



Appendix B

E-UTRA Band 2



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|------------|-------------|---------|
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#0 | 23.78 | 23.25 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#2 | 23.88 | 23.35 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#5 | 23.76 | 23.23 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#1 | 23.93 | 23.40 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#0 | 23.86 | 23.33 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#3 | 23.88 | 23.35 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | 22.89 | 22.36 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#5 | 23.79 | 23.26 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#0 | 23.76 | 23.23 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#2 | 23.92 | 23.39 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#0 | 23.88 | 23.35 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#1 | 23.92 | 23.39 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#3 | 23.88 | 23.35 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 6RB#0 | 22.91 | 22.38 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#2 | 23.78 | 23.25 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#5 | 23.66 | 23.13 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#0 | 23.65 | 23.12 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#0 | 23.74 | 23.21 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#3 | 23.74 | 23.21 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#1 | 23.81 | 23.28 | 33.00 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | 22.78 | 22.25 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#2 | 23.15 | 22.62 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#5 | 23.02 | 22.49 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#0 | 22.97 | 22.44 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#0 | 22.96 | 22.43 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#1 | 22.98 | 22.45 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#3 | 22.93 | 22.40 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | 21.92 | 21.39 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#5 | 22.96 | 22.43 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#0 | 23.07 | 22.54 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#2 | 23.19 | 22.66 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#3 | 23.00 | 22.47 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#1 | 22.98 | 22.45 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#0 | 22.91 | 22.38 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0 | 21.95 | 21.42 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#2 | 22.91 | 22.38 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#5 | 22.85 | 22.32 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#0 | 22.78 | 22.25 | 33.00 | PASS |



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| | | | | | | | | |
|-------|--------|-------|-------|--------|-------|-------|-------|------|
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#3 | 22.77 | 22.24 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#1 | 22.89 | 22.36 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#0 | 22.80 | 22.27 | 33.00 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | 21.83 | 21.30 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#14 | 23.86 | 23.33 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#0 | 23.84 | 23.31 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#8 | 23.82 | 23.29 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#7 | 22.86 | 22.33 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#4 | 22.90 | 22.37 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#0 | 22.88 | 22.35 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | 22.88 | 22.35 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#14 | 23.85 | 23.32 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#8 | 23.84 | 23.31 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#0 | 23.86 | 23.33 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#7 | 22.89 | 22.36 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#0 | 22.90 | 22.37 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#4 | 22.92 | 22.39 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0 | 22.89 | 22.36 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#14 | 23.71 | 23.18 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#8 | 23.72 | 23.19 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#0 | 23.68 | 23.15 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#4 | 22.80 | 22.27 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#0 | 22.75 | 22.22 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#7 | 22.76 | 22.23 | 33.00 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | 22.76 | 22.23 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#8 | 23.08 | 22.55 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#14 | 23.08 | 22.55 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#0 | 22.98 | 22.45 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#0 | 21.93 | 21.40 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#7 | 21.93 | 21.40 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#4 | 21.93 | 21.40 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | 21.86 | 21.33 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#8 | 23.09 | 22.56 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#14 | 23.19 | 22.66 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#0 | 23.13 | 22.60 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#4 | 21.95 | 21.42 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#0 | 21.93 | 21.40 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#7 | 21.95 | 21.42 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0 | 21.86 | 21.33 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#14 | 22.89 | 22.36 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#0 | 22.93 | 22.40 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#8 | 22.87 | 22.34 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#0 | 21.76 | 21.23 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#7 | 21.77 | 21.24 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#4 | 21.82 | 21.29 | 33.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | 21.75 | 21.22 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#24 | 23.76 | 23.23 | 33.00 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band2 | 5MHz | QPSK | 18625 | 1RB#12 | 24.06 | 23.53 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#0 | 23.75 | 23.22 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#6 | 22.95 | 22.42 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#0 | 22.92 | 22.39 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#13 | 22.93 | 22.40 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | 22.91 | 22.38 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#24 | 23.75 | 23.22 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#0 | 23.74 | 23.21 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#12 | 23.98 | 23.45 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#6 | 22.96 | 22.43 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#0 | 22.91 | 22.38 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#13 | 22.89 | 22.36 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0 | 22.90 | 22.37 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#0 | 23.59 | 23.06 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#12 | 23.83 | 23.30 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#24 | 23.63 | 23.10 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#0 | 22.77 | 22.24 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#6 | 22.81 | 22.28 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#13 | 22.76 | 22.23 | 33.00 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | 22.76 | 22.23 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#0 | 23.00 | 22.47 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#12 | 23.16 | 22.63 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#24 | 23.05 | 22.52 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#13 | 21.93 | 21.40 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#0 | 21.92 | 21.39 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#6 | 21.96 | 21.43 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | 21.90 | 21.37 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#0 | 23.04 | 22.51 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#12 | 23.36 | 22.83 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#24 | 23.02 | 22.49 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#0 | 21.89 | 21.36 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#13 | 21.89 | 21.36 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#6 | 21.97 | 21.44 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 25RB#0 | 21.88 | 21.35 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#0 | 22.85 | 22.32 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#24 | 22.78 | 22.25 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#12 | 23.00 | 22.47 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#0 | 21.77 | 21.24 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#6 | 21.80 | 21.27 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#13 | 21.75 | 21.22 | 33.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | 21.73 | 21.20 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#0 | 23.85 | 23.32 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#24 | 24.01 | 23.48 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#49 | 23.84 | 23.31 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#12 | 23.01 | 22.48 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#0 | 22.98 | 22.45 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#25 | 22.99 | 22.46 | 33.00 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | 23.00 | 22.47 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#49 | 23.81 | 23.28 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#0 | 23.87 | 23.34 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#24 | 23.96 | 23.43 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#0 | 22.96 | 22.43 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#12 | 22.98 | 22.45 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#25 | 22.96 | 22.43 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0 | 22.97 | 22.44 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#24 | 23.85 | 23.32 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#49 | 23.72 | 23.19 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#0 | 23.85 | 23.32 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#0 | 22.90 | 22.37 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#25 | 22.80 | 22.27 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#12 | 22.89 | 22.36 | 33.00 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | 22.87 | 22.34 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#24 | 23.25 | 22.72 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#49 | 23.10 | 22.57 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0 | 23.11 | 22.58 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#0 | 21.97 | 21.44 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#12 | 21.99 | 21.46 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#25 | 21.96 | 21.43 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0 | 21.99 | 21.46 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#49 | 22.99 | 22.46 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0 | 23.02 | 22.49 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#24 | 23.27 | 22.74 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#25 | 21.93 | 21.40 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#12 | 21.95 | 21.42 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#0 | 21.96 | 21.43 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0 | 21.96 | 21.43 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#24 | 23.16 | 22.63 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#49 | 22.82 | 22.29 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#0 | 23.10 | 22.57 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#25 | 21.76 | 21.23 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#12 | 21.90 | 21.37 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#0 | 21.91 | 21.38 | 33.00 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0 | 21.85 | 21.32 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#74 | 23.78 | 23.25 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#0 | 23.81 | 23.28 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#38 | 23.93 | 23.40 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 36RB#39 | 22.96 | 22.43 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 36RB#18 | 23.00 | 22.47 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 36RB#0 | 22.95 | 22.42 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | 22.97 | 22.44 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#74 | 23.74 | 23.21 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#38 | 23.87 | 23.34 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#0 | 23.80 | 23.27 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 36RB#0 | 22.94 | 22.41 | 33.00 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band2 | 15MHz | QPSK | 18900 | 36RB#39 | 22.93 | 22.40 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 36RB#18 | 22.97 | 22.44 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 75RB#0 | 22.92 | 22.39 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#74 | 23.65 | 23.12 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#38 | 23.84 | 23.31 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#0 | 23.79 | 23.26 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 36RB#18 | 22.92 | 22.39 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 36RB#0 | 22.98 | 22.45 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 36RB#39 | 22.80 | 22.27 | 33.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | 22.91 | 22.38 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0 | 23.12 | 22.59 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#74 | 23.08 | 22.55 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#38 | 23.15 | 22.62 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 36RB#0 | 21.95 | 21.42 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 36RB#39 | 21.91 | 21.38 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 36RB#18 | 21.96 | 21.43 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0 | 21.97 | 21.44 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#38 | 23.06 | 22.53 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#74 | 22.94 | 22.41 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0 | 23.03 | 22.50 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 36RB#18 | 21.93 | 21.40 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 36RB#0 | 21.89 | 21.36 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 36RB#39 | 21.88 | 21.35 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0 | 21.90 | 21.37 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#74 | 22.87 | 22.34 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0 | 23.02 | 22.49 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#38 | 23.05 | 22.52 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 36RB#0 | 21.93 | 21.40 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 36RB#39 | 21.78 | 21.25 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 36RB#18 | 21.88 | 21.35 | 33.00 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0 | 21.87 | 21.34 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#99 | 23.75 | 23.22 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#49 | 24.01 | 23.48 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#0 | 23.75 | 23.22 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#25 | 23.01 | 22.48 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#0 | 23.00 | 22.47 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#50 | 22.91 | 22.38 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 22.93 | 22.40 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#99 | 23.68 | 23.15 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#0 | 23.76 | 23.23 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#49 | 23.98 | 23.45 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#25 | 22.97 | 22.44 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#0 | 22.92 | 22.39 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#50 | 22.88 | 22.35 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 22.89 | 22.36 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#0 | 23.74 | 23.21 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#49 | 23.97 | 23.44 | 33.00 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band2 | 20MHz | QPSK | 19100 | 1RB#99 | 23.60 | 23.07 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#0 | 23.03 | 22.50 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#25 | 22.98 | 22.45 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#50 | 22.80 | 22.27 | 33.00 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 22.92 | 22.39 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0 | 23.05 | 22.52 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#49 | 23.24 | 22.71 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#99 | 23.05 | 22.52 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#50 | 21.88 | 21.35 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#0 | 21.98 | 21.45 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#25 | 21.99 | 21.46 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 21.92 | 21.39 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0 | 23.00 | 22.47 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#49 | 23.15 | 22.62 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#99 | 22.95 | 22.42 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#0 | 21.90 | 21.37 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#50 | 21.87 | 21.34 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#25 | 21.95 | 21.42 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 21.88 | 21.35 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#0 | 22.98 | 22.45 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#99 | 22.79 | 22.26 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#49 | 23.25 | 22.72 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#0 | 21.99 | 21.46 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#25 | 21.96 | 21.43 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#50 | 21.77 | 21.24 | 33.00 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 21.90 | 21.37 | 33.00 | PASS |

Remark:

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

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

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



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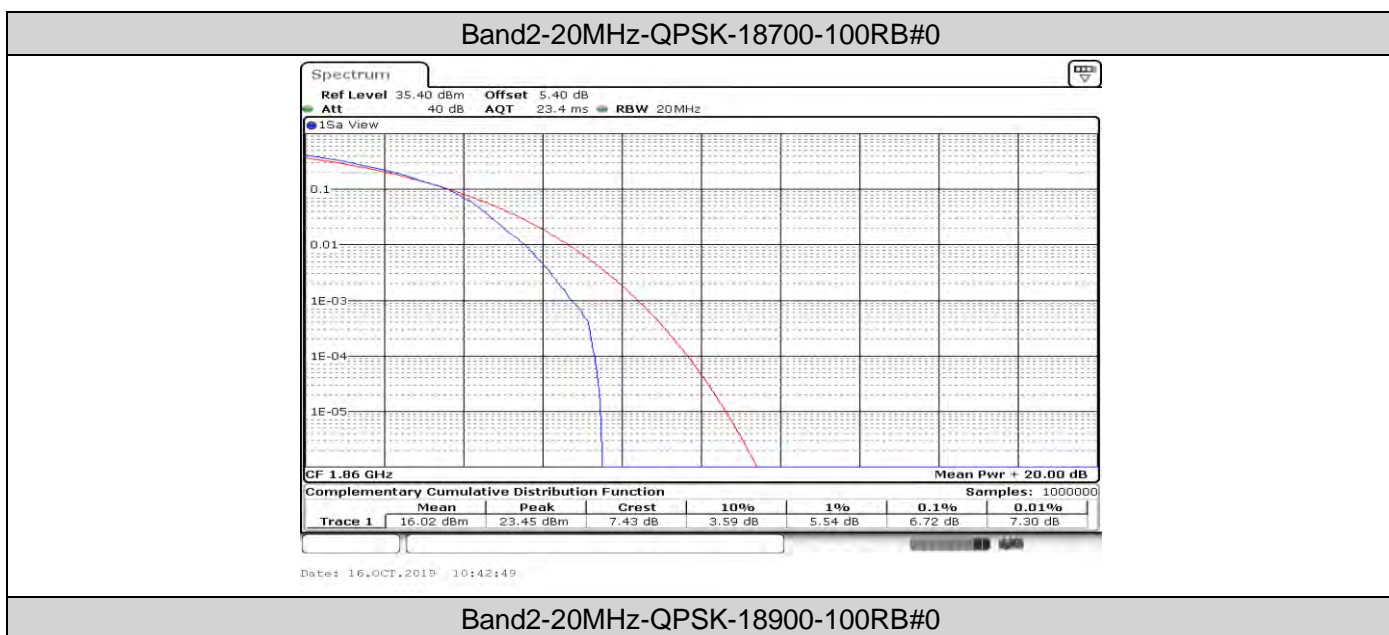


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 6.72 | 13 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 7.01 | 13 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 7.04 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 7.36 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 7.36 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 7.36 | 13 | PASS |

2.2. Test Plots



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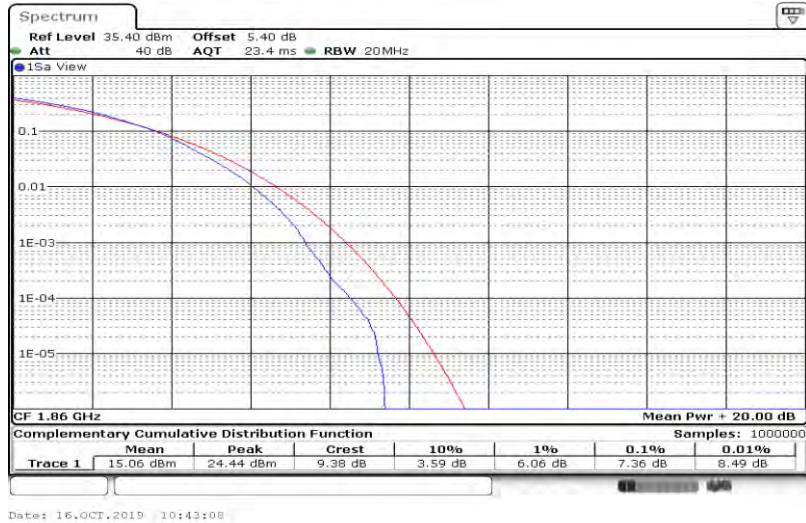
Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-100RB#0



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Date: 16.OCT.2019 10:43:08

Band2-20MHz-16QAM-18900-100RB#0



Date: 16.OCT.2019 10:43:31

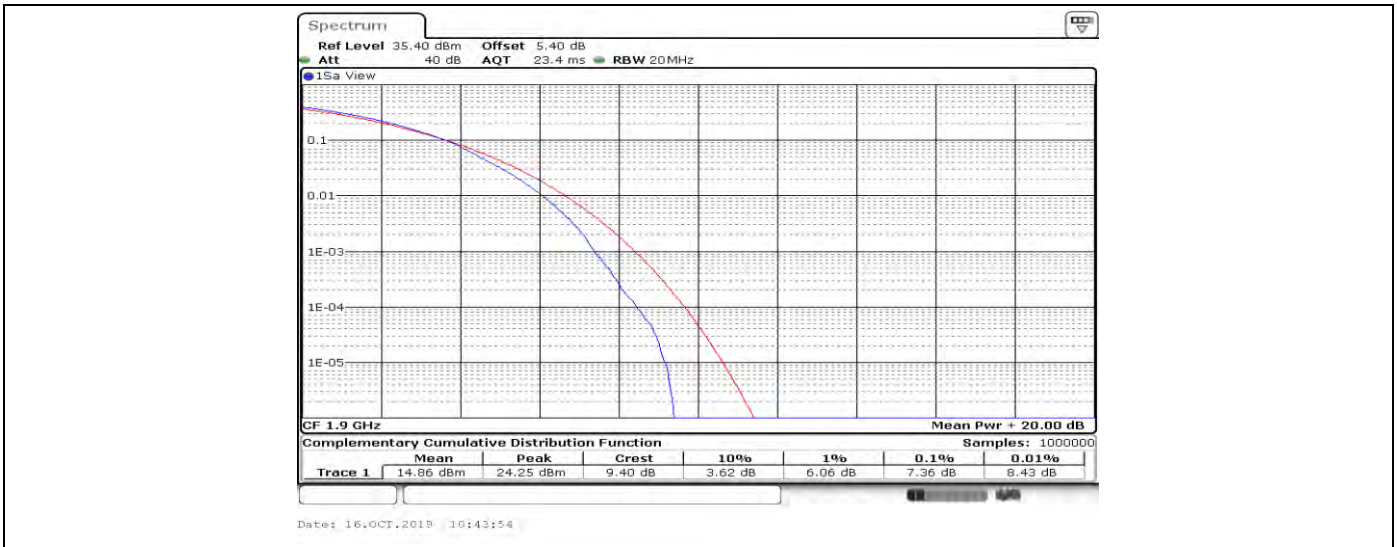
Band2-20MHz-16QAM-19100-100RB#0



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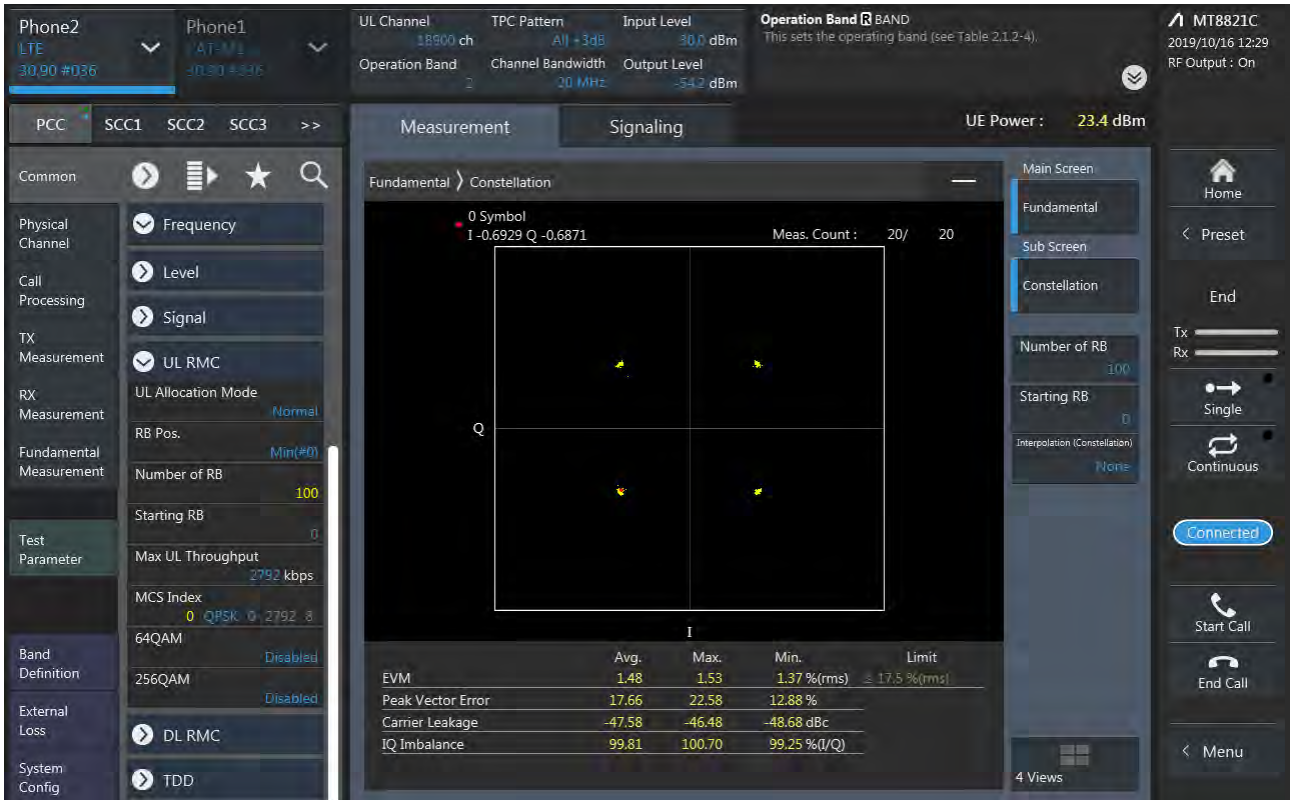


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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

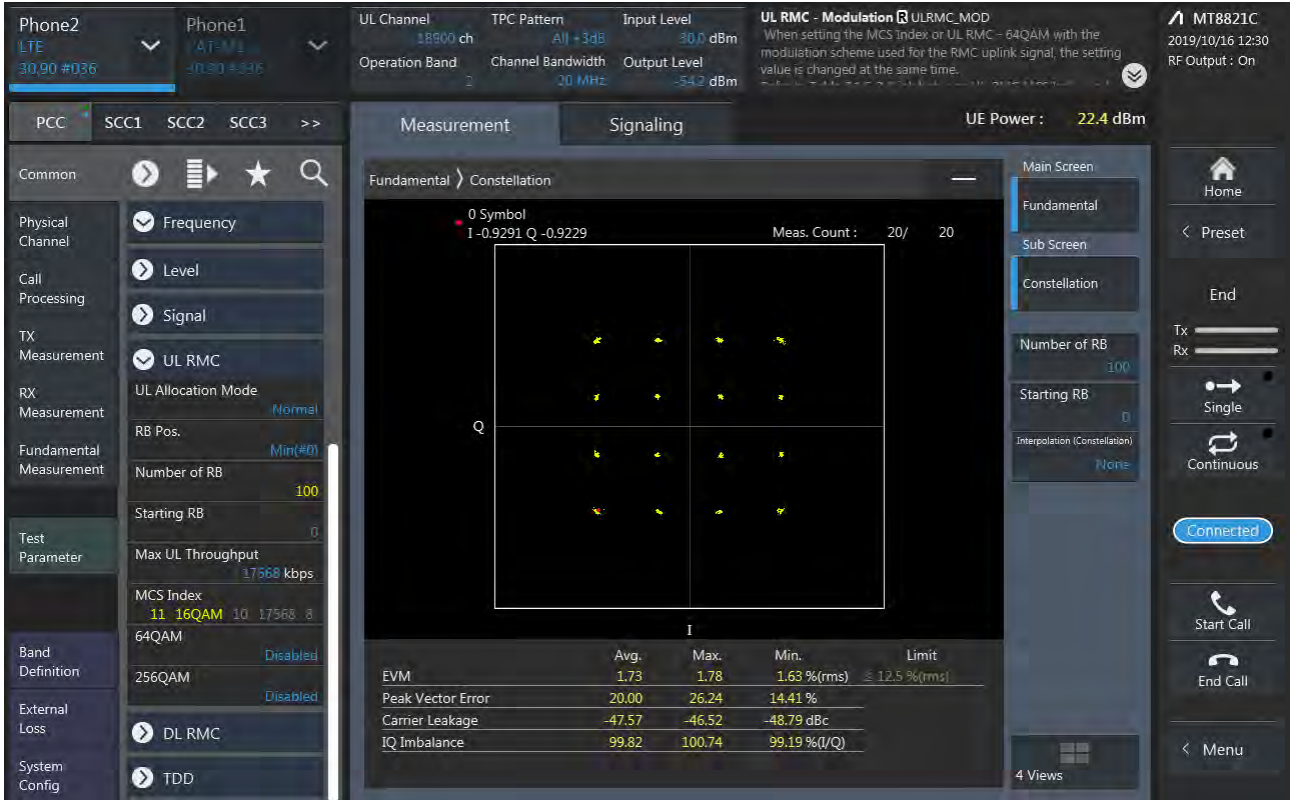
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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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 |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | 1.088 | 1.287 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 6RB#0 | 1.088 | 1.281 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | 1.088 | 1.287 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | 1.088 | 1.287 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0 | 1.088 | 1.290 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | 1.088 | 1.290 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | 2.691 | 2.928 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0 | 2.691 | 2.916 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | 2.685 | 2.928 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | 2.673 | 2.898 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0 | 2.673 | 2.904 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | 2.673 | 2.904 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | 4.476 | 4.840 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0 | 4.466 | 4.820 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | 4.466 | 4.830 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | 4.476 | 4.870 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 25RB#0 | 4.486 | 4.870 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | 4.486 | 4.860 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | 8.931 | 9.600 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0 | 8.931 | 9.600 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | 8.911 | 9.620 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0 | 8.911 | 9.620 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0 | 8.931 | 9.660 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0 | 8.951 | 9.680 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | 13.457 | 14.700 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 75RB#0 | 13.457 | 14.700 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | 13.457 | 14.550 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0 | 13.427 | 14.670 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0 | 13.427 | 14.940 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0 | 13.457 | 14.700 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 17.902 | 22.560 | PASS |



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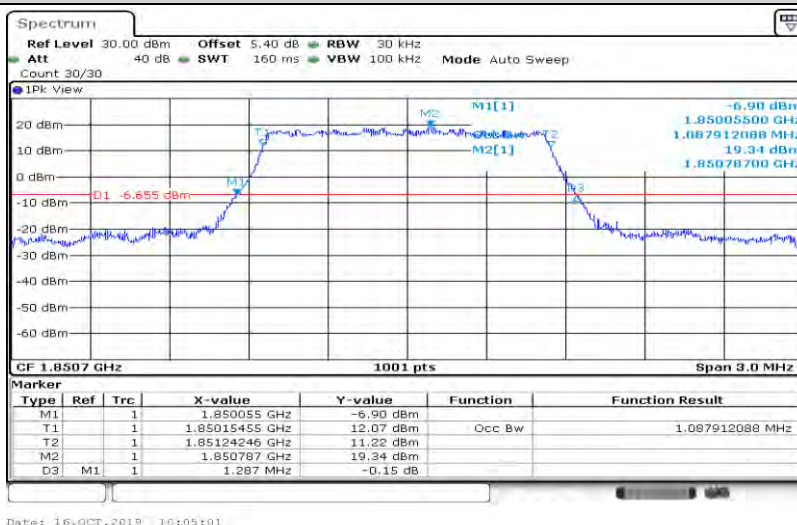
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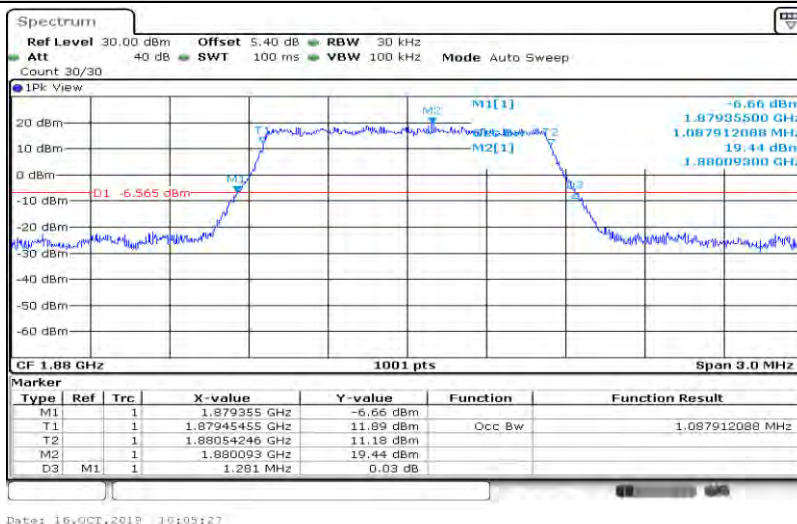
| | | | | | | | |
|-------|-------|-------|-------|---------|--------|--------|------|
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 17.862 | 19.320 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 17.902 | 19.280 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 17.862 | 21.160 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 17.902 | 19.280 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 17.862 | 19.280 | PASS |

4.2. Test Plots

Band2-1.4MHz-QPSK-18607-6RB#0-1.088



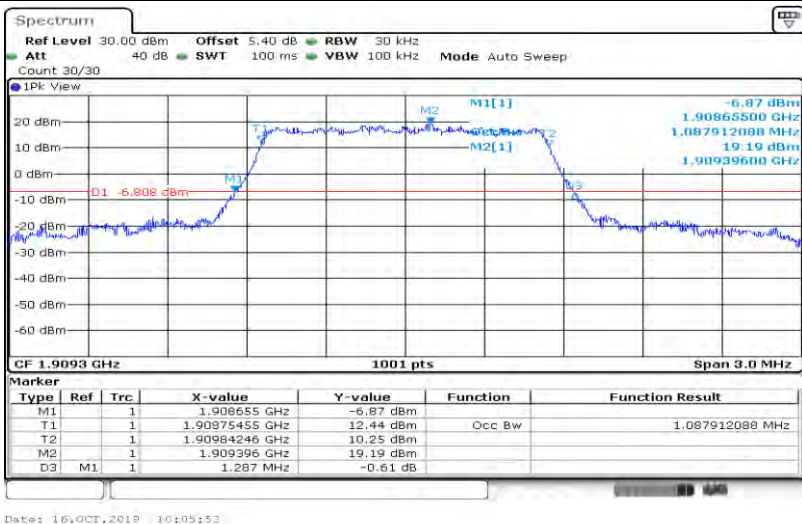
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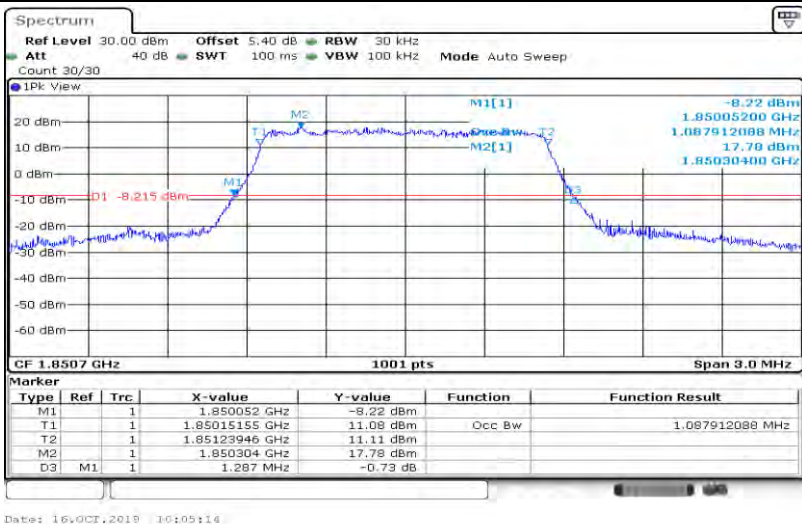
Band2-1.4MHz-QPSK-19193-6RB#0-1.088



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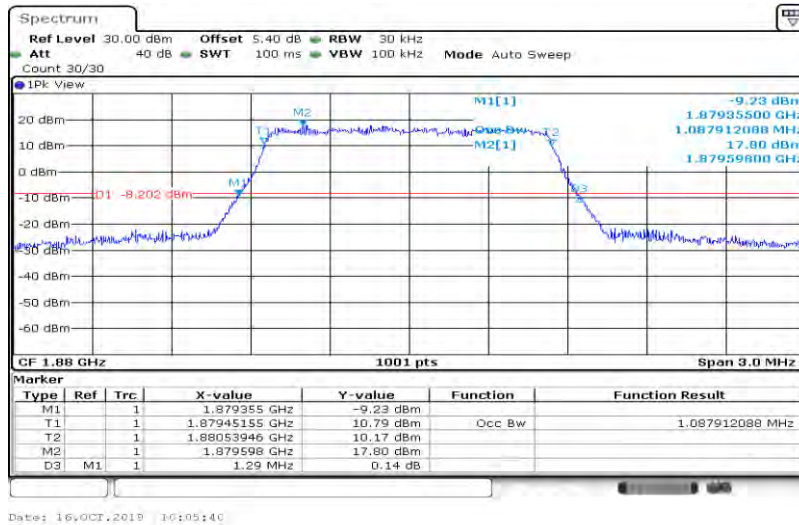
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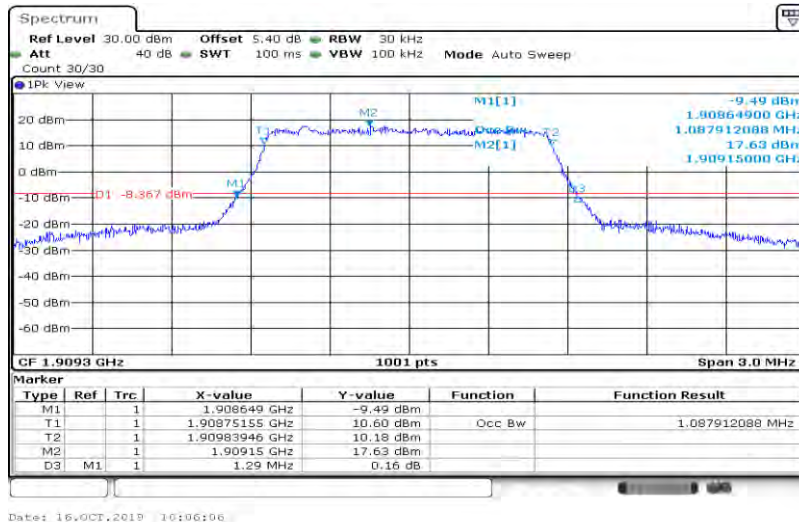
Band2-1.4MHz-16QAM-18900-6RB#0-1.088



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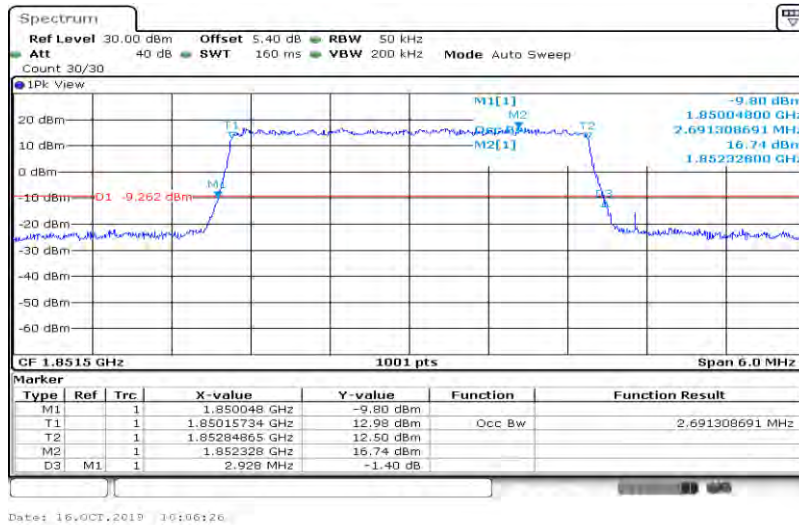
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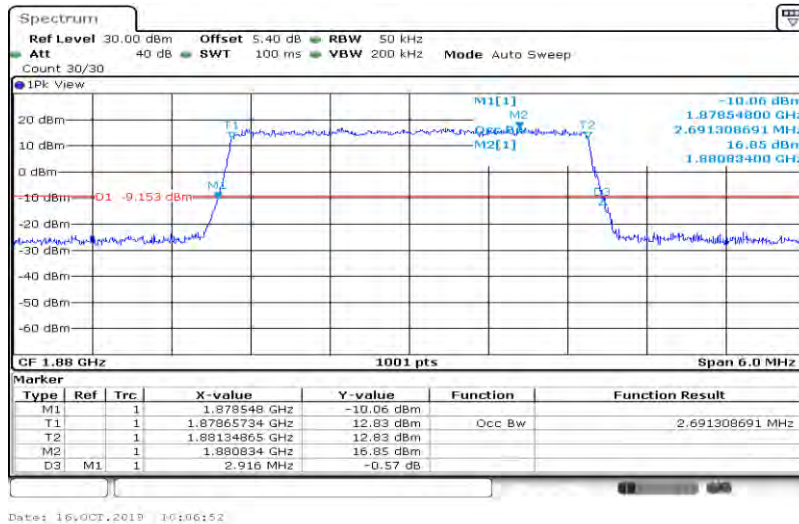
Band2-3MHz-QPSK-18615-15RB#0-2.691



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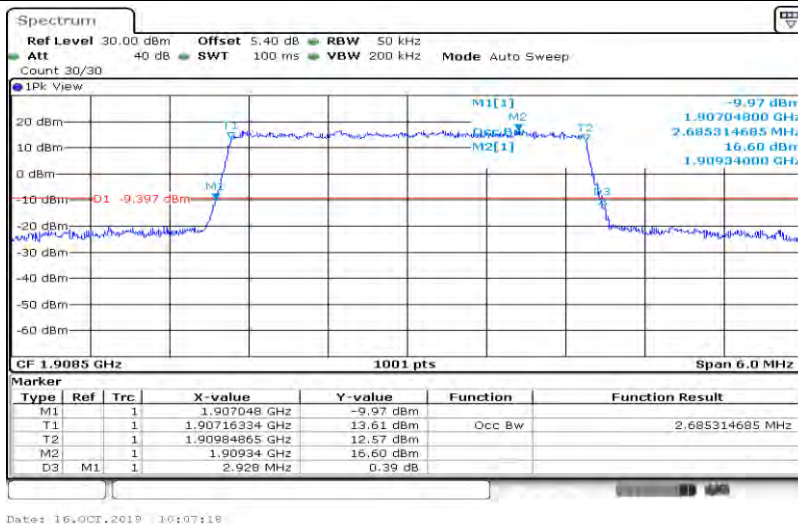
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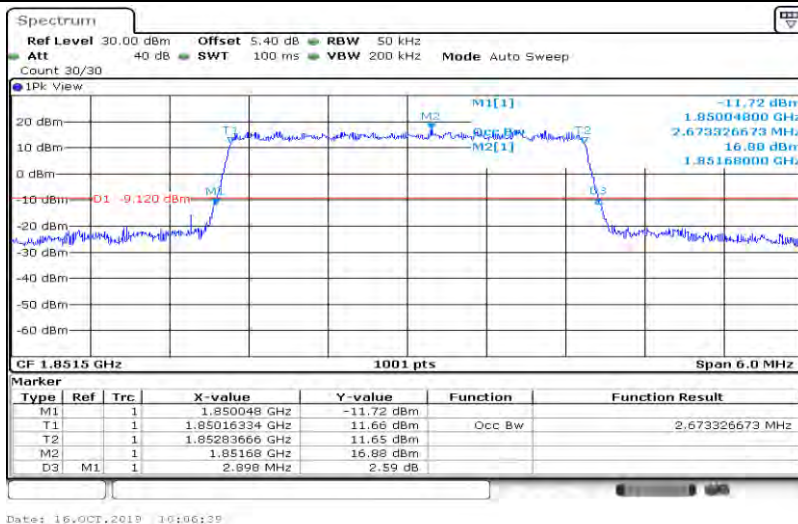
Band2-3MHz-QPSK-19185-15RB#0-2.685



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Band2-3MHz-16QAM-18615-15RB#0-2.673



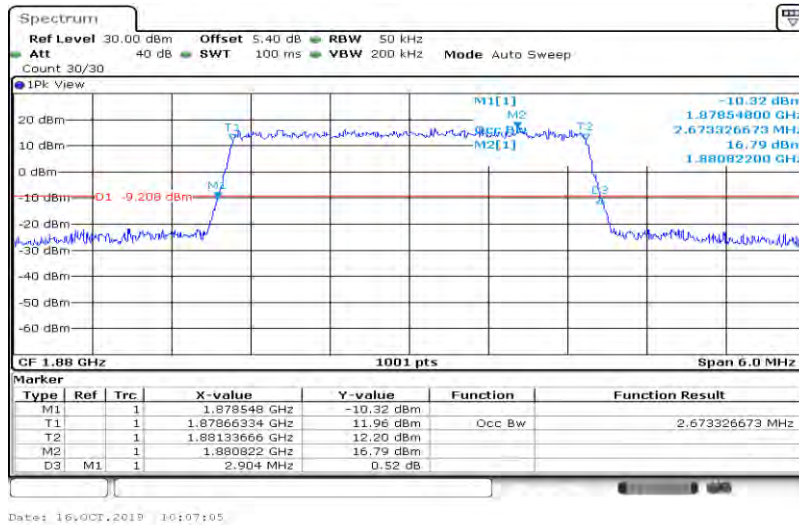
Band2-3MHz-16QAM-18900-15RB#0-2.673



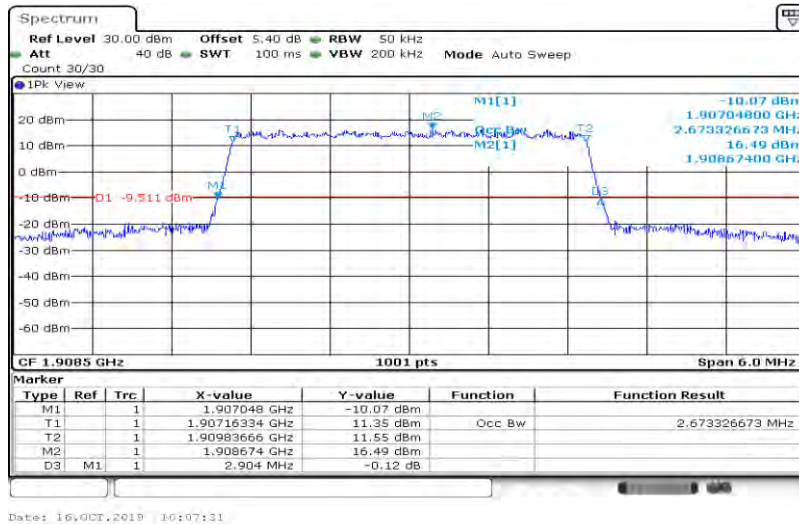
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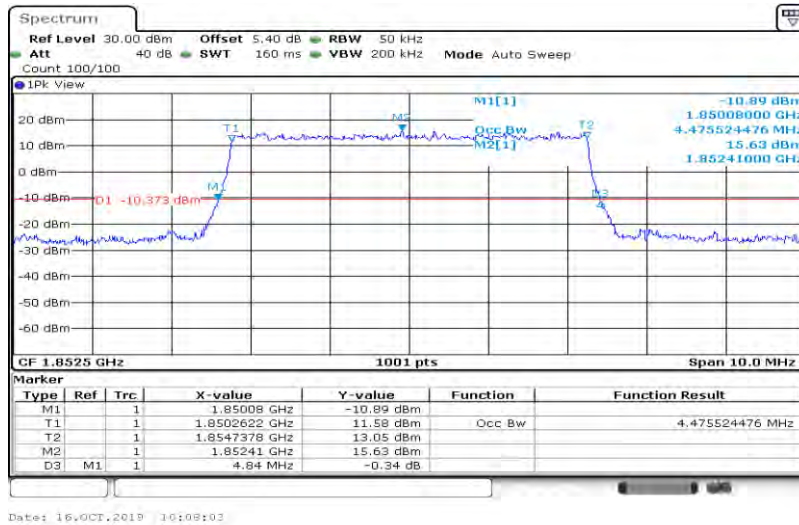
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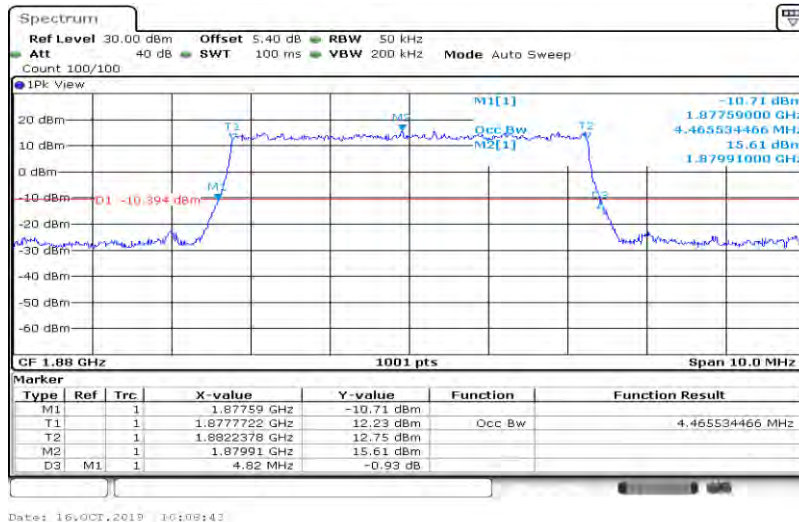
Band2-5MHz-QPSK-18625-25RB#0-4.476



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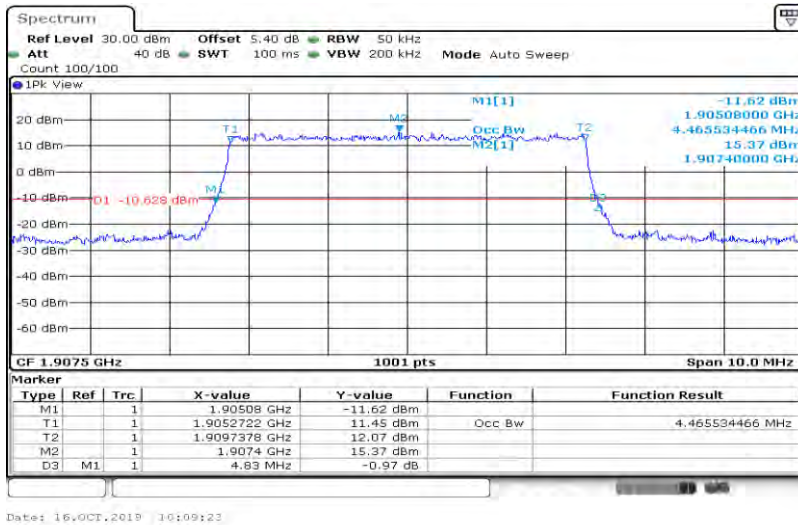
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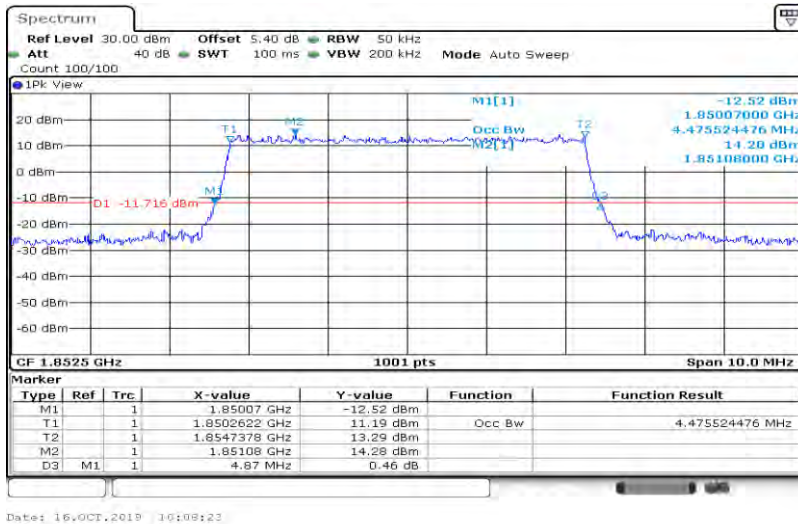
Band2-5MHz-QPSK-19175-25RB#0-4.466



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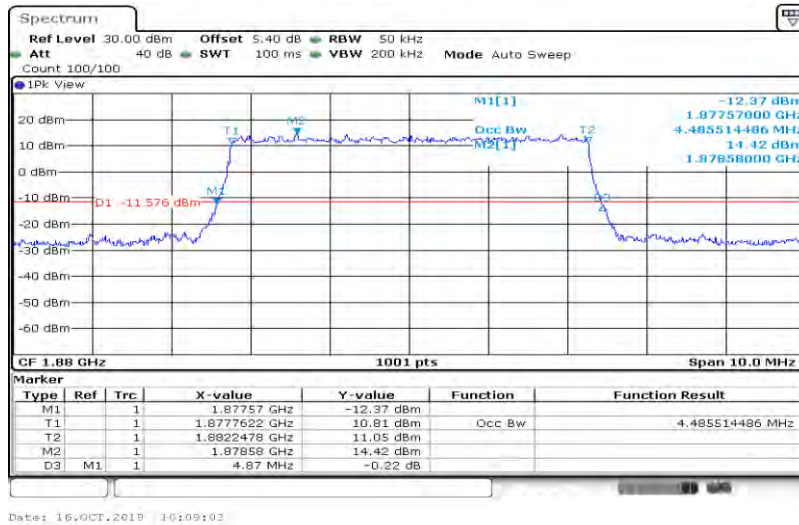
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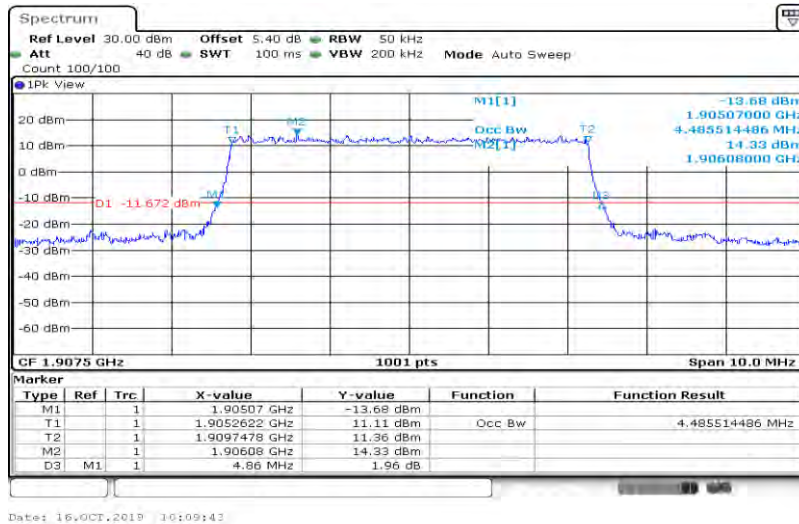
Band2-5MHz-16QAM-18900-25RB#0-4.486



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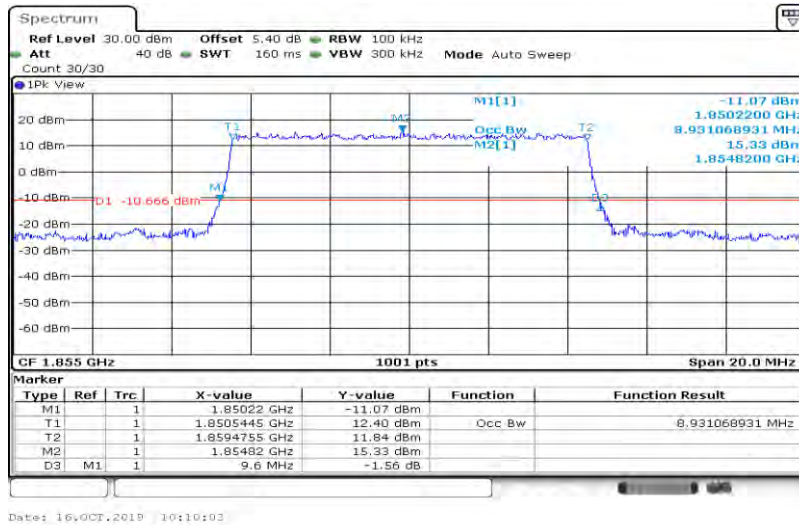
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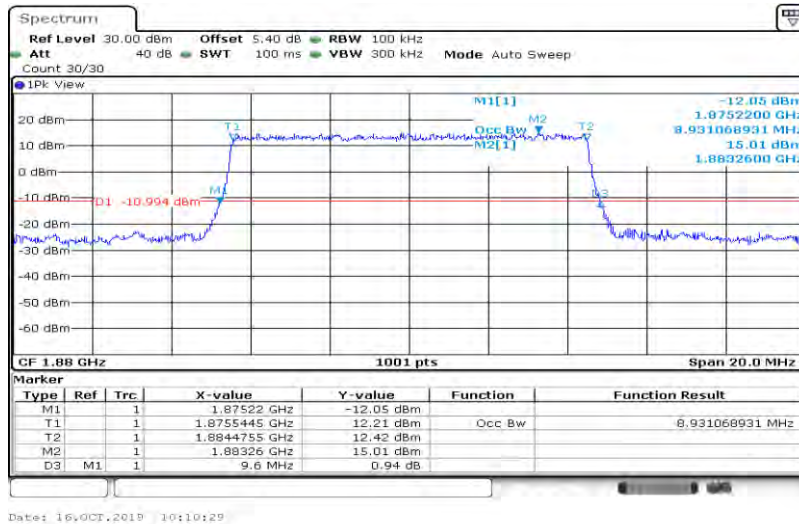
Band2-10MHz-QPSK-18650-50RB#0-8.931



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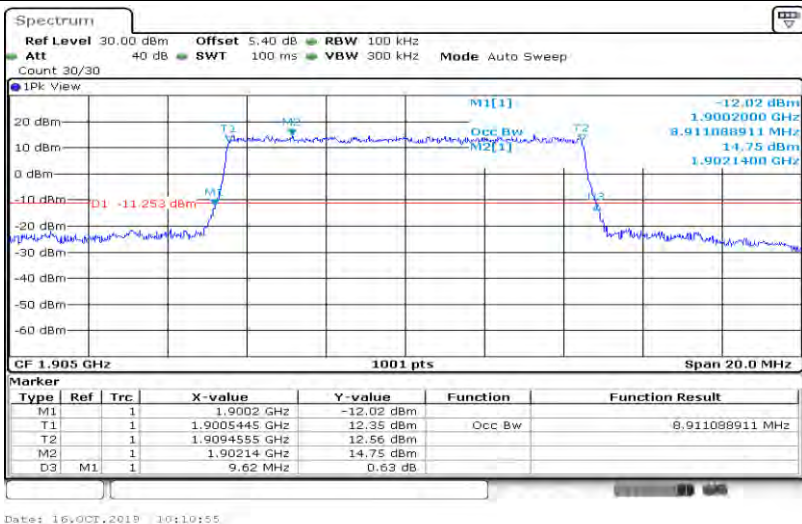
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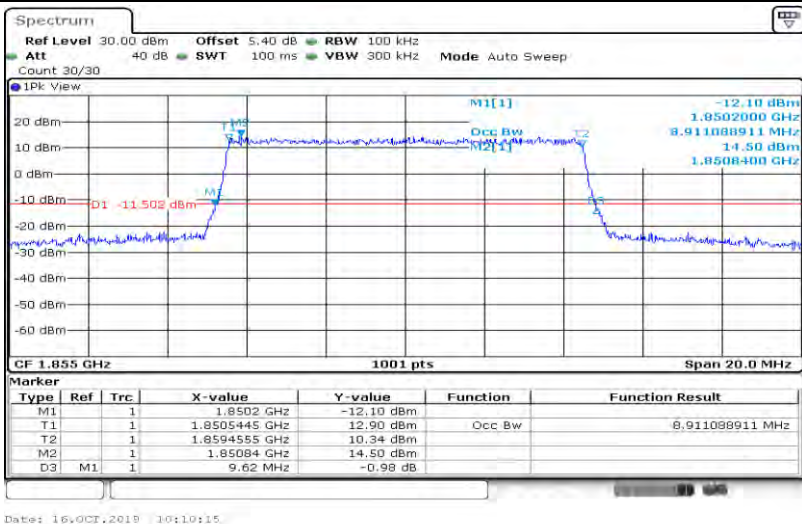
Band2-10MHz-QPSK-19150-50RB#0-8.911



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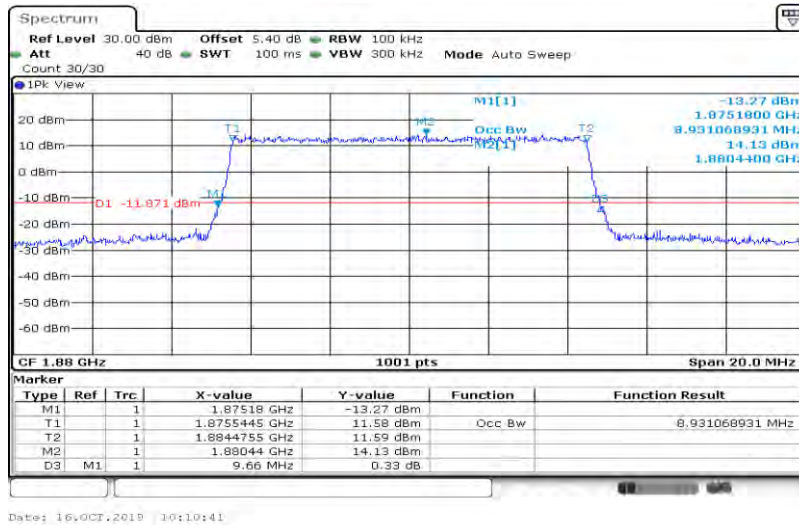
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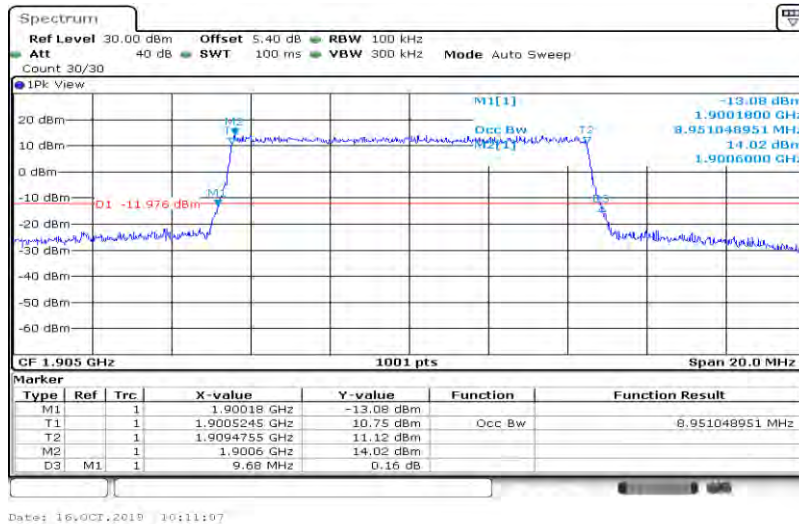
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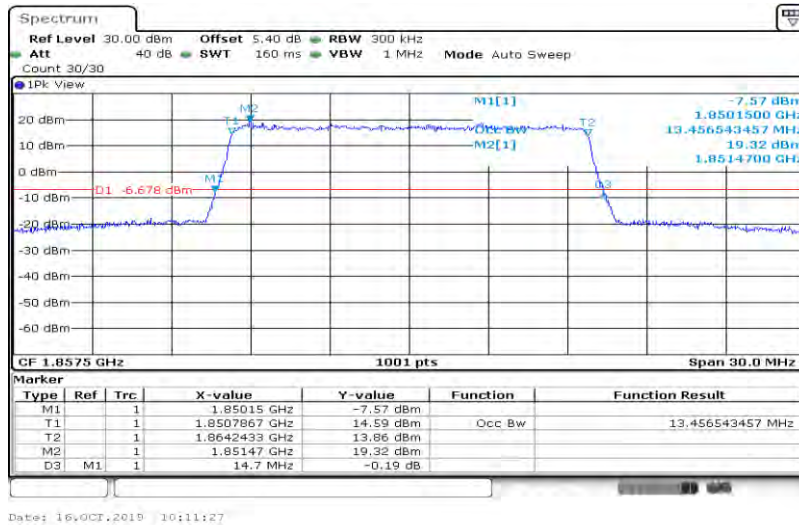
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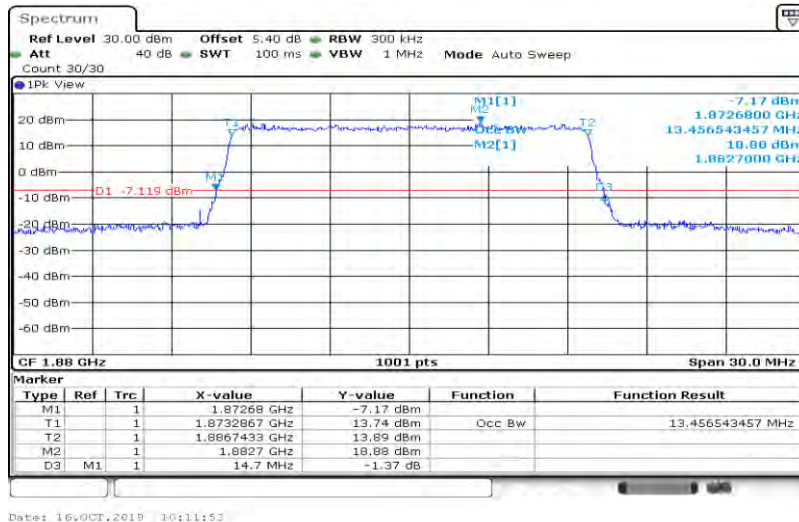
Band2-15MHz-QPSK-18675-75RB#0-13.457



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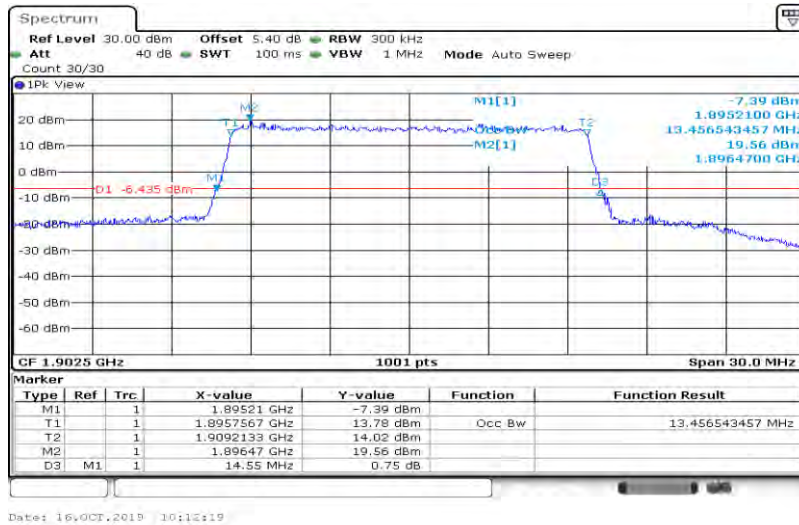
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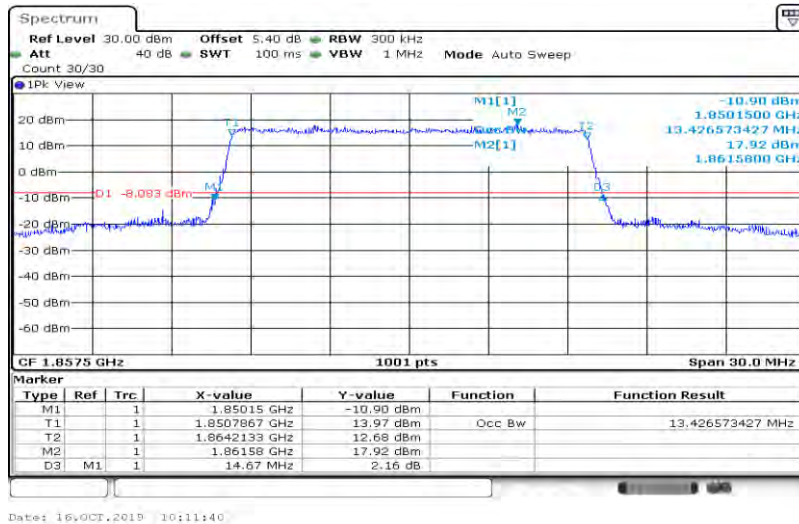
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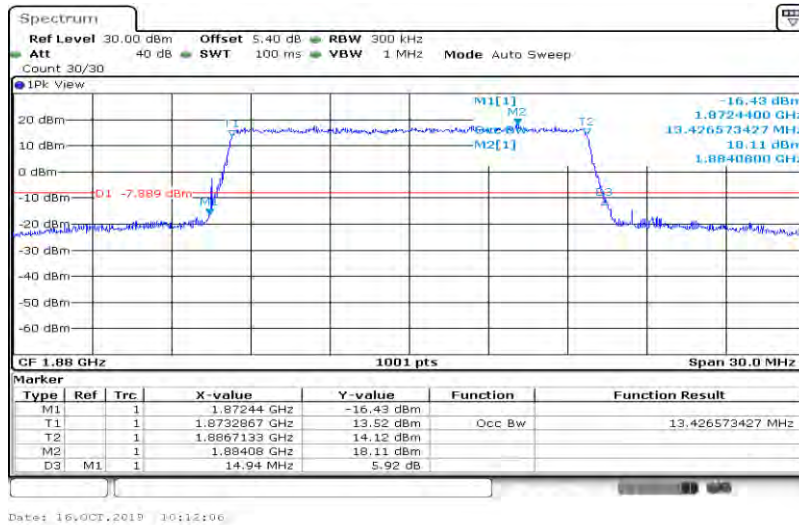
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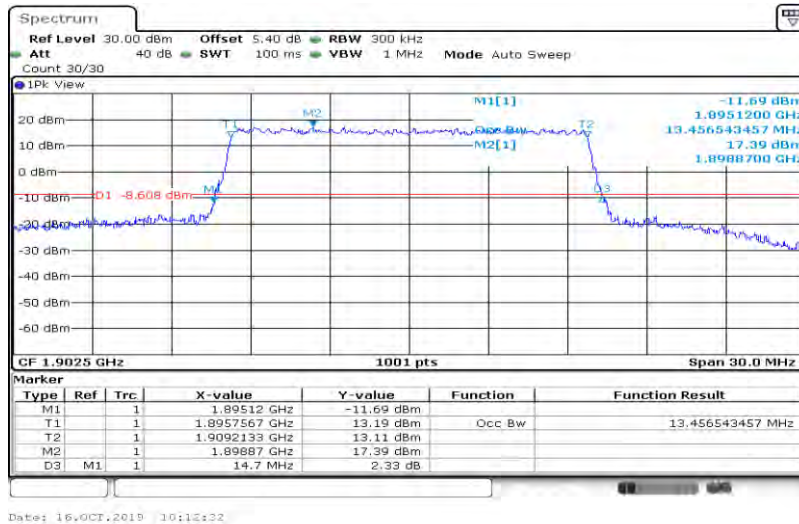
Band2-15MHz-16QAM-18900-75RB#0-13.427



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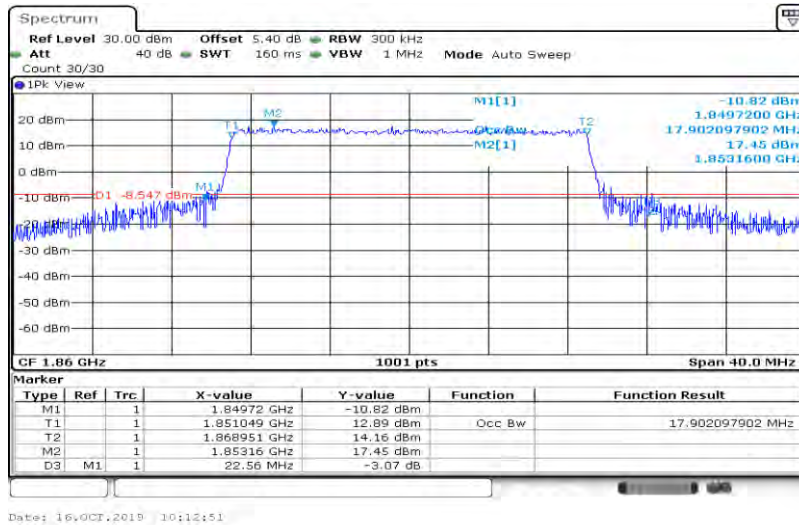
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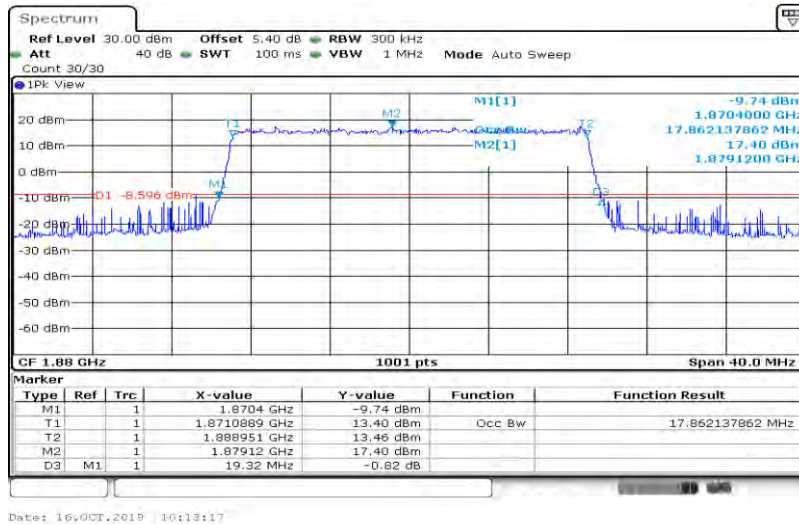
Band2-20MHz-QPSK-18700-100RB#0-17.902



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Band2-20MHz-QPSK-18900-100RB#0-17.862



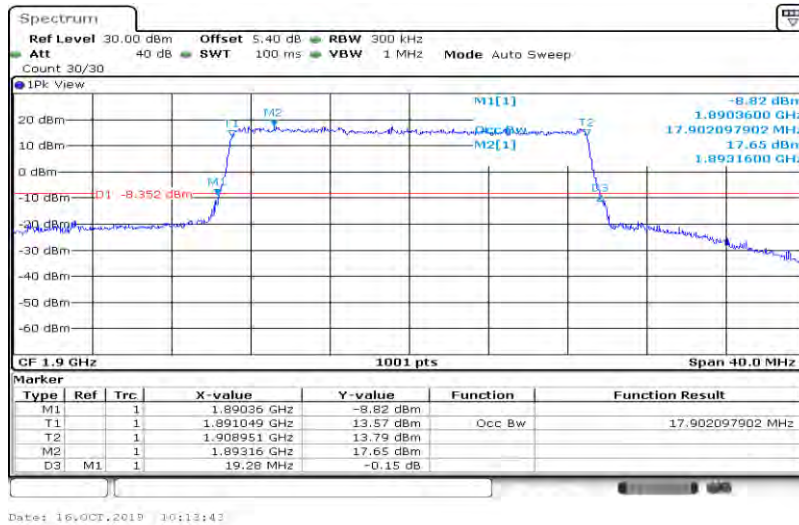
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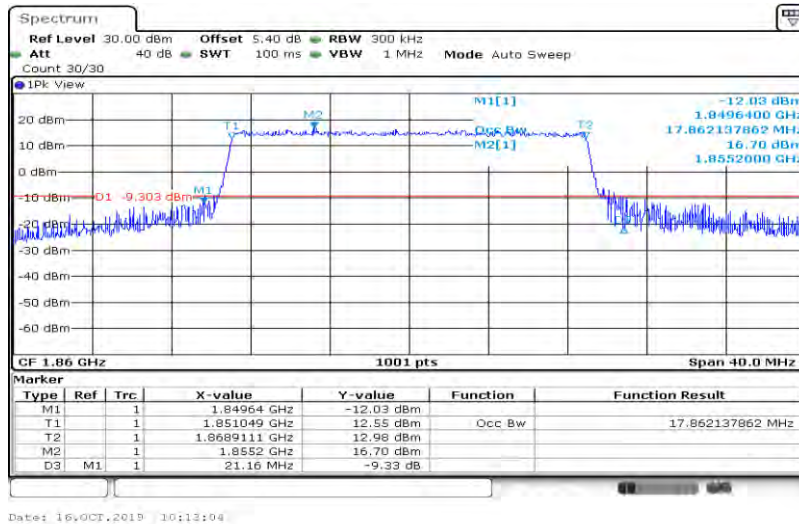
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Band2-20MHz-16QAM-18700-100RB#0-17.862



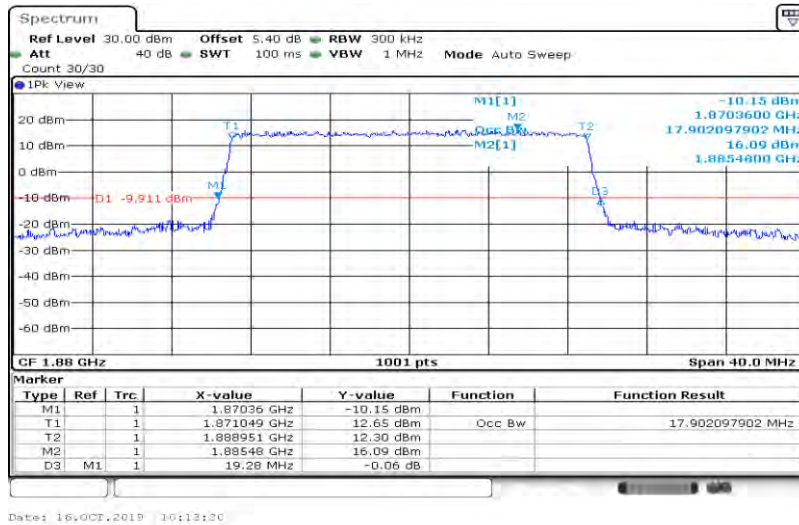
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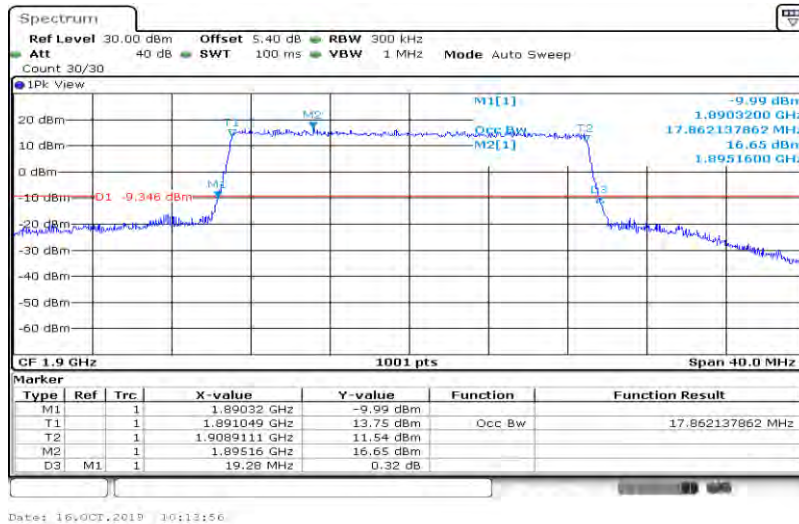
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Band2-20MHz-16QAM-19100-100RB#0-17.862

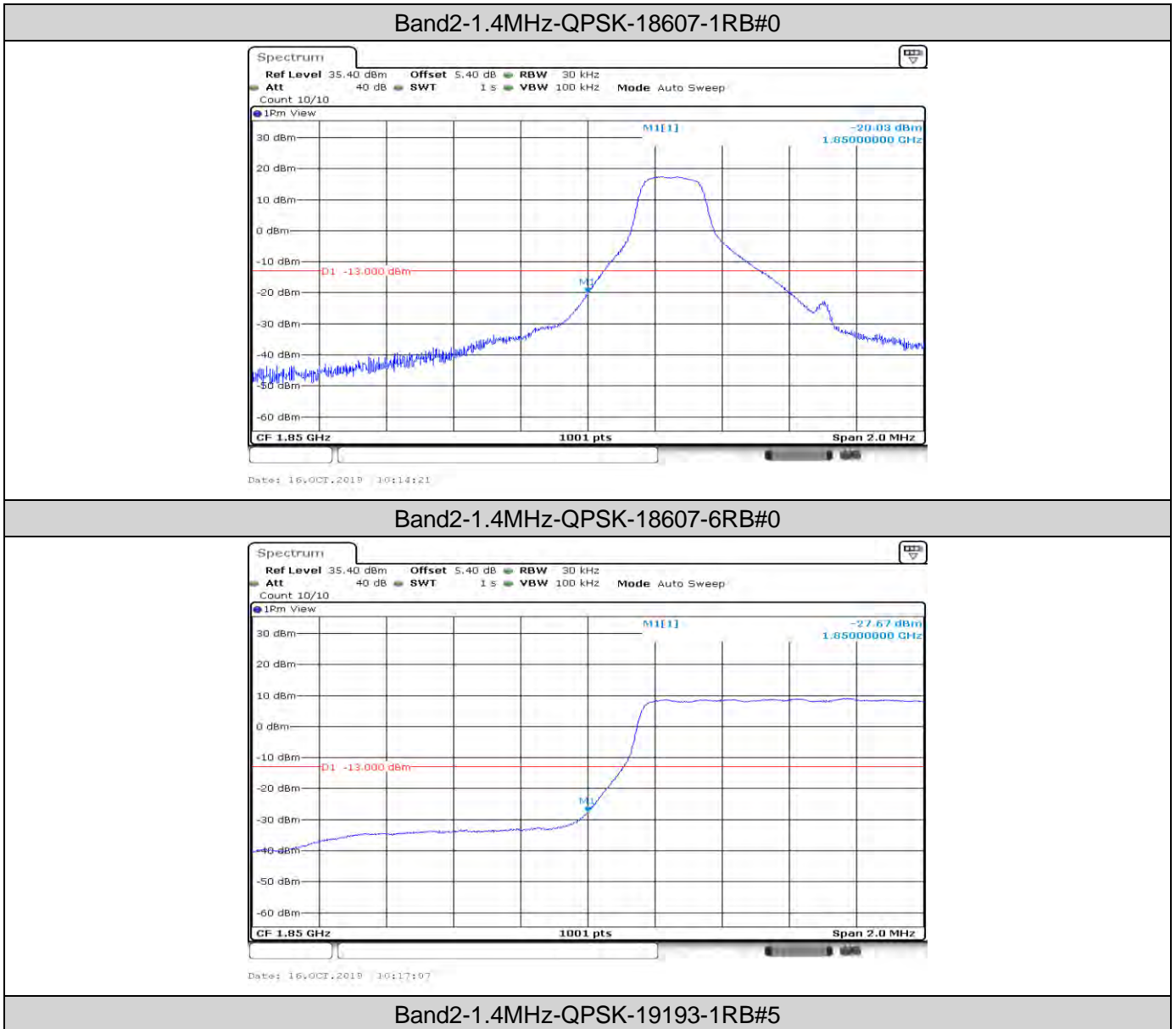


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5. Band Edge Compliance

5.1. Test Plots



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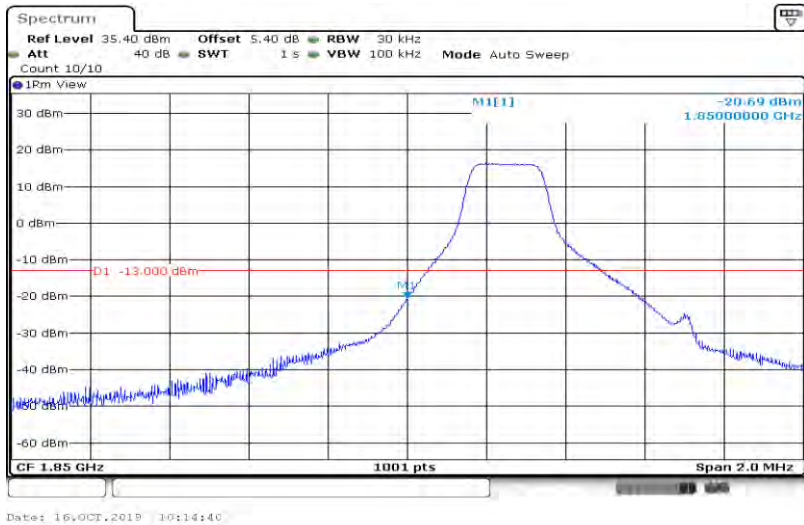
Band2-1.4MHz-QPSK-19193-6RB#0



Band2-1.4MHz-16QAM-18607-1RB#0



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Band2-1.4MHz-16QAM-18607-6RB#0



Band2-1.4MHz-16QAM-19193-1RB#5



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Band2-1.4MHz-16QAM-19193-6RB#0



Band2-3MHz-QPSK-18615-1RB#0



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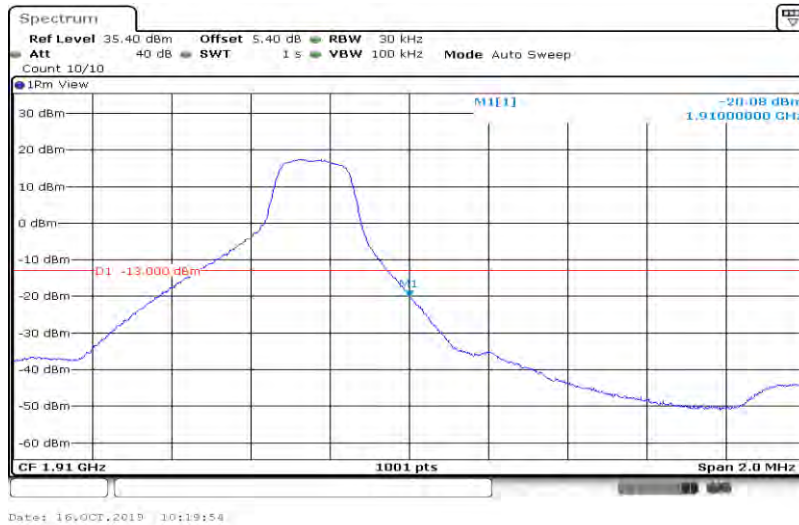
Band2-3MHz-QPSK-18615-15RB#0



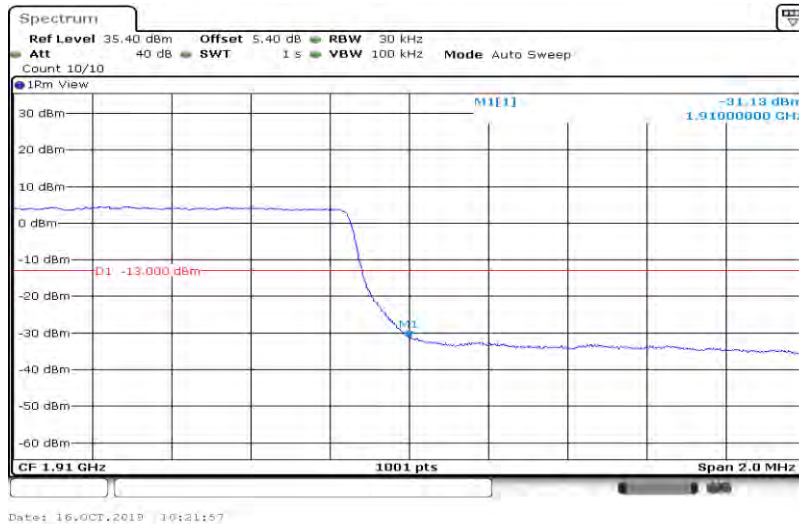
Band2-3MHz-QPSK-19185-1RB#14



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Band2-3MHz-QPSK-19185-15RB#0



Band2-3MHz-16QAM-18615-1RB#0



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Band2-3MHz-16QAM-18615-15RB#0



Band2-3MHz-16QAM-19185-1RB#14



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Band2-3MHz-16QAM-19185-15RB#0



Band2-5MHz-QPSK-18625-1RB#0



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Band2-5MHz-QPSK-18625-25RB#0



Band2-5MHz-QPSK-19175-1RB#24



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Band2-5MHz-QPSK-19175-25RB#0



Band2-5MHz-16QAM-18625-1RB#0



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Band2-5MHz-16QAM-18625-25RB#0



Band2-5MHz-16QAM-19175-1RB#24



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Band2-5MHz-16QAM-19175-25RB#0



Band2-10MHz-QPSK-18650-1RB#0



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Band2-10MHz-QPSK-18650-50RB#0



Band2-10MHz-QPSK-19150-1RB#49



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Band2-10MHz-QPSK-19150-50RB#0



Band2-10MHz-16QAM-18650-1RB#0



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Band2-10MHz-16QAM-18650-50RB#0



Band2-10MHz-16QAM-19150-1RB#49



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Band2-10MHz-16QAM-19150-50RB#0



Band2-15MHz-QPSK-18675-1RB#0



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Date: 16.OCT.2019 10:31:00

Band2-15MHz-QPSK-18675-75RB#0



Date: 16.OCT.2019 10:33:46

Band2-15MHz-QPSK-19125-1RB#74



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Band2-15MHz-QPSK-19125-75RB#0



Band2-15MHz-16QAM-18675-1RB#0



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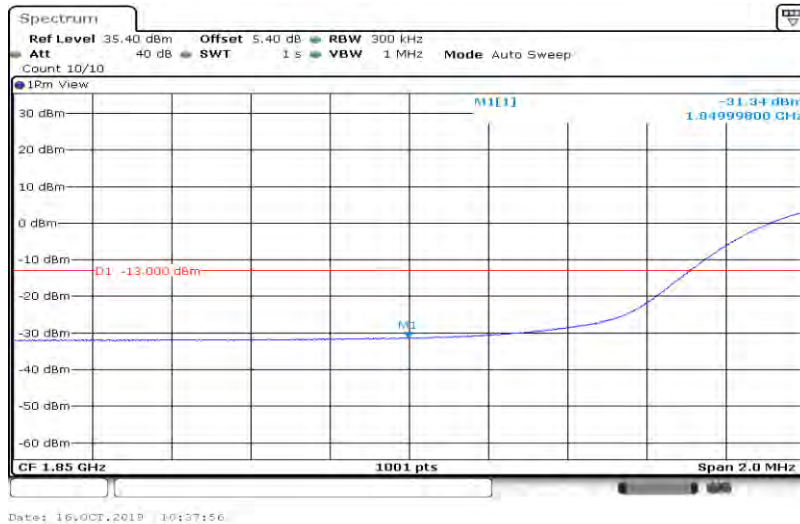
Band2-20MHz-QPSK-18700-1RB#0



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Band2-20MHz-QPSK-18700-100RB#0



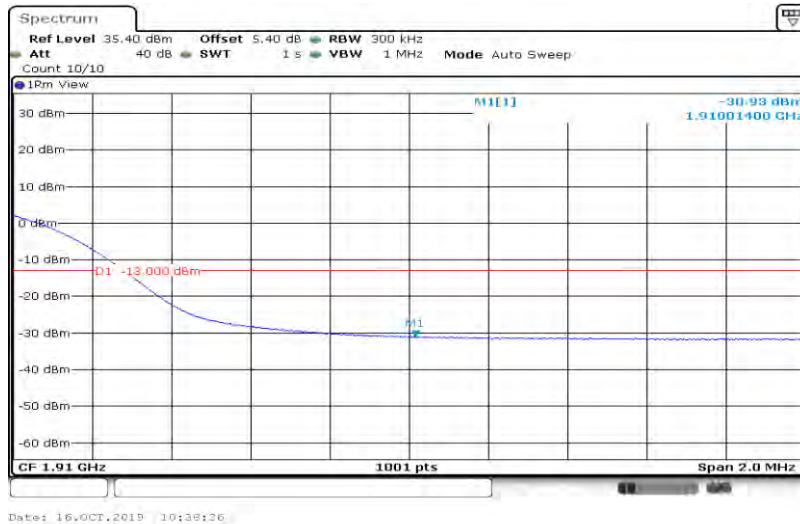
Band2-20MHz-QPSK-19100-1RB#99



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Band2-20MHz-QPSK-19100-100RB#0



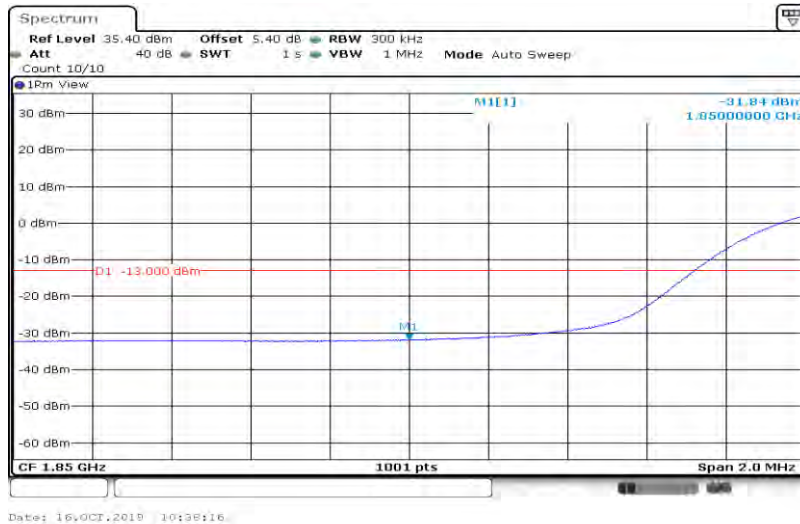
Band2-20MHz-16QAM-18700-1RB#0



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Band2-20MHz-16QAM-18700-100RB#0



Band2-20MHz-16QAM-19100-1RB#99



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Band2-20MHz-16QAM-19100-100RB#0



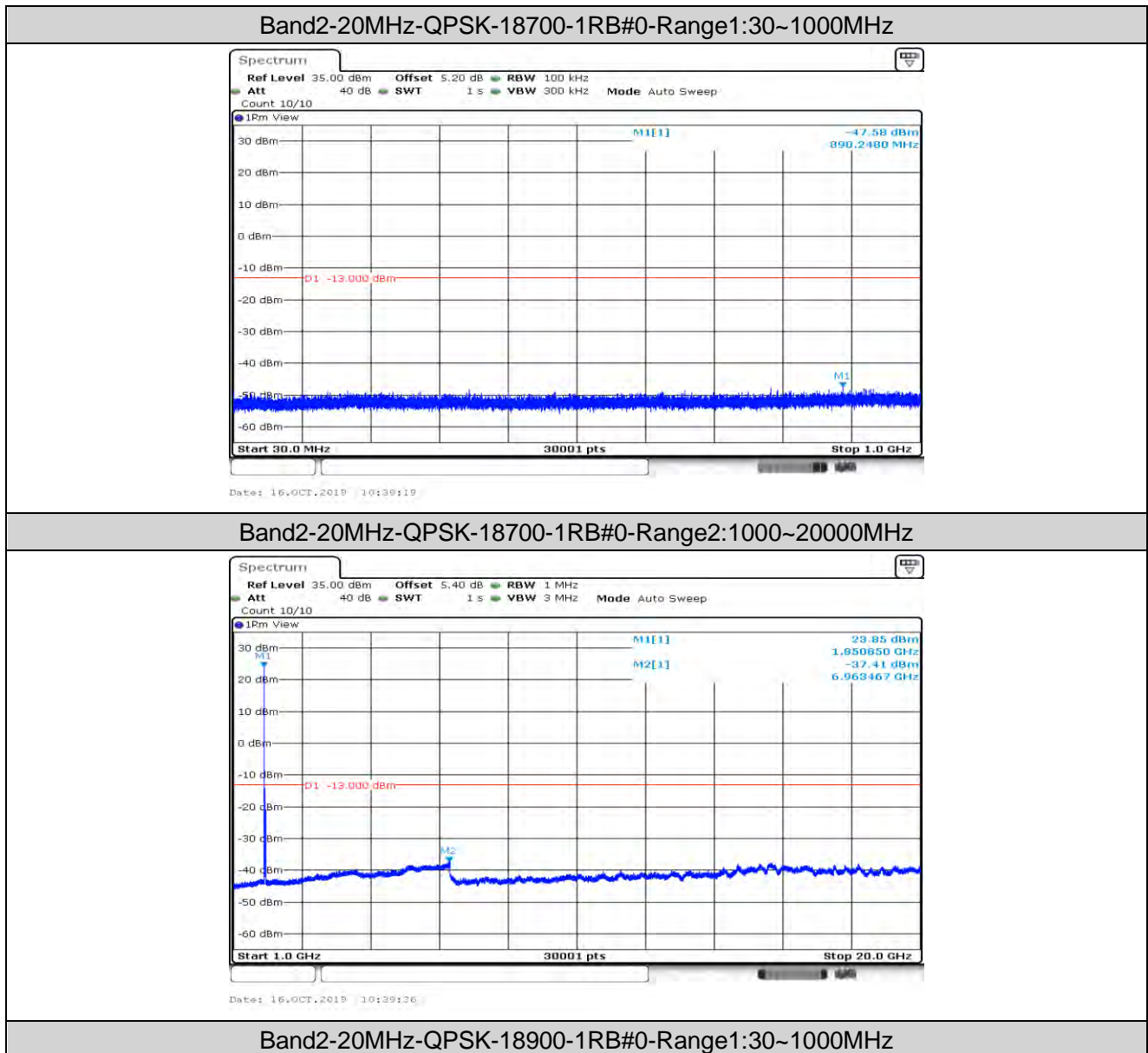
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6. Spurious Emission at Antenna Terminal

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.

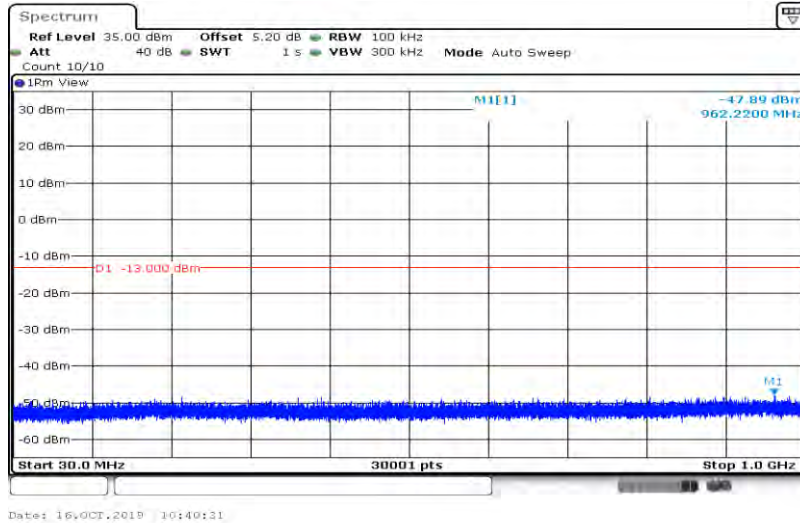
6.1. Test Plots



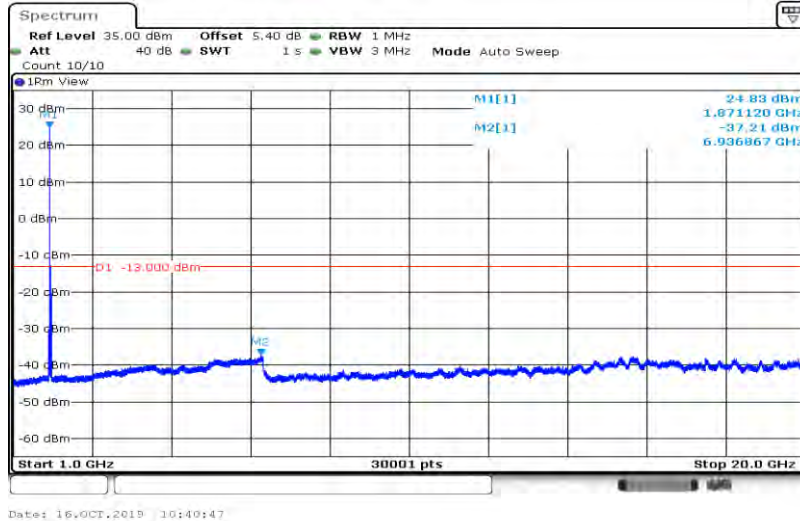
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



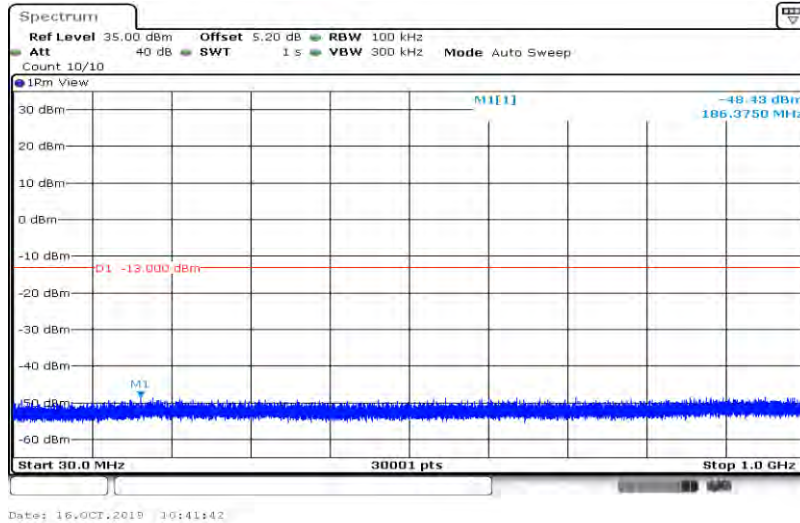
Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



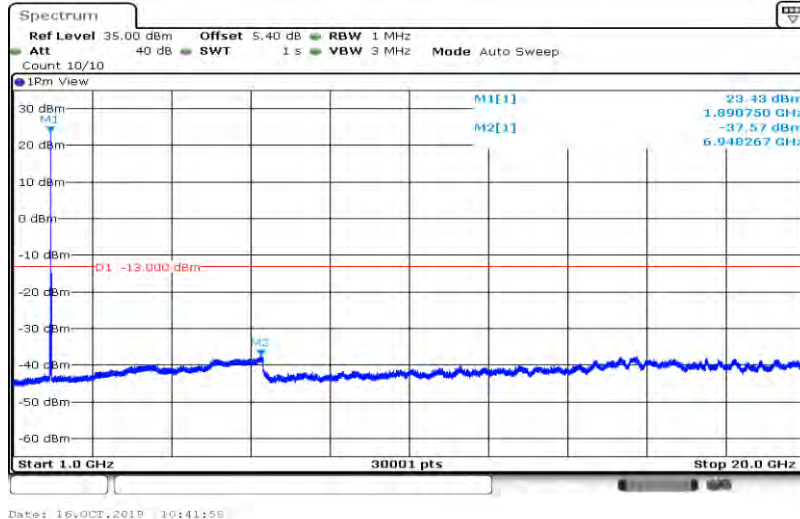
Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz



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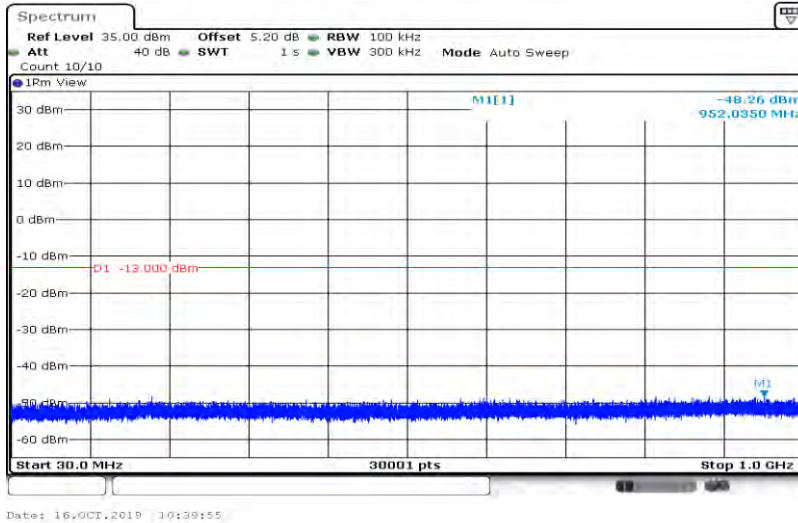
Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



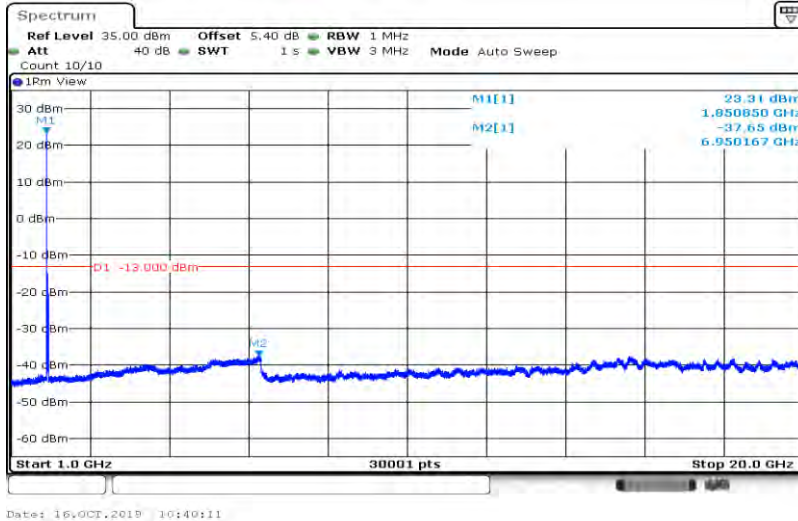
Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz



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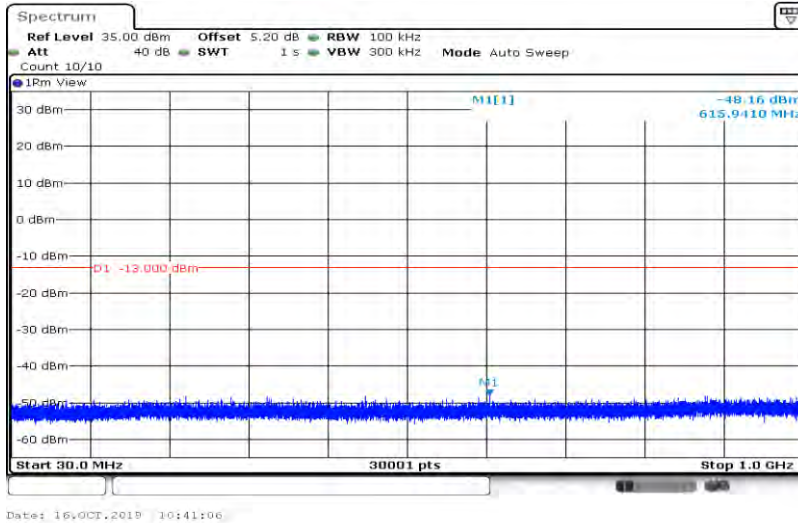
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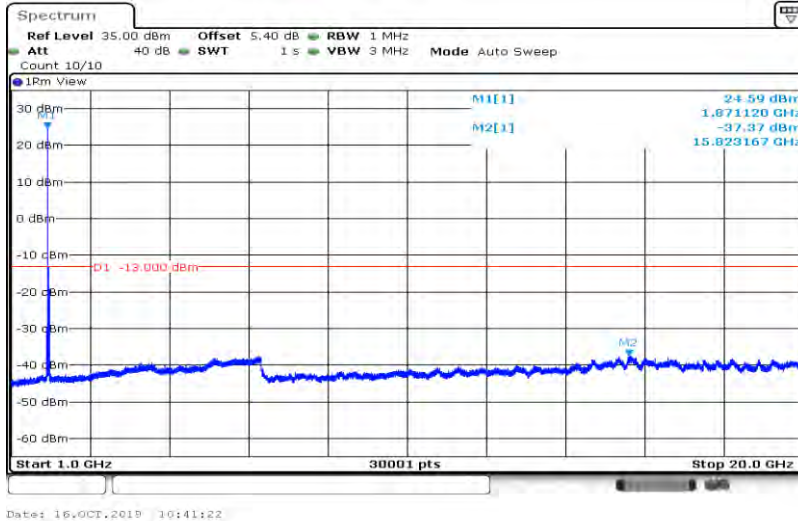
Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



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Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



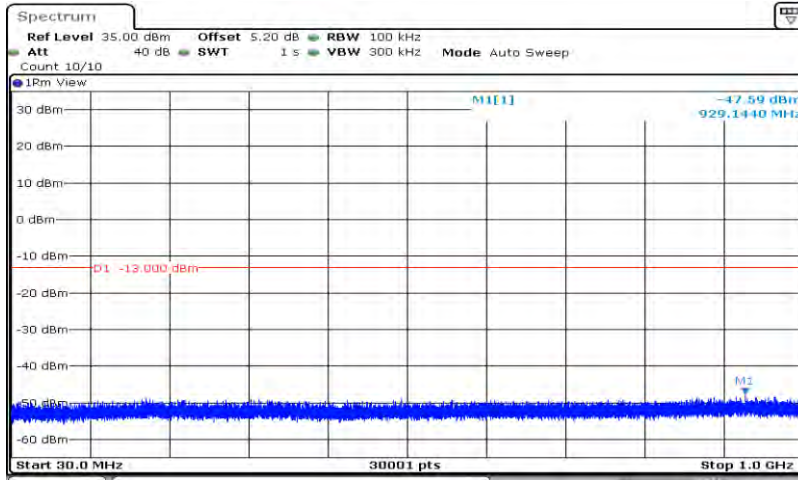
Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz



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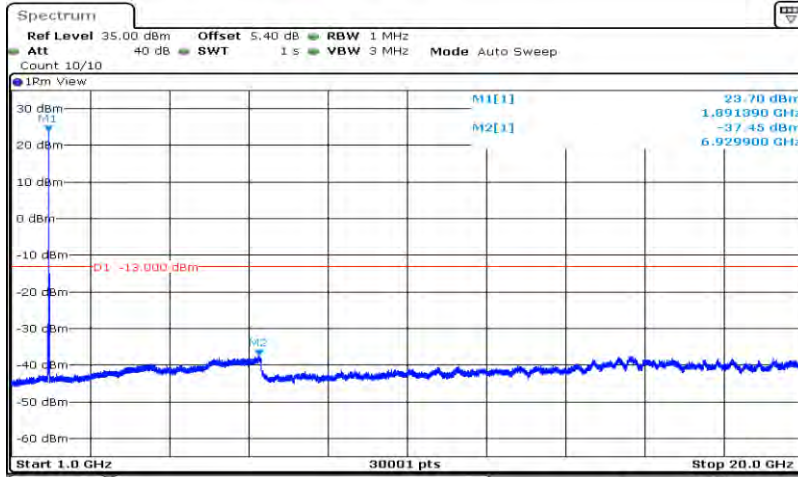
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Date: 16/OCT/2019 10:42:17

Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~20000MHz



Date: 16/OCT/2019 10:42:33



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 48.7219 | -69.93 | -13.00 | 56.93 | Vertical |
| 115.9948 | -64.37 | -13.00 | 51.37 | Vertical |
| 442.1251 | -66.27 | -13.00 | 53.27 | Vertical |
| 2693.5387 | -36.96 | -13.00 | 23.96 | Vertical |
| 8474.1825 | -51.80 | -13.00 | 38.80 | Vertical |
| 17997.9999 | -33.10 | -13.00 | 20.10 | Vertical |
| 44.5022 | -63.26 | -13.00 | 50.26 | Horizontal |
| 236.2323 | -64.18 | -13.00 | 51.18 | Horizontal |
| 549.9460 | -64.42 | -13.00 | 51.42 | Horizontal |
| 2700.7401 | -35.58 | -13.00 | 22.58 | Horizontal |
| 8601.1867 | -52.53 | -13.00 | 39.53 | Horizontal |
| 17991.9997 | -37.78 | -13.00 | 24.78 | Horizontal |

7.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 48.7219 | -69.60 | -13.00 | 56.60 | Vertical |
| 109.6895 | -64.40 | -13.00 | 51.40 | Vertical |
| 382.9036 | -67.29 | -13.00 | 54.29 | Vertical |
| 2705.9412 | -36.96 | -13.00 | 23.96 | Vertical |
| 8488.6830 | -52.38 | -13.00 | 39.38 | Vertical |
| 17981.4994 | -32.85 | -13.00 | 19.85 | Vertical |
| 42.9501 | -63.87 | -13.00 | 50.87 | Horizontal |
| 250.1040 | -66.87 | -13.00 | 53.87 | Horizontal |
| 541.7006 | -65.05 | -13.00 | 52.05 | Horizontal |
| 2702.3405 | -35.62 | -13.00 | 22.62 | Horizontal |
| 5674.5892 | -54.52 | -13.00 | 41.52 | Horizontal |
| 16397.4466 | -37.81 | -13.00 | 24.81 | Horizontal |



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7.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 52.4081 | -71.46 | -13.00 | 58.46 | Vertical |
| 111.4841 | -64.29 | -13.00 | 51.29 | Vertical |
| 347.4969 | -67.75 | -13.00 | 54.75 | Vertical |
| 2707.5415 | -36.76 | -13.00 | 23.76 | Vertical |
| 8560.6854 | -51.49 | -13.00 | 38.49 | Vertical |
| 17995.9999 | -33.01 | -13.00 | 20.01 | Vertical |
| 39.8460 | -63.39 | -13.00 | 50.39 | Horizontal |
| 242.0041 | -67.48 | -13.00 | 54.48 | Horizontal |
| 521.1356 | -65.79 | -13.00 | 52.79 | Horizontal |
| 2702.7405 | -35.52 | -13.00 | 22.52 | Horizontal |
| 8522.6841 | -52.82 | -13.00 | 39.82 | Horizontal |
| 16398.4466 | -38.52 | -13.00 | 25.52 | Horizontal |

Remark:

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



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8. Frequency Stability

8.1. Frequency Vs Voltage

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | VL | NT | -8.70 | -0.004677 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | VN | NT | -0.80 | -0.000430 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | VH | NT | 1.80 | 0.000968 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | VL | NT | -4.00 | -0.002128 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | VN | NT | -16.90 | -0.008989 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | VH | NT | -1.20 | -0.000638 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | VL | NT | -19.40 | -0.010211 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | VN | NT | -13.10 | -0.006895 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | VH | NT | -2.60 | -0.001368 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | VL | NT | -3.80 | -0.002043 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | VN | NT | -1.90 | -0.001022 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | VH | NT | 8.30 | 0.004462 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | VL | NT | -4.50 | -0.002394 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | VN | NT | -5.60 | -0.002979 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | VH | NT | -5.50 | -0.002926 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | VL | NT | -3.80 | -0.002000 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | VN | NT | -9.70 | -0.005105 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | VH | NT | 3.20 | 0.001684 | ±2.5 | PASS |

8.2. Frequency Vs Temperature

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | -30 | 0.90 | 0.000484 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | -20 | -11.70 | -0.006290 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 0 | 1.30 | 0.000699 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 10 | -1.10 | -0.000591 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 20 | -9.40 | -0.005054 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 30 | -2.70 | -0.001452 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 40 | 7.60 | 0.004086 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 50 | -8.20 | -0.004409 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | -30 | -10.80 | -0.005745 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | -20 | -5.70 | -0.003032 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 0 | -1.40 | -0.000745 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 10 | 6.50 | 0.003457 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 20 | -15.70 | -0.008351 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 30 | -10.20 | -0.005426 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 40 | -4.80 | -0.002553 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 50 | -4.60 | -0.002447 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | -30 | -5.20 | -0.002737 | ±2.5 | PASS |



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| | | | | | | | | | | |
|-------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | -20 | 0.70 | 0.000368 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 0 | -2.10 | -0.001105 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 10 | -16.20 | -0.008526 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 20 | -3.90 | -0.002053 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 30 | -26.60 | -0.014000 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 40 | -8.50 | -0.004474 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 50 | 1.40 | 0.000737 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | NV | -30 | -4.10 | -0.002204 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | NV | -20 | -0.30 | -0.000161 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | NV | 0 | 0.00 | 0.000000 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | NV | 10 | -1.40 | -0.000753 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | NV | 20 | -28.40 | -0.015269 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | NV | 30 | -8.20 | -0.004409 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | NV | 40 | -8.50 | -0.004570 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | NV | 50 | -4.20 | -0.002258 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | -30 | -13.20 | -0.007021 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | -20 | -27.10 | -0.014415 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | 0 | -5.70 | -0.003032 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | 10 | 4.10 | 0.002181 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | 20 | -8.60 | -0.004574 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | 30 | -11.80 | -0.006277 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | 40 | -2.00 | -0.001064 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | NV | 50 | -3.00 | -0.001596 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | NV | -30 | -9.50 | -0.005000 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | NV | -20 | 2.70 | 0.001421 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | NV | 0 | -6.10 | -0.003211 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | NV | 10 | 0.20 | 0.000105 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | NV | 20 | -12.10 | -0.006368 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | NV | 30 | -1.20 | -0.000632 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | NV | 40 | -0.50 | -0.000263 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | NV | 50 | -12.10 | -0.006368 | ±2.5 | PASS |

The End



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