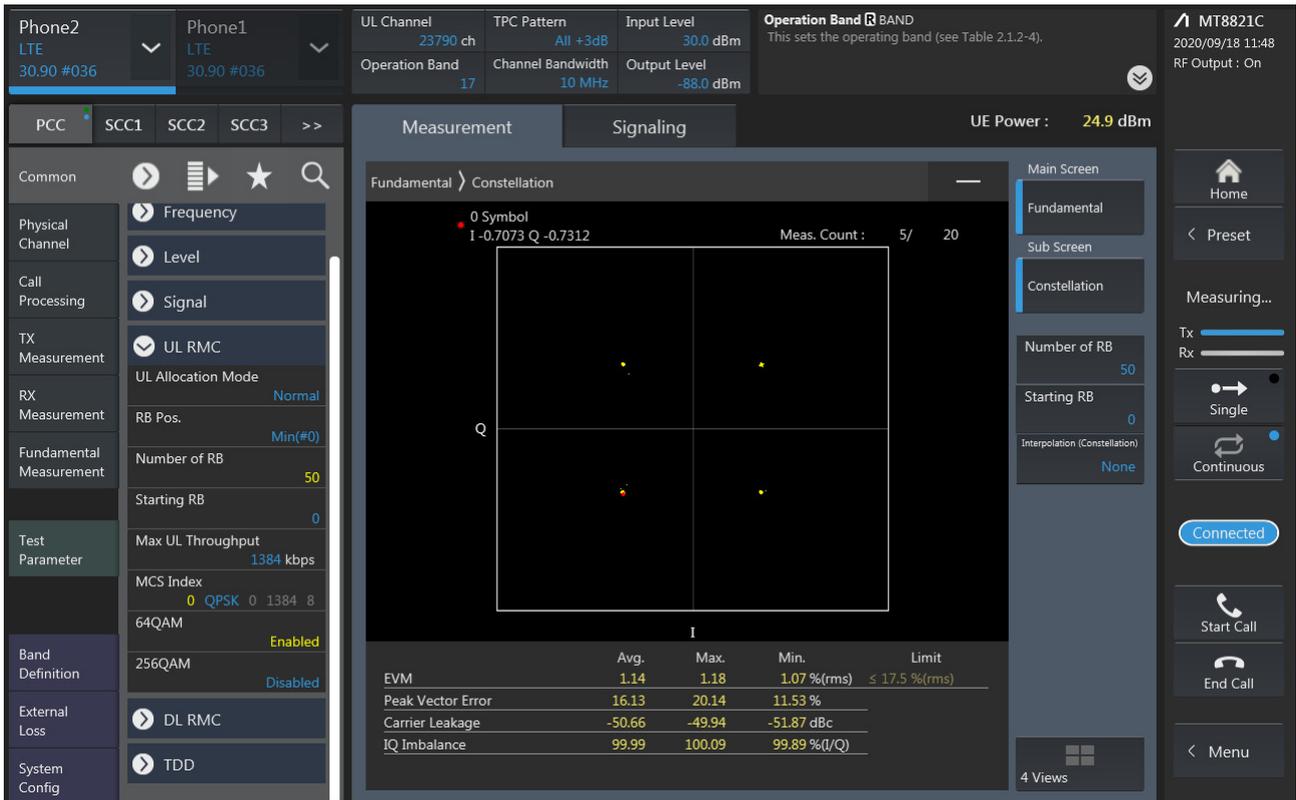


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3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 10MHz

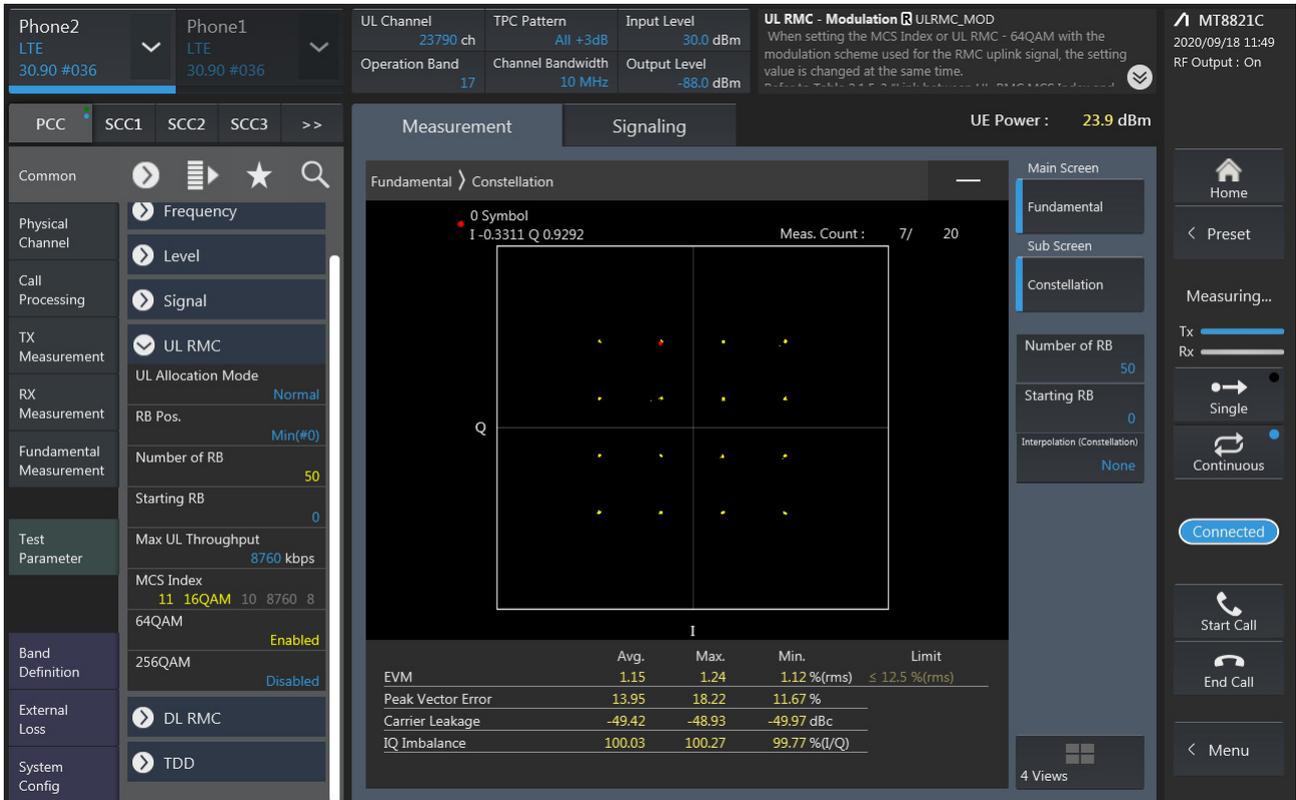
3.1.1 Test Channel = MCH



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3.2 Test Mode = LTE /TM2 10MHz

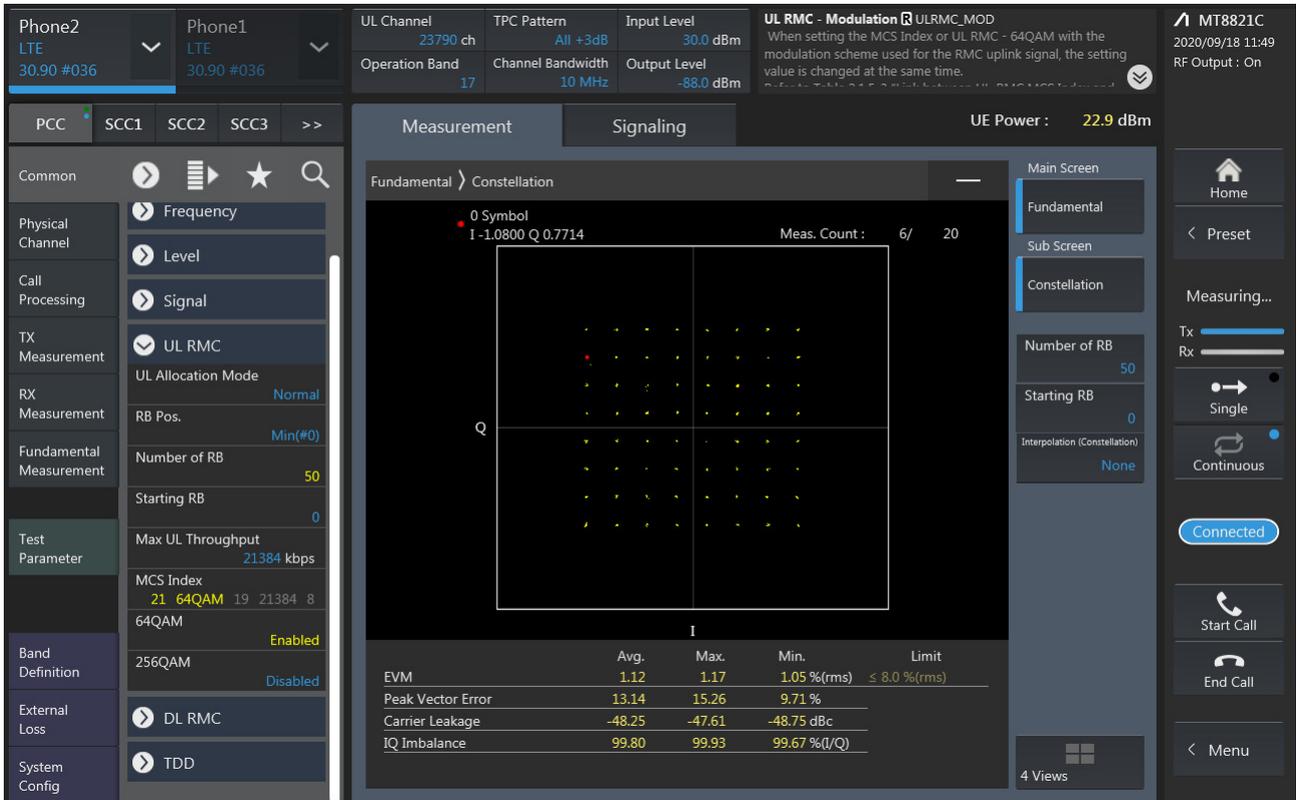
3.2.1 Test Channel = MCH



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3.3 Test Mode = LTE /TM3 10MHz

3.3.1 Test Channel = MCH



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4 26dB Bandwidth and Occupied Bandwidth

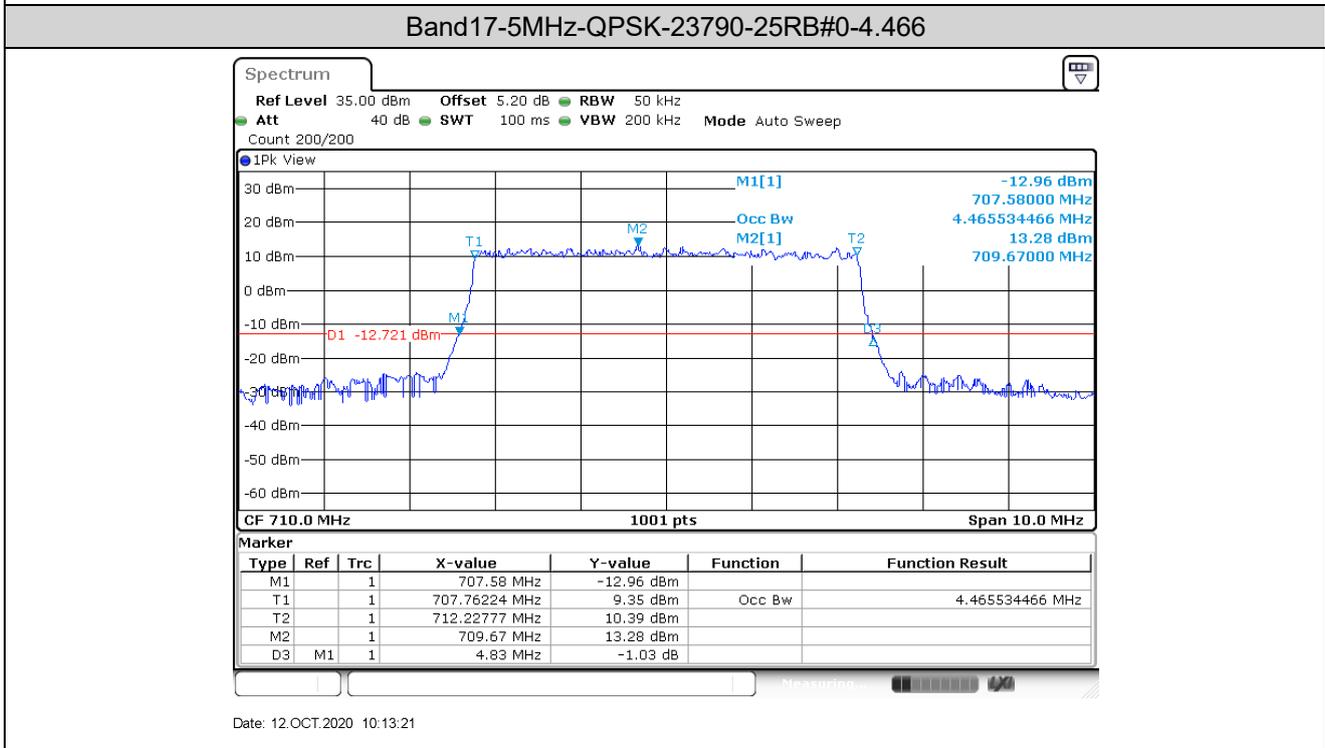
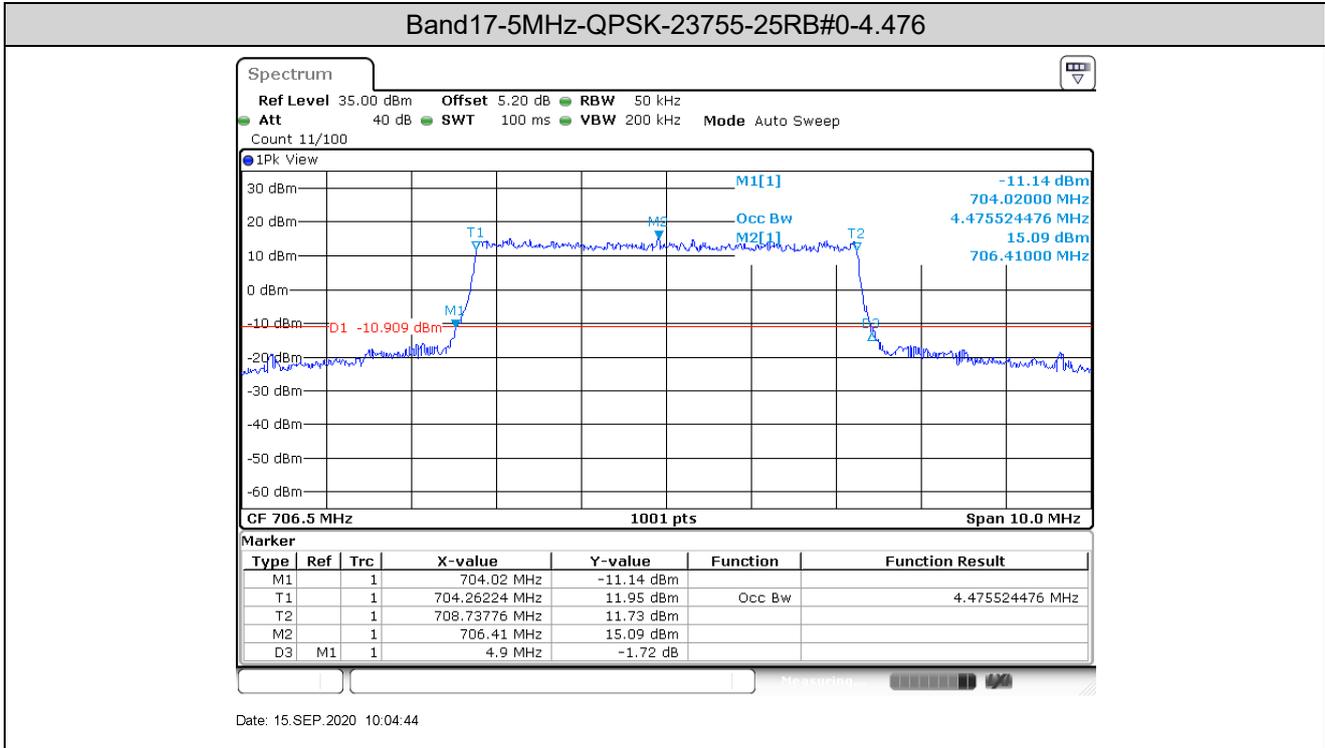
4.1 Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band17 | 5MHz | QPSK | 23755 | 25RB#0 | 4.476 | 4.900 | PASS |
| Band17 | 5MHz | QPSK | 23790 | 25RB#0 | 4.476 | 4.880 | PASS |
| Band17 | 5MHz | QPSK | 23825 | 25RB#0 | 4.476 | 4.850 | PASS |
| Band17 | 5MHz | 16QAM | 23755 | 25RB#0 | 4.486 | 4.880 | PASS |
| Band17 | 5MHz | 16QAM | 23790 | 25RB#0 | 4.486 | 5.220 | PASS |
| Band17 | 5MHz | 16QAM | 23825 | 25RB#0 | 4.476 | 4.880 | PASS |
| Band17 | 5MHz | 64QAM | 23755 | 25RB#0 | 4.476 | 4.920 | PASS |
| Band17 | 5MHz | 64QAM | 23790 | 25RB#0 | 4.476 | 4.860 | PASS |
| Band17 | 5MHz | 64QAM | 23825 | 25RB#0 | 4.466 | 4.850 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | 8.952 | 9.700 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | 8.918 | 9.700 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | 8.918 | 9.700 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | 8.952 | 9.700 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | 8.952 | 9.667 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | 8.918 | 9.667 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | 8.918 | 9.633 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | 8.918 | 9.600 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | 8.918 | 9.633 | PASS |



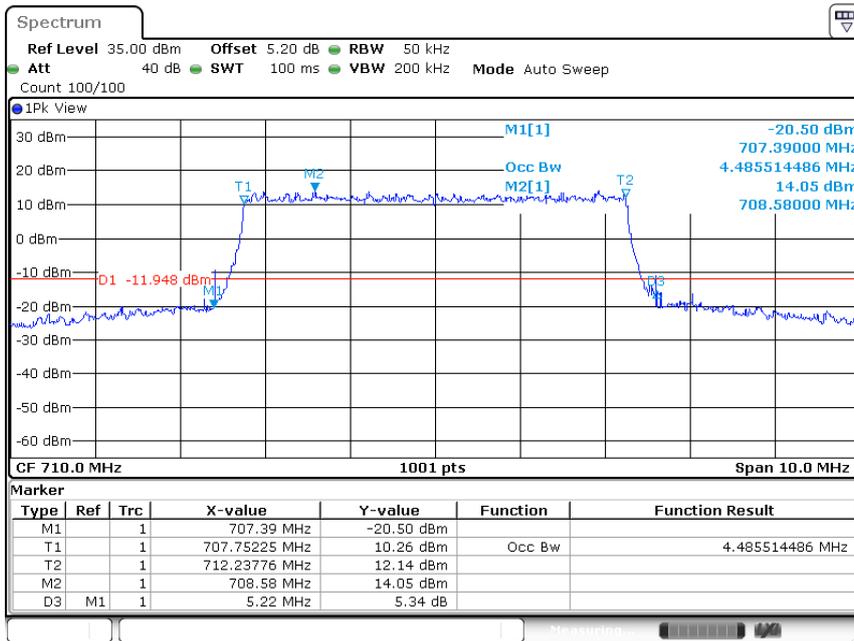
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4.2 Test Plots



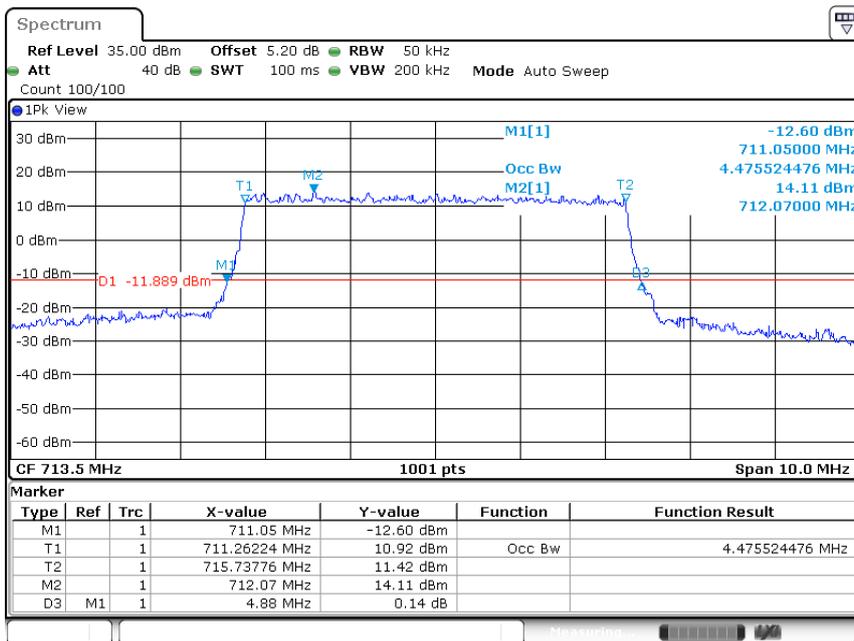
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Band17-5MHz-16QAM-23790-25RB#0-4.486



Date: 15.SEP.2020 10:05:53

Band17-5MHz-16QAM-23825-25RB#0-4.476



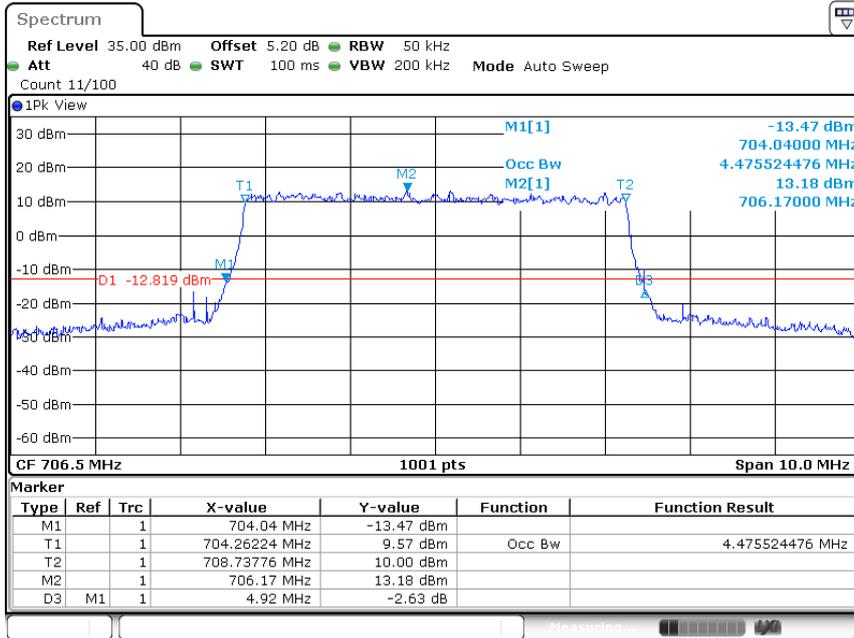
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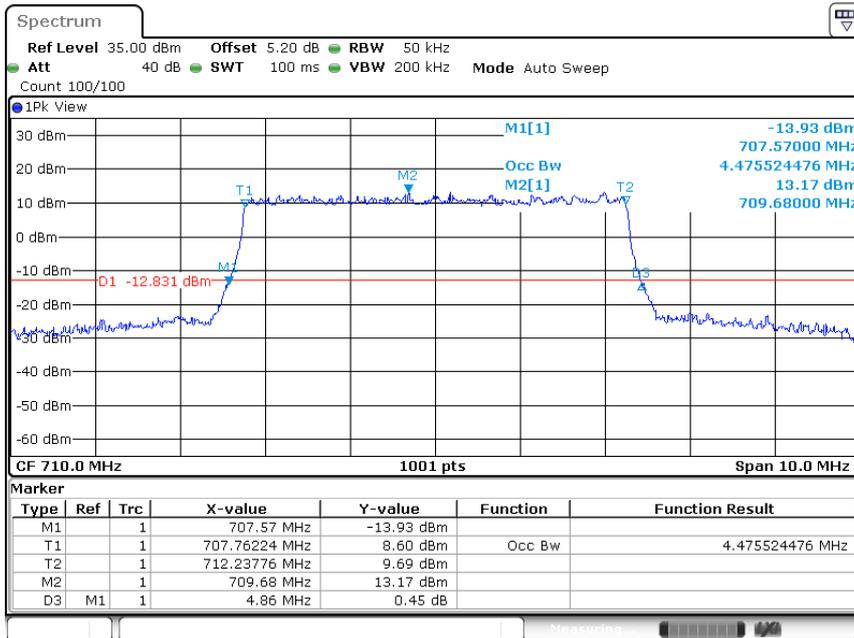
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Band17-5MHz-64QAM-23755-25RB#0-4.476



Date: 15.SEP.2020 11:28:52

Band17-5MHz-64QAM-23790-25RB#0-4.476

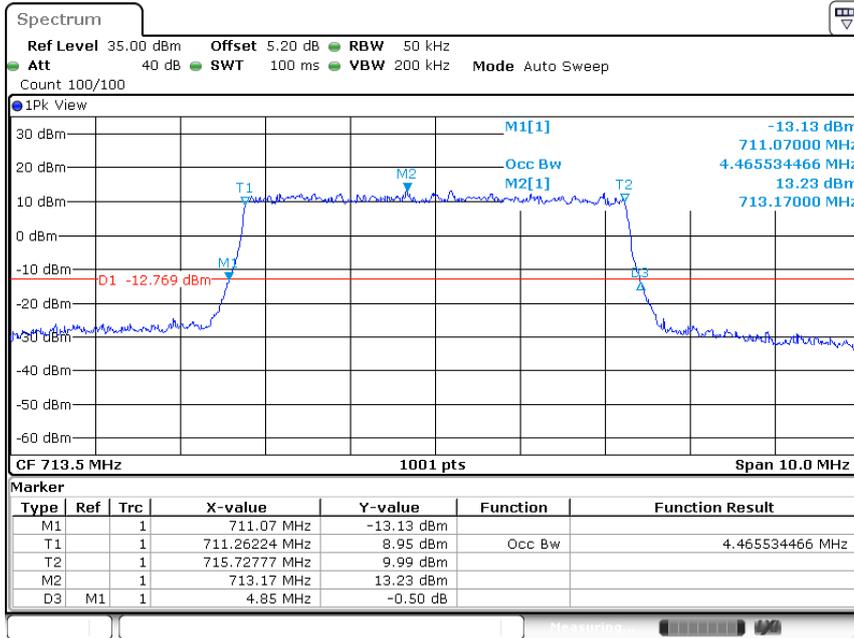


Date: 15.SEP.2020 11:29:15



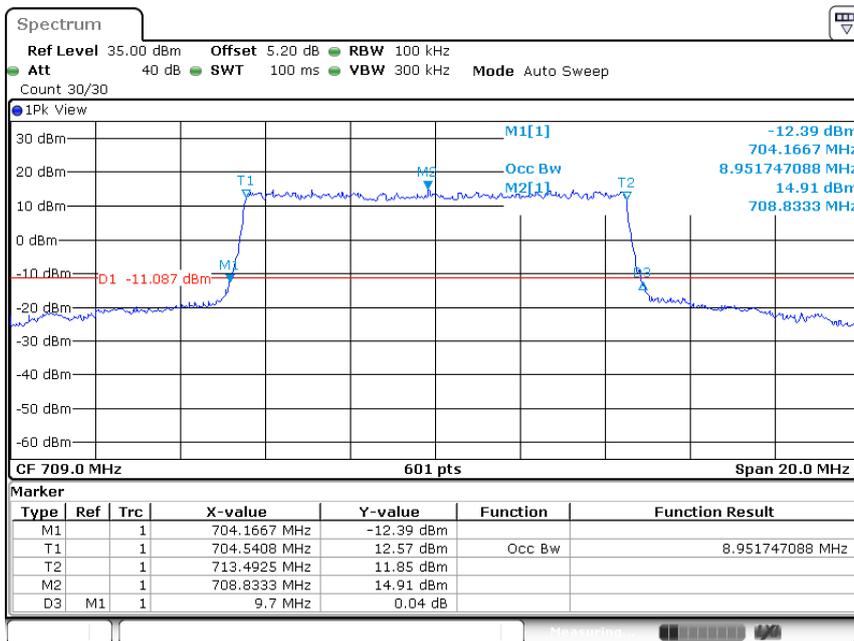
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Band17-5MHz-64QAM-23825-25RB#0-4.466



Date: 15.SEP.2020 11:29:38

Band17-10MHz-QPSK-23780-50RB#0-8.952

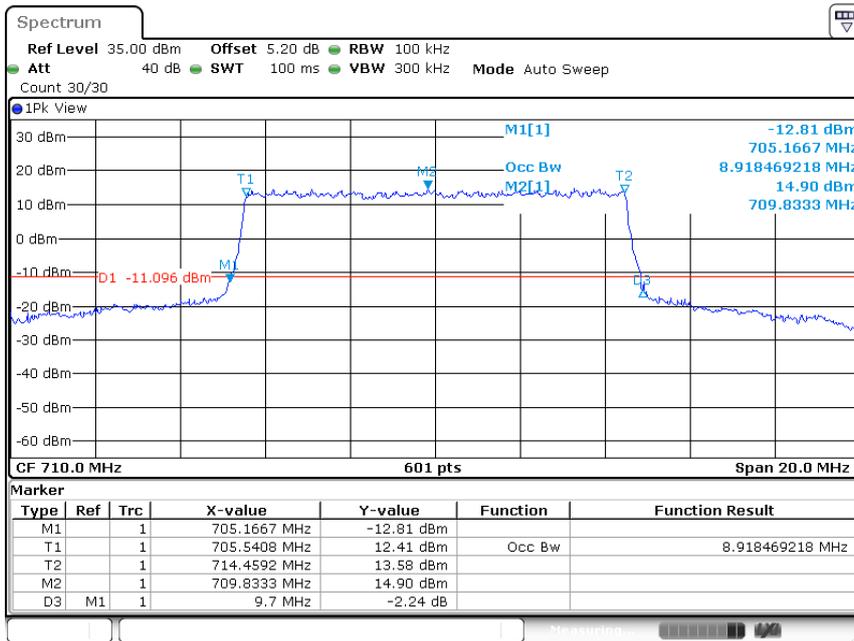


Date: 15.SEP.2020 10:07:01



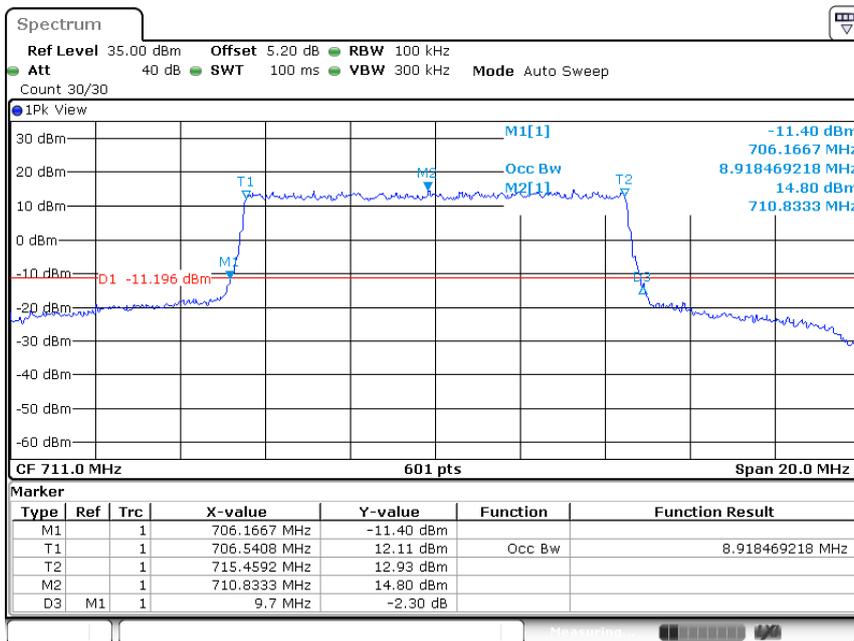
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Band17-10MHz-QPSK-23790-50RB#0-8.918



Date: 15.SEP.2020 10:07:34

Band17-10MHz-QPSK-23800-50RB#0-8.918

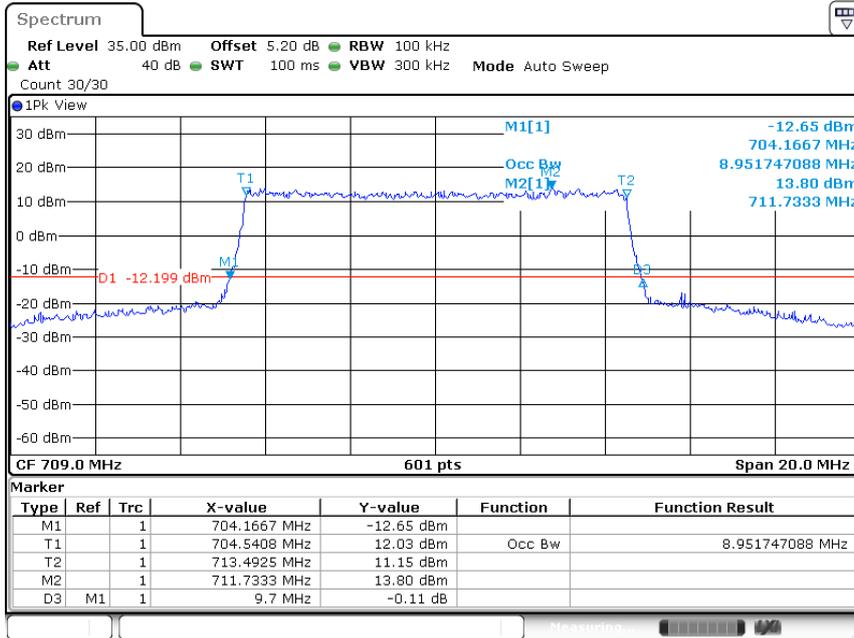


Date: 15.SEP.2020 10:08:05



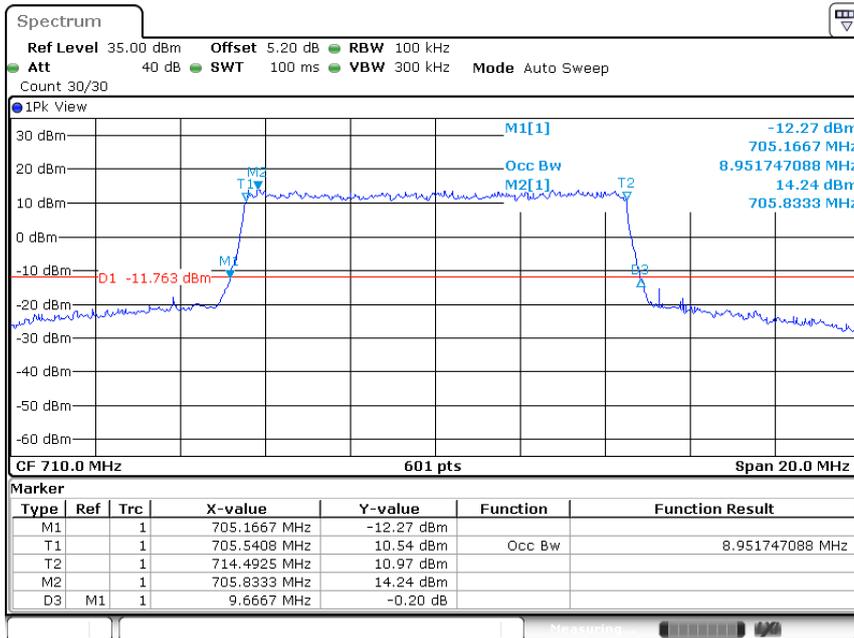
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Band17-10MHz-16QAM-23780-50RB#0-8.952



Date: 15.SEP.2020 10:07:17

Band17-10MHz-16QAM-23790-50RB#0-8.952

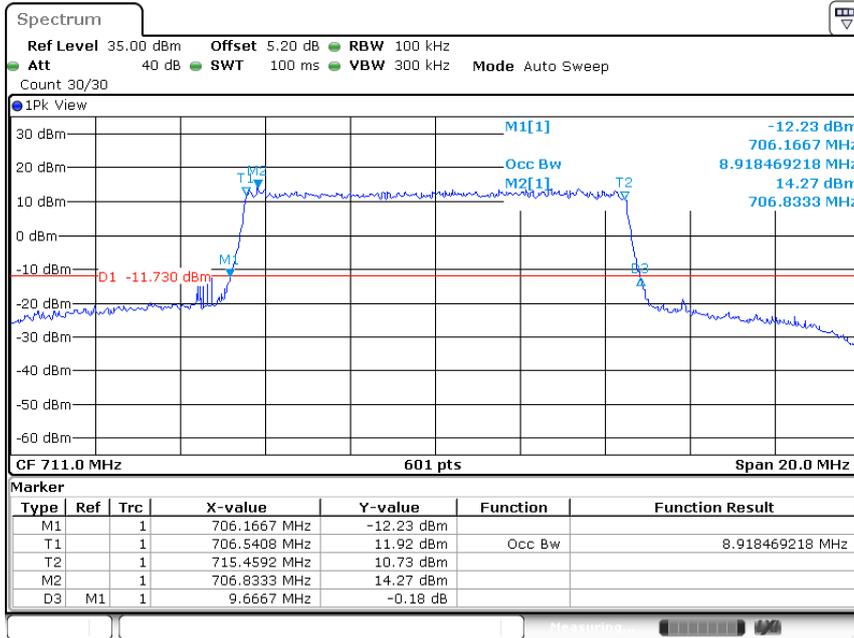


Date: 15.SEP.2020 10:07:49



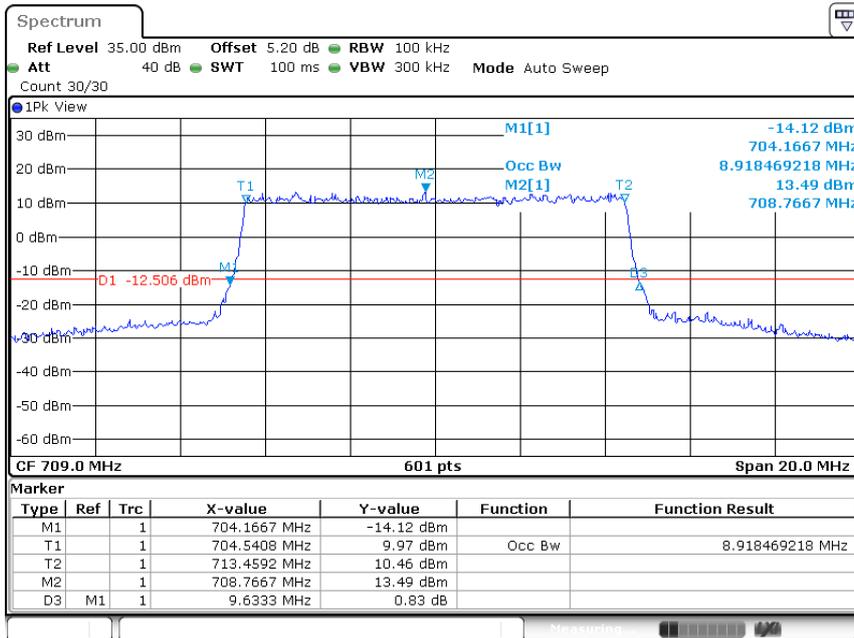
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Band17-10MHz-16QAM-23800-50RB#0-8.918



Date: 15.SEP.2020 10:08:22

Band17-10MHz-64QAM-23780-50RB#0-8.918

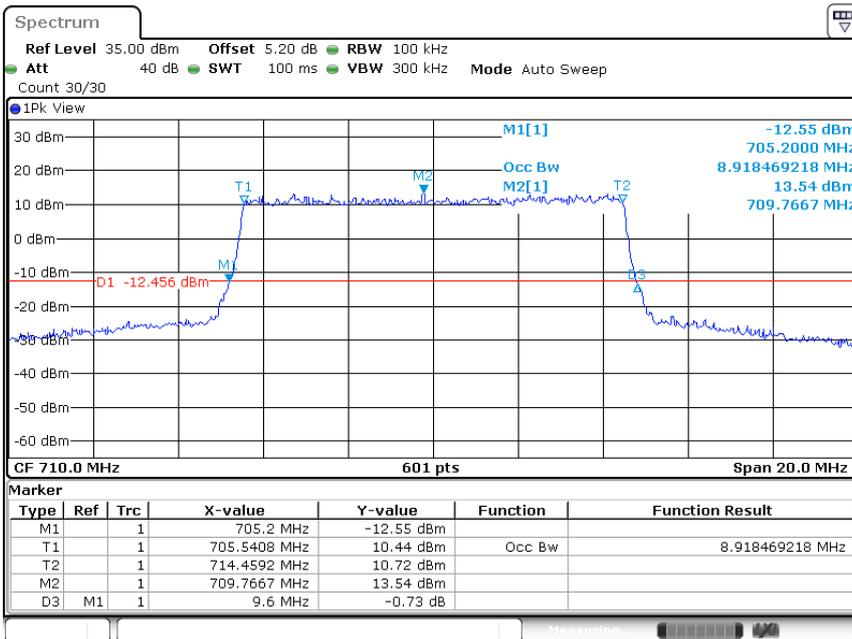


Date: 15.SEP.2020 11:29:59



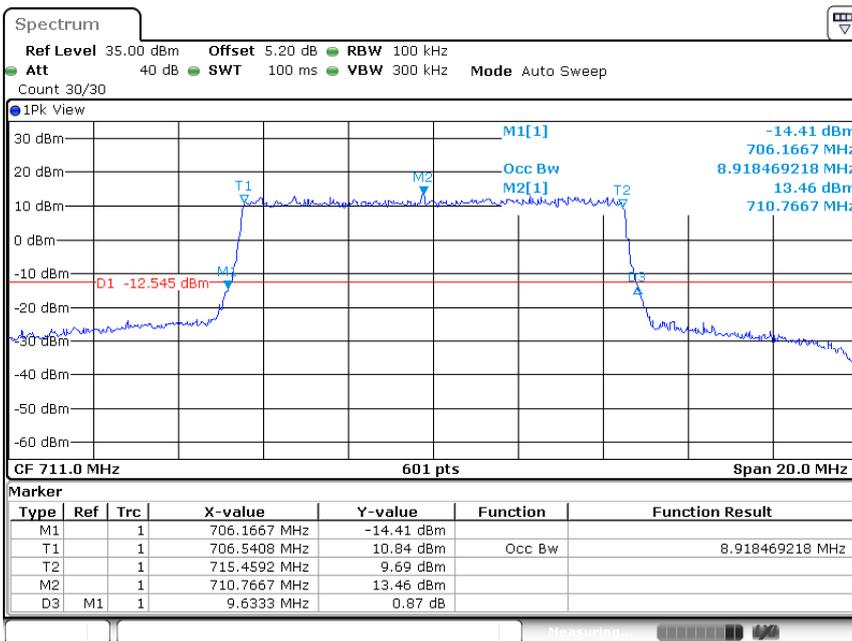
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Band17-10MHz-64QAM-23790-50RB#0-8.918



Date: 15.SEP.2020 11:30:15

Band17-10MHz-64QAM-23800-50RB#0-8.918



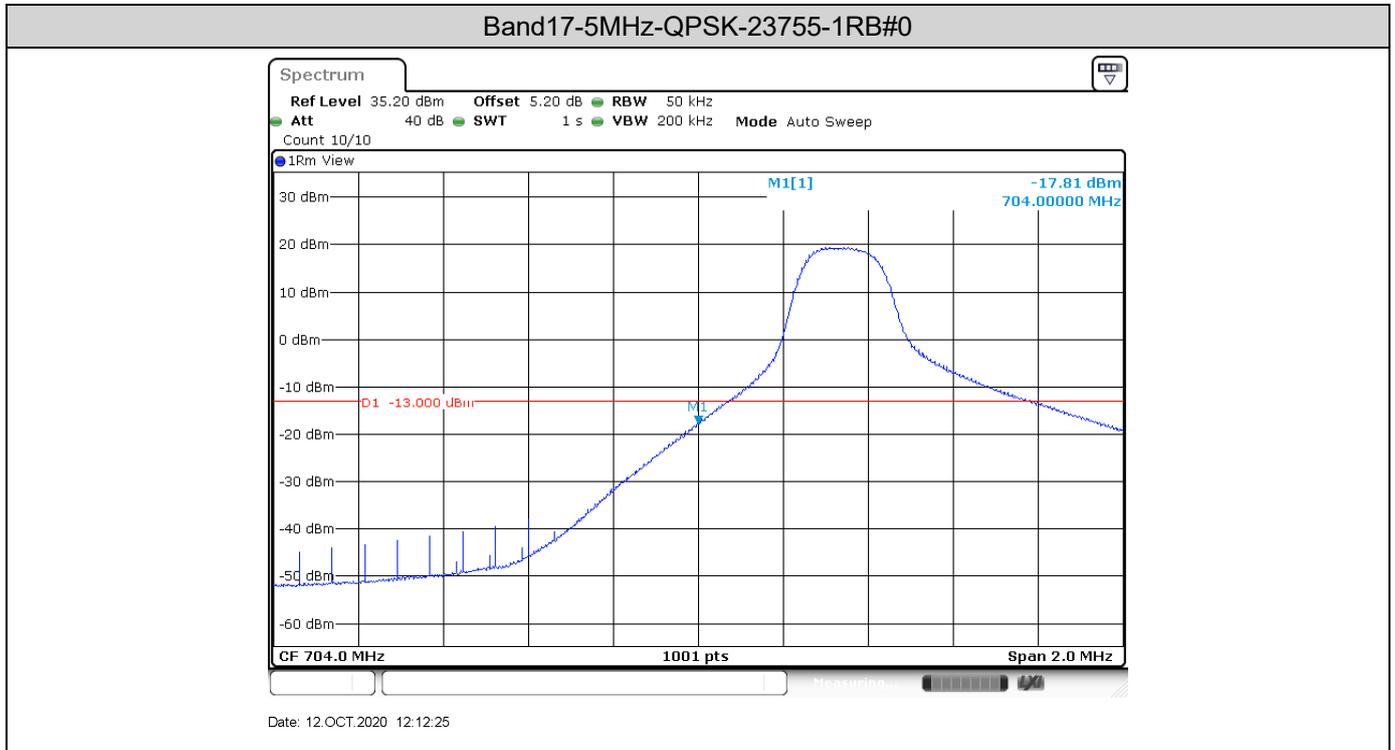
Date: 15.SEP.2020 11:30:31



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5 Band Edge Compliance

5.1 Test Plots



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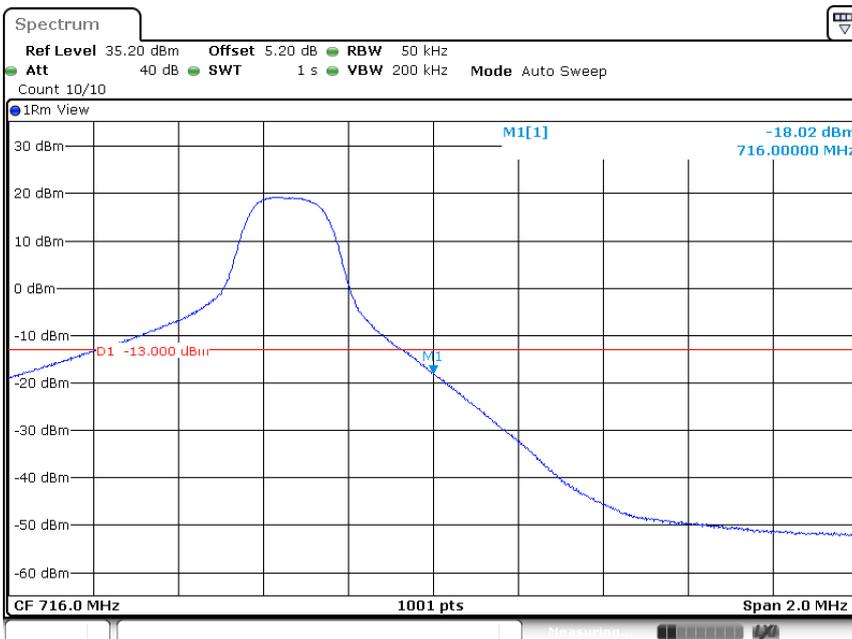
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Band17-5MHz-QPSK-23755-25RB#0



Date: 12.OCT.2020 12:13:06

Band17-5MHz-QPSK-23825-1RB#24



Date: 12.OCT.2020 12:13:52



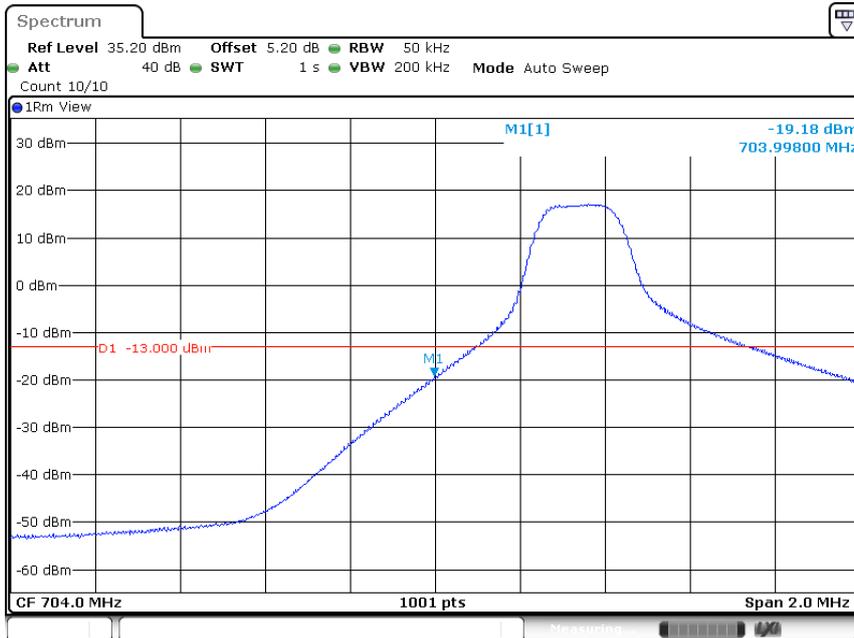
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Band17-5MHz-QPSK-23825-25RB#0



Date: 12.OCT.2020 12:14:33

Band17-5MHz-64QAM-23755-1RB#0

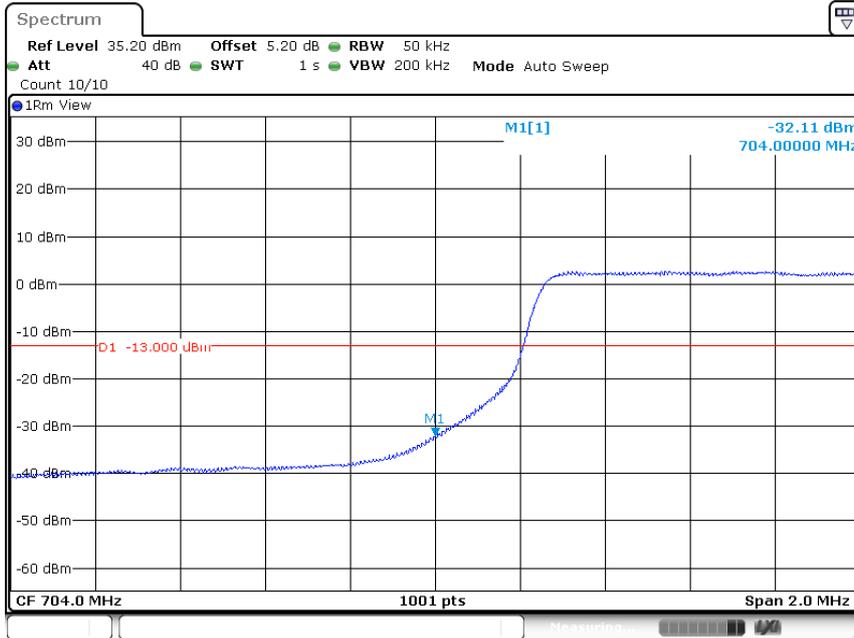


Date: 12.OCT.2020 12:29:25



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Band17-5MHz-64QAM-23755-25RB#0



Date: 12.OCT.2020 12:29:46

Band17-5MHz-64QAM-23825-1RB#24

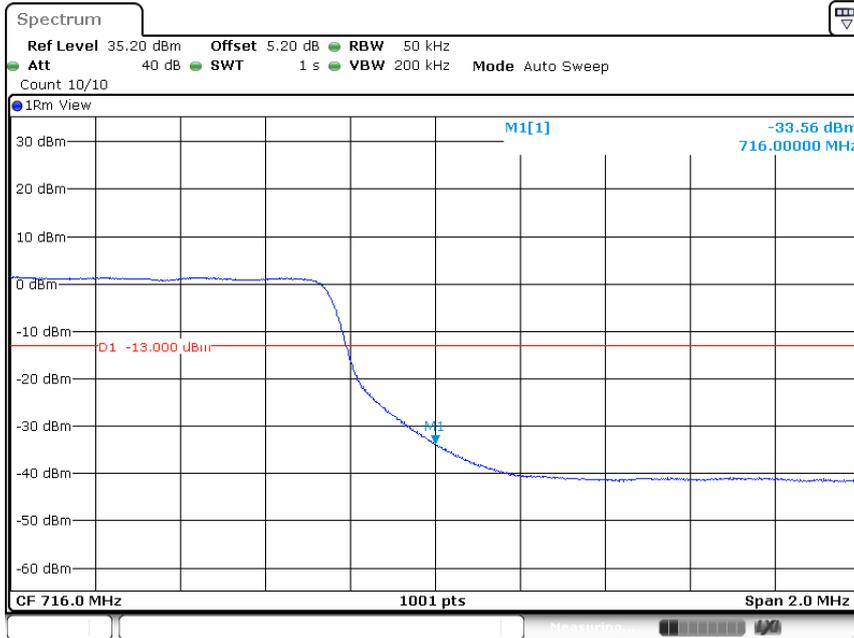


Date: 12.OCT.2020 12:30:11



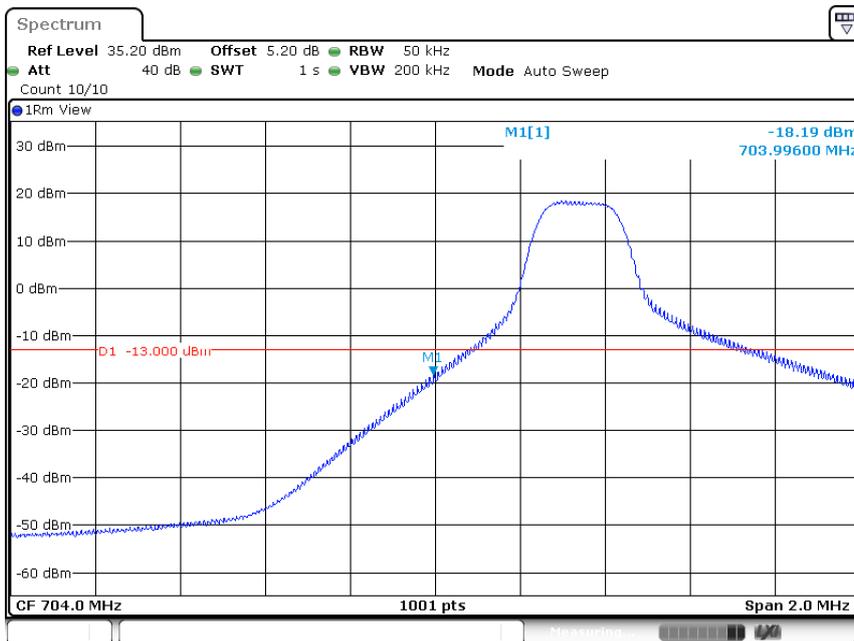
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Band17-5MHz-64QAM-23825-25RB#0



Date: 12.OCT.2020 12:30:31

Band17-5MHz-16QAM-23755-1RB#0



Date: 12.OCT.2020 12:12:46



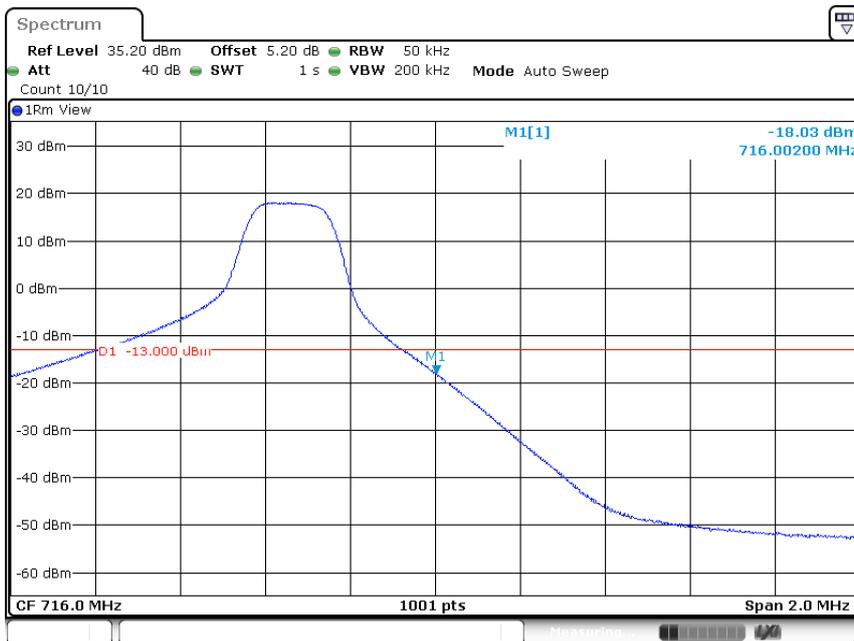
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Band17-5MHz-16QAM-23755-25RB#0



Date: 12.OCT.2020 12:13:27

Band17-5MHz-16QAM-23825-1RB#24



Date: 12.OCT.2020 12:14:12



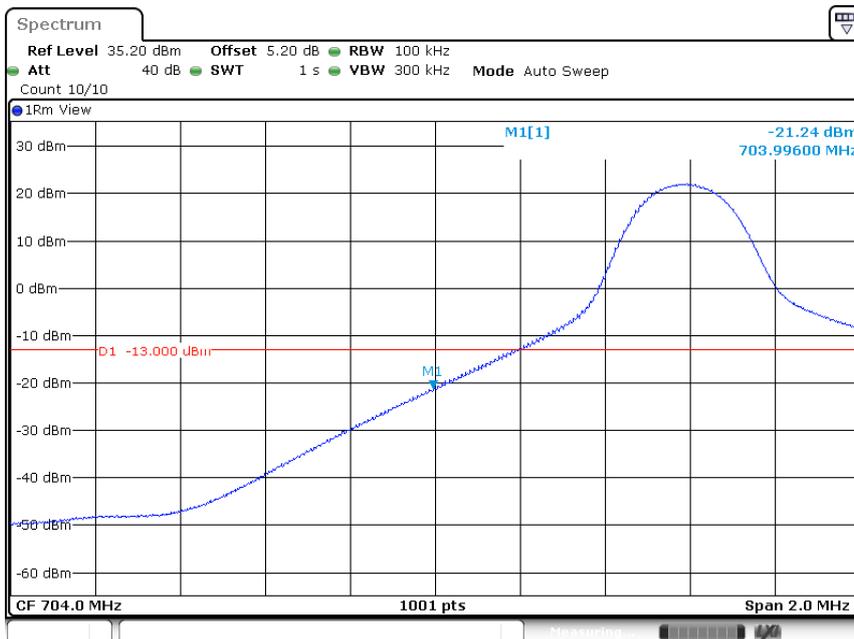
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Band17-5MHz-16QAM-23825-25RB#0



Date: 12.OCT.2020 12:14:53

Band17-10MHz-QPSK-23780-1RB#0



Date: 12.OCT.2020 12:15:18



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Band17-10MHz-QPSK-23780-50RB#0



Date: 12.OCT.2020 12:15:59

Band17-10MHz-QPSK-23800-1RB#49

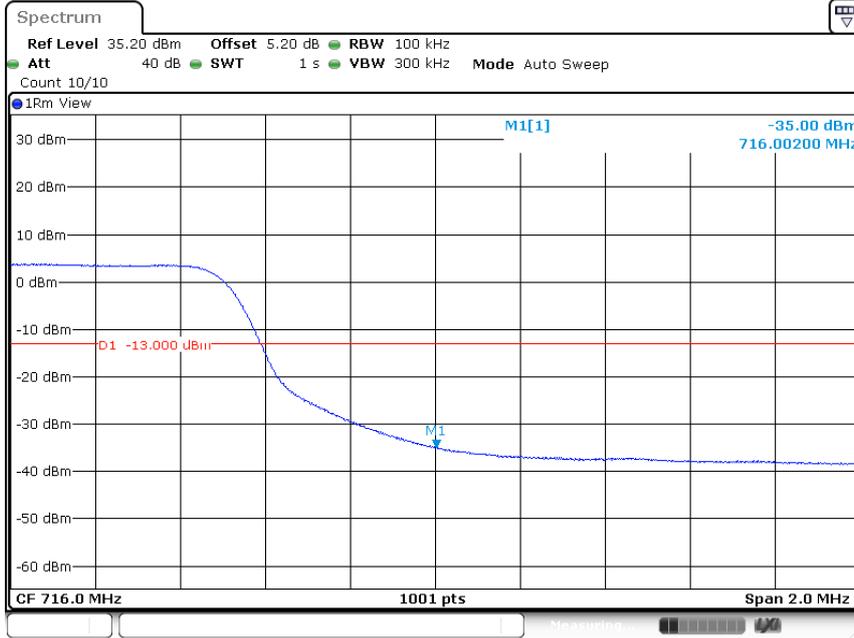


Date: 12.OCT.2020 12:16:45



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Band17-10MHz-QPSK-23800-50RB#0



Date: 12.OCT.2020 12:17:26

Band17-10MHz-64QAM-23780-1RB#0



Date: 12.OCT.2020 12:30:57



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Band17-10MHz-64QAM-23780-50RB#0



Date: 12.OCT.2020 12:31:17

Band17-10MHz-64QAM-23800-1RB#49



Date: 12.OCT.2020 12:31:43



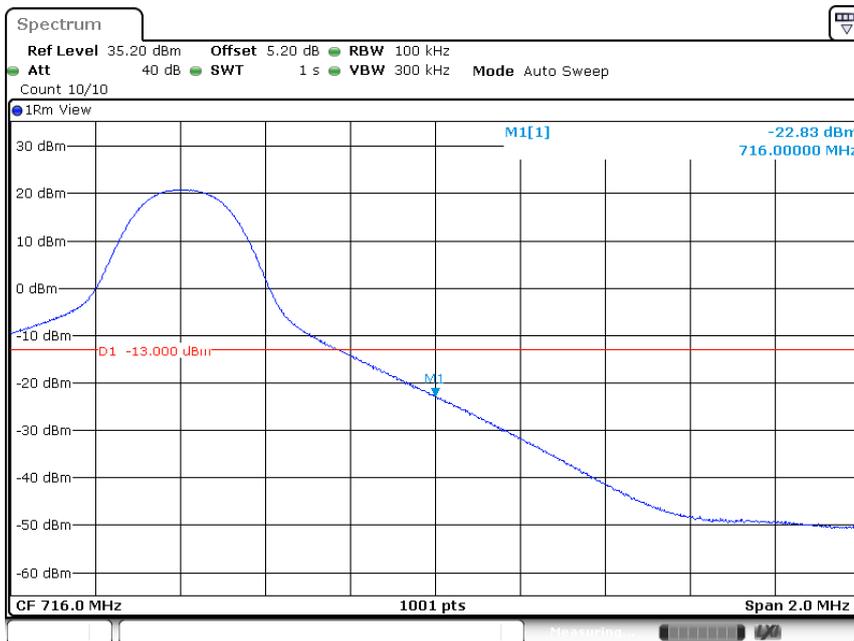
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Band17-10MHz-16QAM-23780-50RB#0



Date: 12.OCT.2020 12:16:20

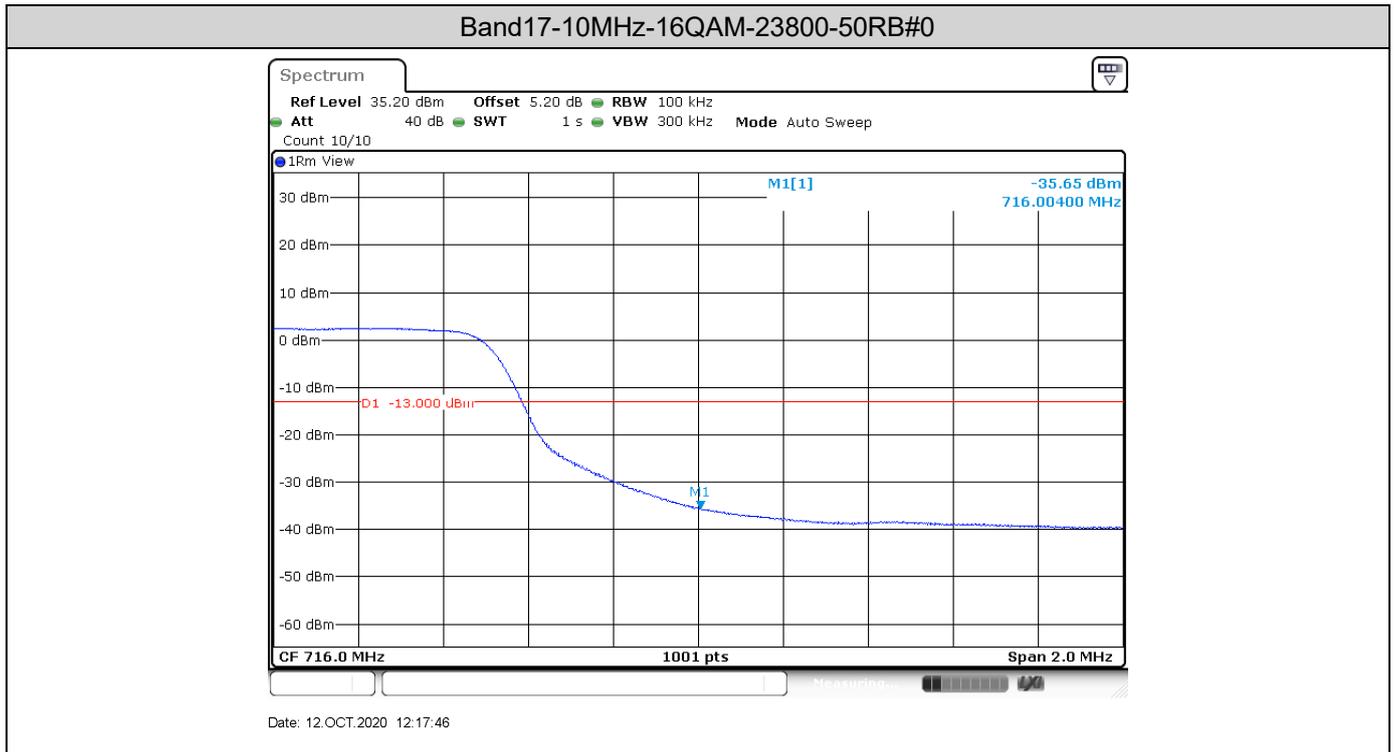
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Date: 12.OCT.2020 12:17:05



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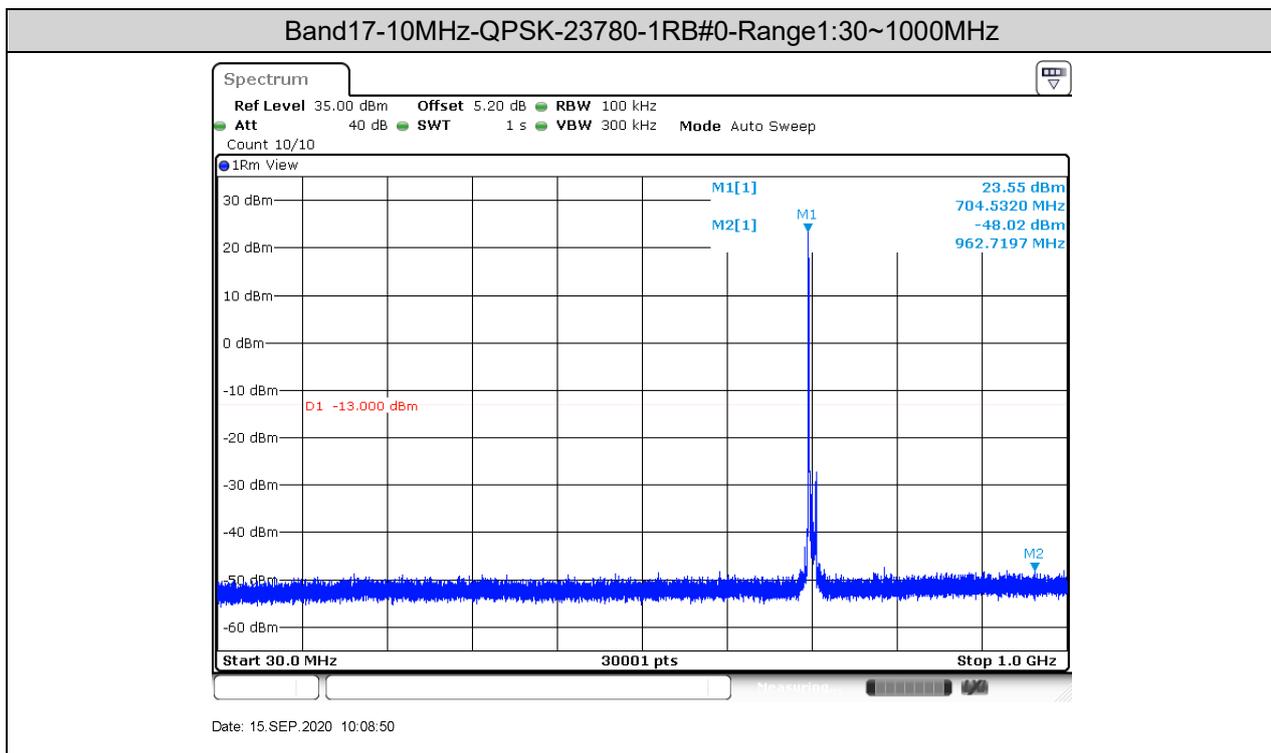
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6 Spurious Emission at Antenna Terminal

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.

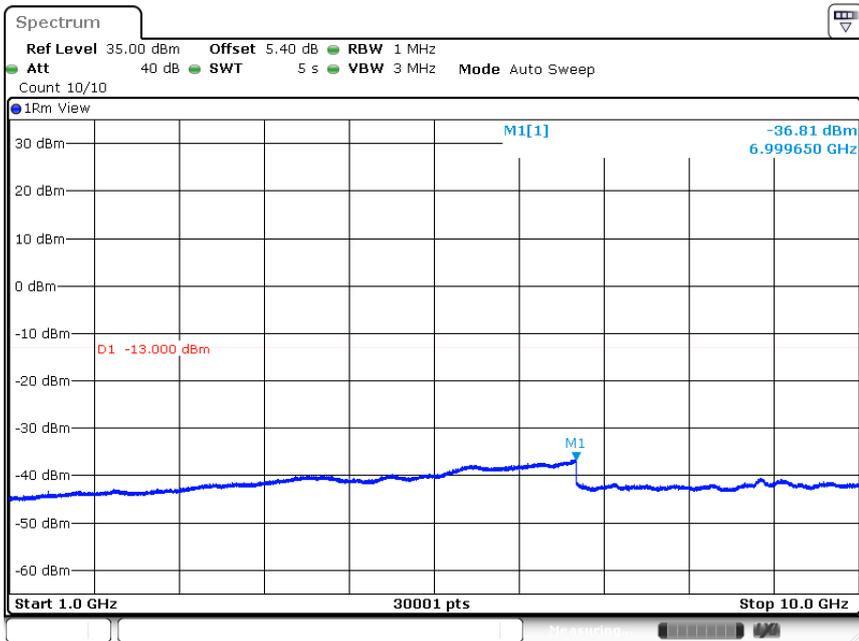
Remark2: only the worst case data displayed in this report.

6.1 Test Plots



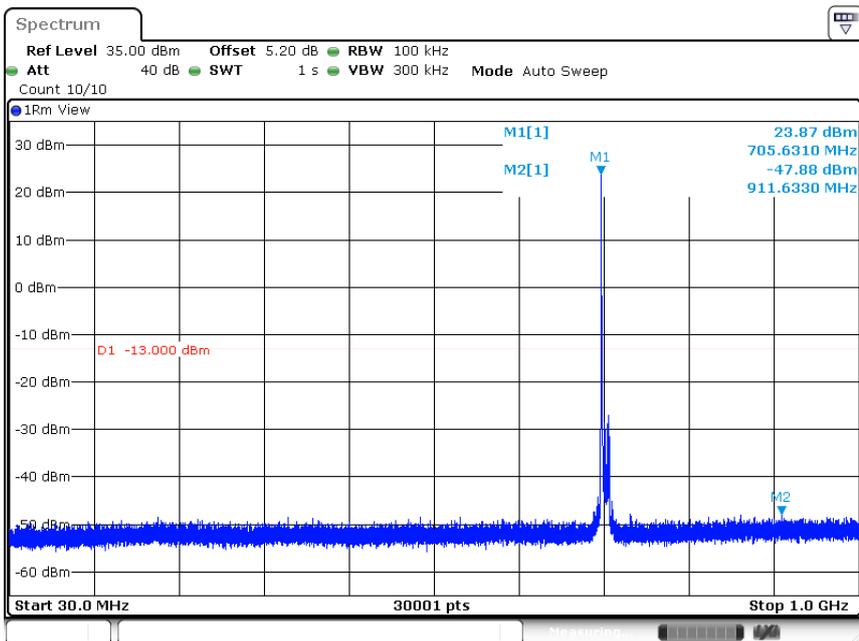
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Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 10:09:58

Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz

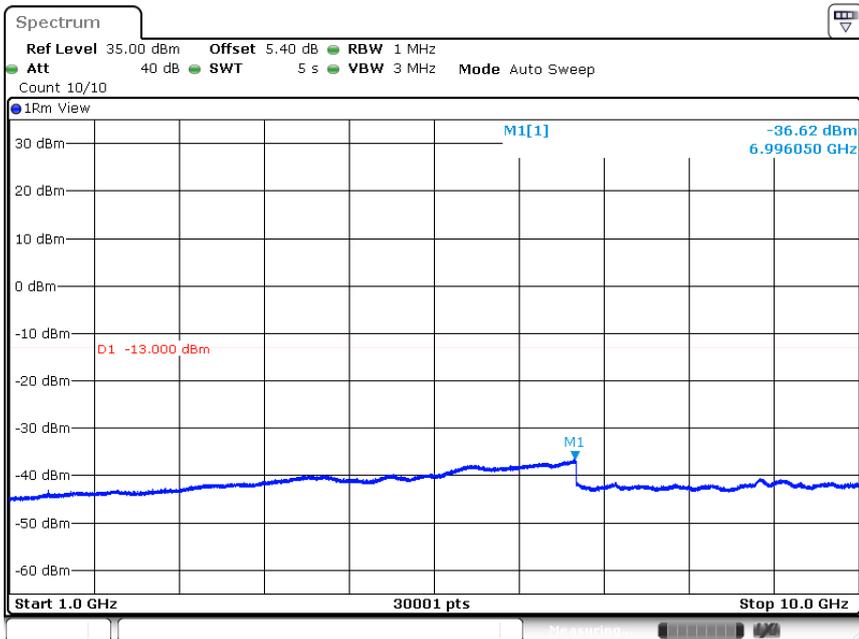


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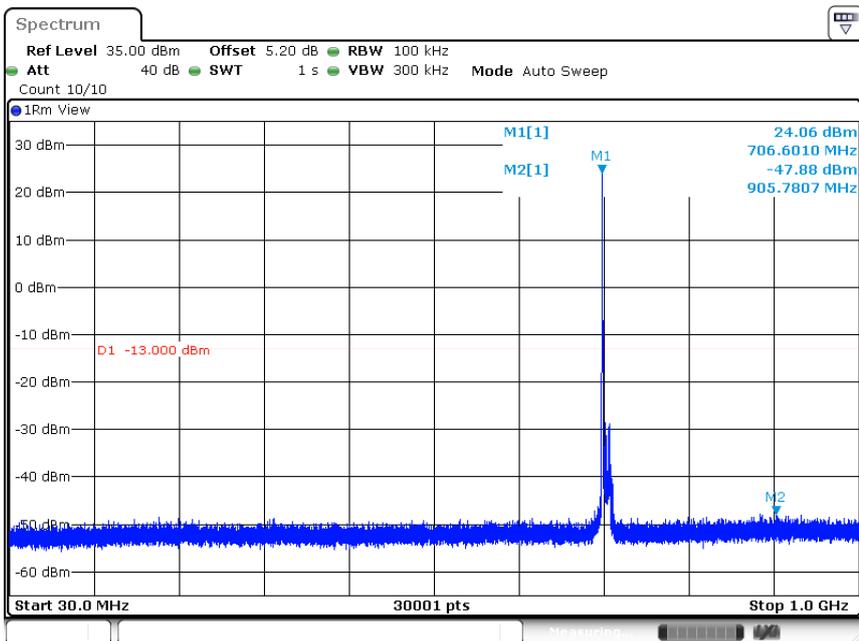
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Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 10:13:00

Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz

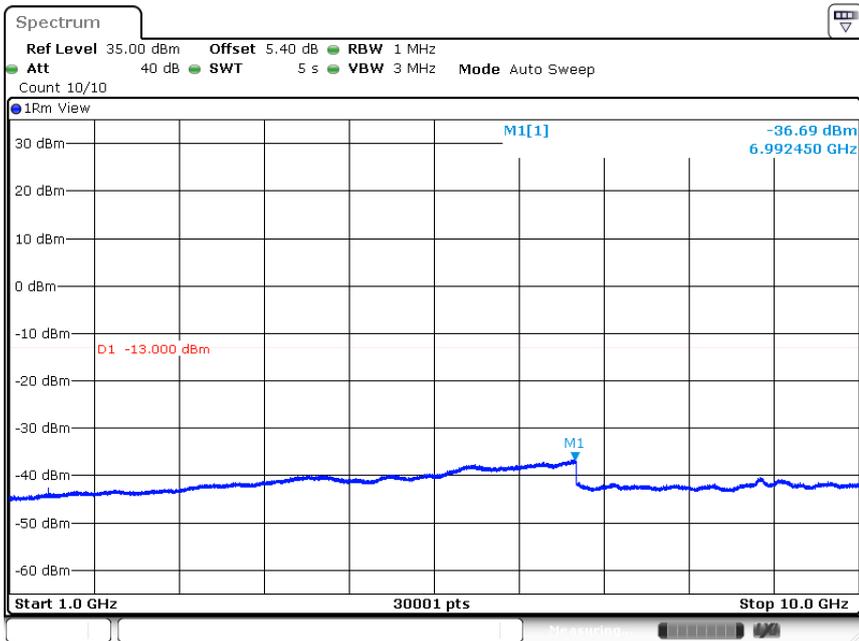


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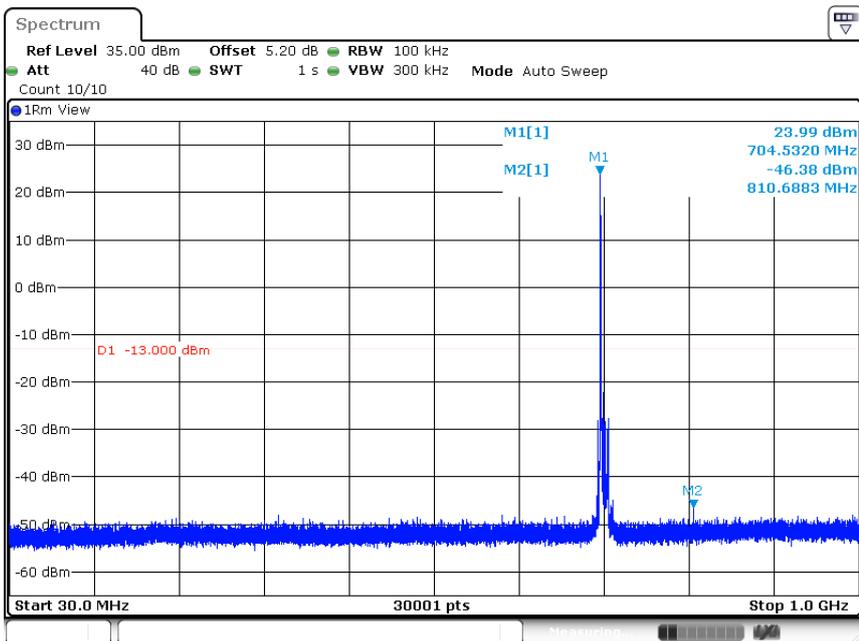
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Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 10:16:03

Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz

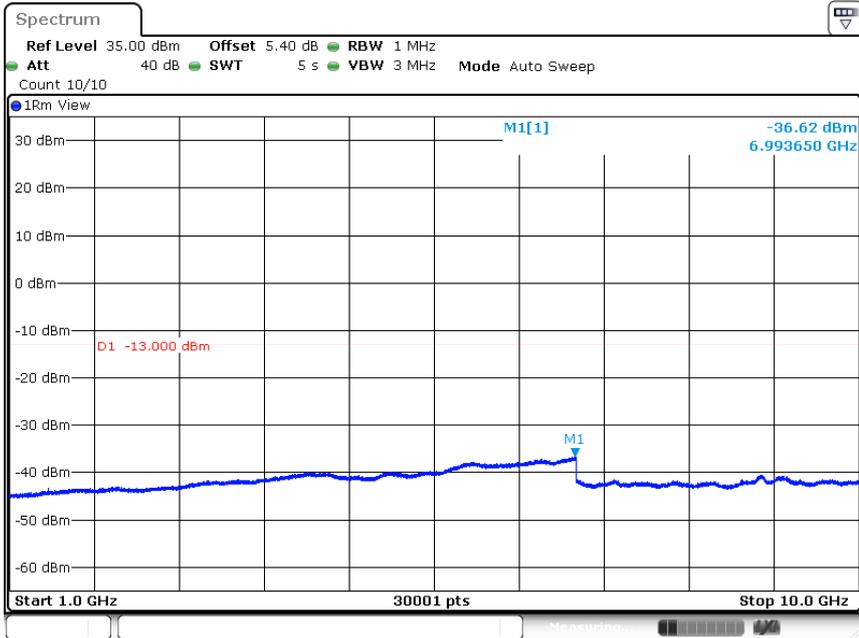


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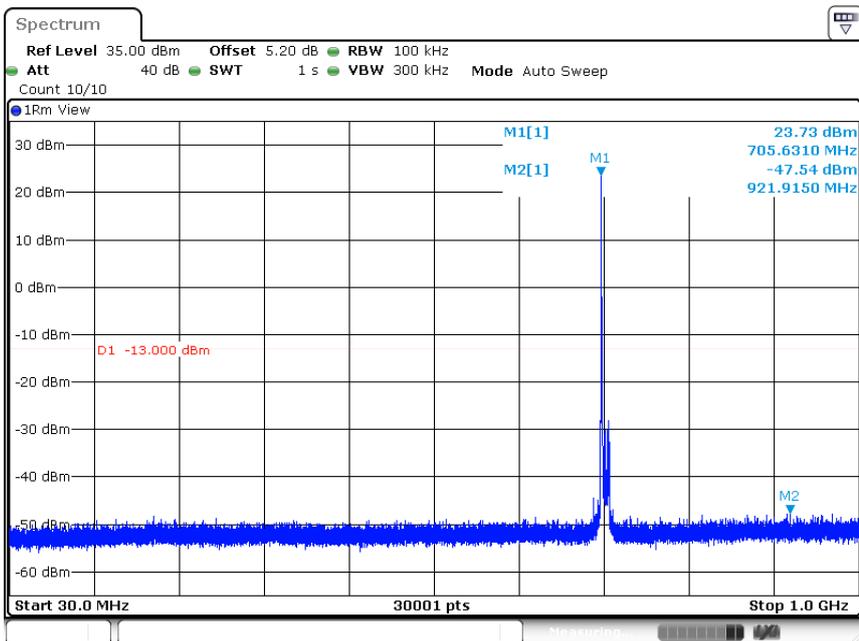
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Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 10:11:29

Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz

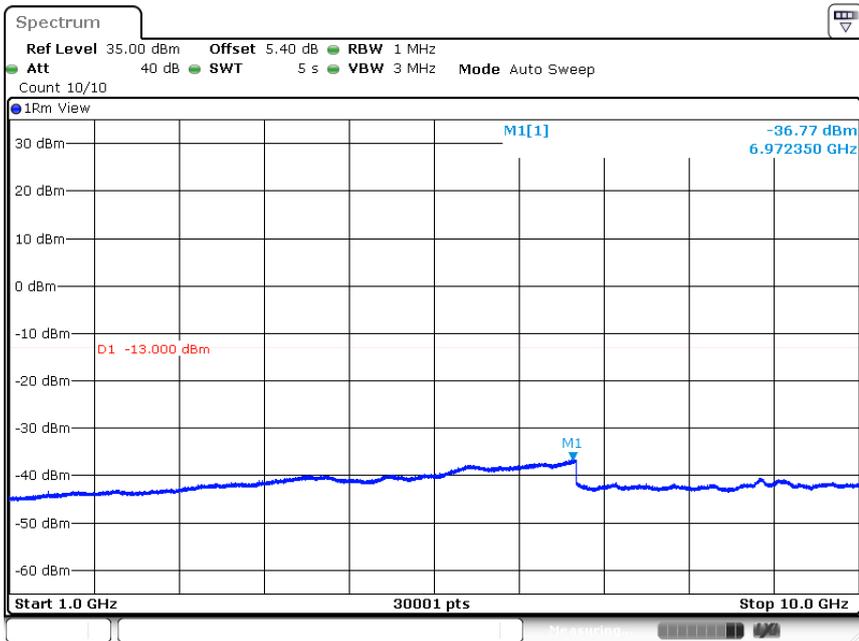


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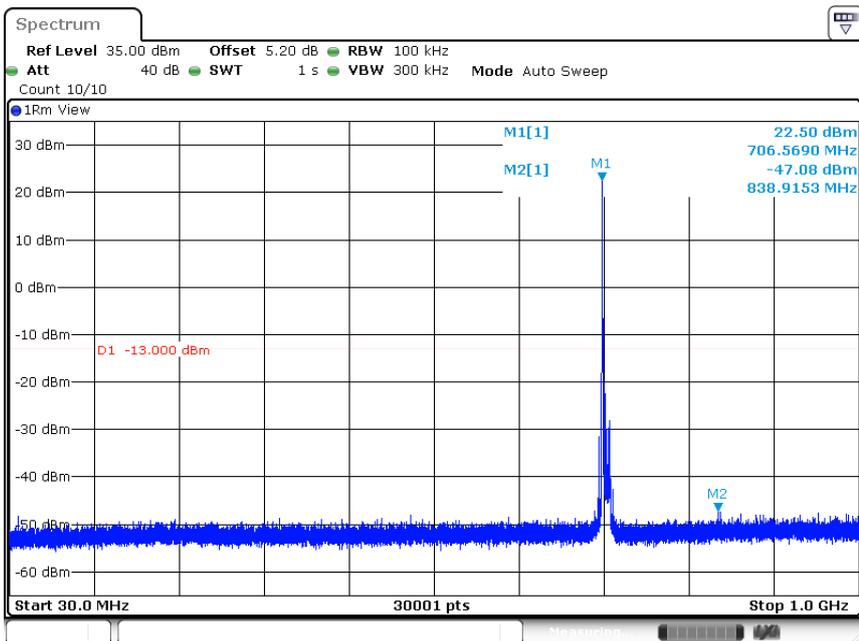
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Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 10:14:32

Band17-10MHz-16QAM-23800-1RB#0-Range1:30~1000MHz

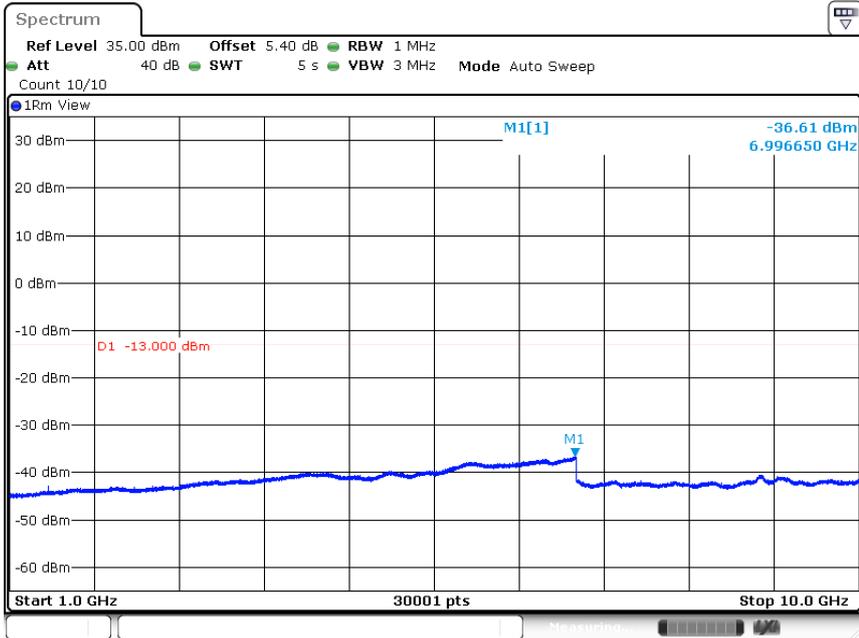


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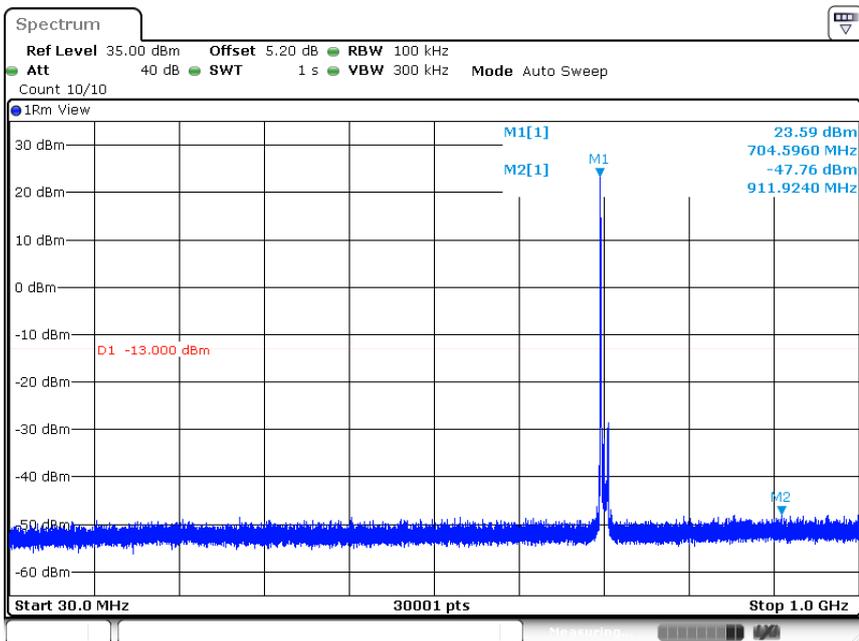
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Band17-10MHz-16QAM-23800-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 10:17:33

Band17-10MHz-64QAM-23780-1RB#0-Range1:30~1000MHz

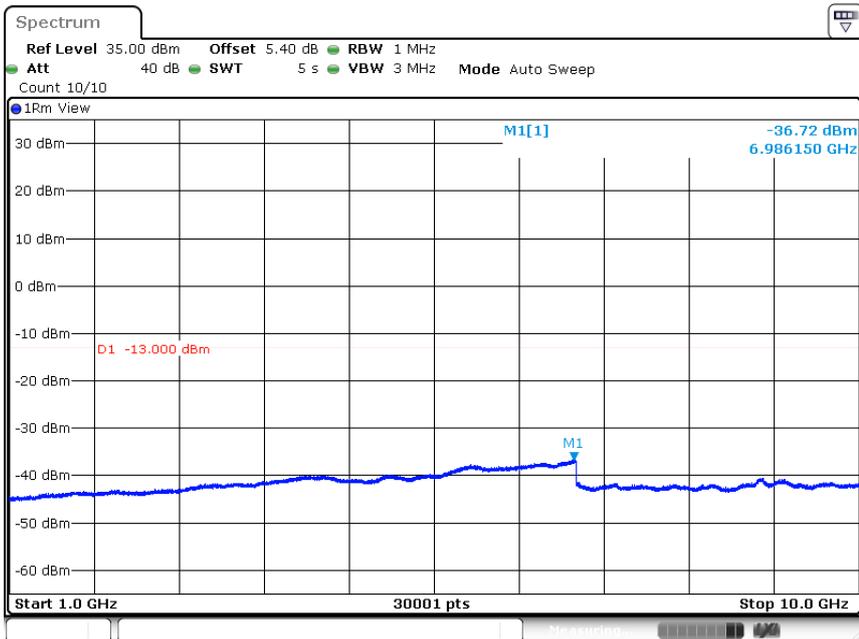


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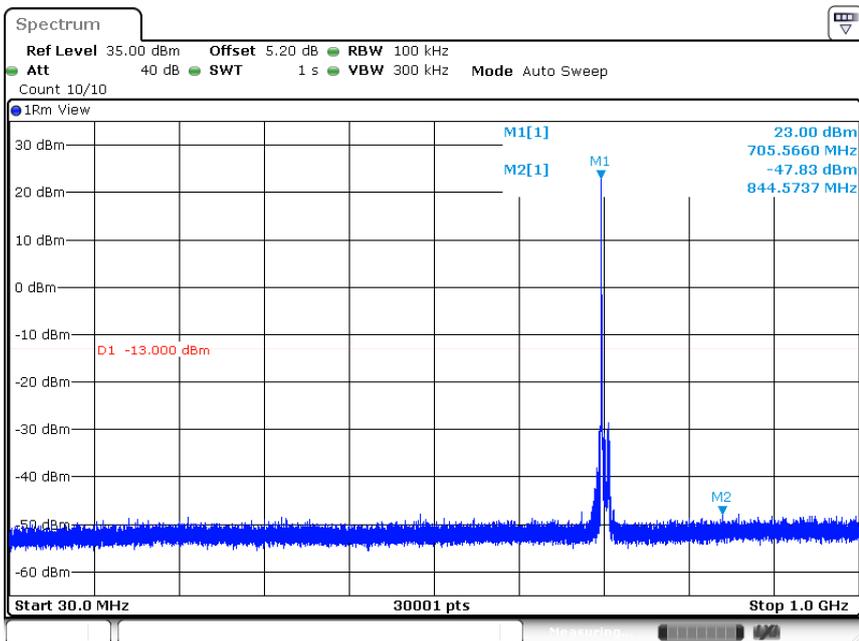
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Band17-10MHz-64QAM-23780-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 11:32:06

Band17-10MHz-64QAM-23790-1RB#0-Range1:30~1000MHz

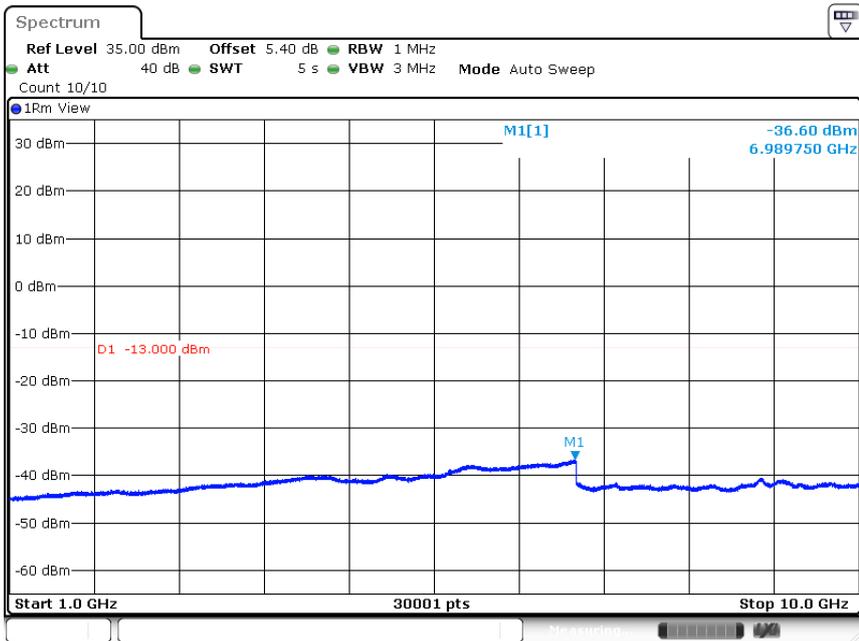


Date: 15.SEP.2020 11:32:30



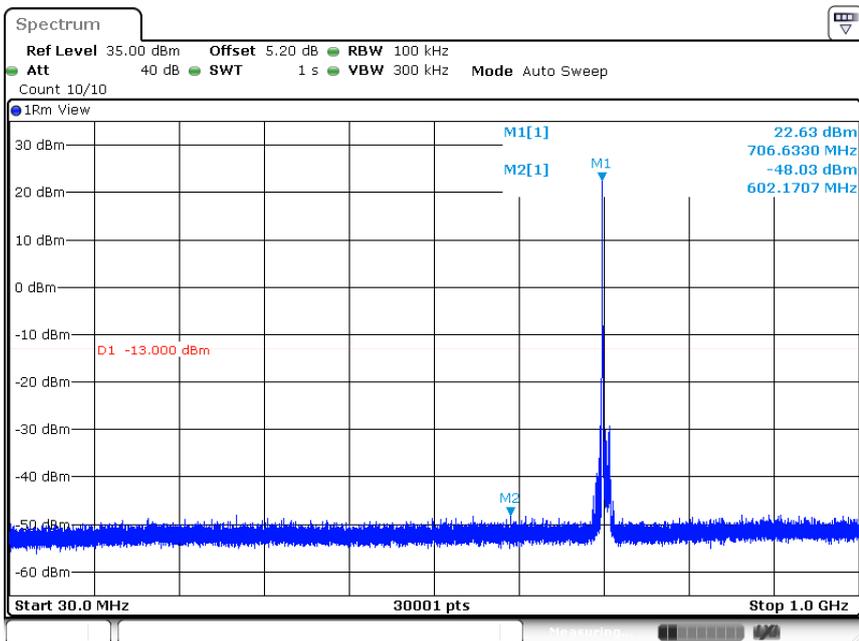
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Band17-10MHz-64QAM-23790-1RB#0-Range2:1000~10000MHz



Date: 15.SEP.2020 11:33:38

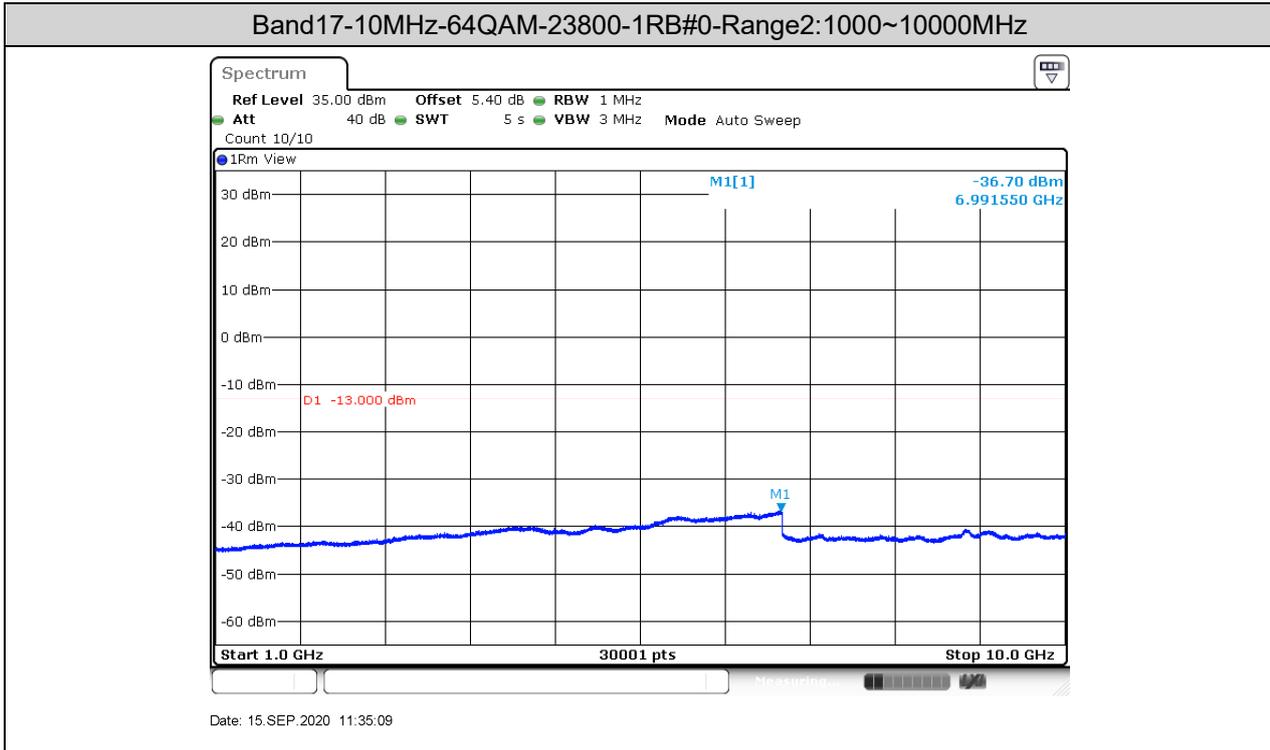
Band17-10MHz-64QAM-23800-1RB#0-Range1:30~1000MHz



Date: 15.SEP.2020 11:34:00



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7 Field Strength of Spurious Radiation

7.1 Test Mode =LTE/TM1 10MHz (Ant1)

7.1.1 Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 31.4066 | -75.00 | -13.00 | 62.00 | Vertical |
| 111.4356 | -65.33 | -13.00 | 52.33 | Vertical |
| 366.8978 | -69.12 | -13.00 | 56.12 | Vertical |
| 1408.8818 | -58.20 | -13.00 | 45.20 | Vertical |
| 2467.0934 | -57.87 | -13.00 | 44.87 | Vertical |
| 7458.8984 | -55.95 | -13.00 | 42.95 | Vertical |
| 42.2711 | -64.68 | -13.00 | 51.68 | Horizontal |
| 86.5053 | -75.38 | -13.00 | 62.38 | Horizontal |
| 236.1838 | -68.63 | -13.00 | 55.63 | Horizontal |
| 1408.8818 | -55.13 | -13.00 | 42.13 | Horizontal |
| 2518.7037 | -56.31 | -13.00 | 43.31 | Horizontal |
| 7464.7786 | -56.29 | -13.00 | 43.29 | Horizontal |

7.1.2 Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 48.4309 | -72.66 | -13.00 | 59.66 | Vertical |
| 113.4242 | -64.72 | -13.00 | 51.72 | Vertical |
| 305.6393 | -69.42 | -13.00 | 56.42 | Vertical |
| 1411.2823 | -58.62 | -13.00 | 45.62 | Vertical |
| 2429.4859 | -57.86 | -13.00 | 44.86 | Vertical |
| 9568.7828 | -52.39 | -13.00 | 39.39 | Vertical |
| 40.8160 | -63.86 | -13.00 | 50.86 | Horizontal |
| 109.1075 | -76.31 | -13.00 | 63.31 | Horizontal |
| 231.6246 | -67.81 | -13.00 | 54.81 | Horizontal |
| 1411.2823 | -53.63 | -13.00 | 40.63 | Horizontal |
| 2707.9416 | -56.36 | -13.00 | 43.36 | Horizontal |
| 9325.4530 | -53.01 | -13.00 | 40.01 | Horizontal |



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7.1.3 Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 30.0485 | -76.40 | -13.00 | 63.40 | Vertical |
| 113.3272 | -65.69 | -13.00 | 52.69 | Vertical |
| 293.3682 | -69.37 | -13.00 | 56.37 | Vertical |
| 1413.2827 | -58.66 | -13.00 | 45.66 | Vertical |
| 2444.2889 | -57.33 | -13.00 | 44.33 | Vertical |
| 7374.6150 | -55.85 | -13.00 | 42.85 | Vertical |
| 46.6848 | -64.98 | -13.00 | 51.98 | Horizontal |
| 105.8093 | -76.17 | -13.00 | 63.17 | Horizontal |
| 235.3593 | -68.19 | -13.00 | 55.19 | Horizontal |
| 1412.8826 | -52.64 | -13.00 | 39.64 | Horizontal |
| 2702.3405 | -56.20 | -13.00 | 43.20 | Horizontal |
| 7414.0966 | -56.27 | -13.00 | 43.27 | Horizontal |



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7.2 Test Mode = LTE/TM1 10MHz (Ant2)

7.2.1 Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 30.7275 | -73.87 | -13.00 | 60.87 | Vertical |
| 111.7751 | -65.32 | -13.00 | 52.32 | Vertical |
| 373.5427 | -67.86 | -13.00 | 54.86 | Vertical |
| 1408.8818 | -62.86 | -13.00 | 49.86 | Vertical |
| 2674.7349 | -57.68 | -13.00 | 44.68 | Vertical |
| 7356.4143 | -55.90 | -13.00 | 42.90 | Vertical |
| 44.2112 | -64.20 | -13.00 | 51.20 | Horizontal |
| 98.6309 | -75.34 | -13.00 | 62.34 | Horizontal |
| 233.6132 | -68.74 | -13.00 | 55.74 | Horizontal |
| 1408.8818 | -57.24 | -13.00 | 44.24 | Horizontal |
| 2693.1386 | -56.28 | -13.00 | 43.28 | Horizontal |
| 7417.1767 | -56.09 | -13.00 | 43.09 | Horizontal |

7.2.2 Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 31.2611 | -74.33 | -13.00 | 61.33 | Vertical |
| 111.3871 | -64.79 | -13.00 | 51.79 | Vertical |
| 306.5123 | -68.76 | -13.00 | 55.76 | Vertical |
| 1411.2823 | -62.04 | -13.00 | 49.04 | Vertical |
| 2425.0850 | -57.97 | -13.00 | 44.97 | Vertical |
| 9876.5151 | -52.20 | -13.00 | 39.20 | Vertical |
| 45.4238 | -64.17 | -13.00 | 51.17 | Horizontal |
| 109.3985 | -75.48 | -13.00 | 62.48 | Horizontal |
| 245.0598 | -66.93 | -13.00 | 53.93 | Horizontal |
| 1410.8822 | -57.07 | -13.00 | 44.07 | Horizontal |
| 2693.9388 | -56.32 | -13.00 | 43.32 | Horizontal |
| 7454.4182 | -55.74 | -13.00 | 42.74 | Horizontal |



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7.2.3 Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 31.2611 | -74.35 | -13.00 | 61.35 | Vertical |
| 116.8193 | -63.71 | -13.00 | 50.71 | Vertical |
| 334.3527 | -68.69 | -13.00 | 55.69 | Vertical |
| 1413.2827 | -62.53 | -13.00 | 49.53 | Vertical |
| 2416.2833 | -57.98 | -13.00 | 44.98 | Vertical |
| 7454.6982 | -55.38 | -13.00 | 42.38 | Vertical |
| 45.8118 | -63.71 | -13.00 | 50.71 | Horizontal |
| 85.9233 | -75.30 | -13.00 | 62.30 | Horizontal |
| 235.2138 | -68.02 | -13.00 | 55.02 | Horizontal |
| 1412.8826 | -60.07 | -13.00 | 47.07 | Horizontal |
| 2699.9400 | -56.18 | -13.00 | 43.18 | Horizontal |
| 7480.1792 | -56.25 | -13.00 | 43.25 | Horizontal |

Remark:

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



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8 Frequency Stability

8.1 Frequency Vs Voltage

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage | | | | | |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| | | | | | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VL | NT | -4.10 | -0.005783 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VN | NT | -2.30 | -0.003244 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | VH | NT | -0.10 | -0.000141 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VL | NT | -1.30 | -0.001831 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VN | NT | -0.10 | -0.000141 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | VH | NT | 1.40 | 0.001972 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VL | NT | 0.20 | 0.000281 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VN | NT | -1.70 | -0.002391 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | VH | NT | -3.10 | -0.004360 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VL | NT | 0.60 | 0.000846 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VN | NT | 0.00 | 0.000000 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | VH | NT | 2.10 | 0.002962 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VL | NT | -0.90 | -0.001268 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VN | NT | -0.40 | -0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | VH | NT | -2.80 | -0.003944 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VL | NT | 0.80 | 0.001125 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VN | NT | 4.20 | 0.005907 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | VH | NT | 1.40 | 0.001969 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | VL | NT | 2.80 | 0.003949 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | VN | NT | 3.10 | 0.004372 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | VH | NT | -4.20 | -0.005924 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | VL | NT | -1.30 | -0.001831 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | VN | NT | -3.20 | -0.004507 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | VH | NT | -3.80 | -0.005352 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | VL | NT | 1.30 | 0.001828 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | VN | NT | 0.50 | 0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | VH | NT | 1.50 | 0.002110 | ±2.5 | PASS |

8.2 Frequency Vs Temperature

| Temperature | | | | | | | | | | |
|-------------|--|--|--|--|--|--|--|--|--|--|
|-------------|--|--|--|--|--|--|--|--|--|--|



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| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -30 | -4.00 | -0.005642 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -20 | -0.30 | -0.000423 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | -10 | 2.80 | 0.003949 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 0 | 1.70 | 0.002398 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 10 | -1.40 | -0.001975 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 20 | 0.90 | 0.001269 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 30 | -3.50 | -0.004937 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 40 | -4.50 | -0.006347 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23780 | 50RB#0 | NV | 50 | -2.50 | -0.003526 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -30 | 0.90 | 0.001268 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -20 | -1.10 | -0.001549 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | -10 | -1.50 | -0.002113 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 0 | 1.10 | 0.001549 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 10 | 0.50 | 0.000704 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 20 | -0.80 | -0.001127 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 30 | -1.90 | -0.002676 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 40 | -0.10 | -0.000141 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23790 | 50RB#0 | NV | 50 | 3.80 | 0.005352 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -30 | -1.70 | -0.002391 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -20 | -2.00 | -0.002813 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | -10 | 0.40 | 0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 0 | -1.40 | -0.001969 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 10 | 0.30 | 0.000422 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 20 | 1.50 | 0.002110 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 30 | -1.20 | -0.001688 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 40 | 2.90 | 0.004079 | ±2.5 | PASS |
| Band17 | 10MHz | QPSK | 23800 | 50RB#0 | NV | 50 | 1.10 | 0.001547 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -30 | 0.20 | 0.000282 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -20 | -0.10 | -0.000141 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | -10 | 1.10 | 0.001551 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 0 | -1.00 | -0.001410 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 10 | -0.10 | -0.000141 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 20 | 1.60 | 0.002257 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 30 | -1.80 | -0.002539 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 40 | 1.80 | 0.002539 | ±2.5 | PASS |



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| | | | | | | | | | | |
|--------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band17 | 10MHz | 16QAM | 23780 | 50RB#0 | NV | 50 | -1.40 | -0.001975 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -30 | 0.80 | 0.001127 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -20 | -0.30 | -0.000423 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | -10 | 0.80 | 0.001127 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 0 | -1.30 | -0.001831 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 10 | -1.10 | -0.001549 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 20 | -0.70 | -0.000986 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 30 | 1.50 | 0.002113 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 40 | 0.30 | 0.000423 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23790 | 50RB#0 | NV | 50 | 1.20 | 0.001690 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -30 | 0.90 | 0.001266 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -20 | -0.30 | -0.000422 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | -10 | -0.50 | -0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 0 | 1.00 | 0.001406 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 10 | 3.20 | 0.004501 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 20 | -0.70 | -0.000985 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 30 | 0.20 | 0.000281 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 40 | -0.80 | -0.001125 | ±2.5 | PASS |
| Band17 | 10MHz | 16QAM | 23800 | 50RB#0 | NV | 50 | 1.10 | 0.001547 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | -30 | -0.30 | -0.000423 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | -20 | -1.40 | -0.001975 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | -10 | 0.90 | 0.001269 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 0 | -2.20 | -0.003103 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 10 | 1.40 | 0.001975 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 20 | -2.50 | -0.003526 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 30 | 1.20 | 0.001693 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 40 | -0.30 | -0.000423 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23780 | 50RB#0 | NV | 50 | 0.40 | 0.000564 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | -30 | -2.70 | -0.003803 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | -20 | -2.70 | -0.003803 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | -10 | -2.50 | -0.003521 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 0 | -1.30 | -0.001831 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 10 | -3.90 | -0.005493 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 20 | -0.30 | -0.000423 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 30 | -3.80 | -0.005352 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 40 | -4.40 | -0.006197 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23790 | 50RB#0 | NV | 50 | -1.80 | -0.002535 | ±2.5 | PASS |



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| | | | | | | | | | | |
|--------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | -30 | 1.20 | 0.001688 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | -20 | -0.40 | -0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | -10 | -0.40 | -0.000563 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 0 | -2.20 | -0.003094 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 10 | 0.50 | 0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 20 | -2.60 | -0.003657 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 30 | 0.50 | 0.000703 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 40 | 2.20 | 0.003094 | ±2.5 | PASS |
| Band17 | 10MHz | 64QAM | 23800 | 50RB#0 | NV | 50 | -0.60 | -0.000844 | ±2.5 | PASS |

The End



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