



Appendix B

E-UTRA Band 7



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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 |
|-------|-----------|------------|---------|------------------|----------------------|------------|-------------|---------|
| Band7 | 5MHz | QPSK | 20775 | 1RB#0 | 23.09 | 27.09 | 33 | PASS |
| Band7 | 5MHz | QPSK | 20775 | 1RB#12 | 23.18 | 27.18 | 33 | PASS |
| Band7 | 5MHz | QPSK | 20775 | 1RB#24 | 23.19 | 27.19 | 33 | PASS |
| Band7 | 5MHz | QPSK | 20775 | 12RB#6 | 22.27 | 26.27 | 33 | PASS |
| Band7 | 5MHz | QPSK | 20775 | 12RB#0 | 22.23 | 26.23 | 33 | PASS |
| Band7 | 5MHz | QPSK | 20775 | 12RB#13 | 22.30 | 26.3 | 33 | PASS |
| Band7 | 5MHz | QPSK | 20775 | 25RB#0 | 22.32 | 26.32 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21100 | 1RB#24 | 23.22 | 27.22 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21100 | 1RB#0 | 23.18 | 27.18 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21100 | 1RB#12 | 23.20 | 27.2 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21100 | 12RB#0 | 22.29 | 26.29 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21100 | 12RB#6 | 22.27 | 26.27 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21100 | 12RB#13 | 22.32 | 26.32 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21100 | 25RB#0 | 22.34 | 26.34 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 1RB#12 | 23.00 | 27 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 1RB#0 | 22.96 | 26.96 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 1RB#24 | 23.05 | 27.05 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 12RB#13 | 22.12 | 26.12 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 12RB#6 | 22.16 | 26.16 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 12RB#0 | 22.11 | 26.11 | 33 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 25RB#0 | 22.15 | 26.15 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 20775 | 1RB#0 | 22.22 | 26.22 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 20775 | 1RB#24 | 22.41 | 26.41 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 20775 | 1RB#12 | 22.28 | 26.28 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 20775 | 12RB#0 | 21.32 | 25.32 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 20775 | 12RB#6 | 21.38 | 25.38 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 20775 | 12RB#13 | 21.37 | 25.37 | 33 | PASS |



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| | | | | | | | | |
|-------|------|-------|-------|---------|-------|-------|----|------|
| Band7 | 5MHz | 64QAM | 20775 | 25RB#0 | 21.36 | 25.36 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21100 | 1RB#0 | 22.35 | 26.35 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21100 | 1RB#12 | 22.43 | 26.43 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21100 | 1RB#24 | 22.34 | 26.34 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21100 | 12RB#13 | 21.44 | 25.44 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21100 | 12RB#6 | 21.41 | 25.41 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21100 | 12RB#0 | 21.37 | 25.37 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21100 | 25RB#0 | 21.46 | 25.46 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21425 | 1RB#0 | 22.69 | 26.69 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21425 | 1RB#12 | 22.69 | 26.69 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21425 | 1RB#24 | 22.62 | 26.62 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21425 | 12RB#0 | 21.72 | 25.72 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21425 | 12RB#6 | 21.69 | 25.69 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21425 | 12RB#13 | 21.69 | 25.69 | 33 | PASS |
| Band7 | 5MHz | 64QAM | 21425 | 25RB#0 | 21.71 | 25.71 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 20775 | 1RB#0 | 22.25 | 26.25 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 20775 | 1RB#24 | 22.29 | 26.29 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 20775 | 1RB#12 | 22.33 | 26.33 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 20775 | 12RB#13 | 21.31 | 25.31 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 20775 | 12RB#6 | 21.28 | 25.28 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 20775 | 12RB#0 | 21.20 | 25.2 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 20775 | 25RB#0 | 21.25 | 25.25 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21100 | 1RB#0 | 22.30 | 26.3 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21100 | 1RB#12 | 22.32 | 26.32 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21100 | 1RB#24 | 22.33 | 26.33 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21100 | 12RB#0 | 21.19 | 25.19 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21100 | 12RB#6 | 21.32 | 25.32 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21100 | 12RB#13 | 21.25 | 25.25 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21100 | 25RB#0 | 21.26 | 25.26 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21425 | 1RB#0 | 22.16 | 26.16 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21425 | 1RB#24 | 22.17 | 26.17 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21425 | 1RB#12 | 22.29 | 26.29 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21425 | 12RB#0 | 21.14 | 25.14 | 33 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band7 | 5MHz | 16QAM | 21425 | 12RB#6 | 21.15 | 25.15 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21425 | 12RB#13 | 21.17 | 25.17 | 33 | PASS |
| Band7 | 5MHz | 16QAM | 21425 | 25RB#0 | 21.06 | 25.06 | 33 | PASS |
| Band7 | 10MHz | QPSK | 20800 | 1RB#49 | 23.12 | 27.12 | 33 | PASS |
| Band7 | 10MHz | QPSK | 20800 | 1RB#24 | 22.99 | 26.99 | 33 | PASS |
| Band7 | 10MHz | QPSK | 20800 | 1RB#0 | 23.12 | 27.12 | 33 | PASS |
| Band7 | 10MHz | QPSK | 20800 | 25RB#12 | 22.25 | 26.25 | 33 | PASS |
| Band7 | 10MHz | QPSK | 20800 | 25RB#0 | 22.26 | 26.26 | 33 | PASS |
| Band7 | 10MHz | QPSK | 20800 | 25RB#25 | 22.28 | 26.28 | 33 | PASS |
| Band7 | 10MHz | QPSK | 20800 | 50RB#0 | 22.25 | 26.25 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21100 | 1RB#24 | 23.00 | 27 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21100 | 1RB#49 | 23.08 | 27.08 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21100 | 1RB#0 | 23.18 | 27.18 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21100 | 25RB#25 | 22.27 | 26.27 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21100 | 25RB#0 | 22.33 | 26.33 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21100 | 25RB#12 | 22.26 | 26.26 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21100 | 50RB#0 | 22.28 | 26.28 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21400 | 1RB#49 | 22.96 | 26.96 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21400 | 1RB#24 | 22.90 | 26.9 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21400 | 1RB#0 | 23.00 | 27 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21400 | 25RB#25 | 22.06 | 26.06 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21400 | 25RB#0 | 22.12 | 26.12 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21400 | 25RB#12 | 22.15 | 26.15 | 33 | PASS |
| Band7 | 10MHz | QPSK | 21400 | 50RB#0 | 22.14 | 26.14 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#24 | 22.19 | 26.19 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#49 | 22.27 | 26.27 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 1RB#0 | 22.27 | 26.27 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 25RB#0 | 21.34 | 25.34 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 25RB#12 | 21.31 | 25.31 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 25RB#25 | 21.27 | 25.27 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 50RB#0 | 21.31 | 25.31 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#49 | 22.32 | 26.32 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 1RB#0 | 22.34 | 26.34 | 33 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band7 | 10MHz | 64QAM | 21100 | 1RB#24 | 22.25 | 26.25 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 25RB#0 | 21.39 | 25.39 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 25RB#12 | 21.38 | 25.38 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 25RB#25 | 21.34 | 25.34 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 50RB#0 | 21.36 | 25.36 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#0 | 22.79 | 26.79 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#49 | 22.65 | 26.65 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 1RB#24 | 22.55 | 26.55 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 25RB#25 | 21.62 | 25.62 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 25RB#0 | 21.70 | 25.7 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 25RB#12 | 21.68 | 25.68 | 33 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 50RB#0 | 21.68 | 25.68 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0 | 22.36 | 26.36 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#24 | 22.23 | 26.23 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#49 | 22.39 | 26.39 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#12 | 21.19 | 25.19 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#0 | 21.19 | 25.19 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#25 | 21.21 | 25.21 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | 21.17 | 25.17 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0 | 22.30 | 26.3 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#49 | 22.27 | 26.27 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#24 | 22.11 | 26.11 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#0 | 21.20 | 25.2 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#25 | 21.13 | 25.13 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#12 | 21.23 | 25.23 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | 21.19 | 25.19 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0 | 22.29 | 26.29 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#49 | 22.14 | 26.14 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#24 | 22.08 | 26.08 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#0 | 21.11 | 25.11 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#12 | 21.11 | 25.11 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#25 | 21.03 | 25.03 | 33 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | 21.07 | 25.07 | 33 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band7 | 15MHz | QPSK | 20825 | 1RB#74 | 23.24 | 27.24 | 33 | PASS |
| Band7 | 15MHz | QPSK | 20825 | 1RB#38 | 23.26 | 27.26 | 33 | PASS |
| Band7 | 15MHz | QPSK | 20825 | 1RB#0 | 23.27 | 27.27 | 33 | PASS |
| Band7 | 15MHz | QPSK | 20825 | 36RB#39 | 22.41 | 26.41 | 33 | PASS |
| Band7 | 15MHz | QPSK | 20825 | 36RB#18 | 22.38 | 26.38 | 33 | PASS |
| Band7 | 15MHz | QPSK | 20825 | 36RB#0 | 22.35 | 26.35 | 33 | PASS |
| Band7 | 15MHz | QPSK | 20825 | 75RB#0 | 22.38 | 26.38 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21100 | 1RB#0 | 23.24 | 27.24 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21100 | 1RB#38 | 23.22 | 27.22 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21100 | 1RB#74 | 23.21 | 27.21 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21100 | 36RB#0 | 22.43 | 26.43 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21100 | 36RB#18 | 22.40 | 26.4 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21100 | 36RB#39 | 22.34 | 26.34 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21100 | 75RB#0 | 22.39 | 26.39 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21375 | 1RB#0 | 23.23 | 27.23 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21375 | 1RB#38 | 23.15 | 27.15 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21375 | 1RB#74 | 23.11 | 27.11 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21375 | 36RB#0 | 22.34 | 26.34 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21375 | 36RB#18 | 22.28 | 26.28 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21375 | 36RB#39 | 22.24 | 26.24 | 33 | PASS |
| Band7 | 15MHz | QPSK | 21375 | 75RB#0 | 22.30 | 26.3 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#74 | 22.36 | 26.36 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#38 | 22.40 | 26.4 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 1RB#0 | 22.38 | 26.38 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 36RB#0 | 21.35 | 25.35 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 36RB#18 | 21.39 | 25.39 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 36RB#39 | 21.43 | 25.43 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 75RB#0 | 21.39 | 25.39 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 1RB#38 | 22.37 | 26.37 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 1RB#74 | 22.40 | 26.4 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 1RB#0 | 22.43 | 26.43 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 36RB#39 | 21.41 | 25.41 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 36RB#0 | 21.45 | 25.45 | 33 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band7 | 15MHz | 64QAM | 21100 | 36RB#18 | 21.46 | 25.46 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 75RB#0 | 21.44 | 25.44 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 1RB#0 | 22.86 | 26.86 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 1RB#38 | 22.75 | 26.75 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 1RB#74 | 22.83 | 26.83 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 36RB#18 | 21.77 | 25.77 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 36RB#0 | 21.76 | 25.76 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 36RB#39 | 21.75 | 25.75 | 33 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 75RB#0 | 21.80 | 25.8 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#38 | 22.49 | 26.49 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0 | 22.42 | 26.42 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#74 | 22.57 | 26.57 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 36RB#0 | 21.32 | 25.32 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 36RB#39 | 21.38 | 25.38 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 36RB#18 | 21.39 | 25.39 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | 21.38 | 25.38 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#38 | 22.37 | 26.37 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#74 | 22.35 | 26.35 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0 | 22.35 | 26.35 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 36RB#0 | 21.33 | 25.33 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 36RB#18 | 21.35 | 25.35 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 36RB#39 | 21.31 | 25.31 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0 | 21.33 | 25.33 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0 | 22.49 | 26.49 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#38 | 22.29 | 26.29 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#74 | 22.24 | 26.24 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 36RB#0 | 21.30 | 25.3 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 36RB#18 | 21.32 | 25.32 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 36RB#39 | 21.25 | 25.25 | 33 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0 | 21.28 | 25.28 | 33 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 1RB#0 | 23.29 | 27.29 | 33 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 1RB#49 | 23.26 | 27.26 | 33 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 1RB#99 | 23.31 | 27.31 | 33 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band7 | 20MHz | QPSK | 20850 | 50RB#25 | 22.48 | 26.48 | 33 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 50RB#0 | 22.40 | 26.4 | 33 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 50RB#50 | 22.49 | 26.49 | 33 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | 22.38 | 26.38 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 1RB#99 | 23.19 | 27.19 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 1RB#0 | 23.32 | 27.32 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 1RB#49 | 23.27 | 27.27 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 50RB#0 | 22.47 | 26.47 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 50RB#25 | 22.44 | 26.44 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 50RB#50 | 22.44 | 26.44 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | 22.45 | 26.45 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 1RB#49 | 23.15 | 27.15 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 1RB#0 | 23.33 | 27.33 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 1RB#99 | 23.04 | 27.04 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 50RB#25 | 22.37 | 26.37 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 50RB#0 | 22.44 | 26.44 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 50RB#50 | 22.24 | 26.24 | 33 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | 22.31 | 26.31 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#0 | 22.47 | 26.47 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#49 | 22.39 | 26.39 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 1RB#99 | 22.38 | 26.38 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 50RB#50 | 21.48 | 25.48 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 50RB#0 | 21.46 | 25.46 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 50RB#25 | 21.47 | 25.47 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | 21.43 | 25.43 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#0 | 22.46 | 26.46 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#49 | 22.37 | 26.37 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 1RB#99 | 22.39 | 26.39 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 50RB#0 | 21.49 | 25.49 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 50RB#25 | 21.53 | 25.53 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 50RB#50 | 21.50 | 25.5 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | 21.44 | 25.44 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 1RB#99 | 22.66 | 26.66 | 33 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band7 | 20MHz | 64QAM | 21350 | 1RB#0 | 22.71 | 26.71 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 1RB#49 | 22.72 | 26.72 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 50RB#0 | 21.78 | 25.78 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 50RB#50 | 21.73 | 25.73 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 50RB#25 | 21.79 | 25.79 | 33 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | 21.73 | 25.73 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0 | 22.50 | 26.5 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#49 | 22.60 | 26.6 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#99 | 22.55 | 26.55 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#0 | 21.36 | 25.36 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#25 | 21.42 | 25.42 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#50 | 21.48 | 25.48 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 21.40 | 25.4 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#0 | 22.47 | 26.47 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#99 | 22.47 | 26.47 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 1RB#49 | 22.37 | 26.37 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#0 | 21.40 | 25.4 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#25 | 21.37 | 25.37 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 50RB#50 | 21.34 | 25.34 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 21.34 | 25.34 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#0 | 22.48 | 26.48 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#99 | 22.31 | 26.31 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 1RB#49 | 22.40 | 26.4 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#50 | 21.20 | 25.2 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#25 | 21.36 | 25.36 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 50RB#0 | 21.42 | 25.42 | 33 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 21.31 | 25.31 | 33 | 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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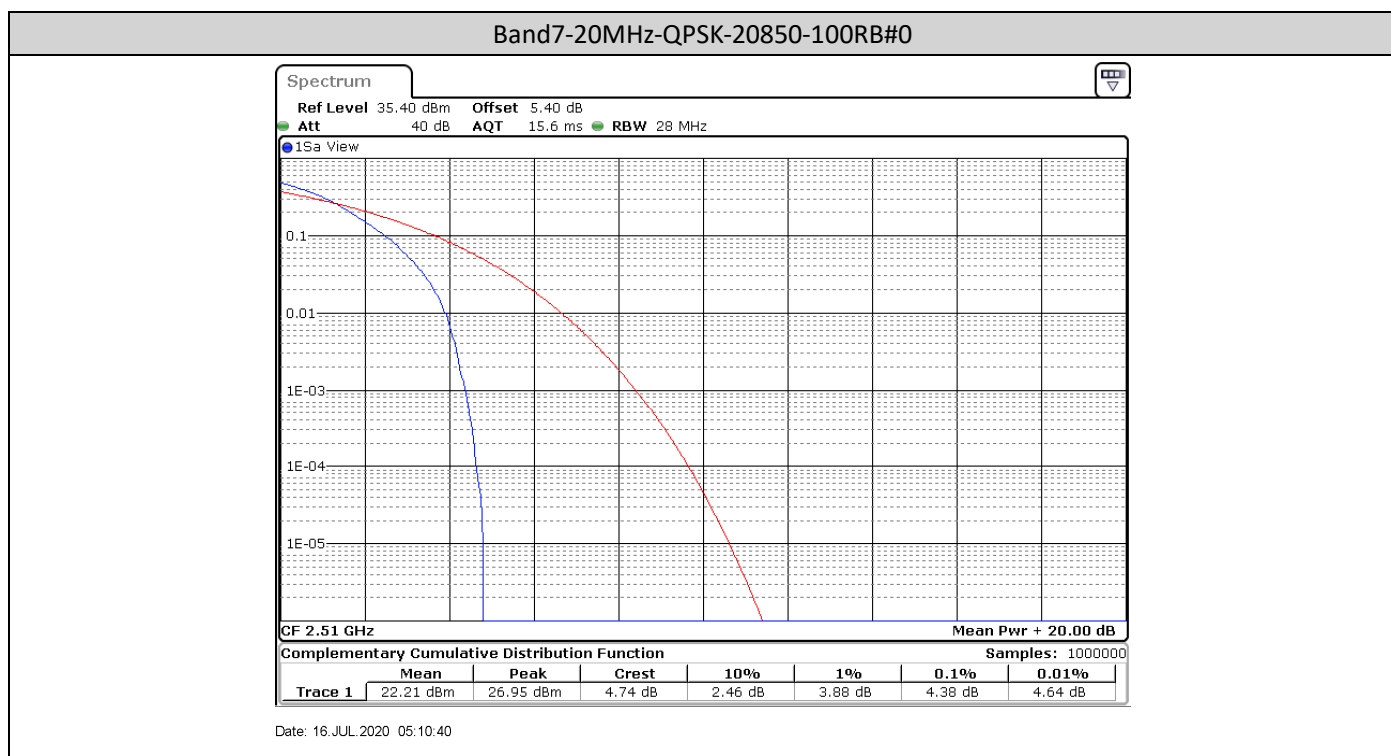


2. Peak-to-Average Ratio (CCDF)

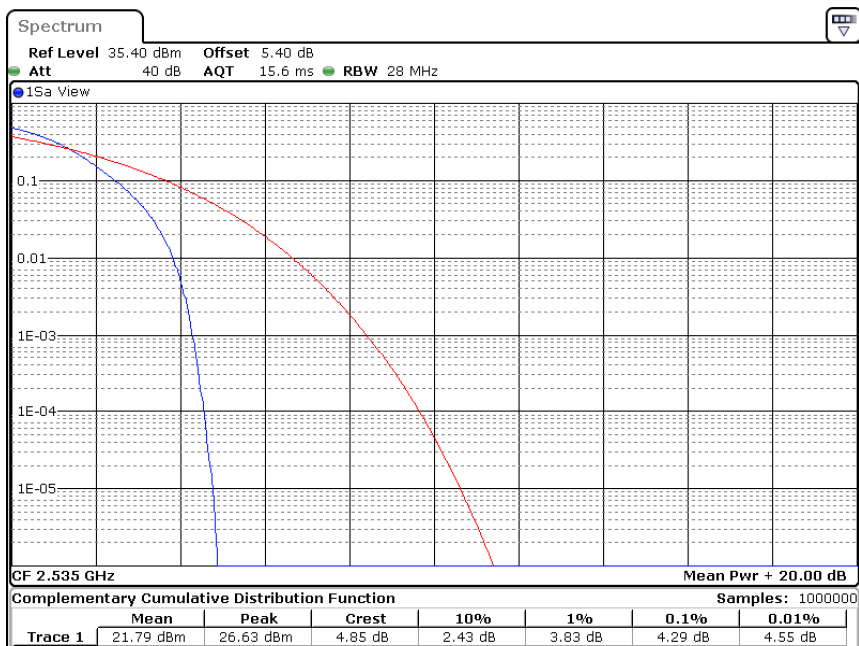
2.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | 4.38 | 13 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | 4.29 | 13 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | 4.35 | 13 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | 5.62 | 13 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | 4.99 | 13 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | 5.74 | 13 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 5.48 | 13 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 5.33 | 13 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 5.45 | 13 | PASS |

2.2. Test Plots

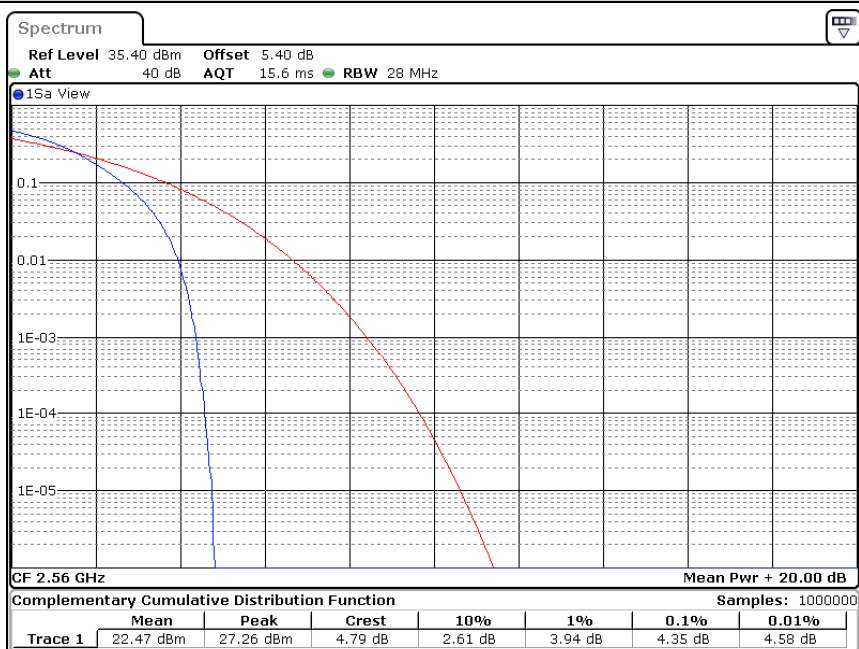


Band7-20MHz-QPSK-21100-100RB#0



Date: 16 JUL 2020 05:11:03

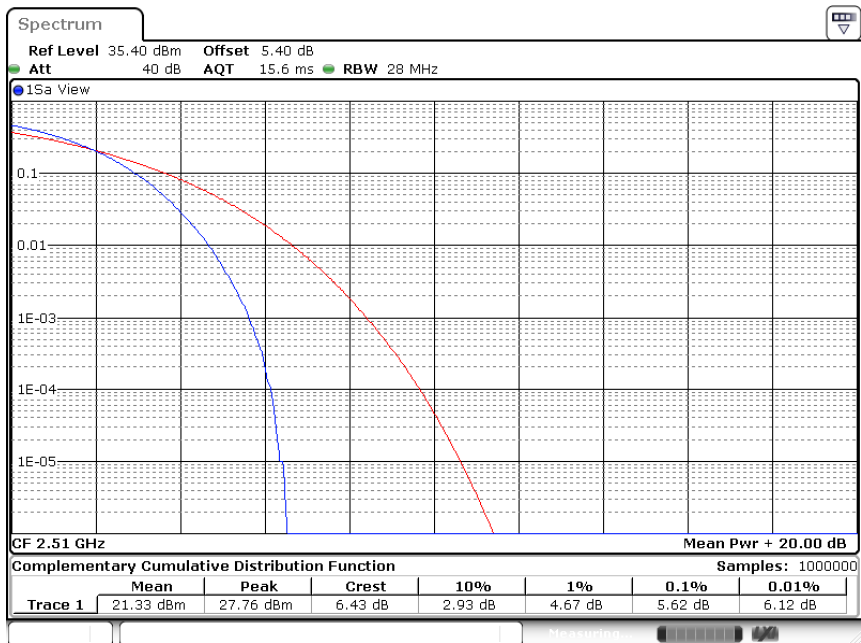
Band7-20MHz-QPSK-21350-100RB#0



Date: 16 JUL 2020 05:11:26

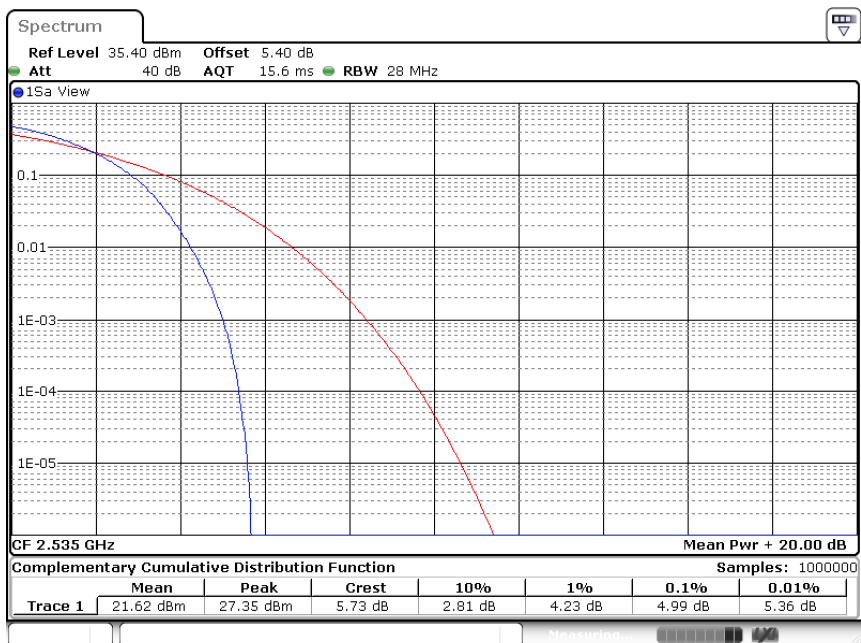


Band7-20MHz-64QAM-20850-100RB#0



Date: 11.AUG.2020 00:11:32

Band7-20MHz-64QAM-21100-100RB#0



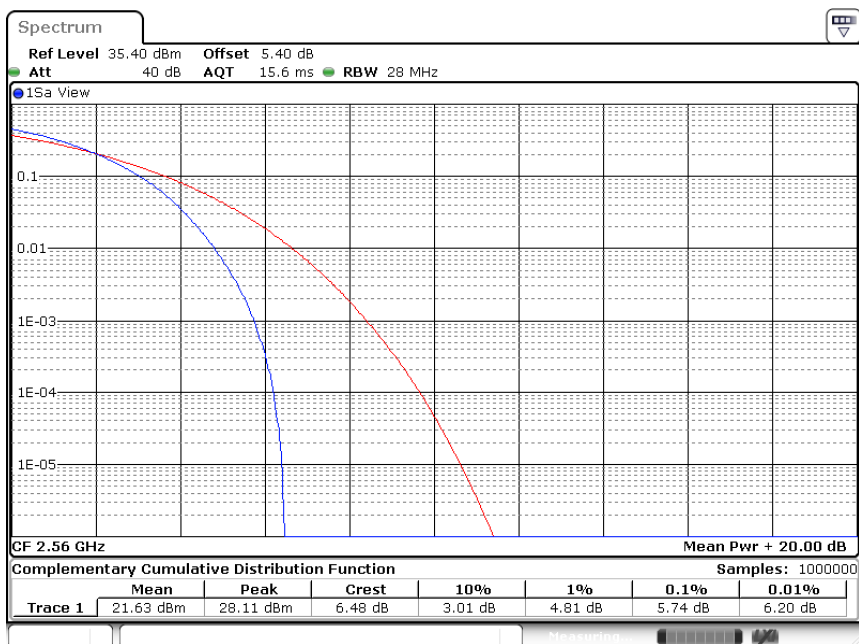
Date: 11.AUG.2020 00:11:43



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Band7-20MHz-64QAM-21350-100RB#0



Date: 11.AUG.2020 00:11:55

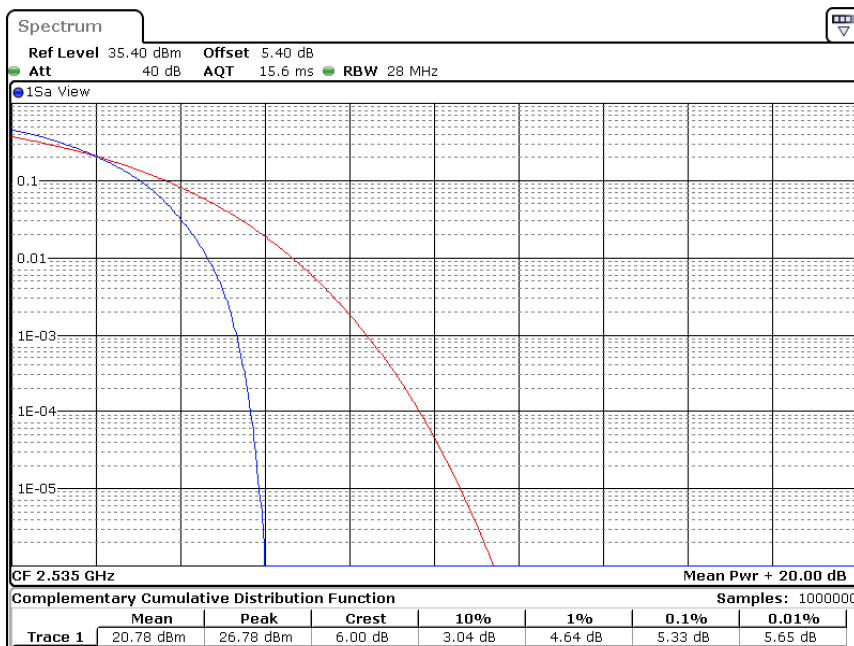
Band7-20MHz-16QAM-20850-100RB#0



Date: 16.JUL.2020 05:10:51



Band7-20MHz-16QAM-21100-100RB#0



Date: 16 JUL 2020 05:11:15

Band7-20MHz-16QAM-21350-100RB#0



Date: 16 JUL 2020 05:11:38



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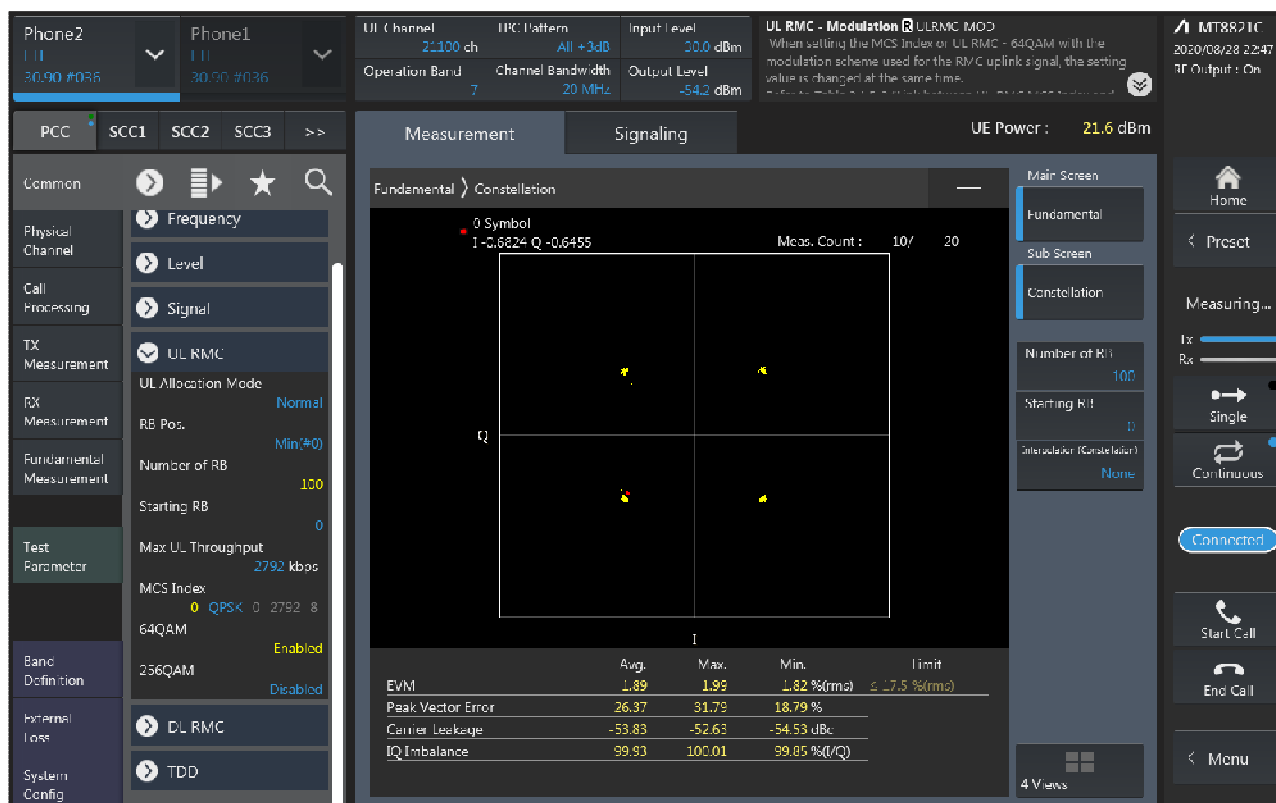
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3. Modulation Characteristics

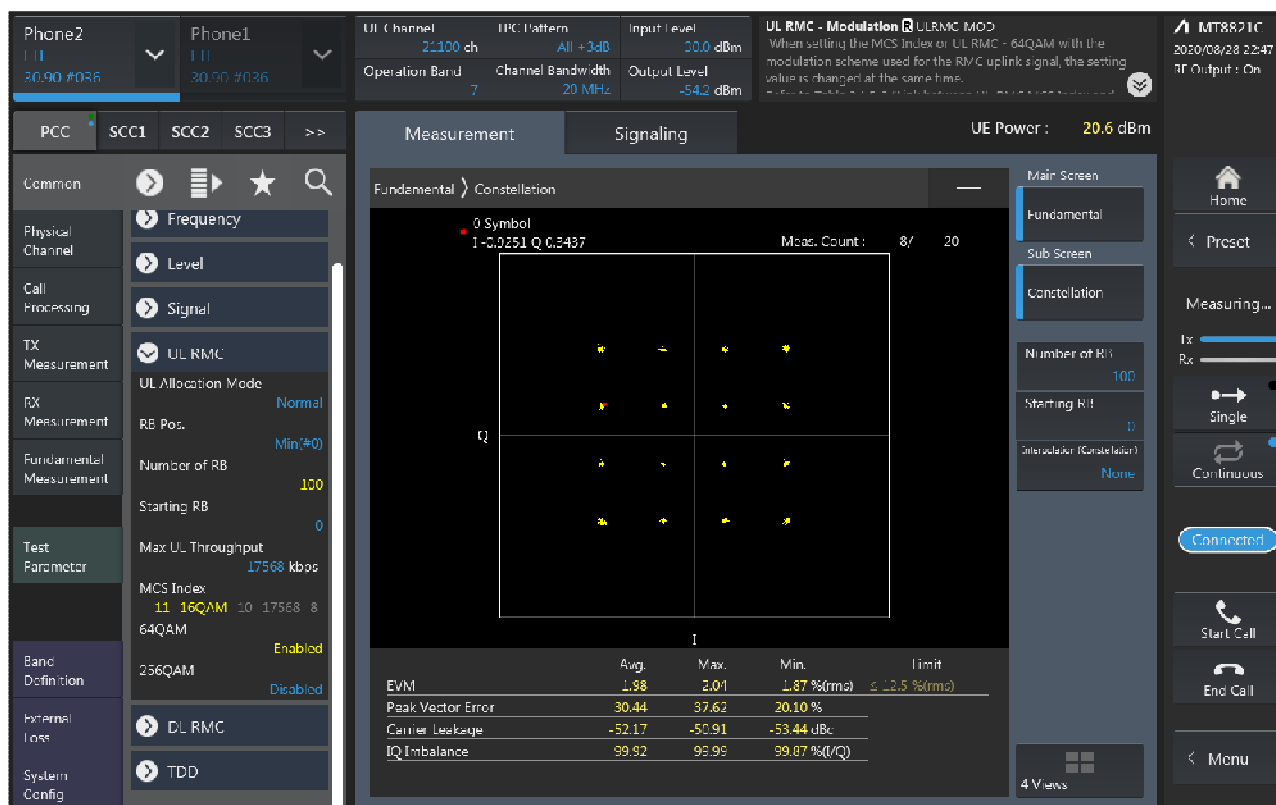
3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



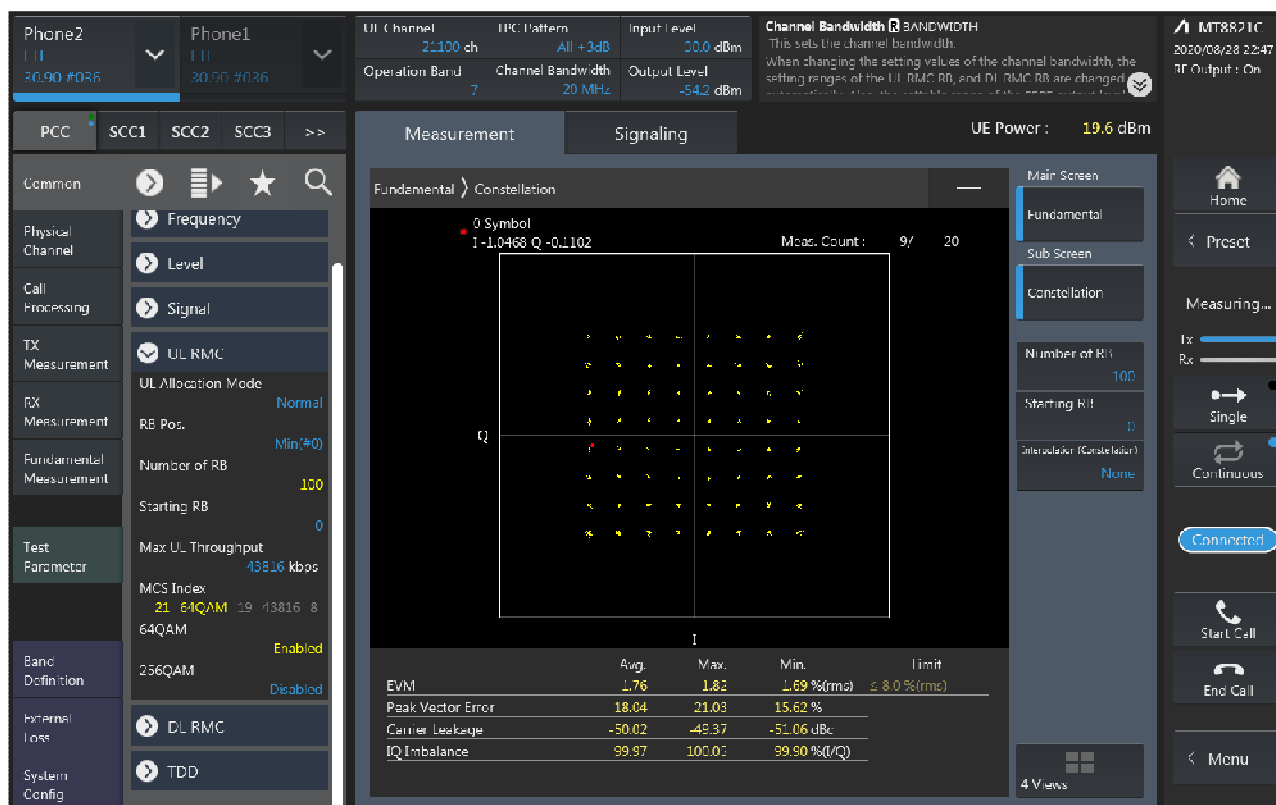
3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band7 | 5MHz | QPSK | 20775 | 25RB#0 | 4.466 | 4.890 | PASS |
| Band7 | 5MHz | QPSK | 21100 | 25RB#0 | 4.476 | 4.870 | PASS |
| Band7 | 5MHz | QPSK | 21425 | 25RB#0 | 4.466 | 4.880 | PASS |
| Band7 | 5MHz | 64QAM | 20775 | 25RB#0 | 4.476 | 4.720 | PASS |
| Band7 | 5MHz | 64QAM | 21100 | 25RB#0 | 4.496 | 5.030 | PASS |
| Band7 | 5MHz | 64QAM | 21425 | 25RB#0 | 4.486 | 4.800 | PASS |
| Band7 | 5MHz | 16QAM | 20775 | 25RB#0 | 4.476 | 4.890 | PASS |
| Band7 | 5MHz | 16QAM | 21100 | 25RB#0 | 4.486 | 4.930 | PASS |
| Band7 | 5MHz | 16QAM | 21425 | 25RB#0 | 4.486 | 4.920 | PASS |
| Band7 | 10MHz | QPSK | 20800 | 50RB#0 | 8.931 | 9.620 | PASS |
| Band7 | 10MHz | QPSK | 21100 | 50RB#0 | 8.931 | 9.640 | PASS |
| Band7 | 10MHz | QPSK | 21400 | 50RB#0 | 8.931 | 9.660 | PASS |
| Band7 | 10MHz | 64QAM | 20800 | 50RB#0 | 8.931 | 9.700 | PASS |
| Band7 | 10MHz | 64QAM | 21100 | 50RB#0 | 8.951 | 9.800 | PASS |
| Band7 | 10MHz | 64QAM | 21400 | 50RB#0 | 8.911 | 9.640 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | 8.931 | 9.700 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | 8.931 | 9.720 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | 8.931 | 9.700 | PASS |
| Band7 | 15MHz | QPSK | 20825 | 75RB#0 | 13.457 | 14.730 | PASS |
| Band7 | 15MHz | QPSK | 21100 | 75RB#0 | 13.457 | 14.670 | PASS |
| Band7 | 15MHz | QPSK | 21375 | 75RB#0 | 13.427 | 14.730 | PASS |
| Band7 | 15MHz | 64QAM | 20825 | 75RB#0 | 13.427 | 14.820 | PASS |
| Band7 | 15MHz | 64QAM | 21100 | 75RB#0 | 13.457 | 14.820 | PASS |
| Band7 | 15MHz | 64QAM | 21375 | 75RB#0 | 13.457 | 14.700 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | 13.427 | 14.700 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0 | 13.457 | 14.700 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0 | 13.457 | 14.730 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | 17.862 | 19.400 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | 17.902 | 19.560 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | 17.902 | 19.480 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | 17.862 | 19.320 | PASS |



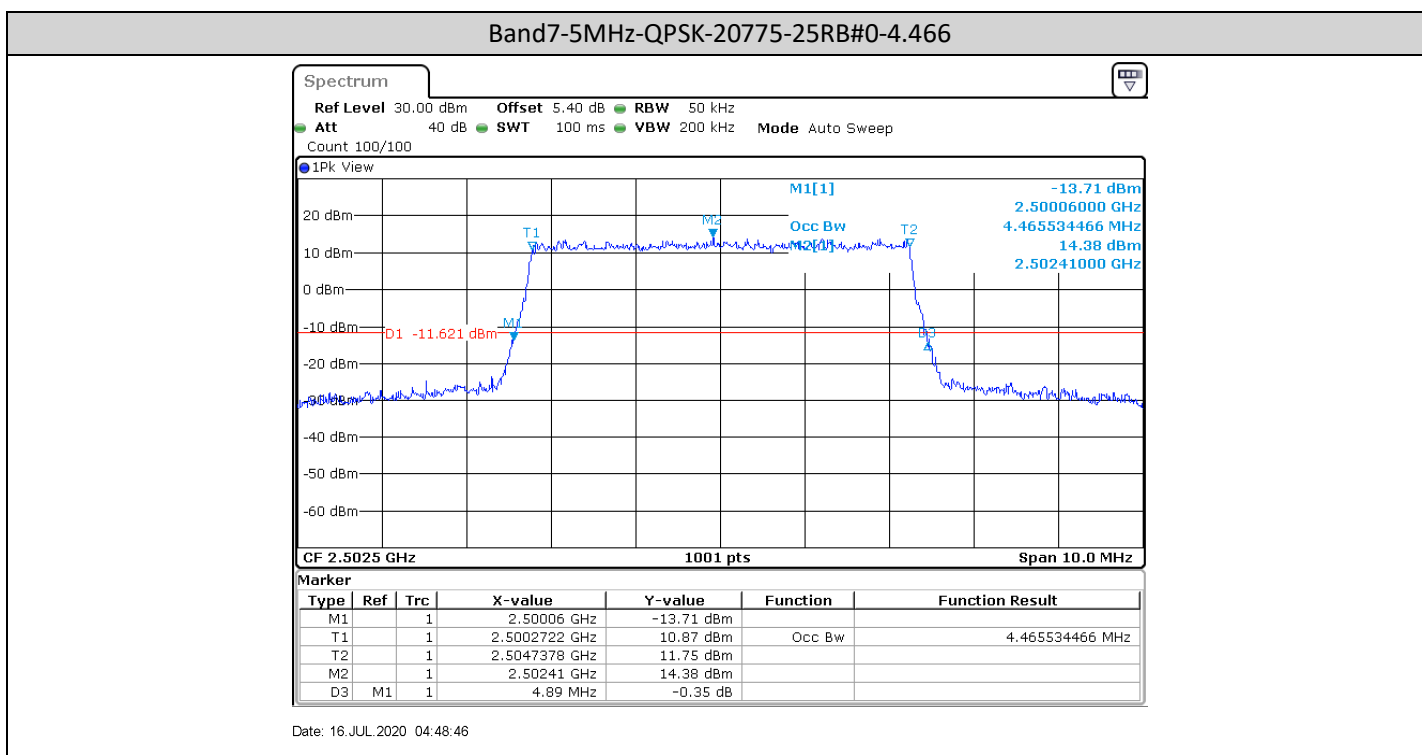
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| | | | | | | | |
|-------|-------|-------|-------|---------|--------|--------|------|
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | 17.942 | 19.600 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | 17.902 | 19.440 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 17.862 | 19.280 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | 17.862 | 19.440 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | 17.902 | 19.480 | PASS |

4.2. Test Plots



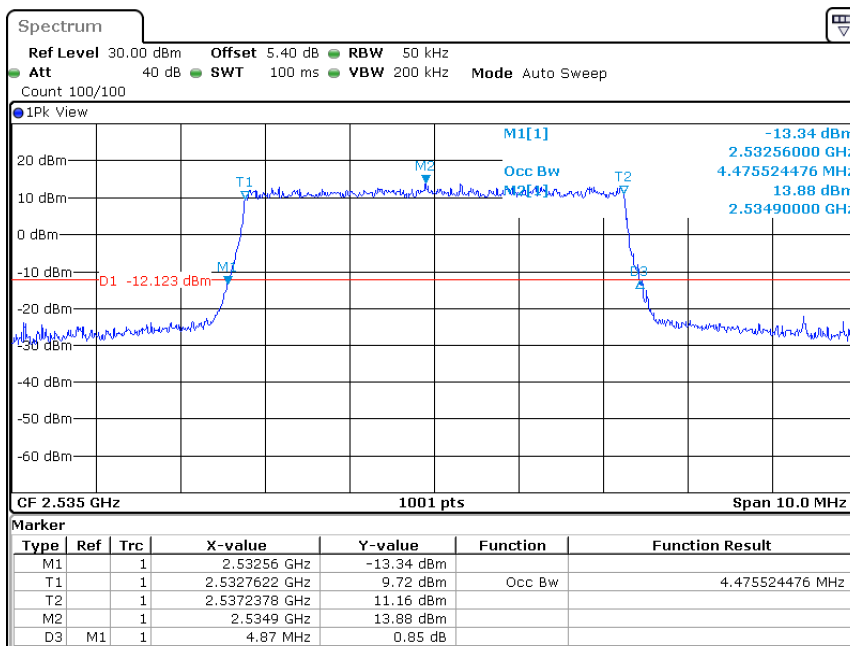
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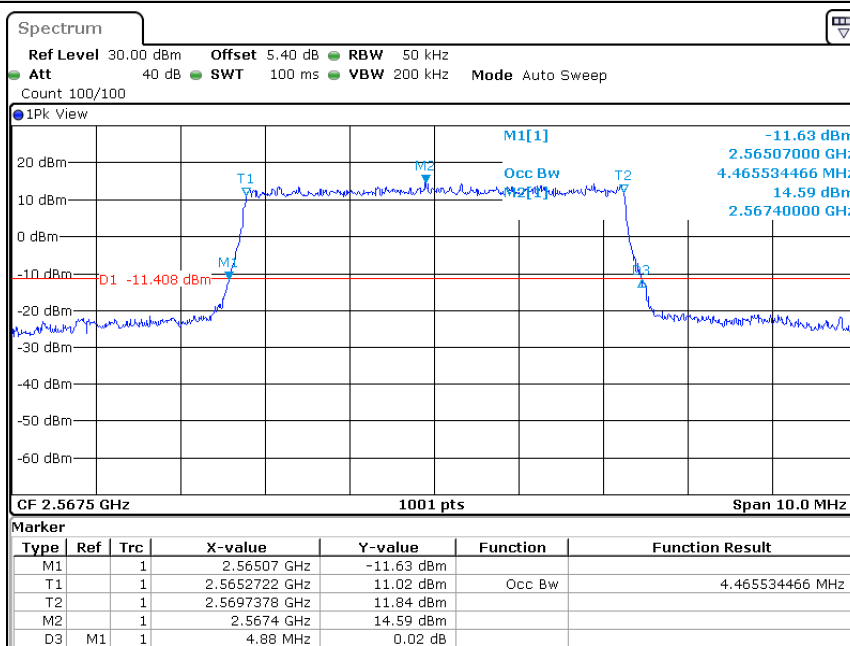


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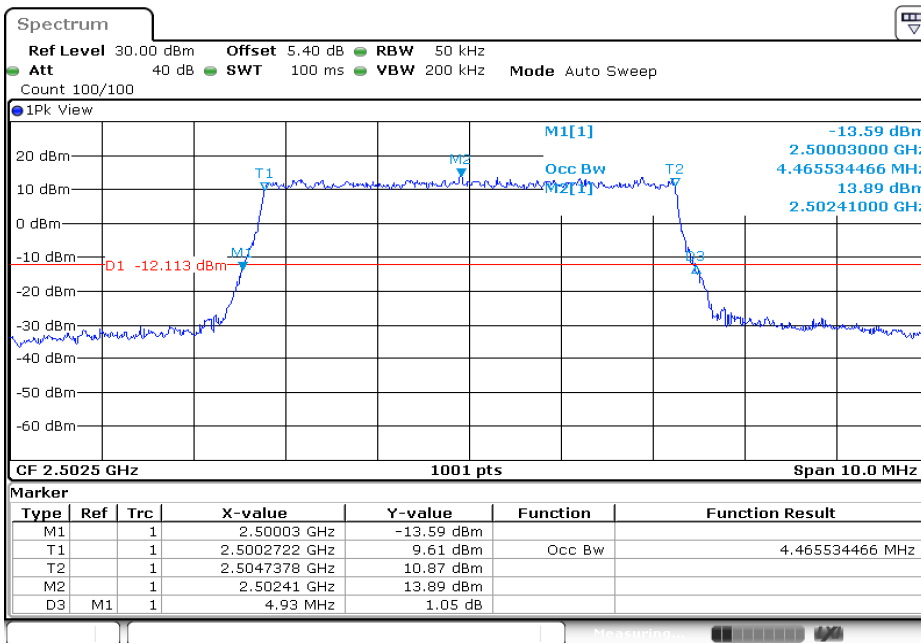
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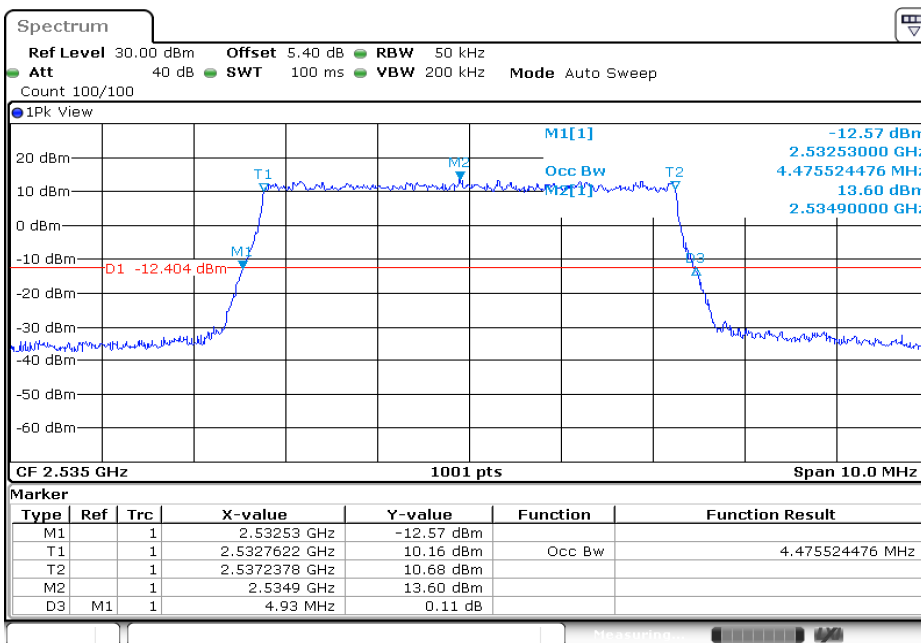


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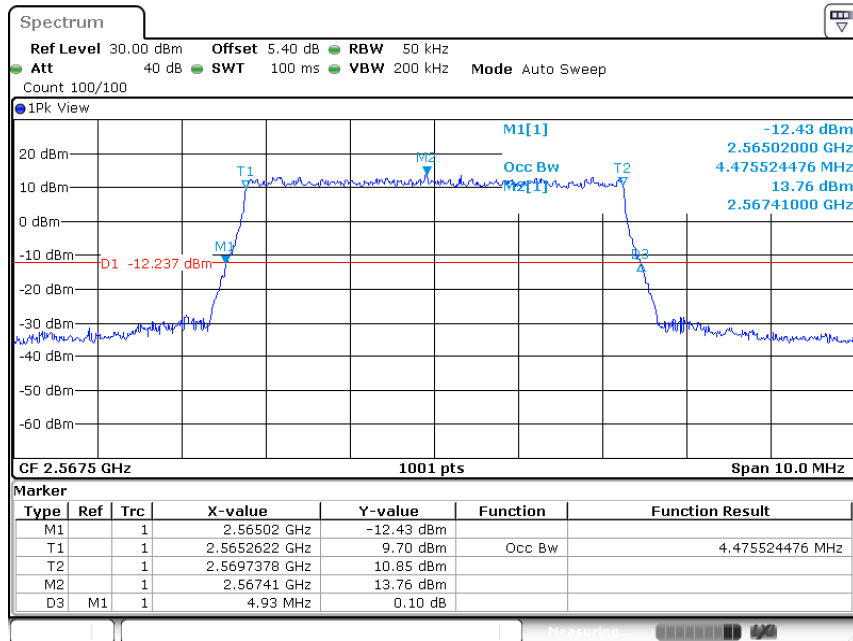


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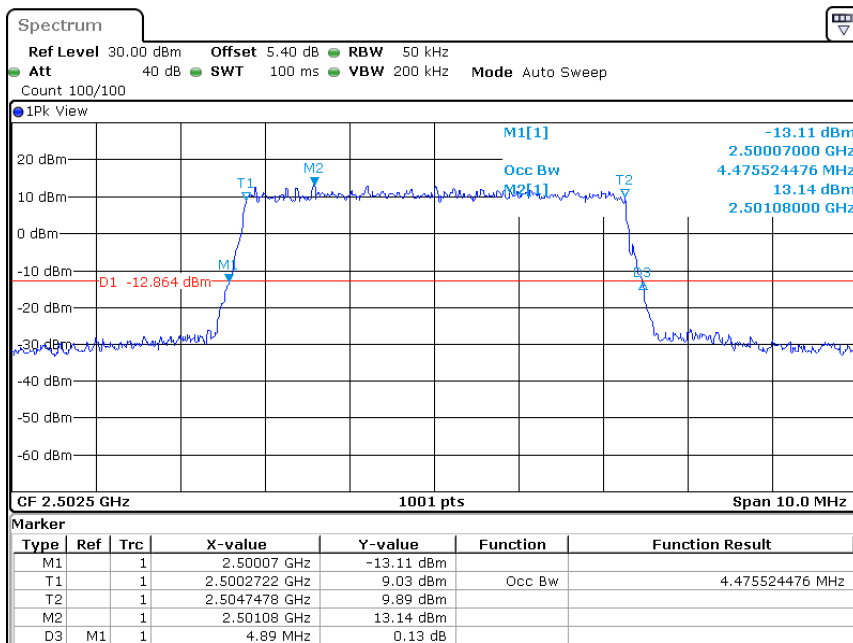


Band7-5MHz-64QAM-21425-25RB#0-4.475



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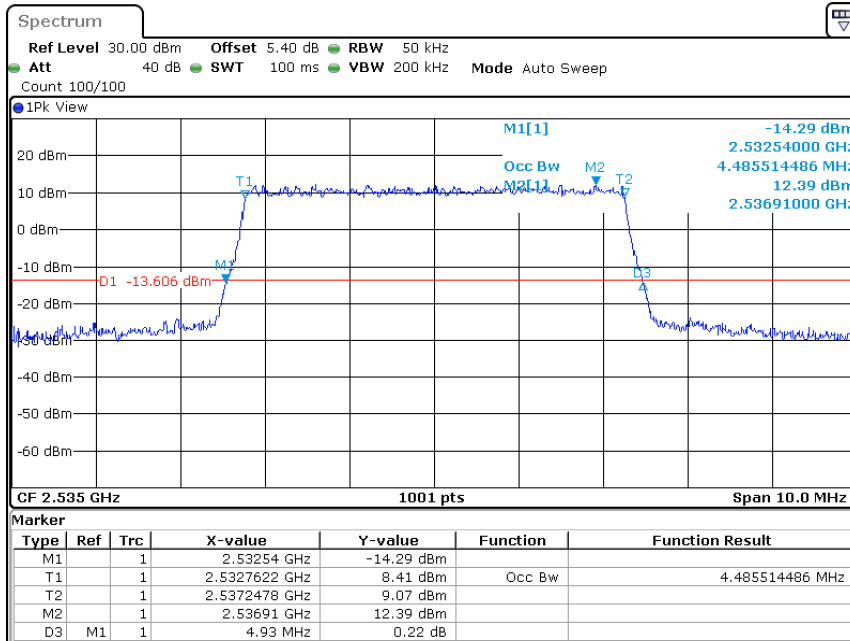


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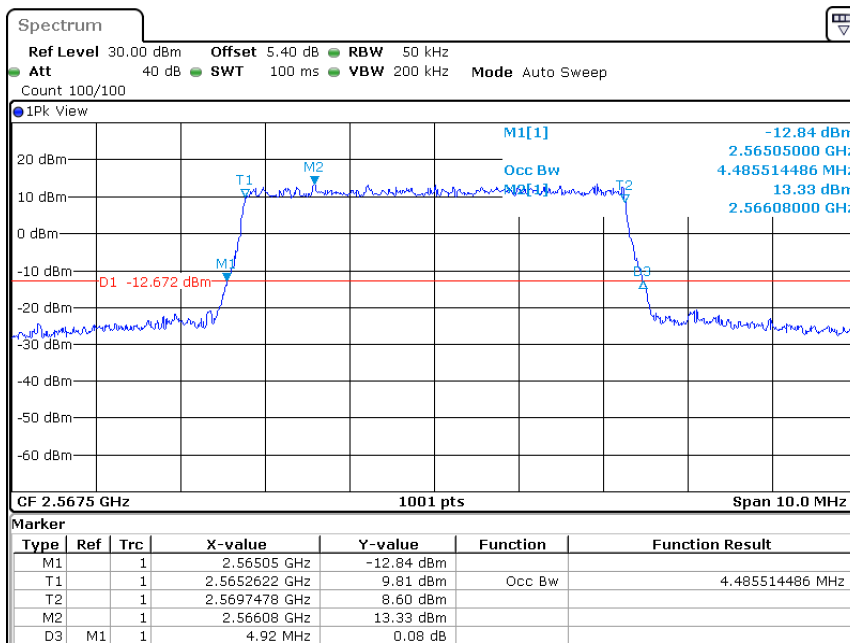


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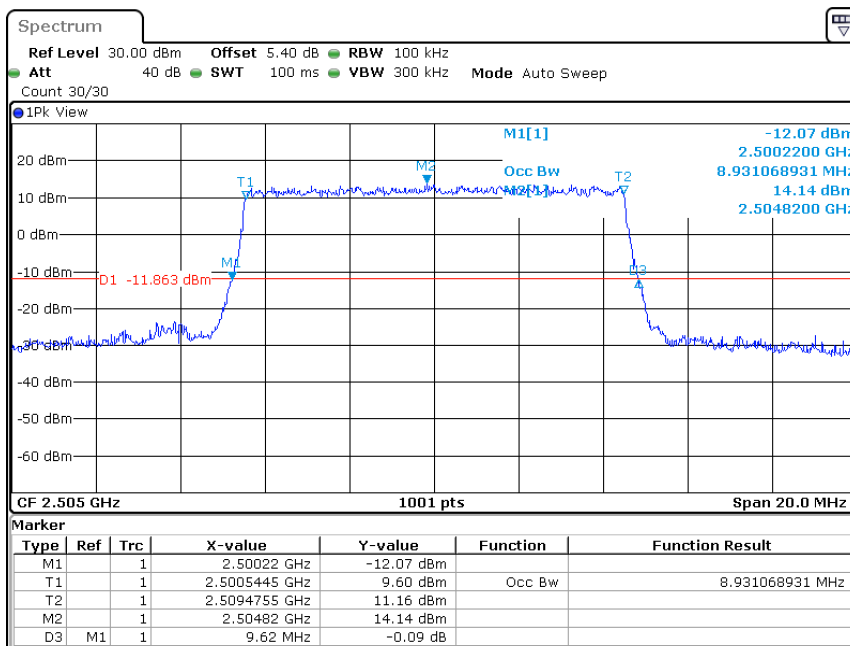
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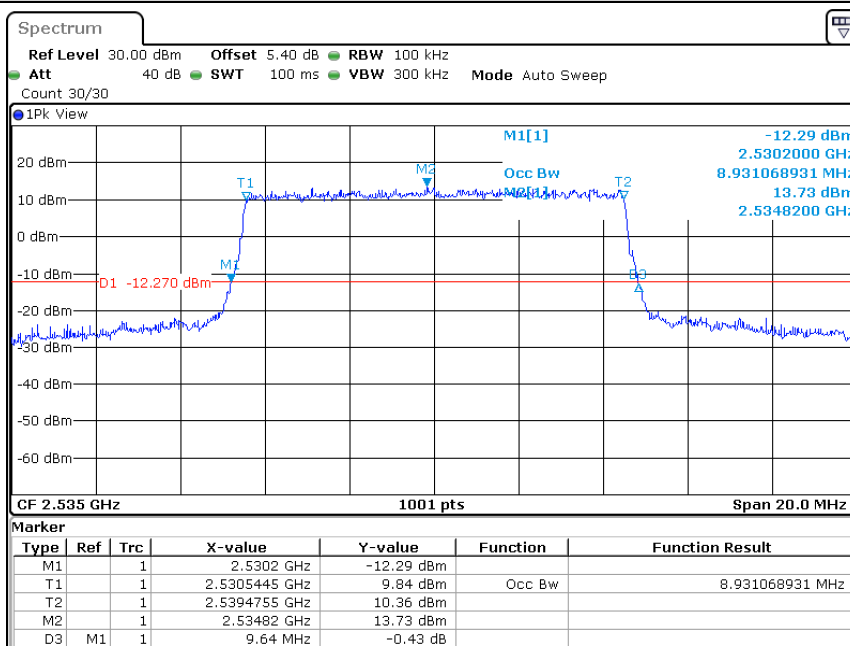


Band7-10MHz-QPSK-20800-50RB#0-8.931



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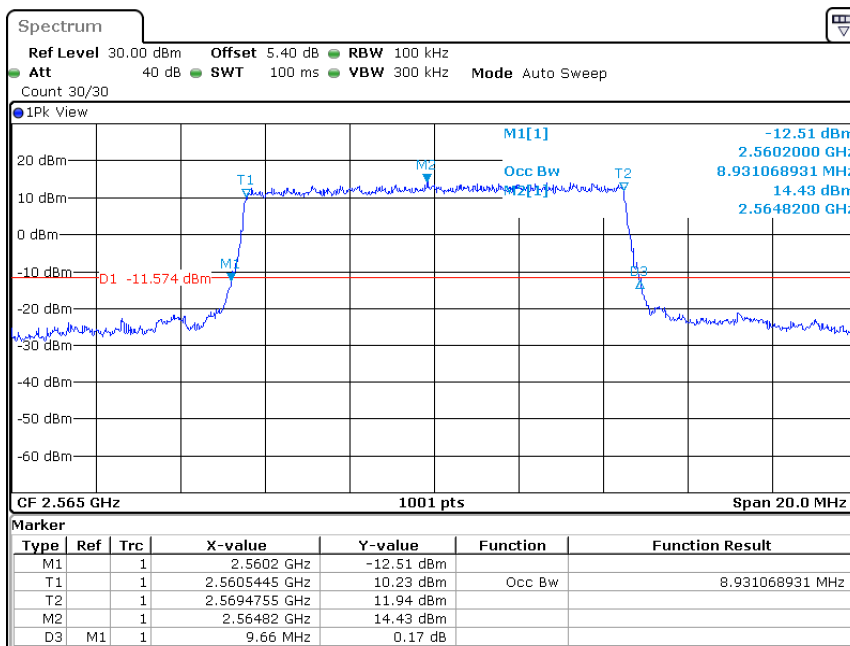


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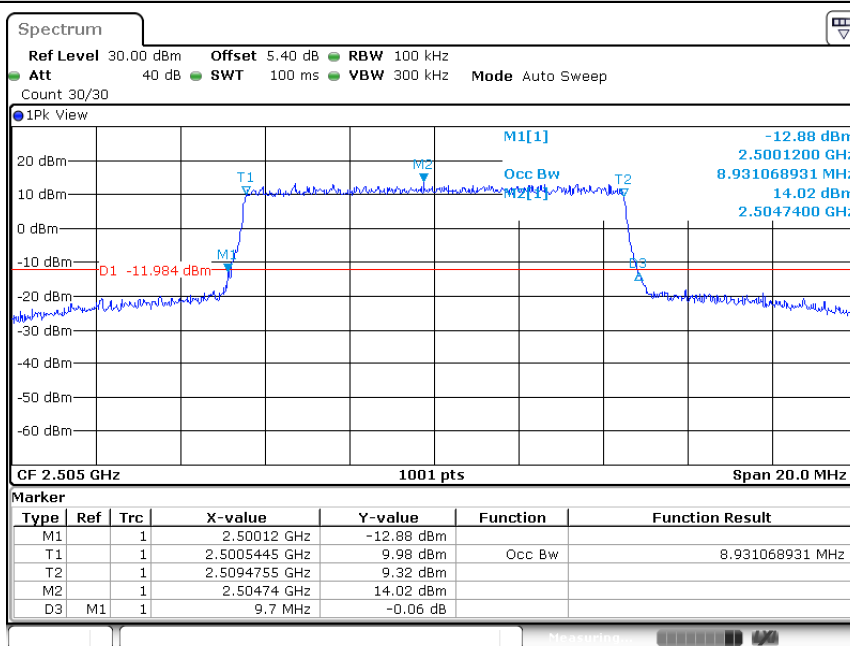


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Date: 16 JUL 2020 04:51:33

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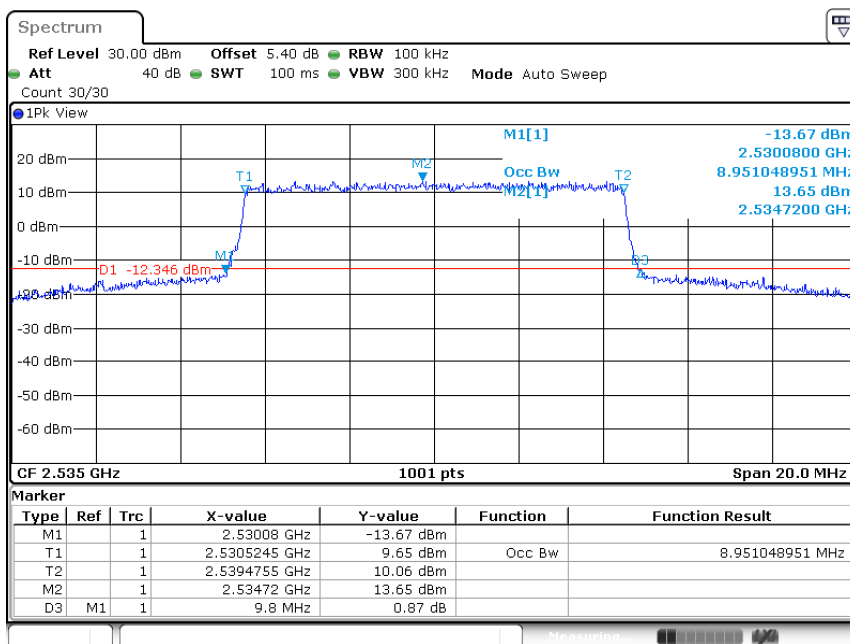


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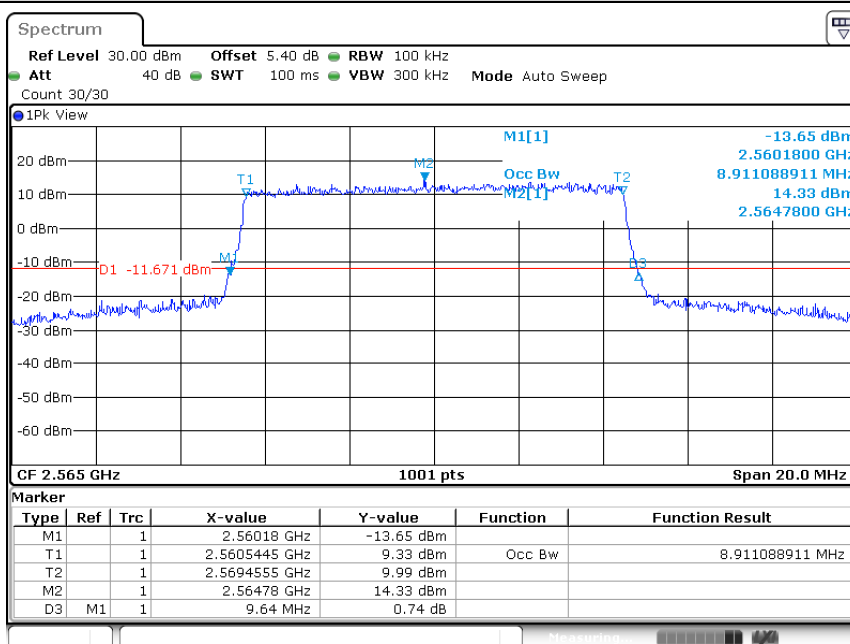


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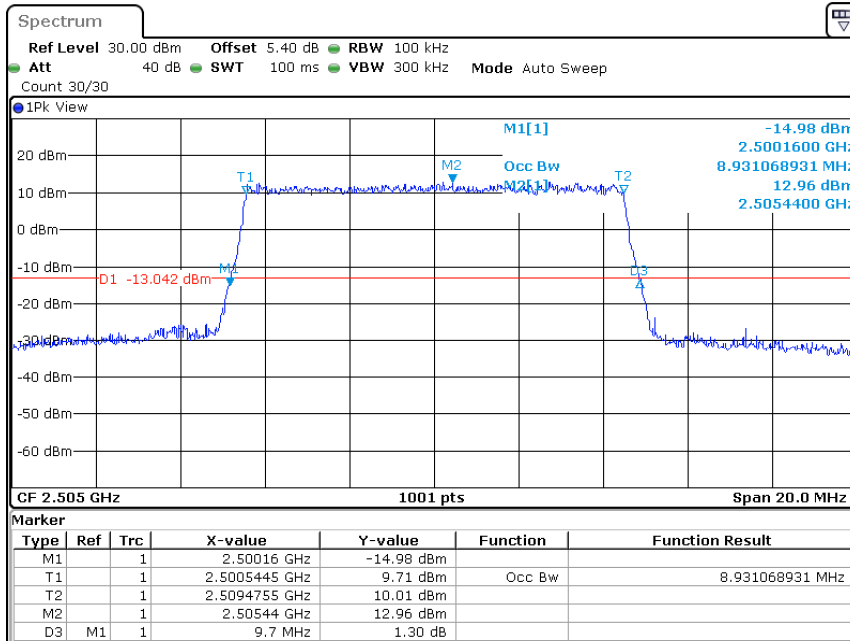


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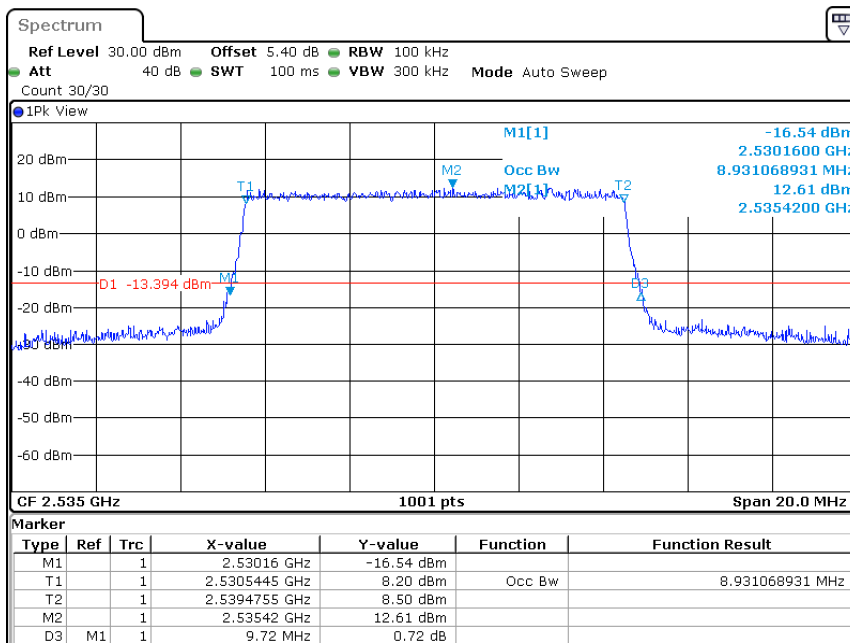


Band7-10MHz-16QAM-20800-50RB#0-8.931



Date: 16.JUL.2020 04:50:55

Band7-10MHz-16QAM-21100-50RB#0-8.931

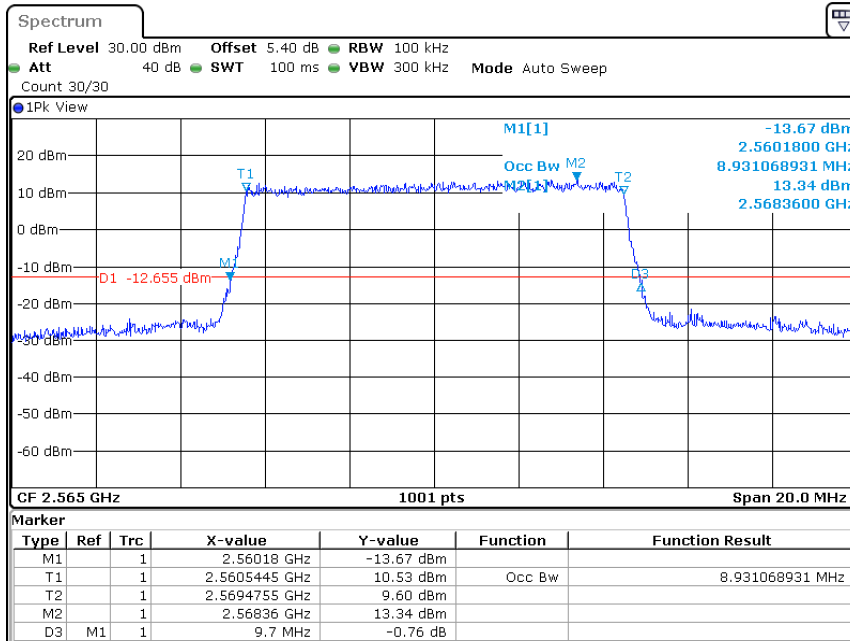


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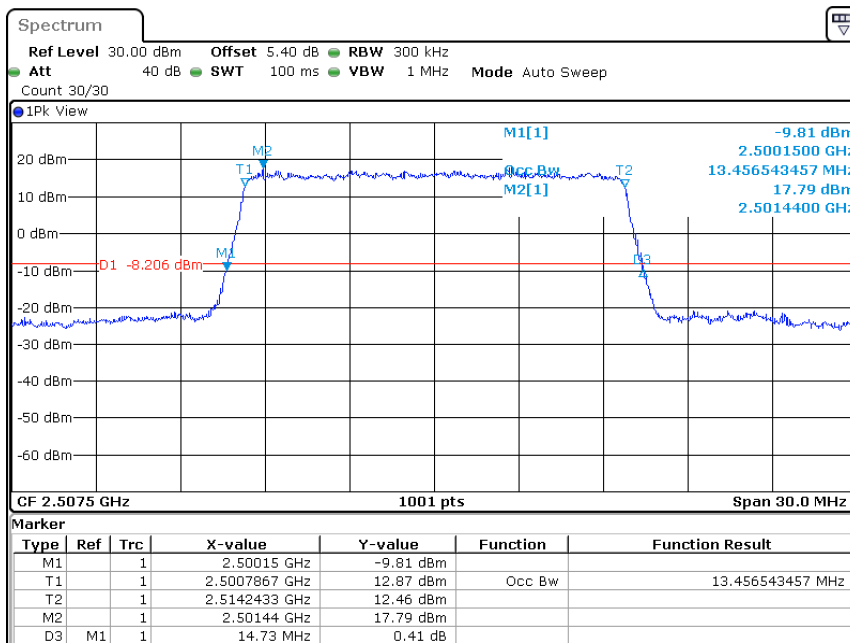


Band7-10MHz-16QAM-21400-50RB#0-8.931



Date: 16 JUL 2020 04:51:46

Band7-15MHz-QPSK-20825-75RB#0-13.457



Date: 16 JUL 2020 04:52:04



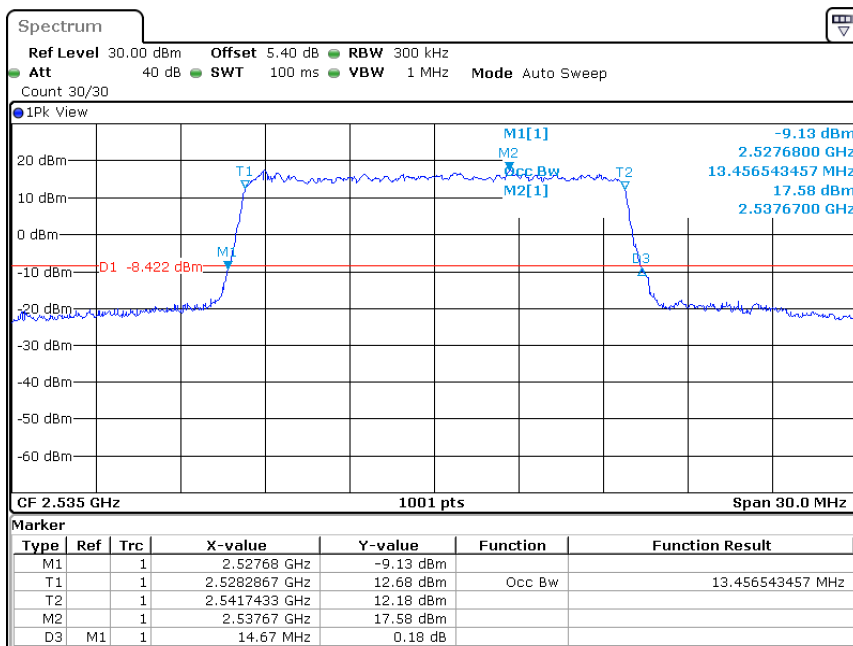
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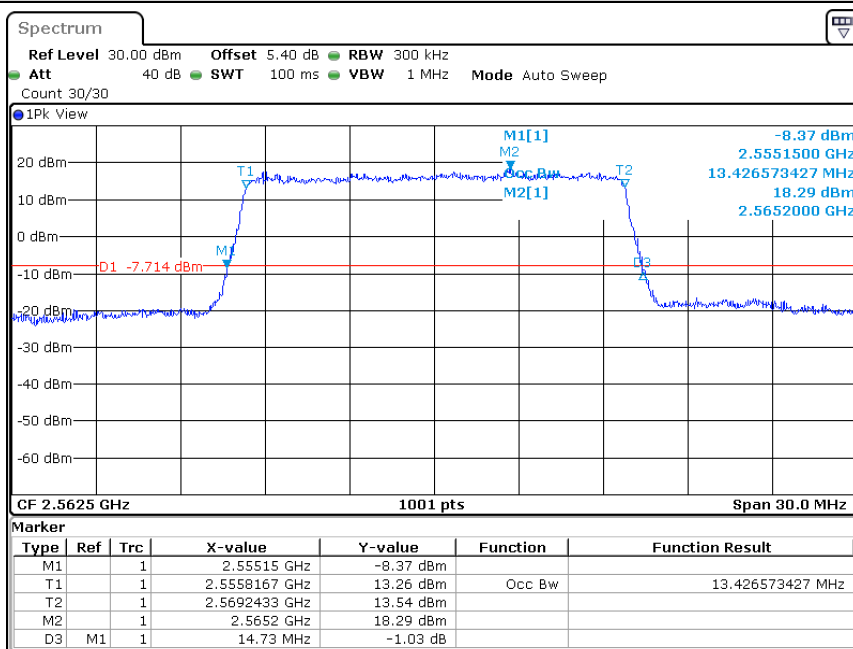
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Band7-15MHz-QPSK-21100-75RB#0-13.457



Date: 16 JUL 2020 04:52:29

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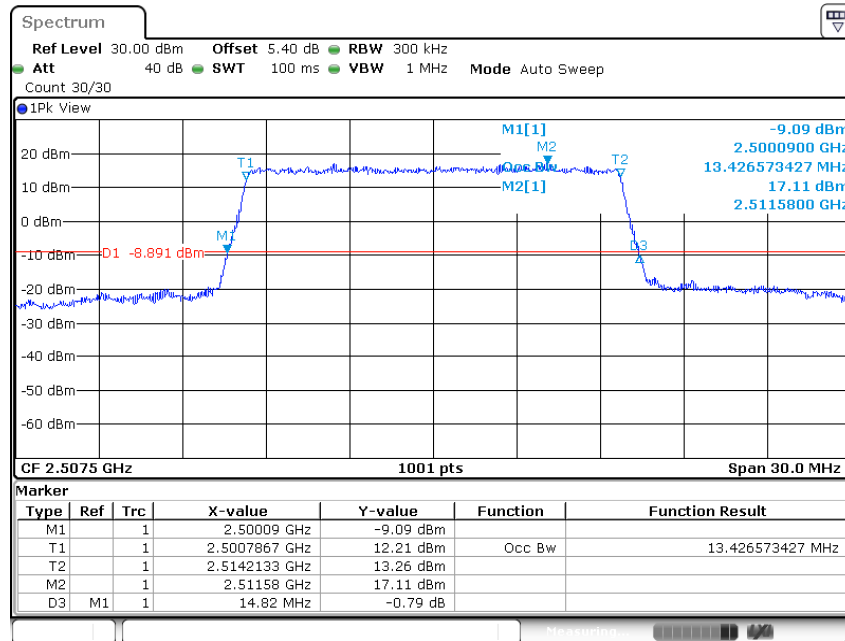


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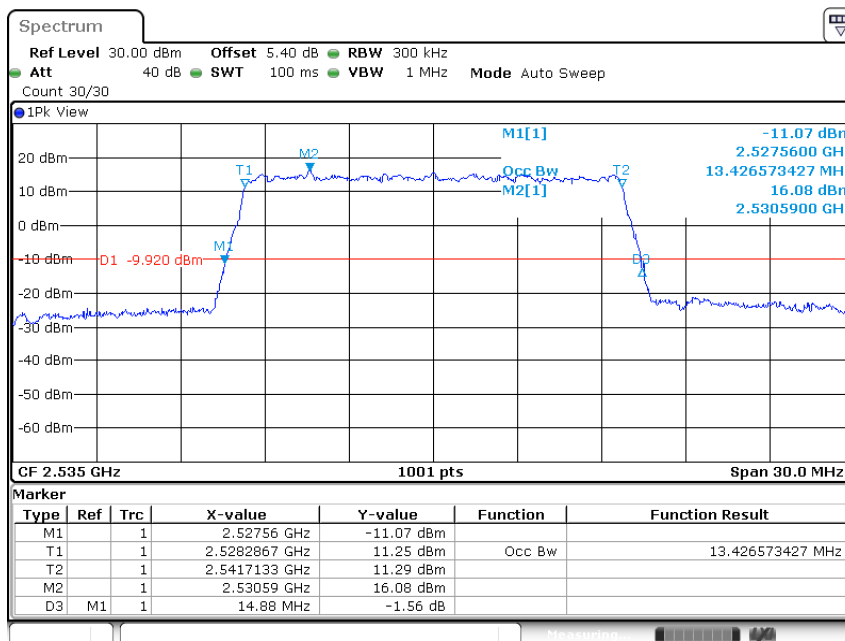


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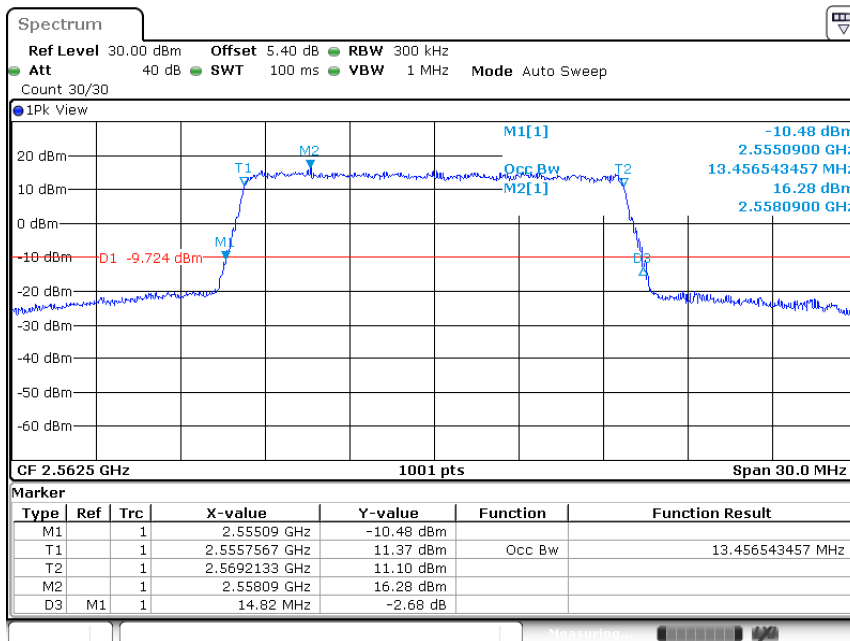


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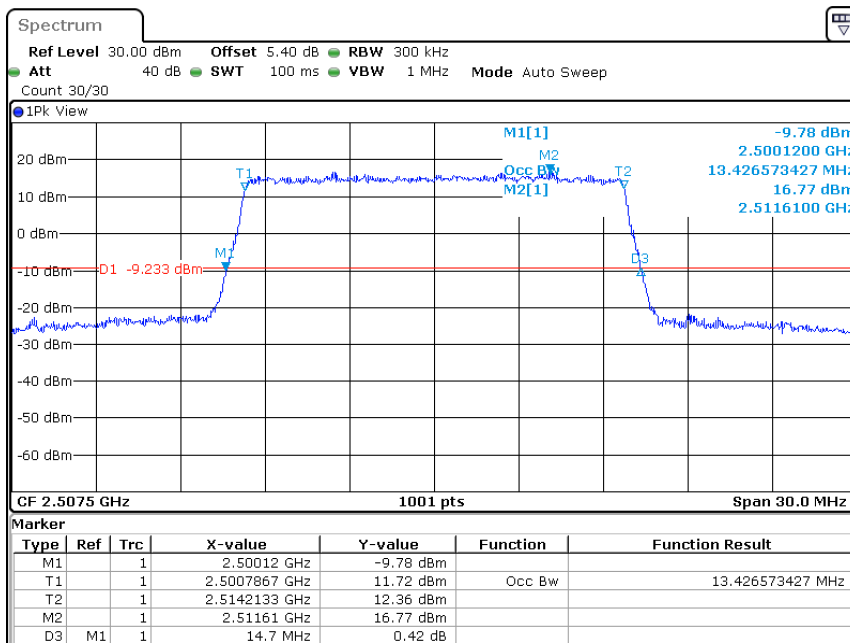


Band7-15MHz-64QAM-21375-75RB#0-13.457



Date: 15.AUG.2020 02:21:06

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Date: 16.JUL.2020 04:52:16



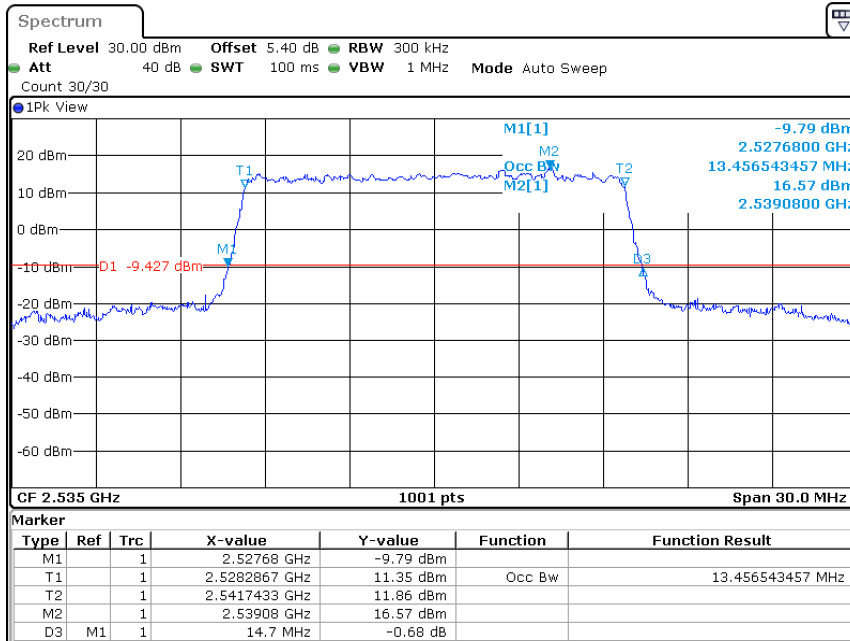
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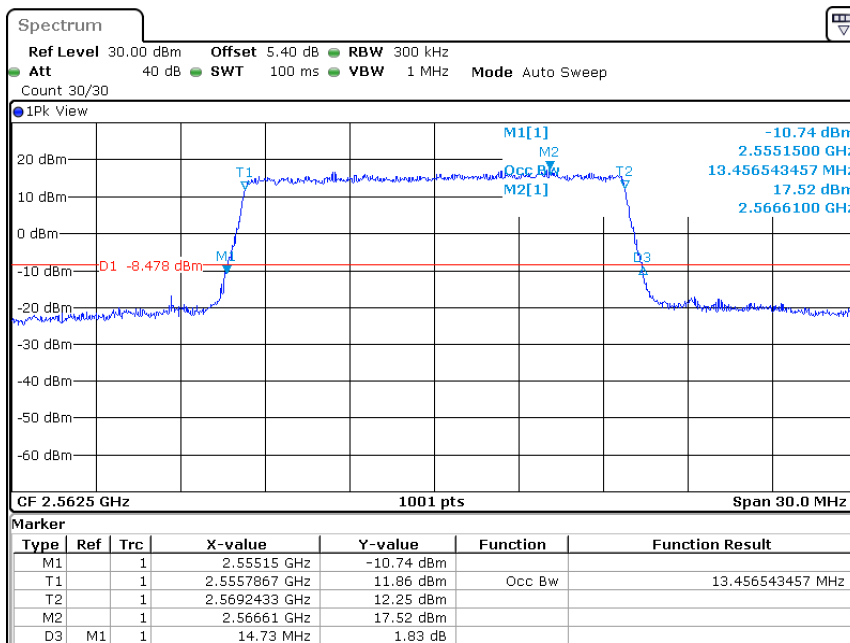


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Date: 16.JUL.2020 04:52:42

Band7-15MHz-16QAM-21375-75RB#0-13.457



Date: 16.JUL.2020 04:53:08



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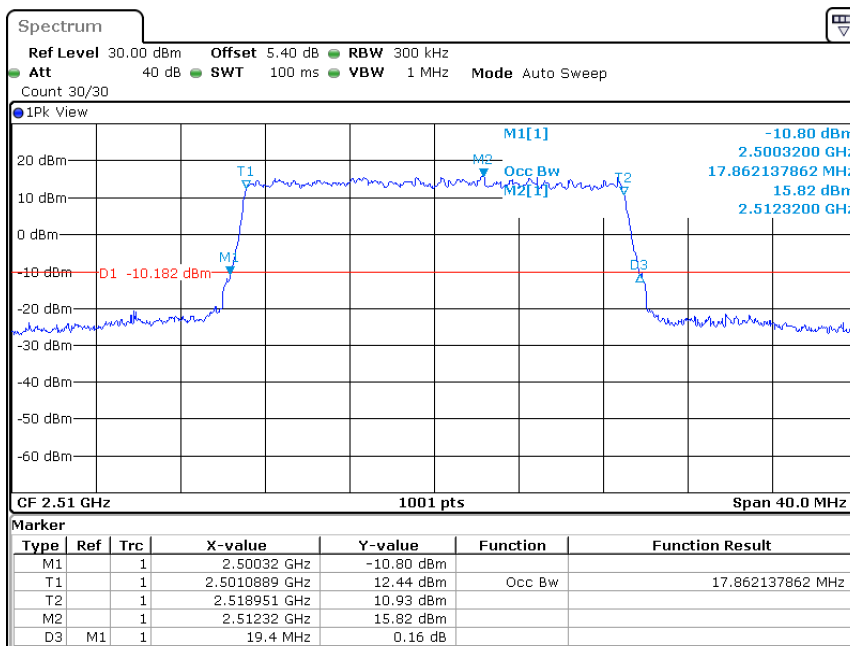
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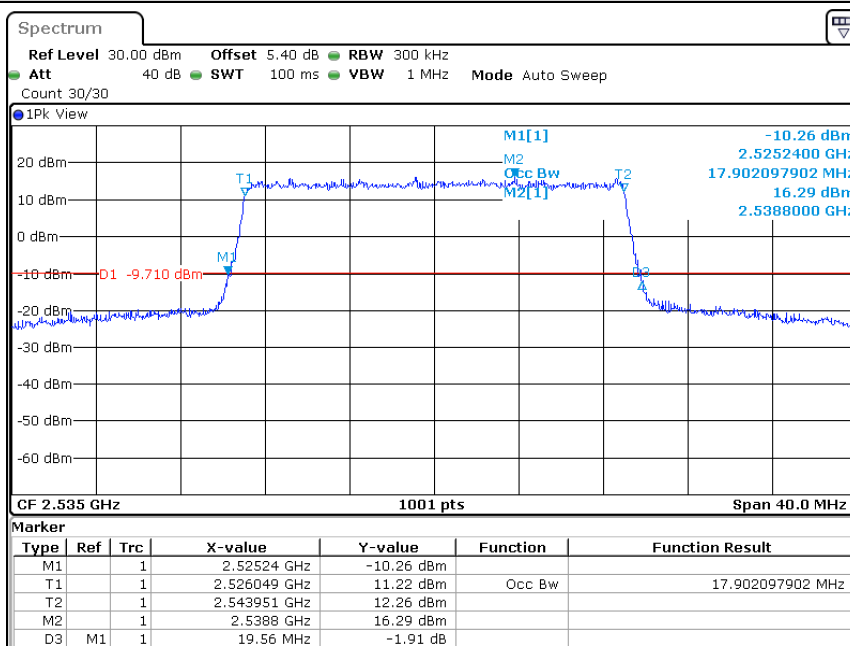


Band7-20MHz-QPSK-20850-100RB#0-17.862



Date: 16 JUL 2020 04:53:25

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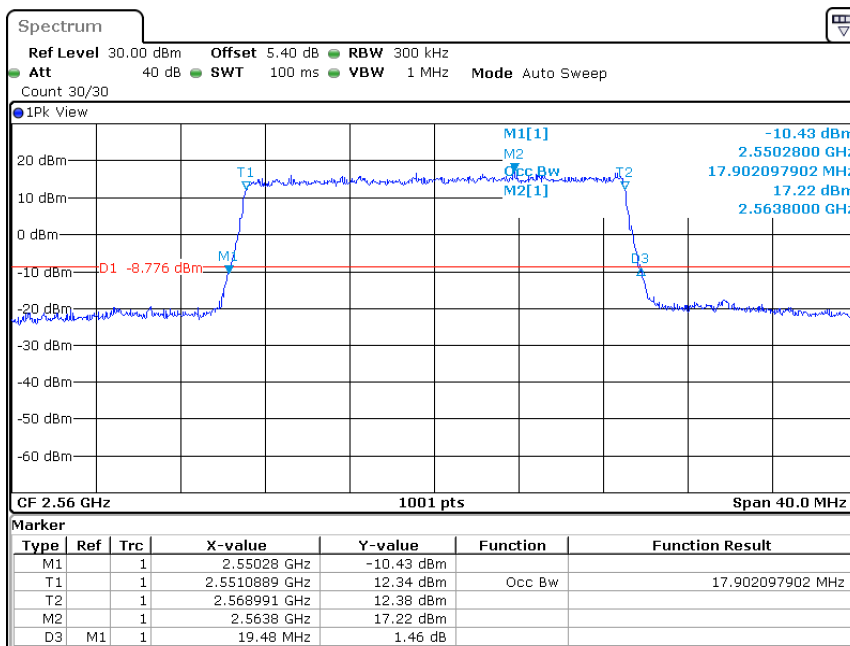


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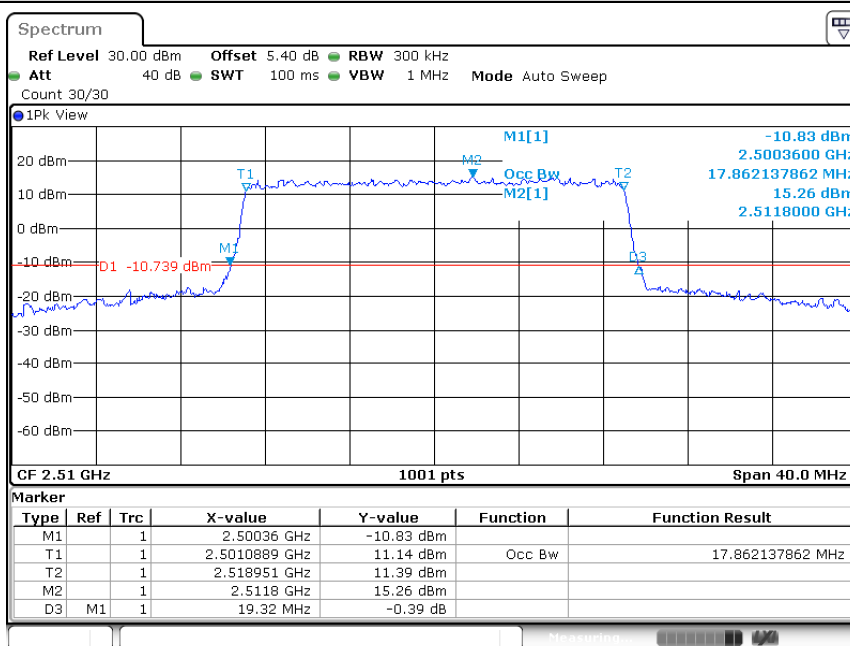


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Date: 16.JUL.2020 04:54:16

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Date: 11.AUG.2020 00:02:05



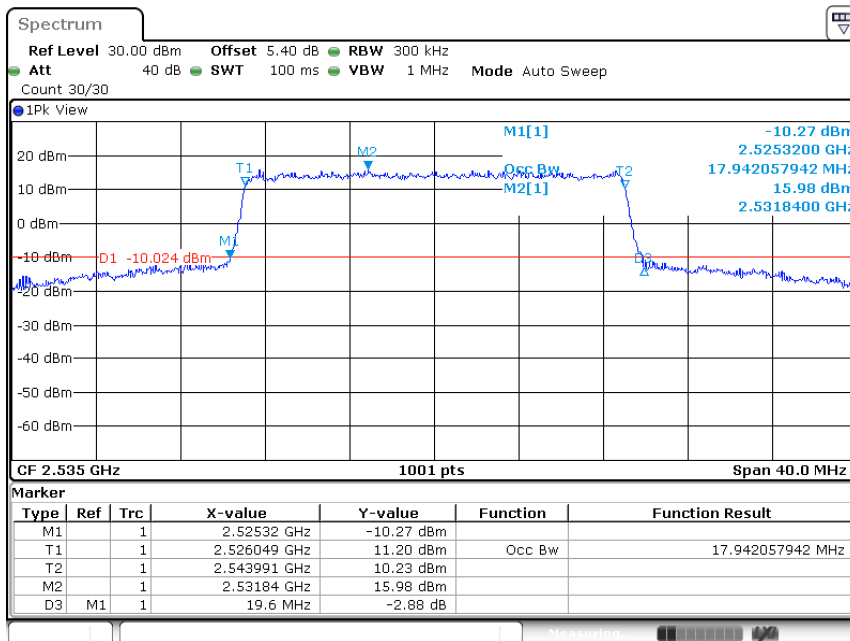
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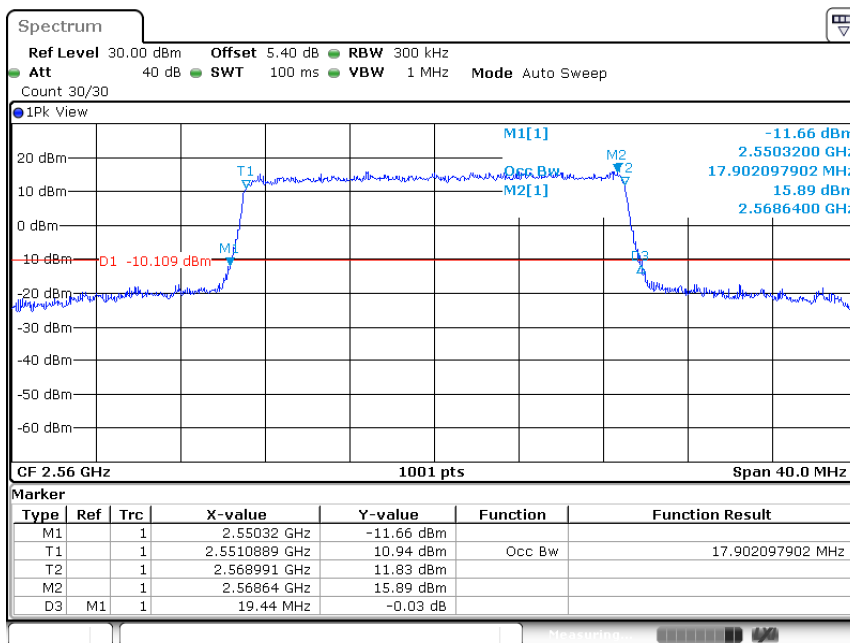


Band7-20MHz-64QAM-21100-100RB#0-17.942



Date: 11.AUG.2020 00:02:18

Band7-20MHz-64QAM-21350-100RB#0-17.902

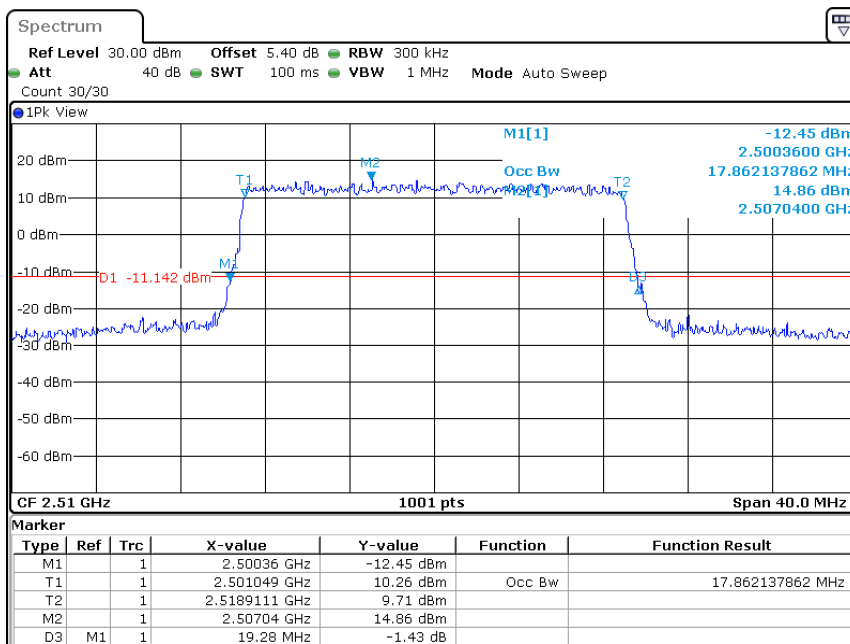


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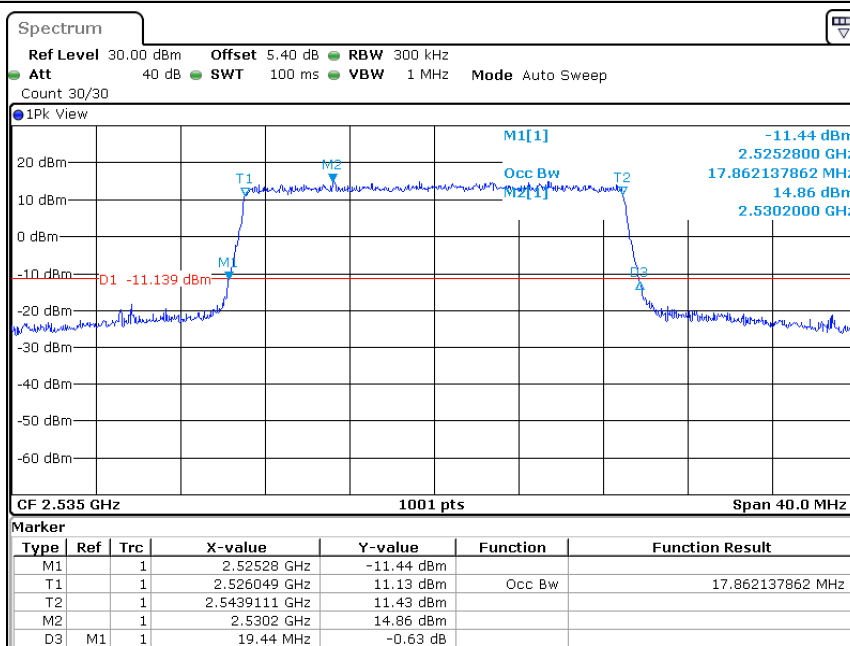


Band7-20MHz-16QAM-20850-100RB#0-17.862



Date: 16 JUL 2020 04:53:38

Band7-20MHz-16QAM-21100-100RB#0-17.862



Date: 16 JUL 2020 04:54:03

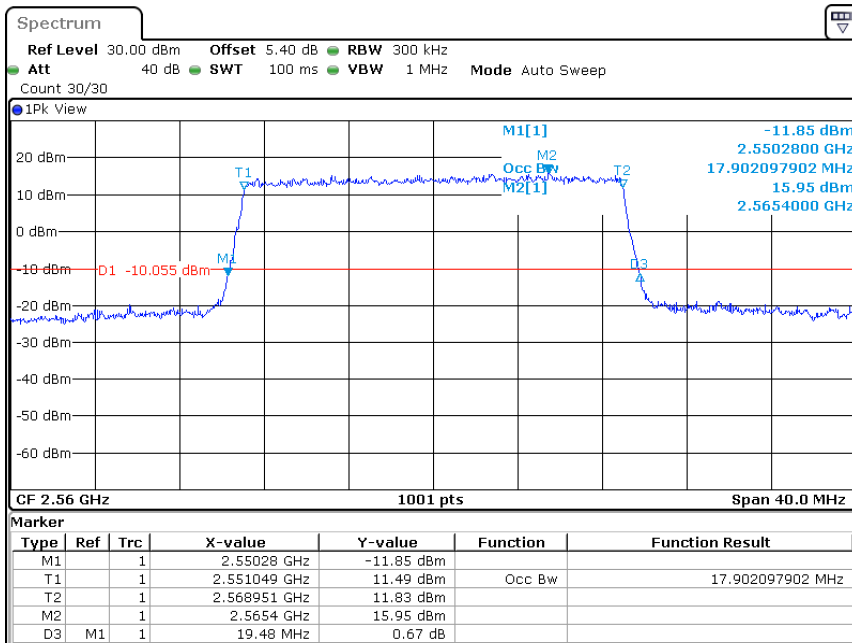


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Band7-20MHz-16QAM-21350-100RB#0-17.902

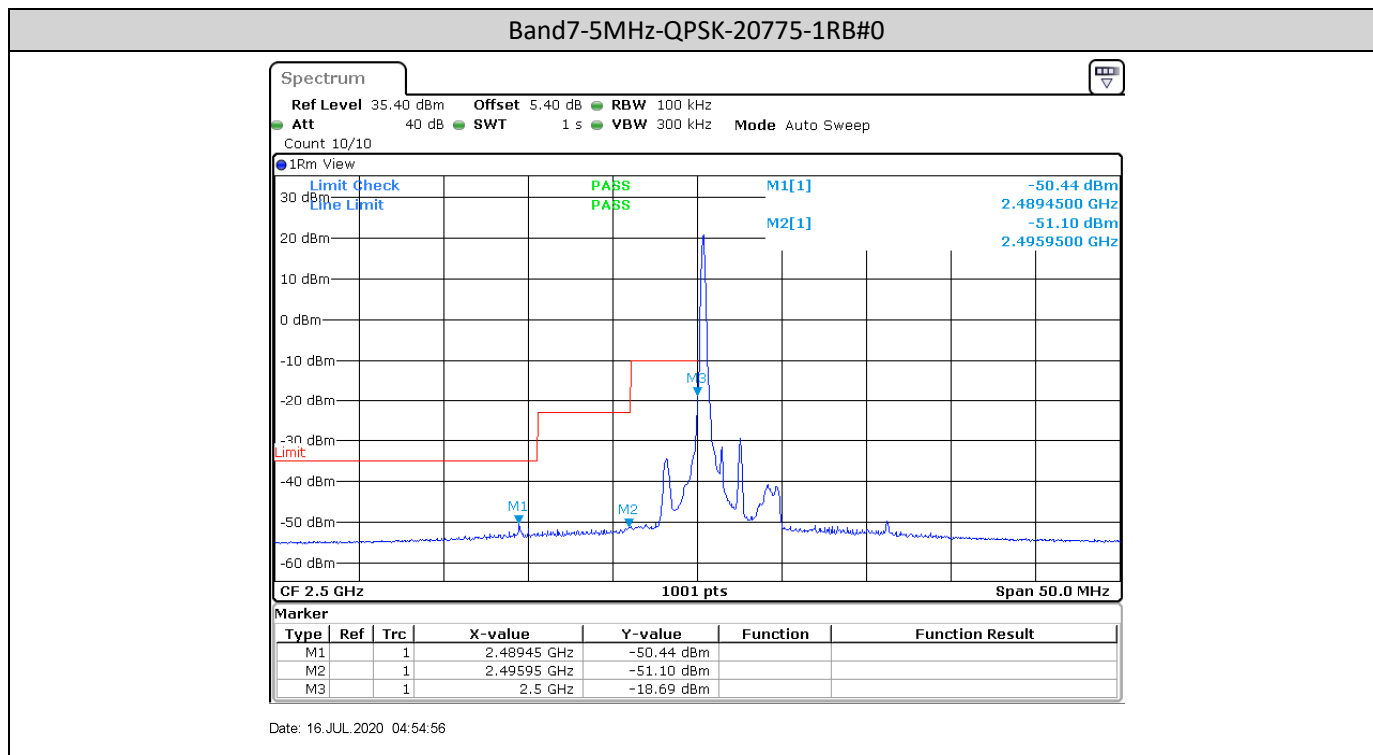


Date: 16 JUL 2020 04:54:29

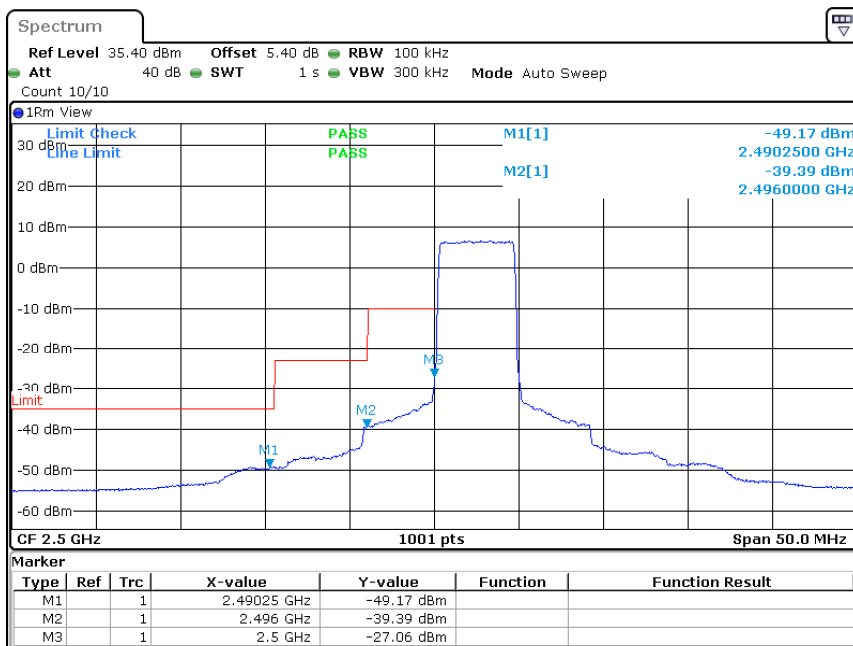


5. Band Edge Compliance

5.1. Test Plots

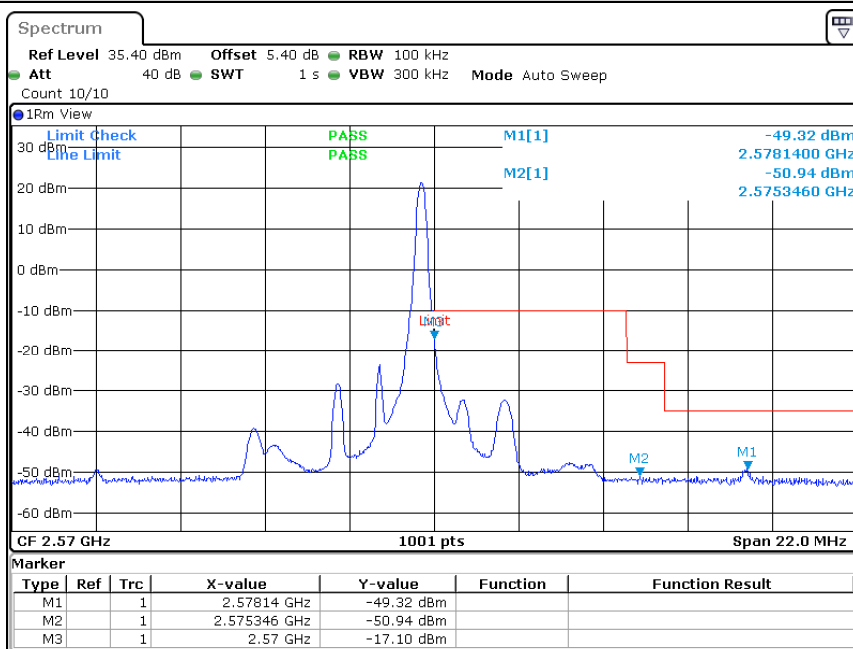


Band7-5MHz-QPSK-20775-25RB#0



Date: 16 JUL 2020 04:56:29

Band7-5MHz-QPSK-21425-1RB#24



Date: 16 JUL 2020 04:55:42



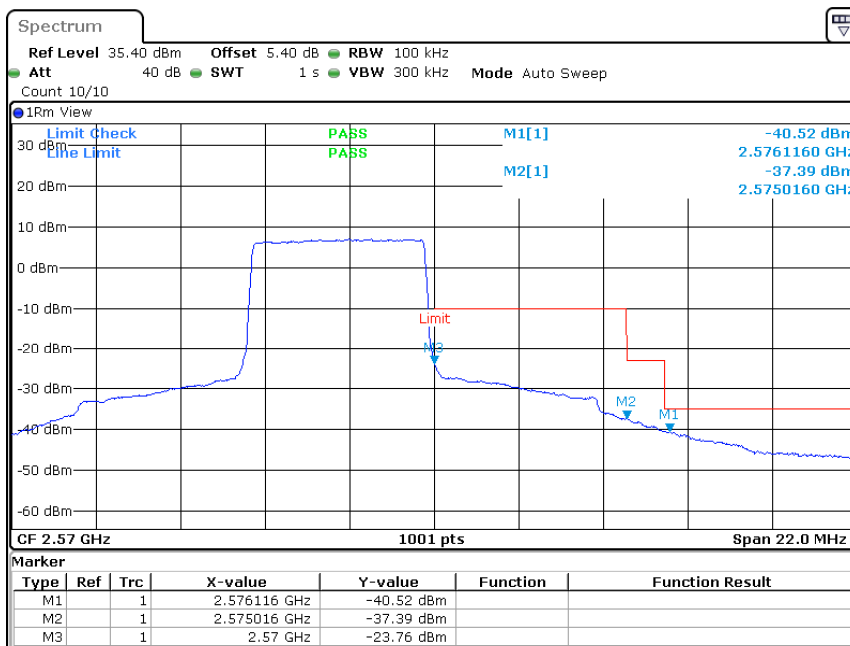
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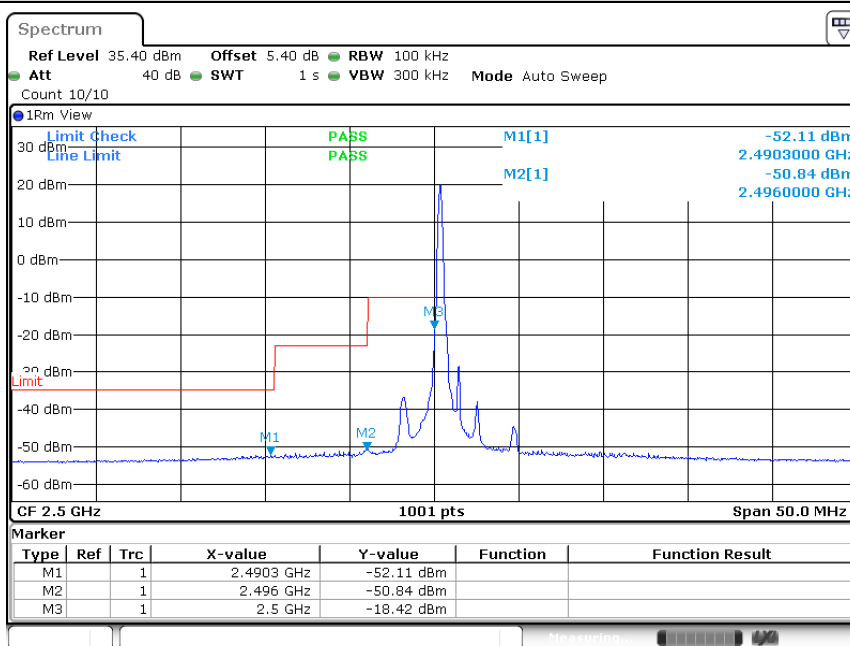
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Band7-5MHz-QPSK-21425-25RB#0



Date: 16 JUL 2020 04:57:12

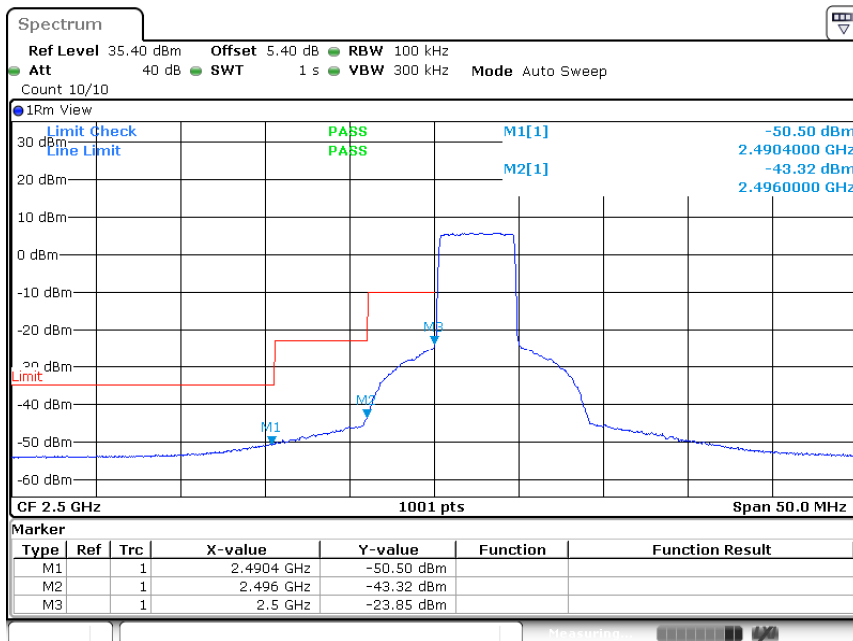
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Date: 11 AUG 2020 00:03:00

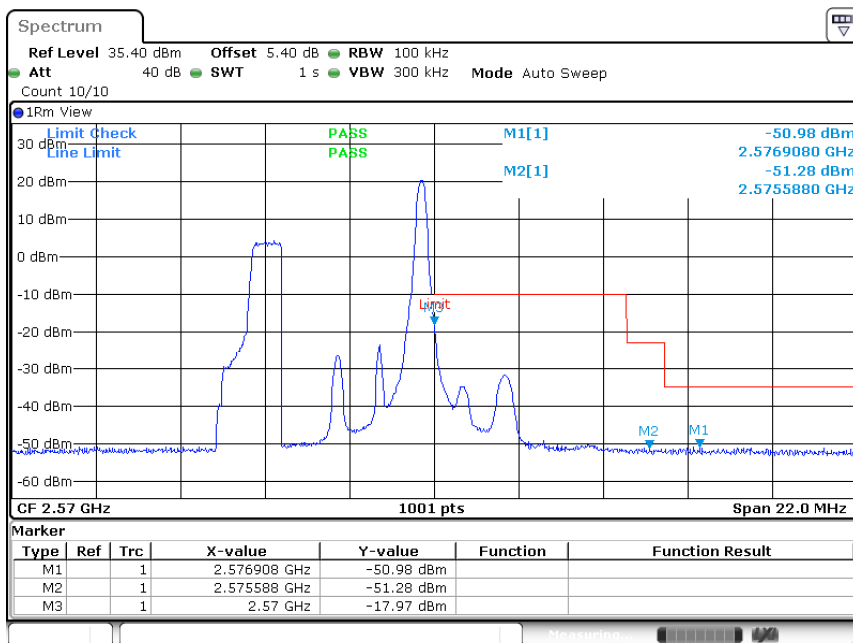


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Date: 11.AUG.2020 00:03:54

Band7-5MHz-64QAM-21425-1RB#24

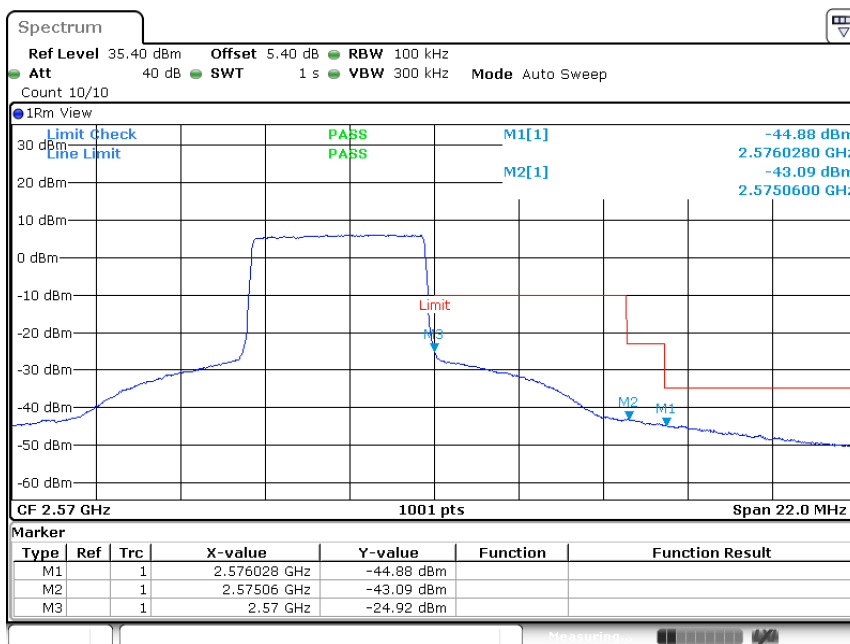


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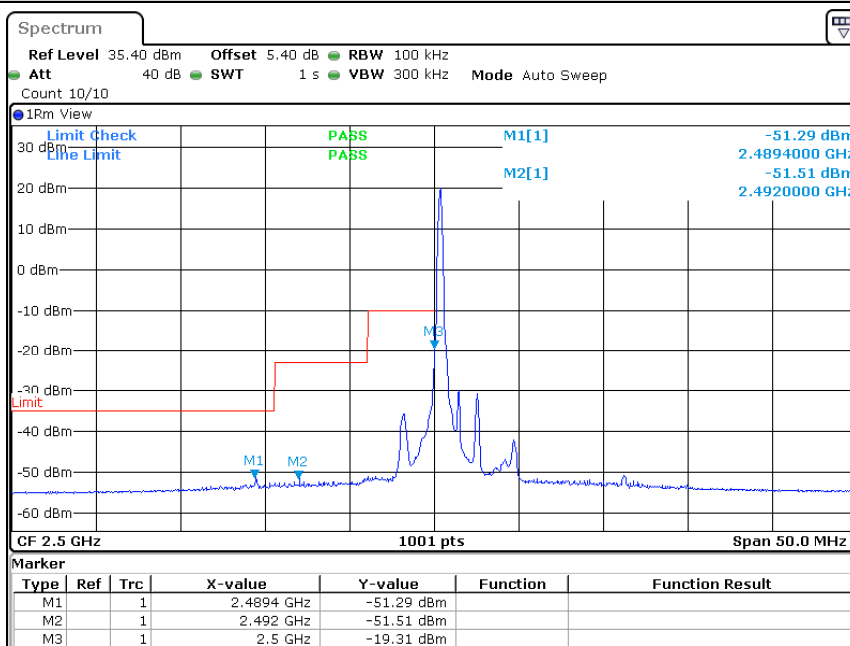


Band7-5MHz-64QAM-21425-25RB#0



Date: 11.AUG.2020 00:04:15

Band7-5MHz-16QAM-20775-1RB#0



Date: 16.JUL.2020 04:55:17



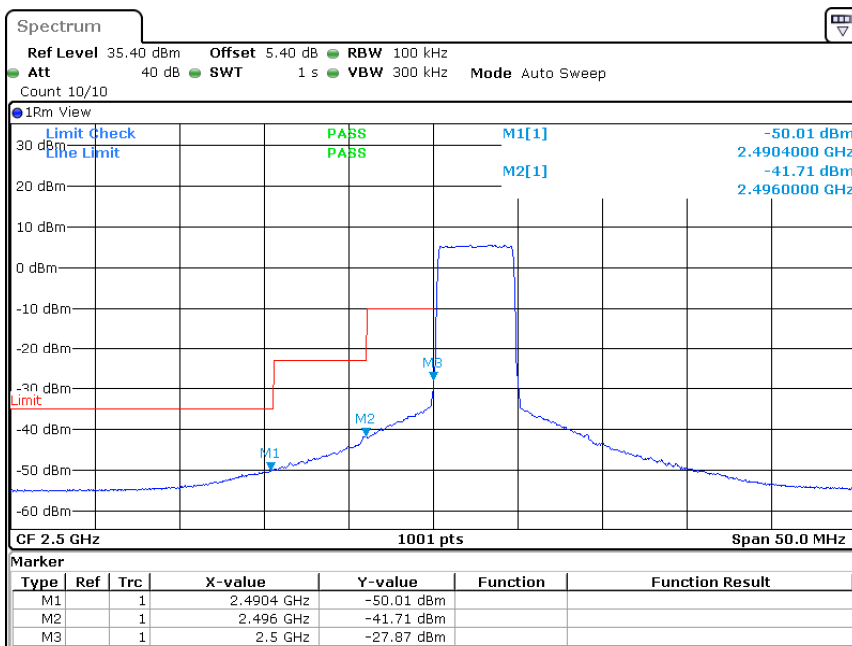
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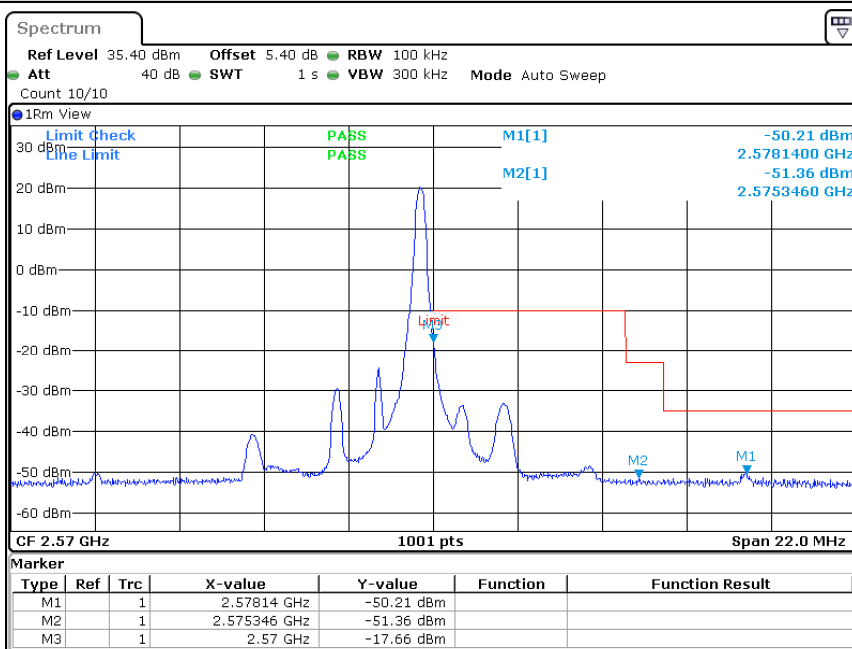
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Band7-5MHz-16QAM-20775-25RB#0



Date: 16 JUL 2020 04:56:51

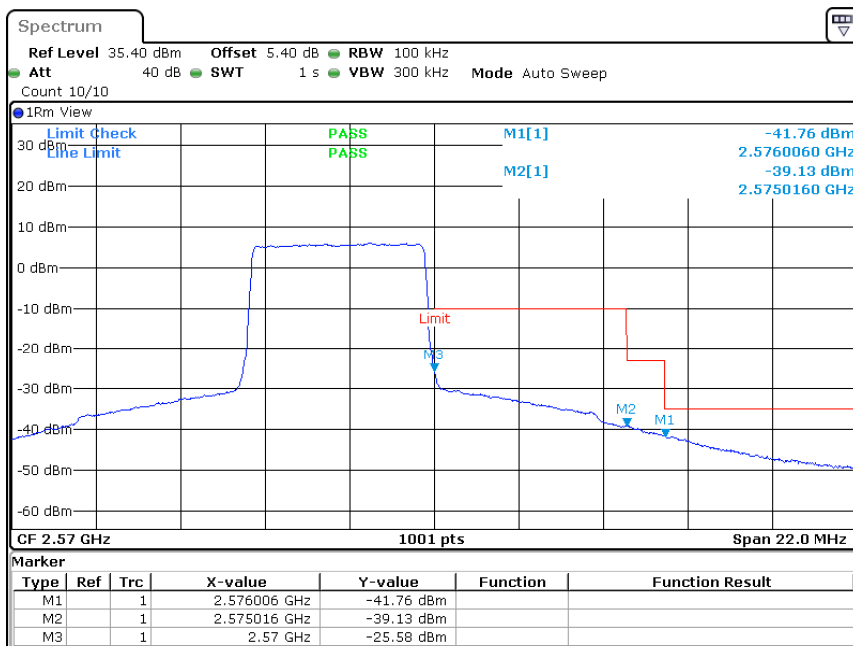
Band7-5MHz-16QAM-21425-1RB#24



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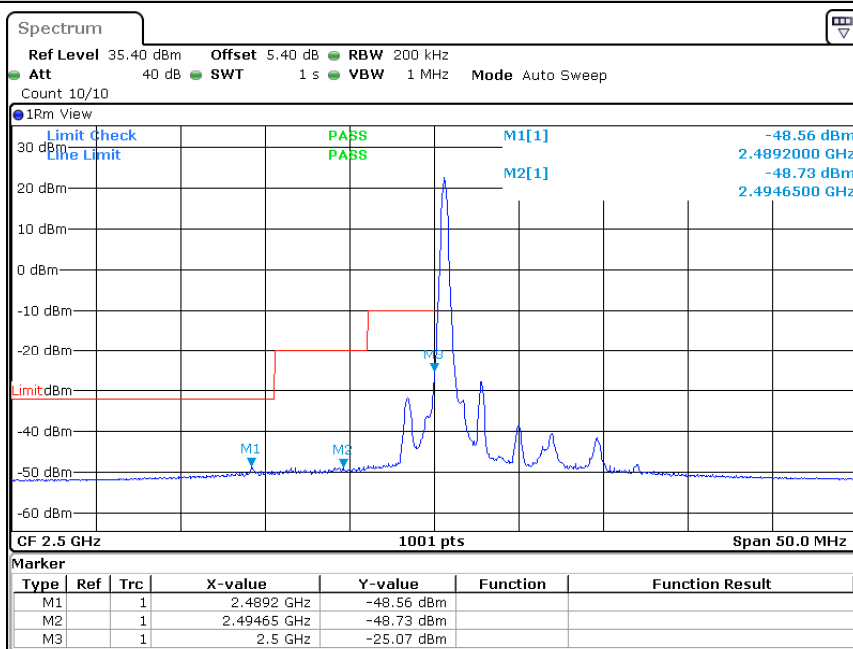


Band7-5MHz-16QAM-21425-25RB#0



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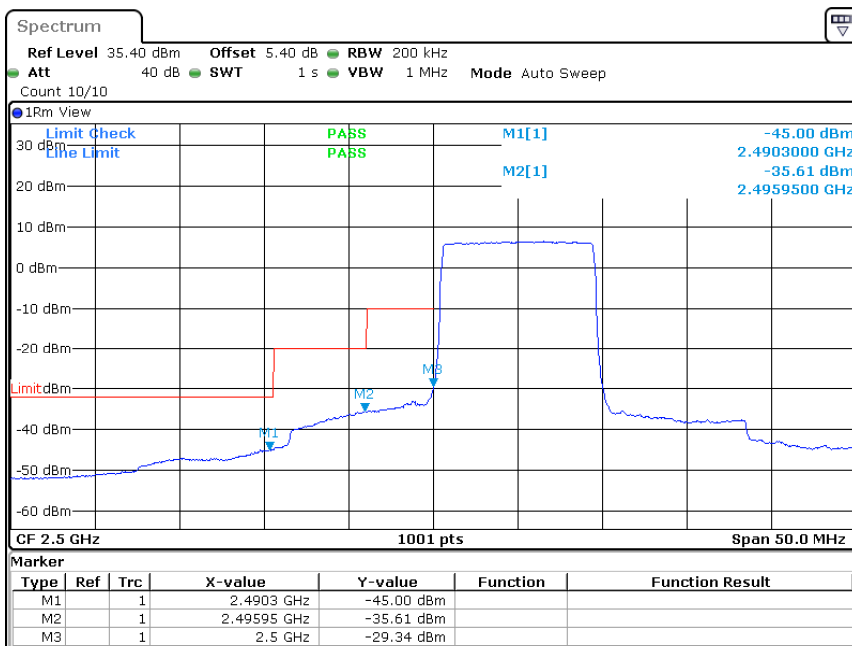
Band7-10MHz-QPSK-20800-1RB#0



Date: 16 JUL 2020 04:58:00

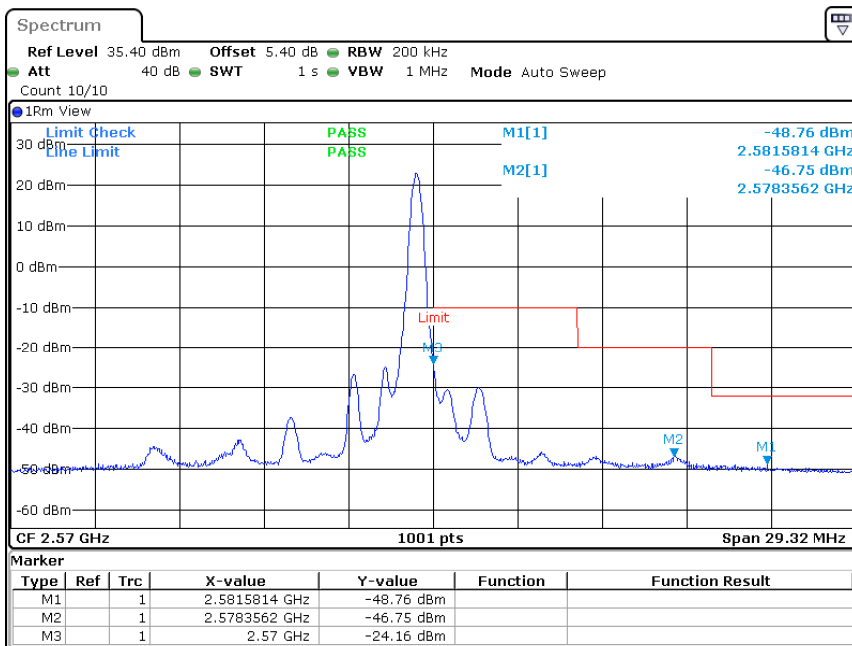


Band7-10MHz-QPSK-20800-50RB#0



Date: 16 JUL 2020 04:59:33

Band7-10MHz-QPSK-21400-1RB#49

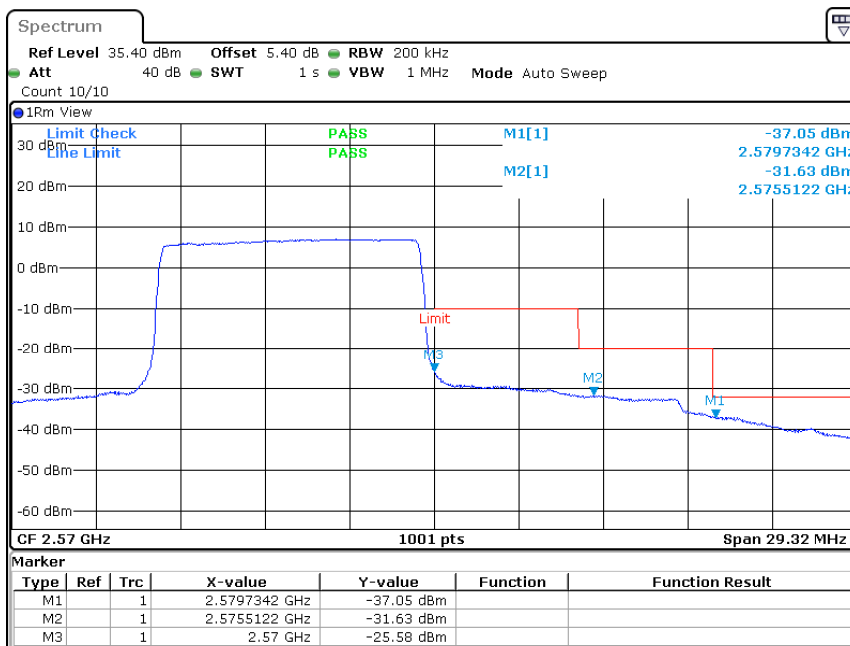


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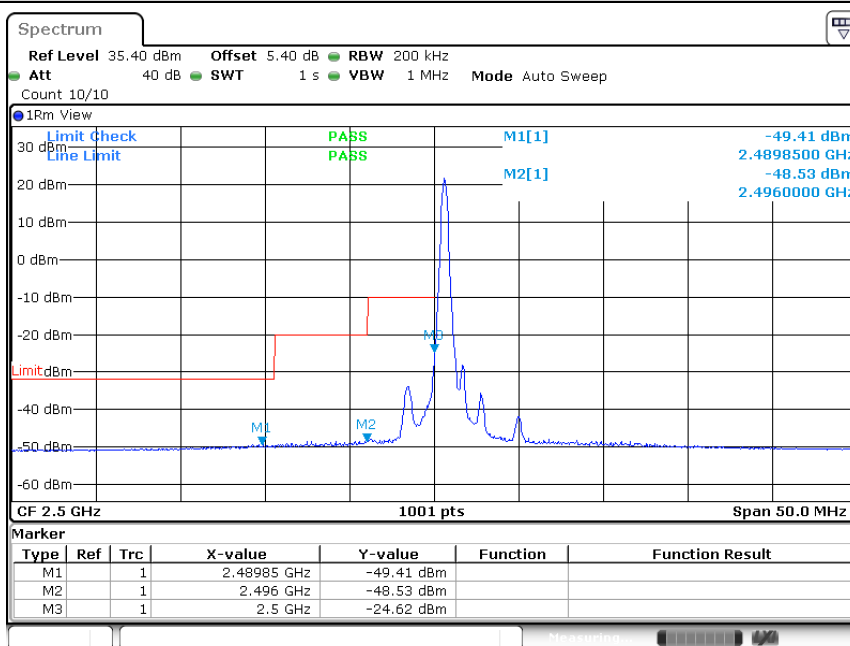


Band7-10MHz-QPSK-21400-50RB#0



Date: 16 JUL 2020 05:00:17

Band7-10MHz-64QAM-20800-1RB#0



Date: 11 AUG 2020 00:04:43



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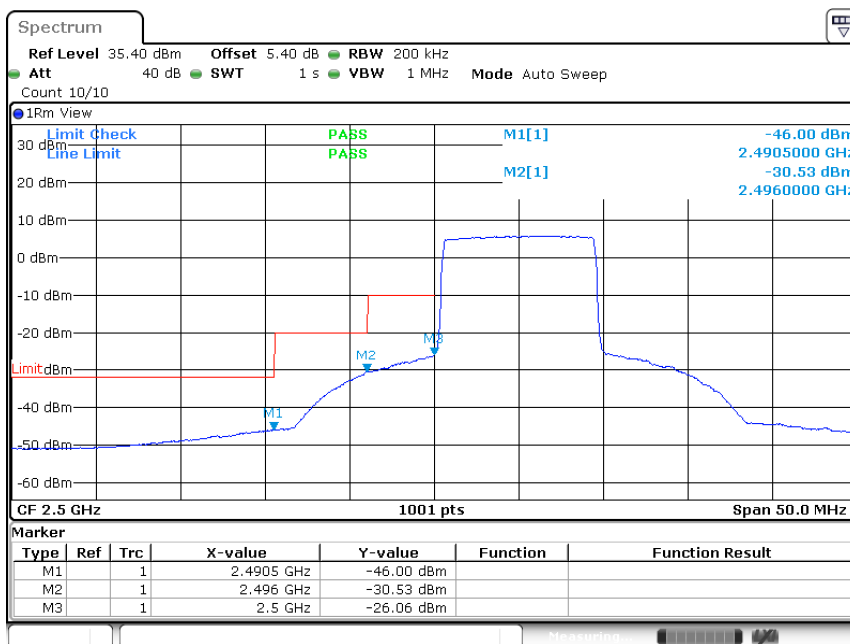
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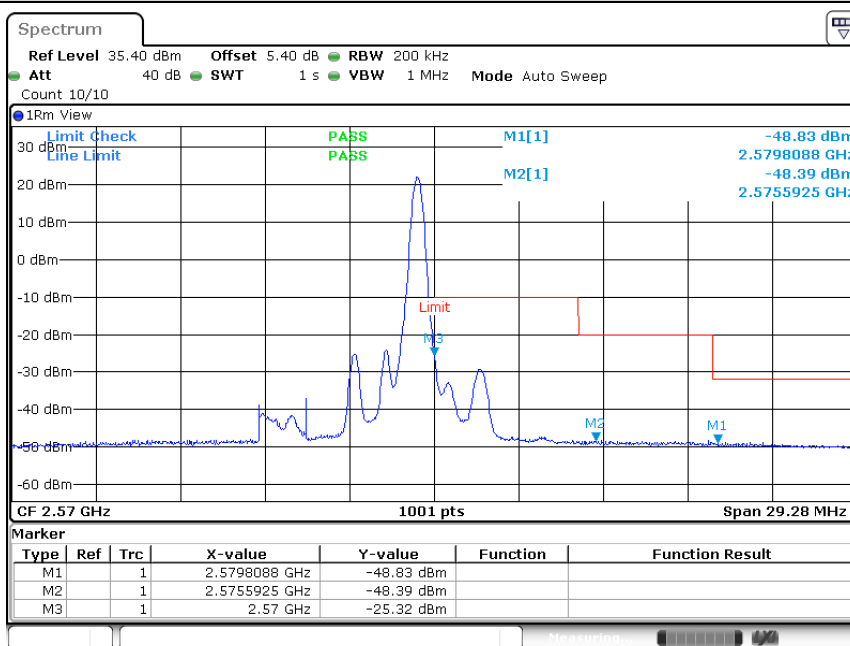


Band7-10MHz-64QAM-20800-50RB#0



Date: 11.AUG.2020 00:05:37

Band7-10MHz-64QAM-21400-1RB#49



Date: 11.AUG.2020 00:05:10



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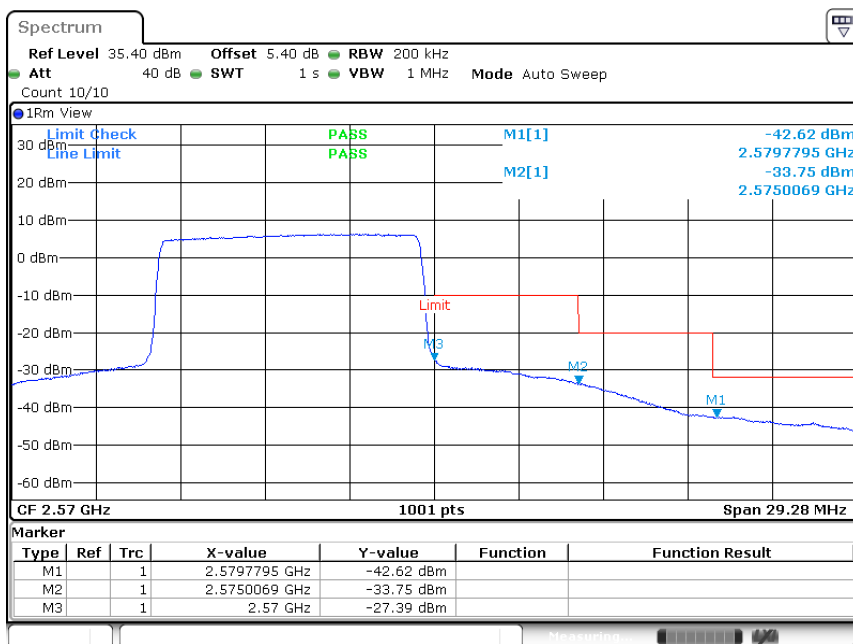
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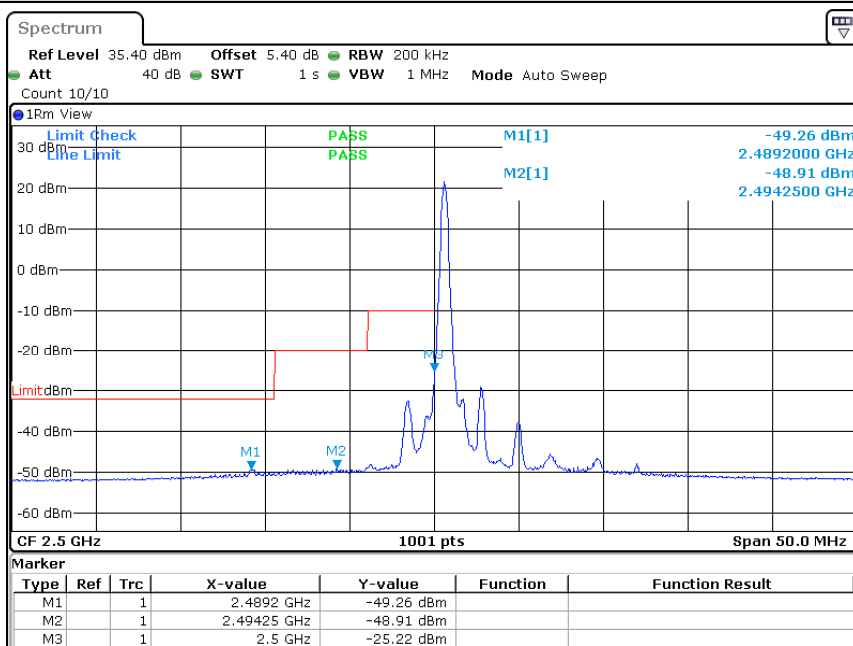
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Band7-10MHz-64QAM-21400-50RB#0



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Band7-10MHz-16QAM-20800-1RB#0

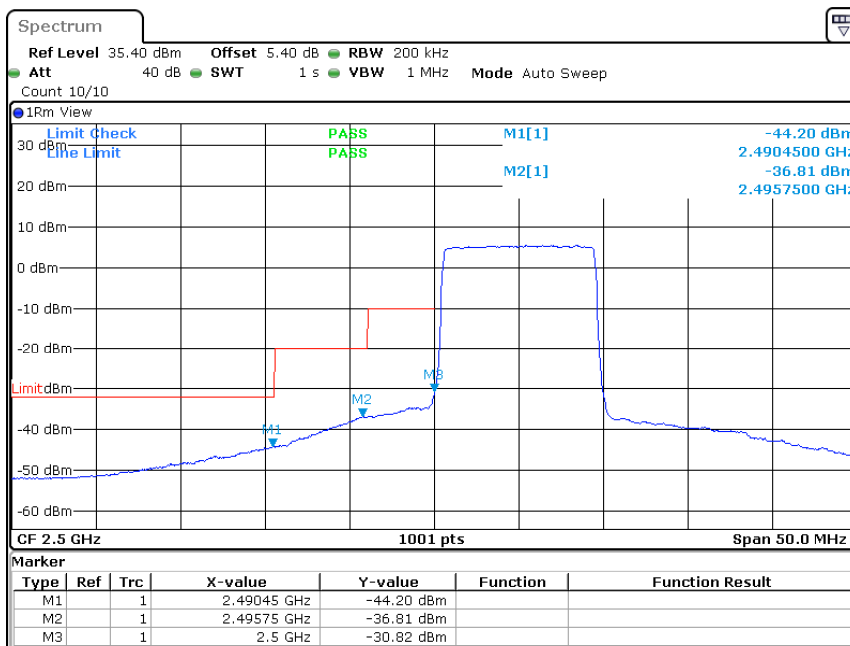


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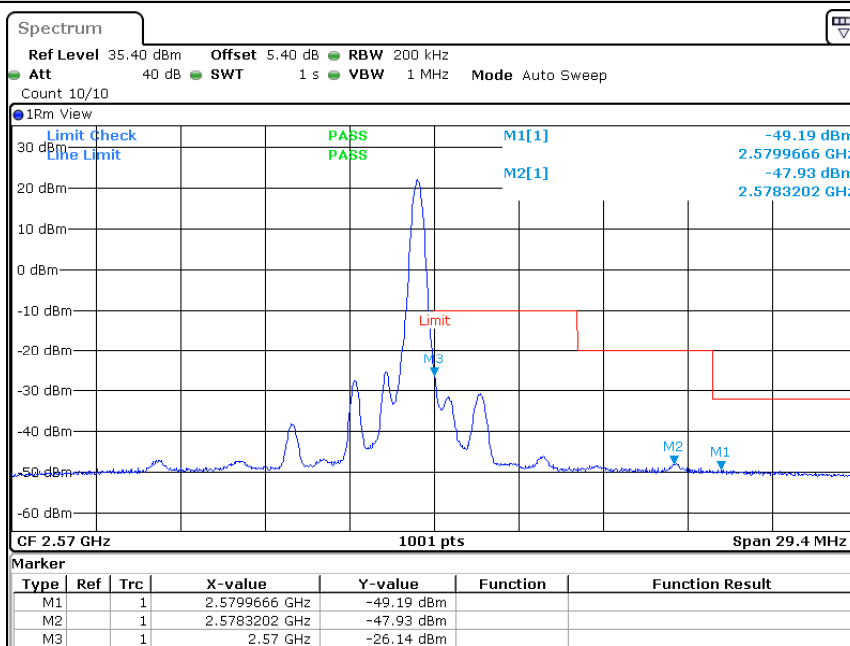


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Date: 16 JUL 2020 04:59:55

Band7-10MHz-16QAM-21400-1RB#49



Date: 16 JUL 2020 04:59:08



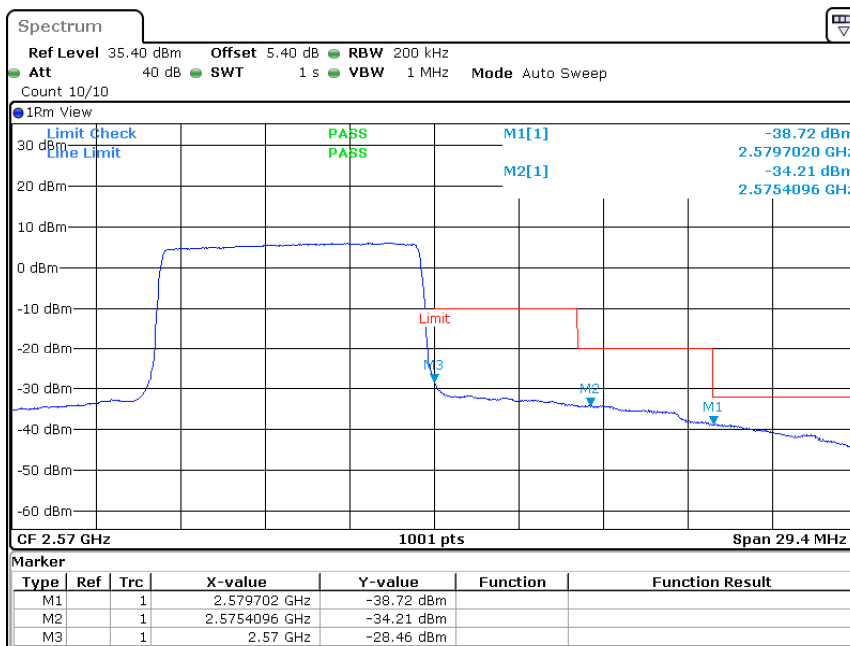
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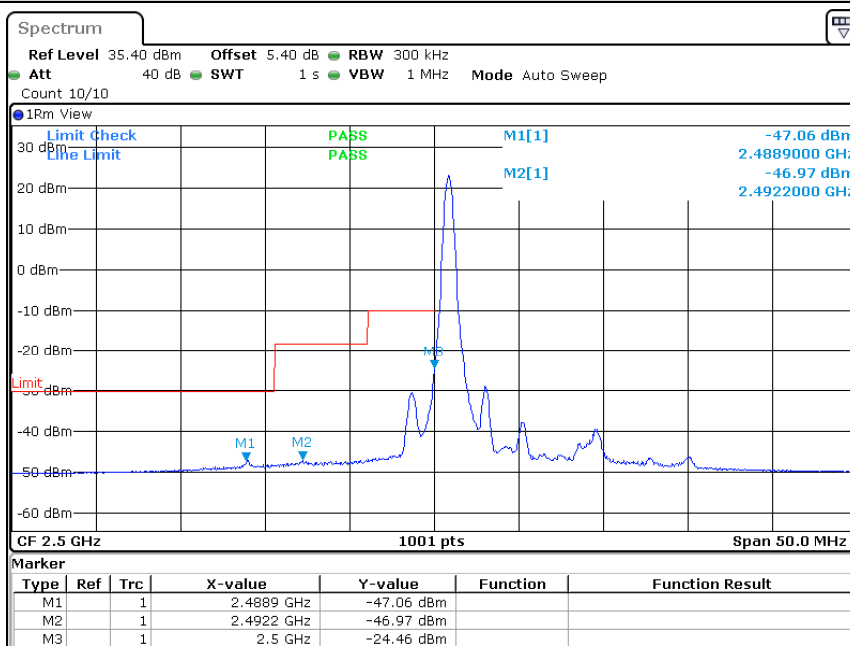


Band7-10MHz-16QAM-21400-50RB#0



Date: 16 JUL 2020 05:00:38

Band7-15MHz-QPSK-20825-1RB#0



Date: 16 JUL 2020 05:01:04



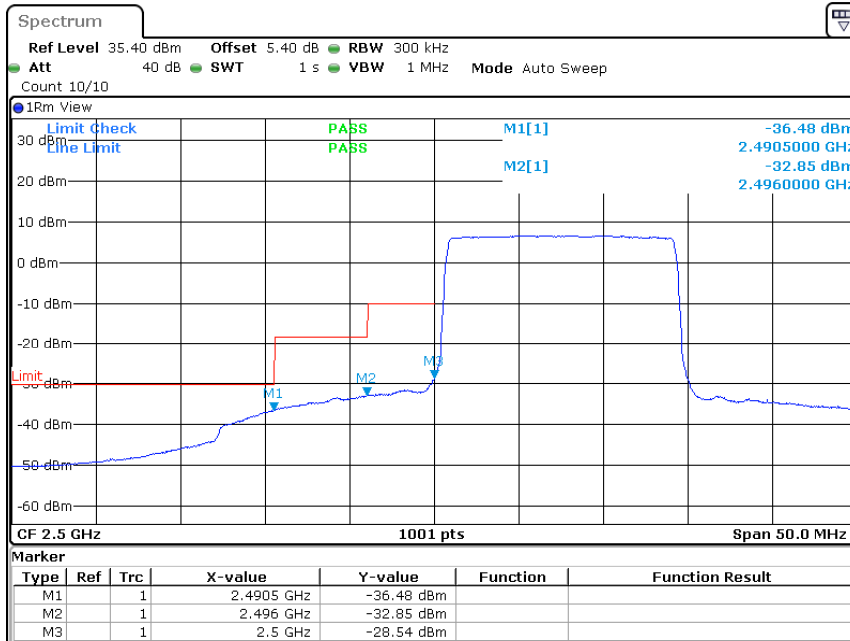
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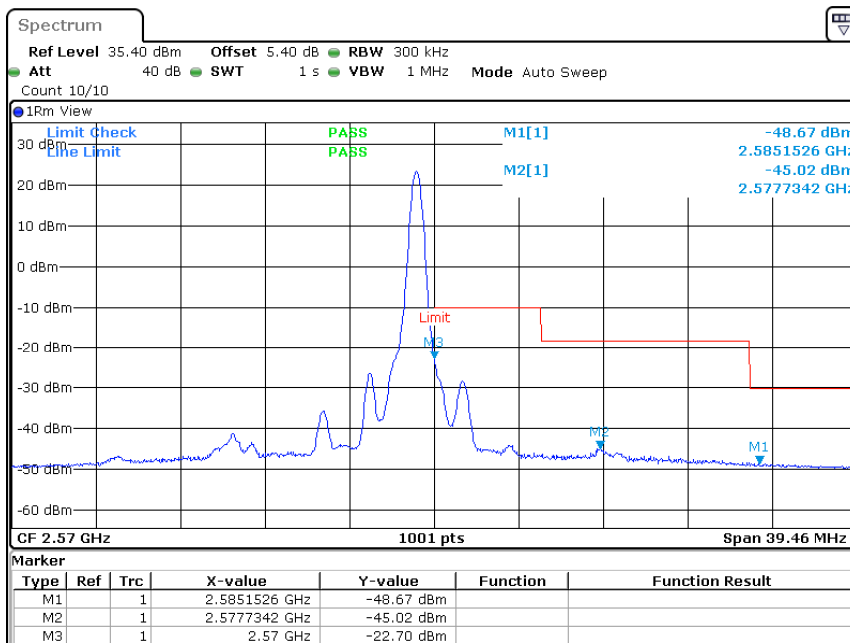
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Band7-15MHz-QPSK-20825-75RB#0



Date: 16 JUL 2020 05:02:38

Band7-15MHz-QPSK-21375-1RB#74

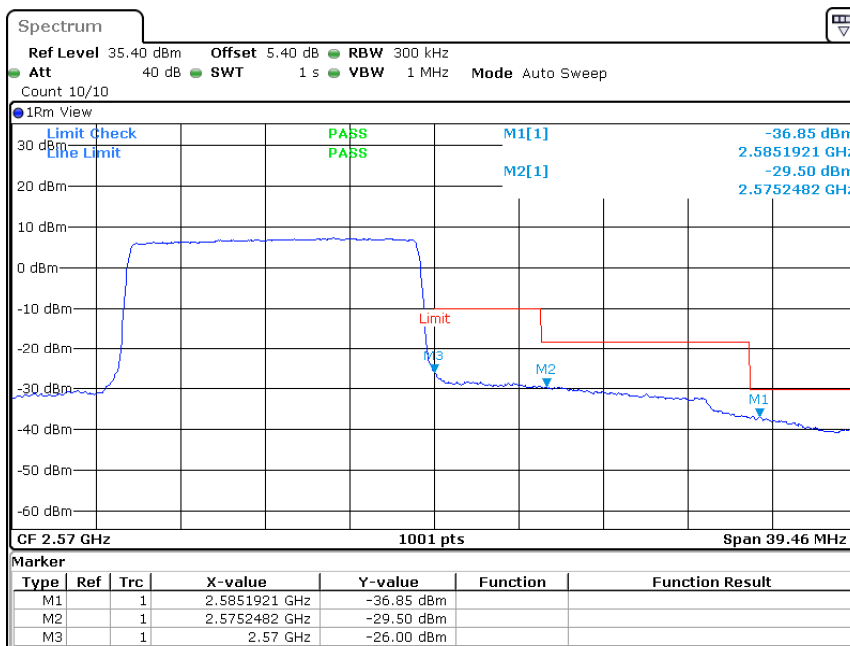


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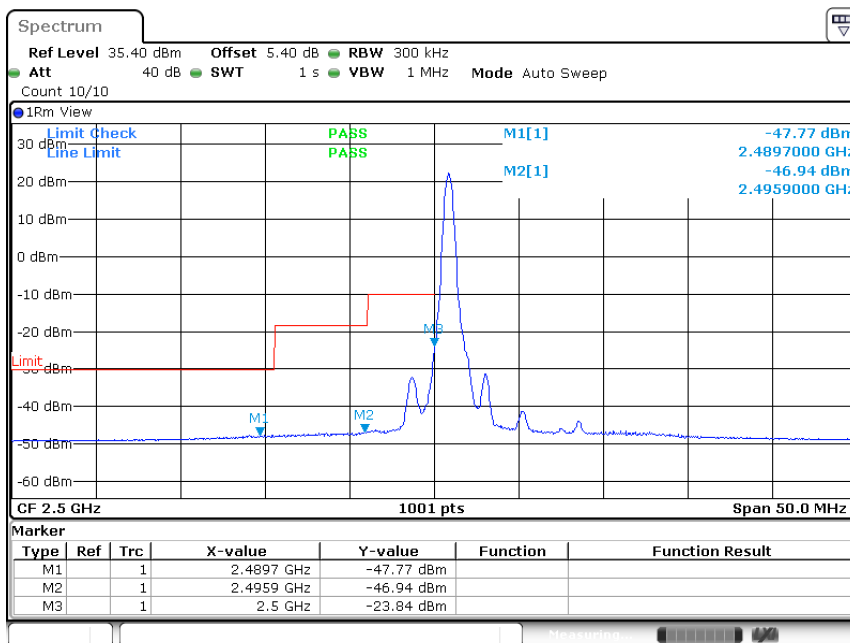


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Date: 16 JUL 2020 05:03:22

Band7-15MHz-64QAM-20825-1RB#0



Date: 11 AUG 2020 00:06:26



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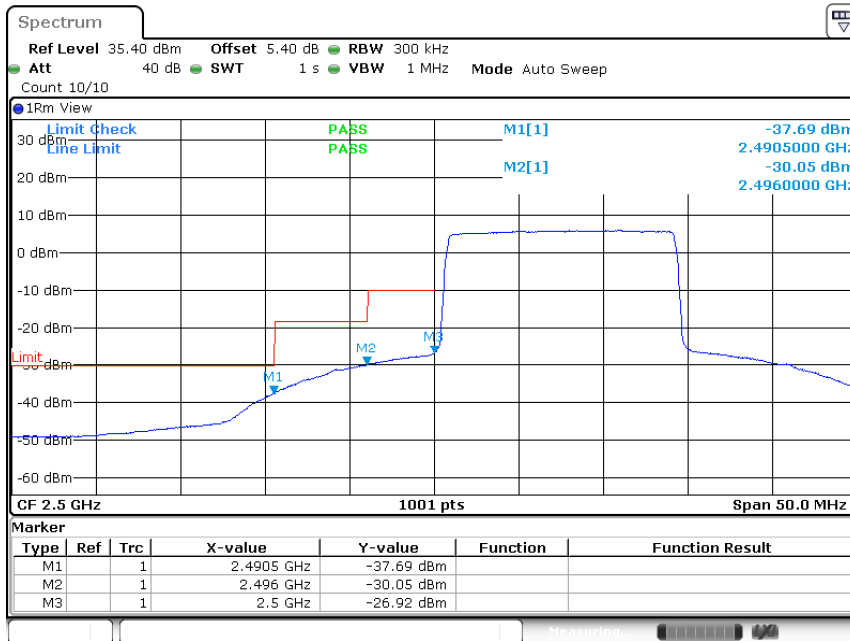
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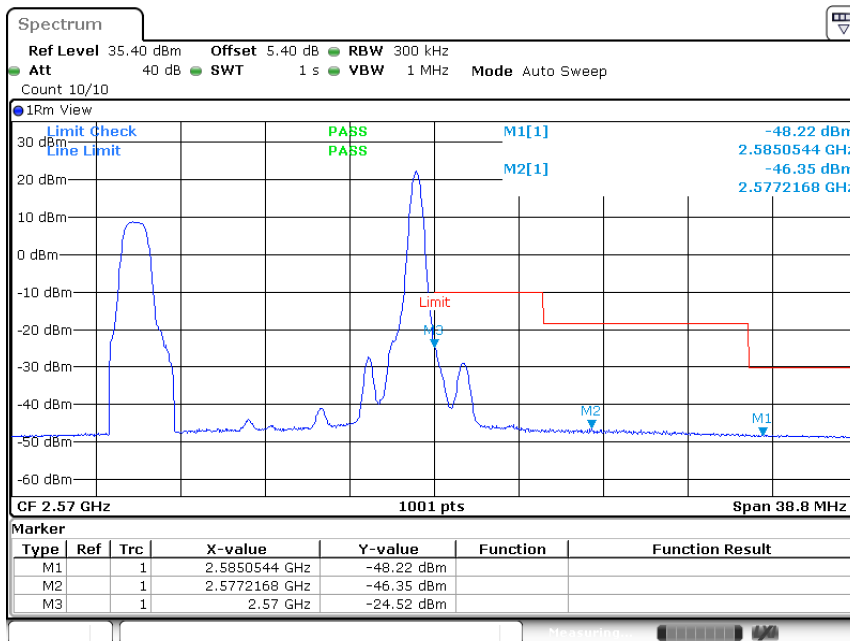


Band7-15MHz-64QAM-20825-75RB#0



Date: 11.AUG.2020 00:07:20

Band7-15MHz-64QAM-21375-1RB#74



Date: 11.AUG.2020 00:06:53



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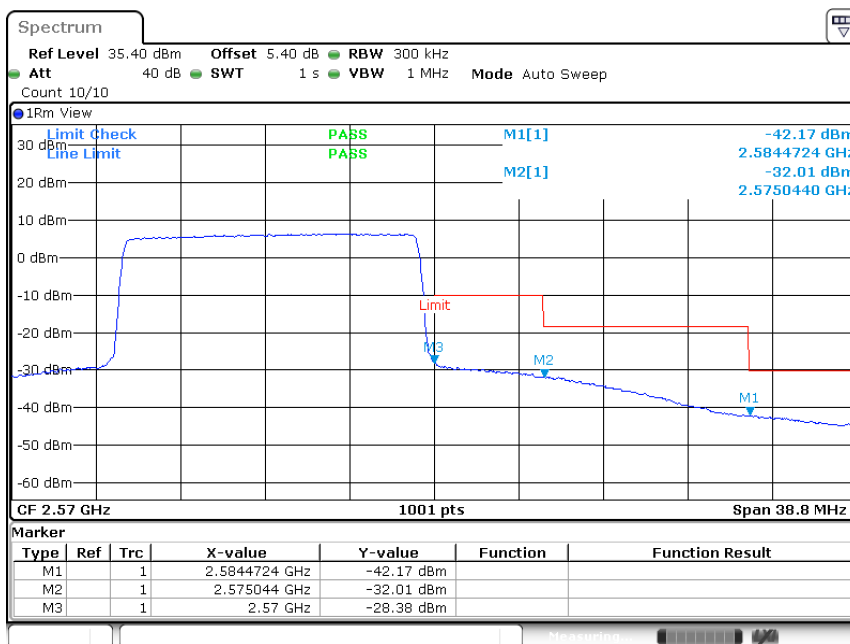
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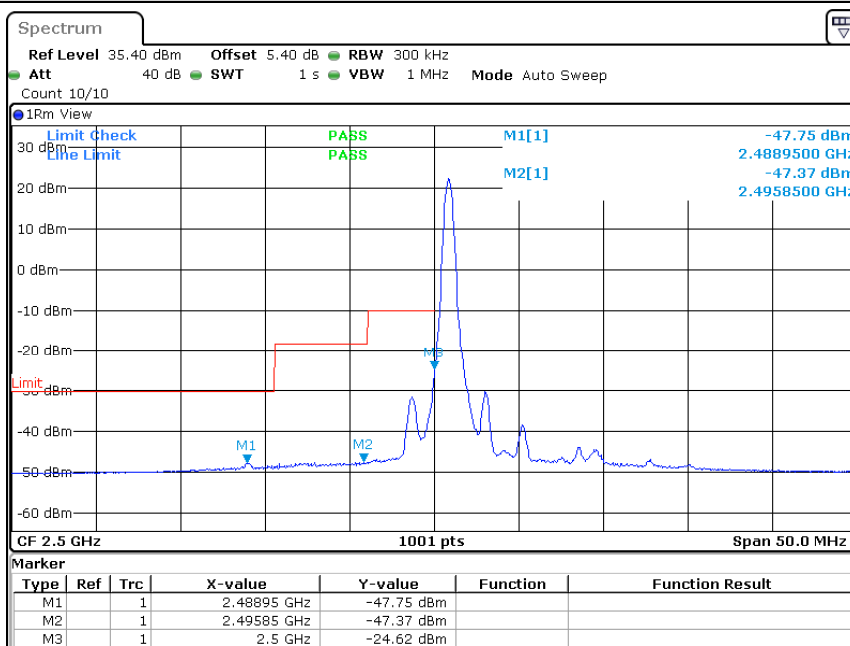


Band7-15MHz-64QAM-21375-75RB#0



Date: 11.AUG.2020 00:07:41

Band7-15MHz-16QAM-20825-1RB#0



Date: 16.JUL.2020 05:01:25



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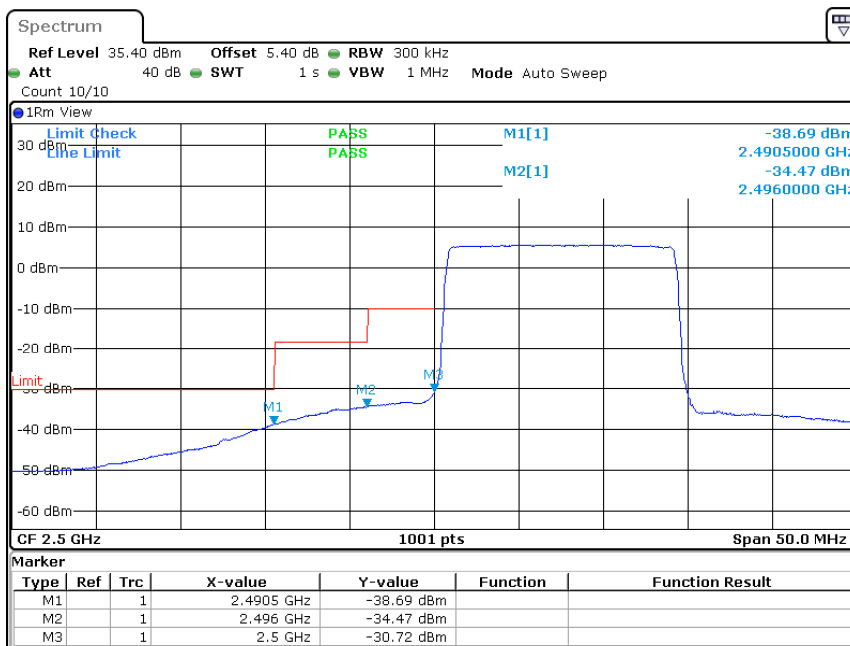
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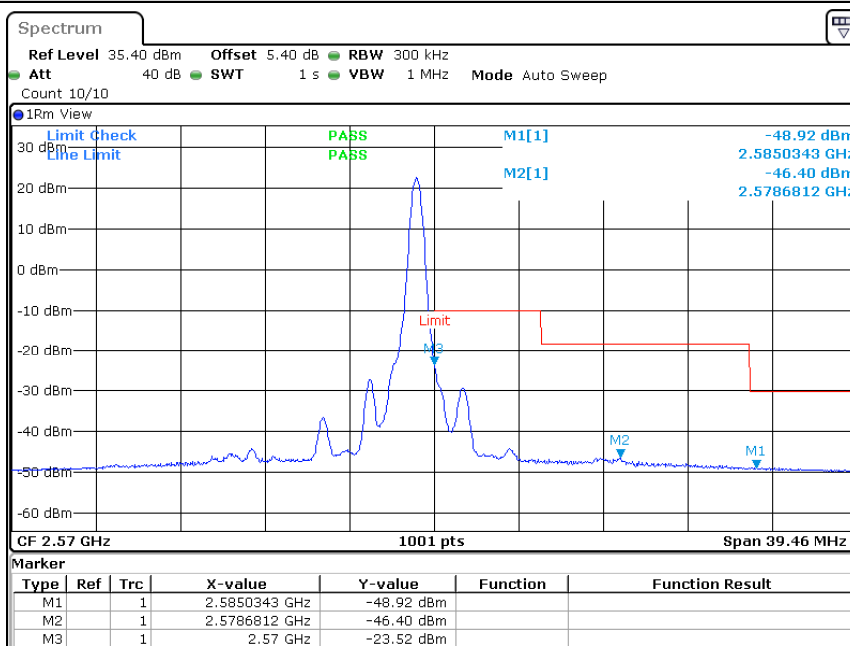


Band7-15MHz-16QAM-20825-75RB#0



Date: 16 JUL 2020 05:03:00

Band7-15MHz-16QAM-21375-1RB#74



Date: 16 JUL 2020 05:02:13

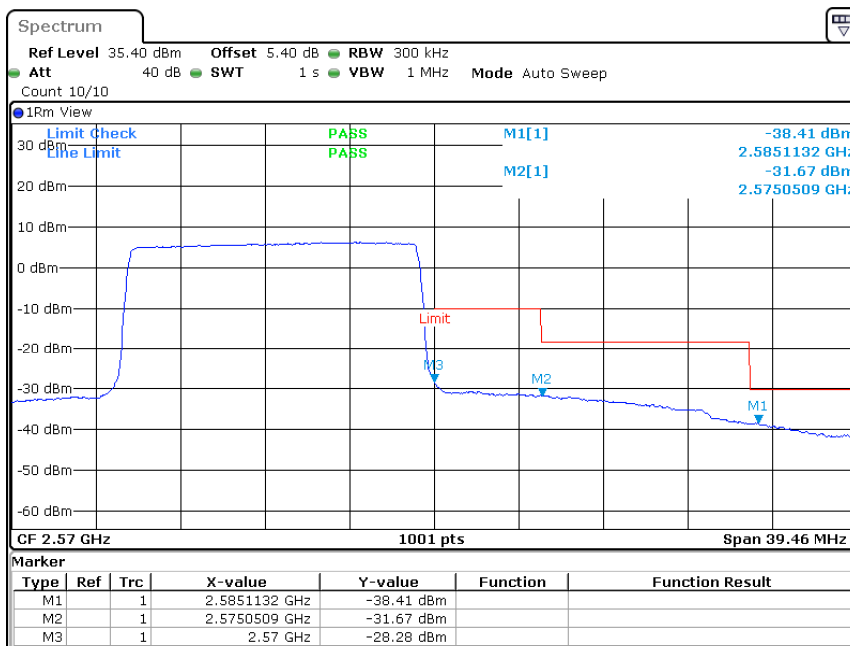


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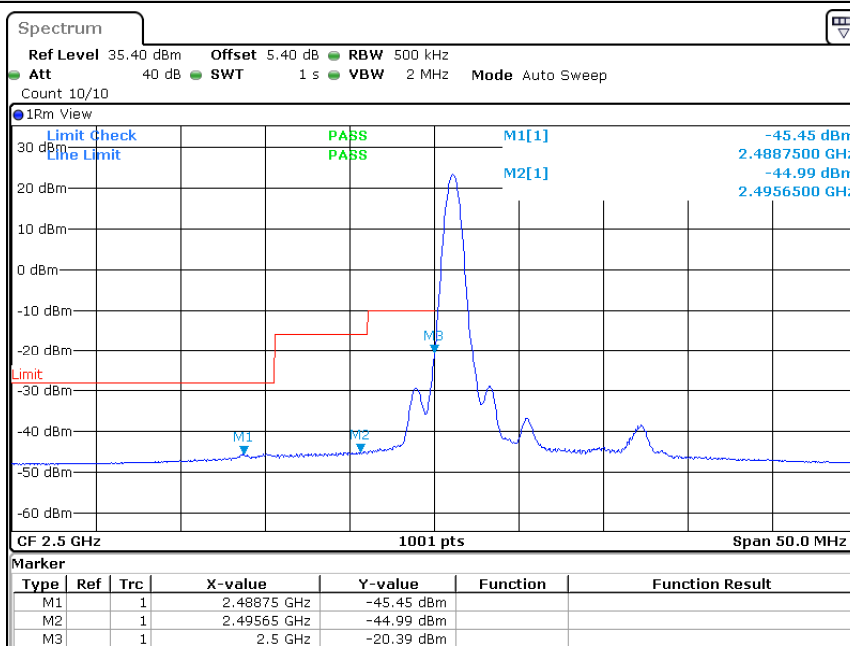
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Band7-15MHz-16QAM-21375-75RB#0



Date: 16 JUL 2020 05:03:43

Band7-20MHz-QPSK-20850-1RB#0



Date: 16 JUL 2020 05:04:09

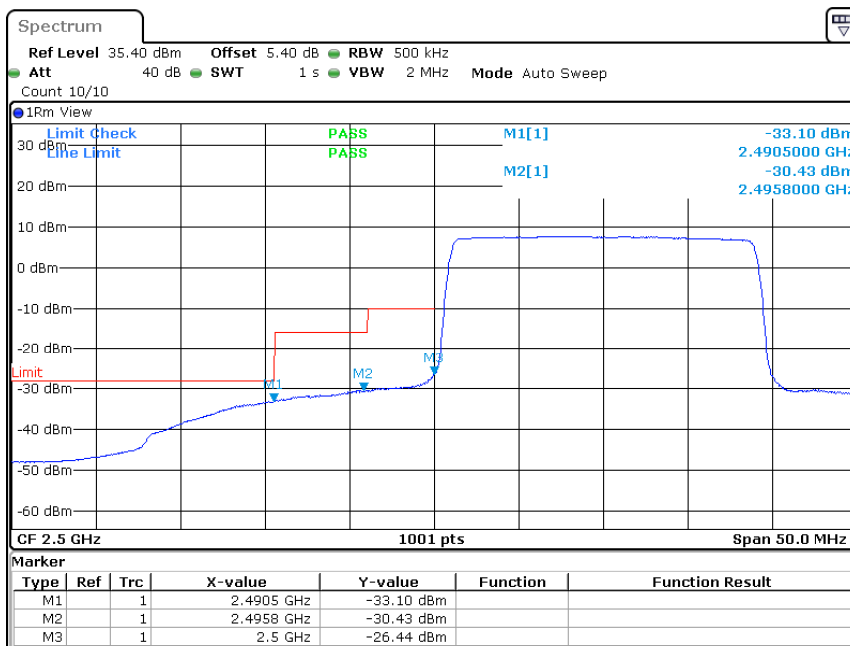


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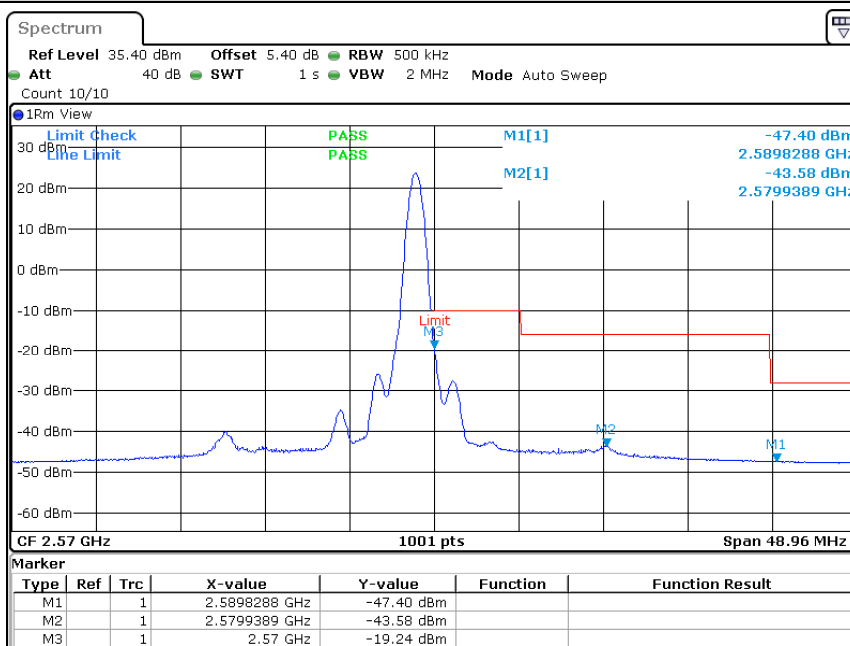


Band7-20MHz-QPSK-20850-100RB#0



Date: 16 JUL 2020 05:05:44

Band7-20MHz-QPSK-21350-1RB#99



Date: 16 JUL 2020 05:04:57



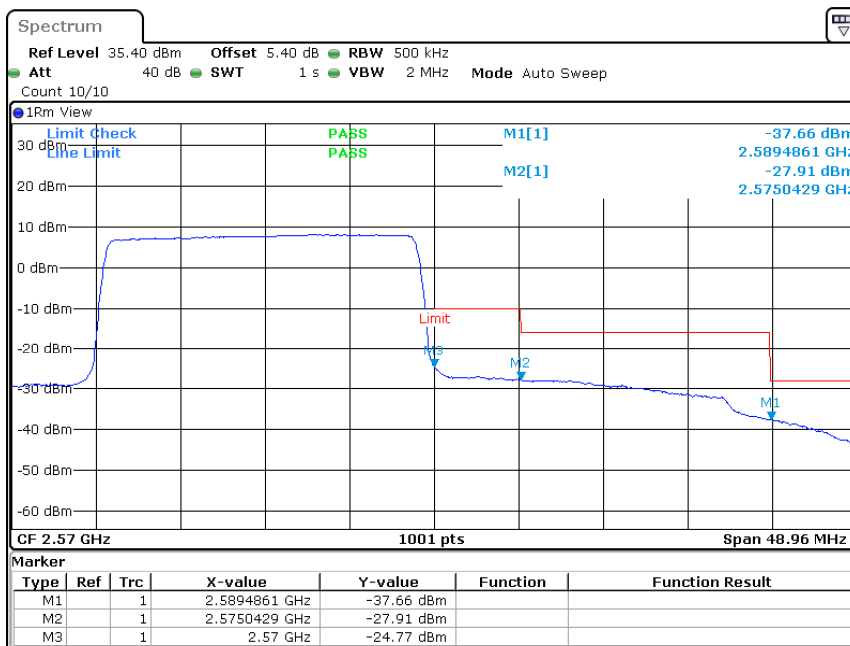
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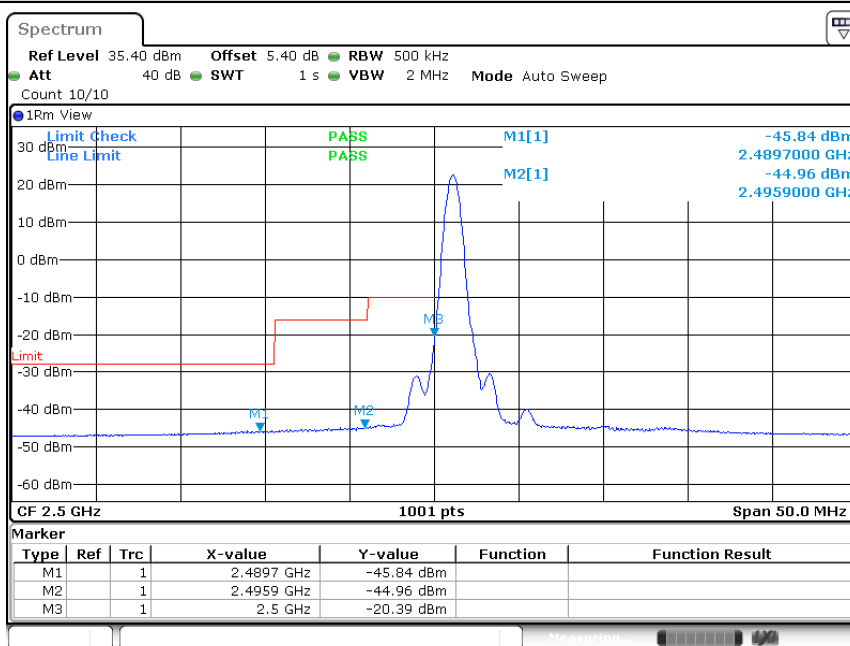


Band7-20MHz-QPSK-21350-100RB#0



Date: 16 JUL 2020 05:06:27

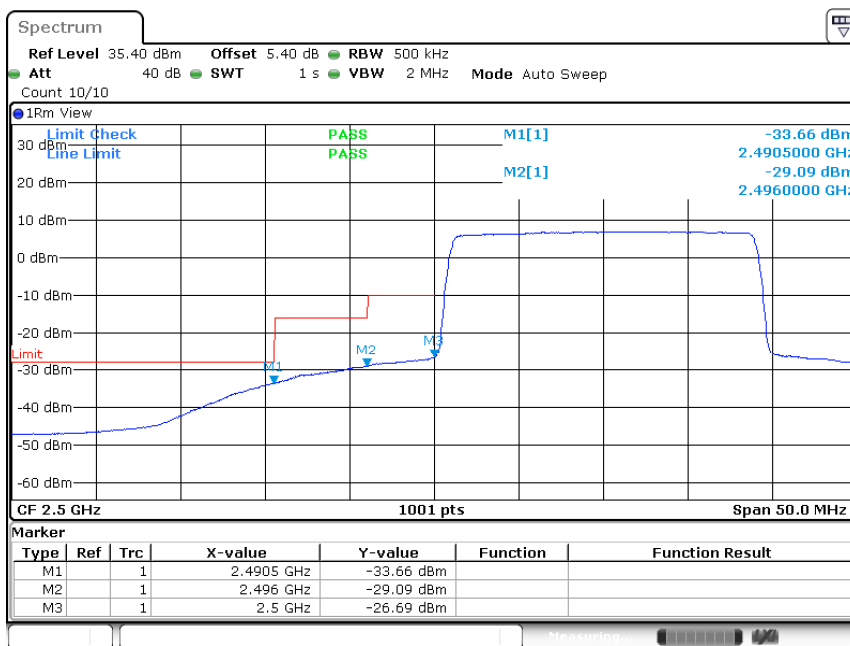
Band7-20MHz-64QAM-20850-1RB#0



Date: 11 AUG 2020 00:08:09

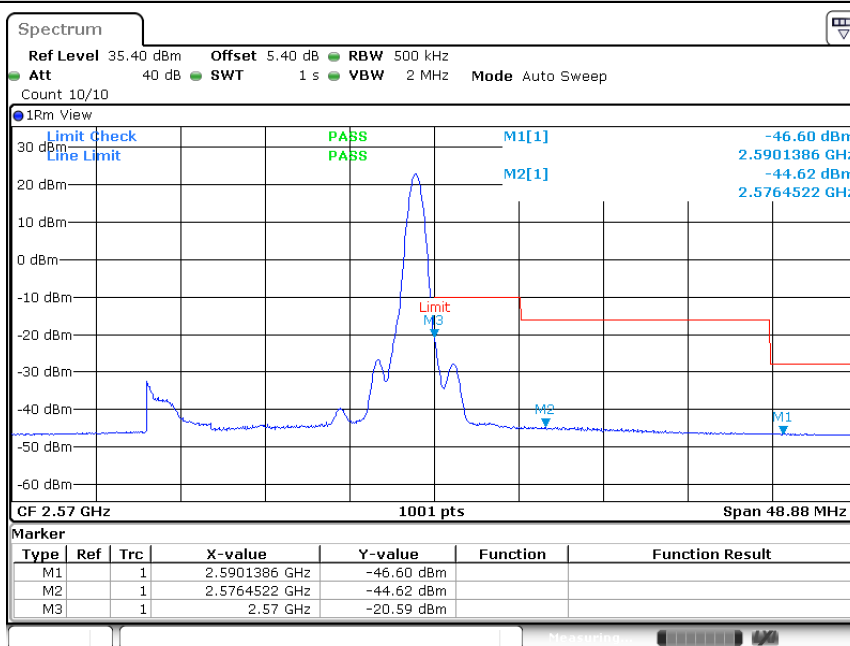


Band7-20MHz-64QAM-20850-100RB#0



Date: 11.AUG.2020 00:09:03

Band7-20MHz-64QAM-21350-1RB#99

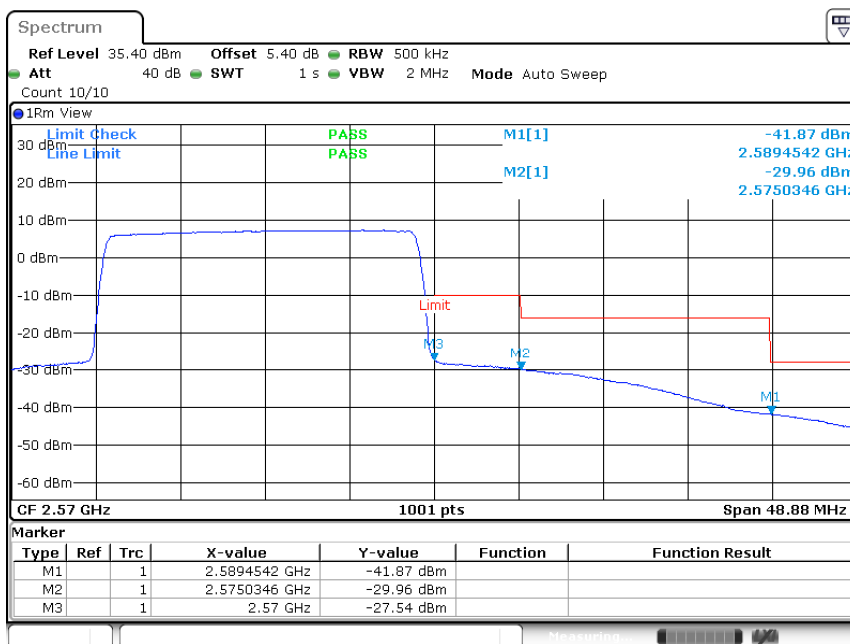


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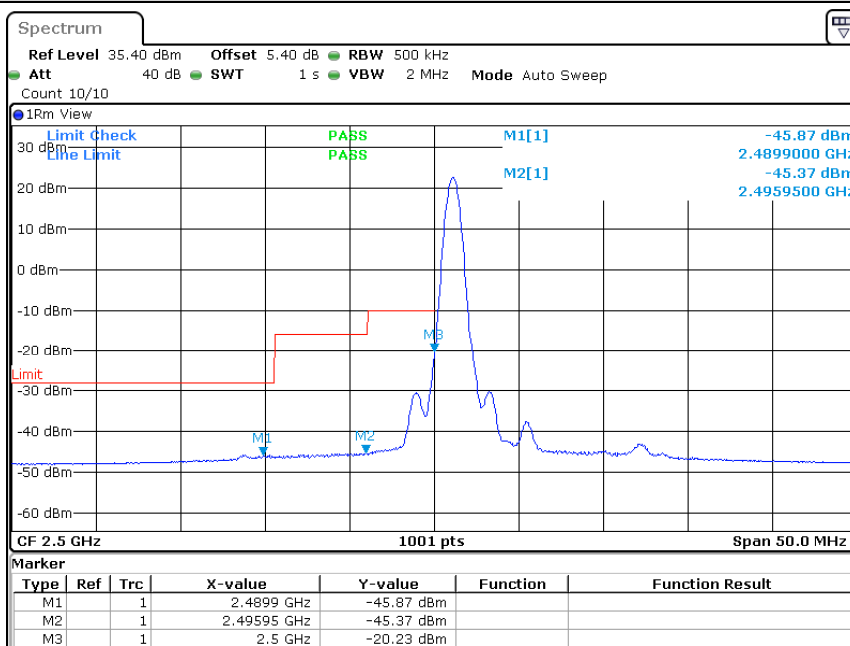


Band7-20MHz-64QAM-21350-100RB#0



Date: 11.AUG.2020 00:09:24

Band7-20MHz-16QAM-20850-1RB#0



Date: 16.JUL.2020 05:04:30



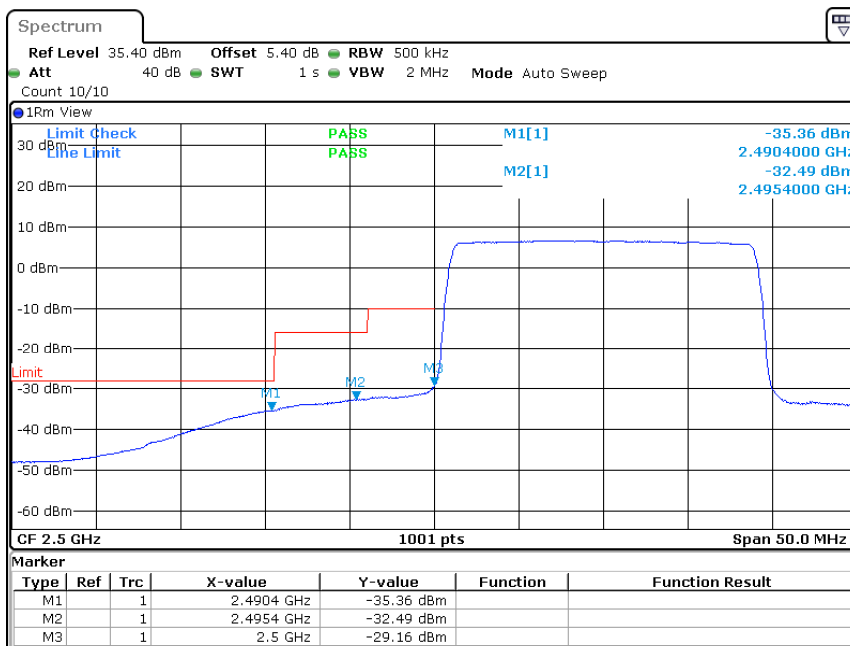
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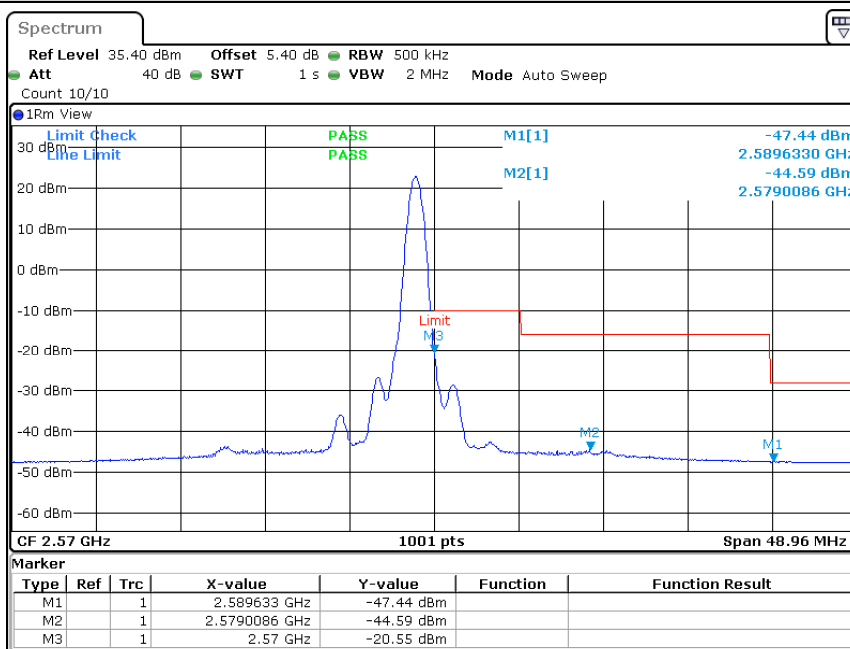
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Band7-20MHz-16QAM-20850-100RB#0



Date: 16 JUL 2020 05:06:05

Band7-20MHz-16QAM-21350-1RB#99



Date: 16 JUL 2020 05:05:18

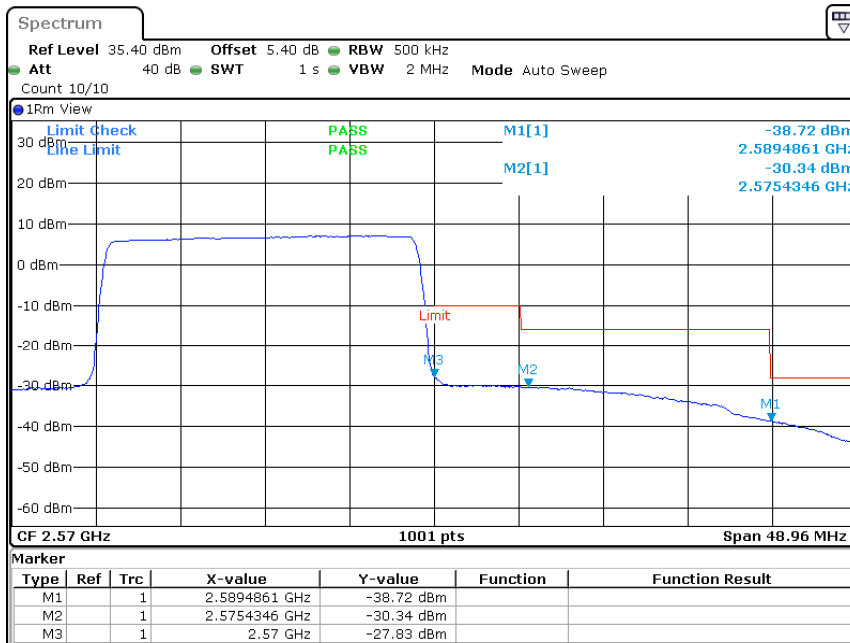


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Band7-20MHz-16QAM-21350-100RB#0



Date: 16 JUL 2020 05:06:48



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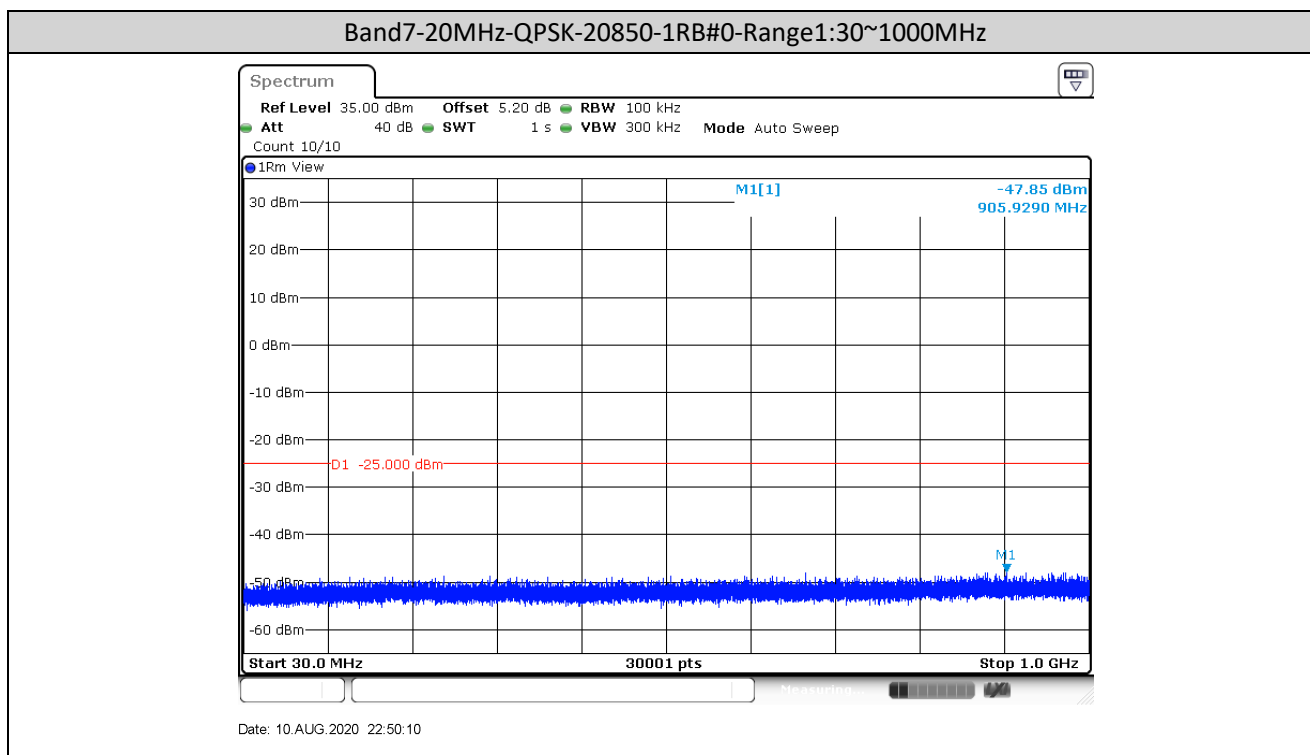
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6. Spurious Emission at Antenna Terminal

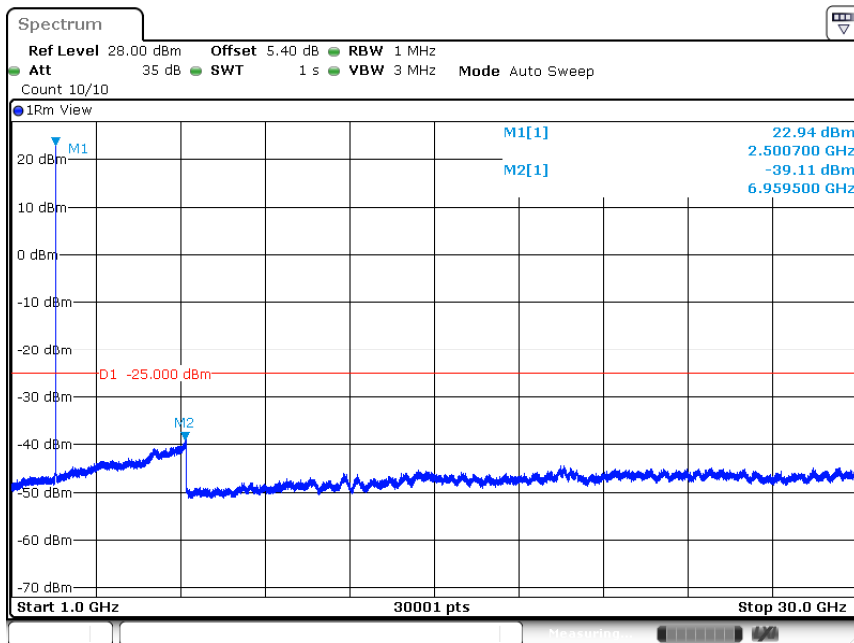
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

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

6.1. Test Plots

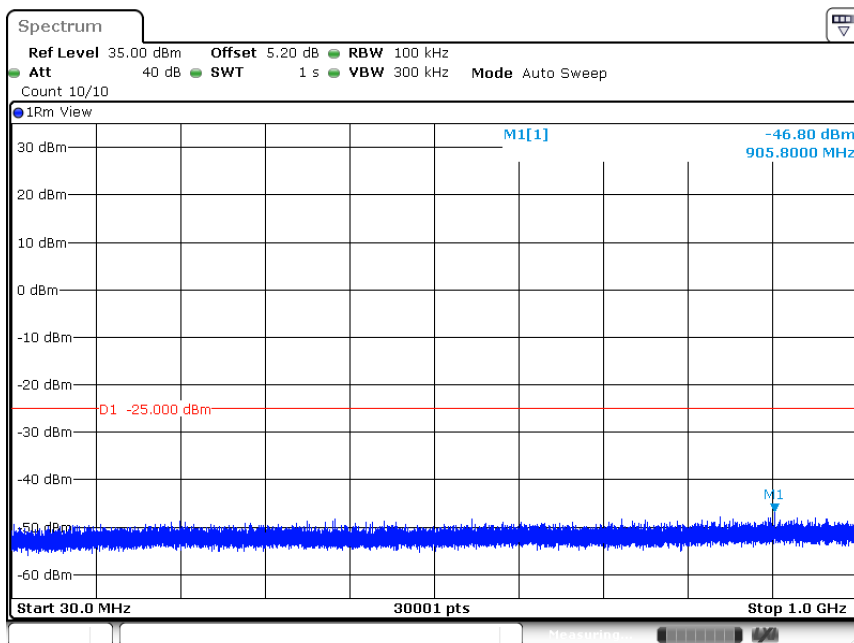


Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 10.AUG.2020 22:50:26

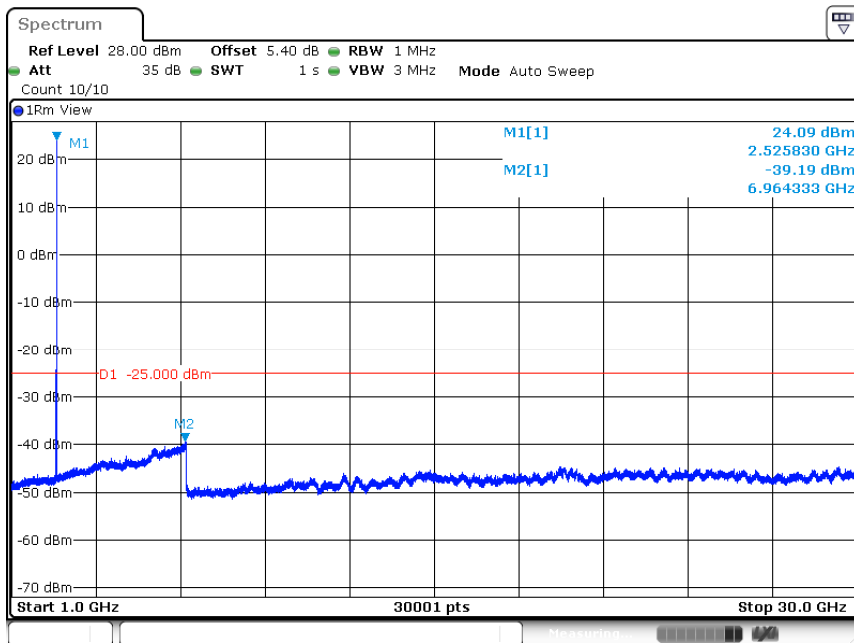
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:51:20

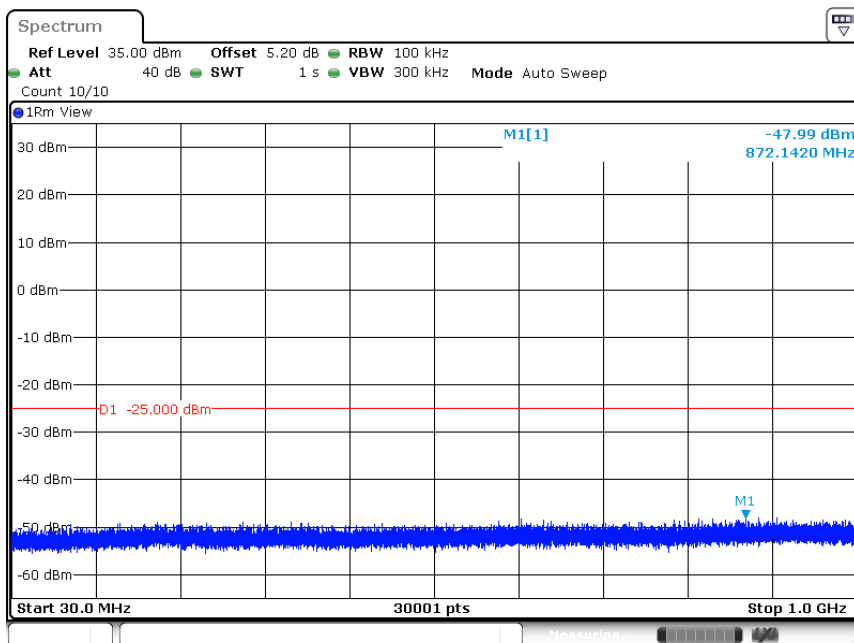


Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 10.AUG.2020 22:51:37

Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



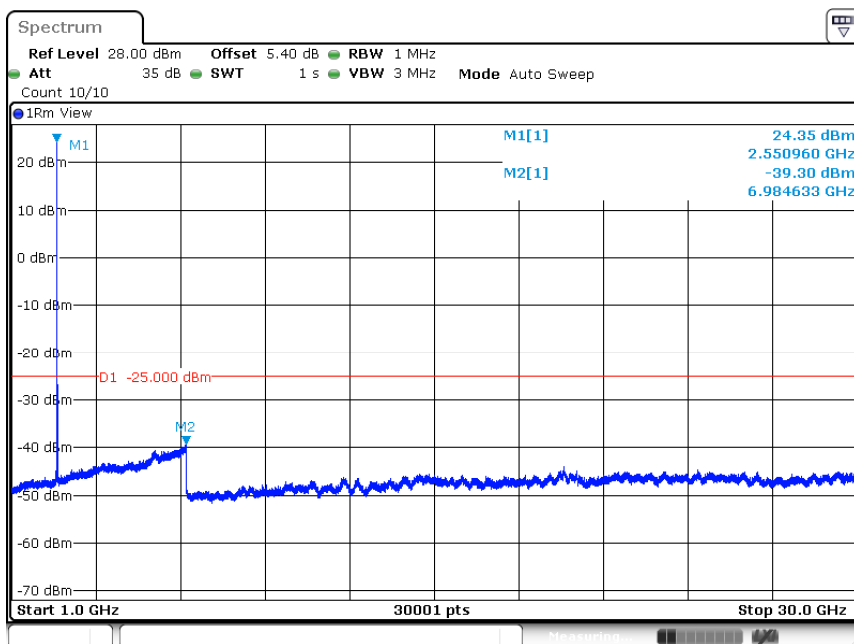
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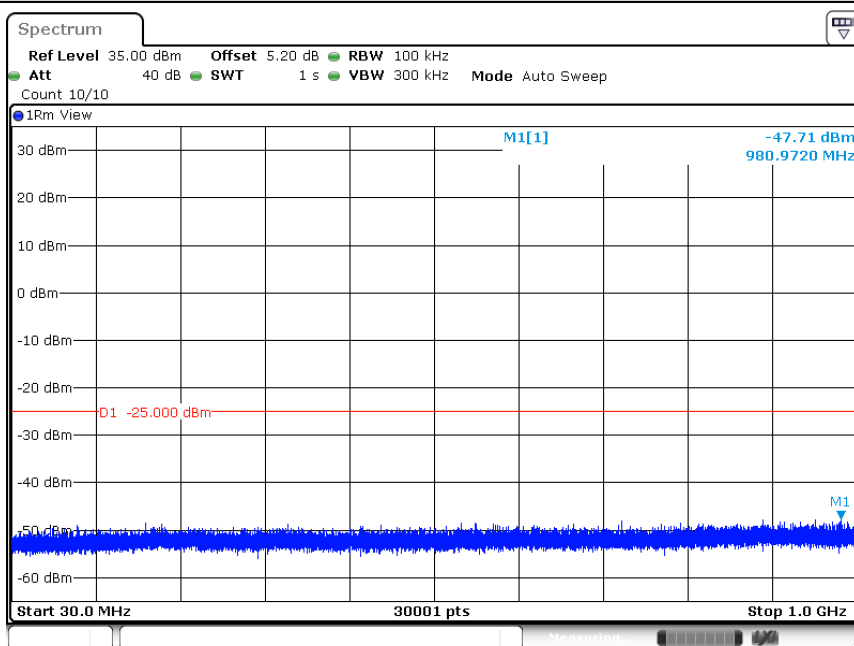
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Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 10.AUG.2020 22:52:47

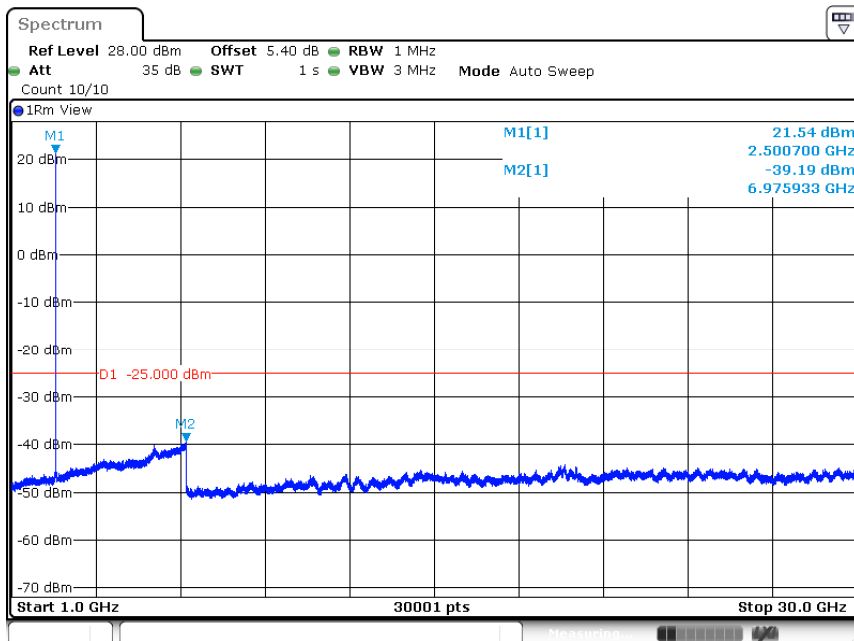
Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



Date: 11.AUG.2020 00:09:48

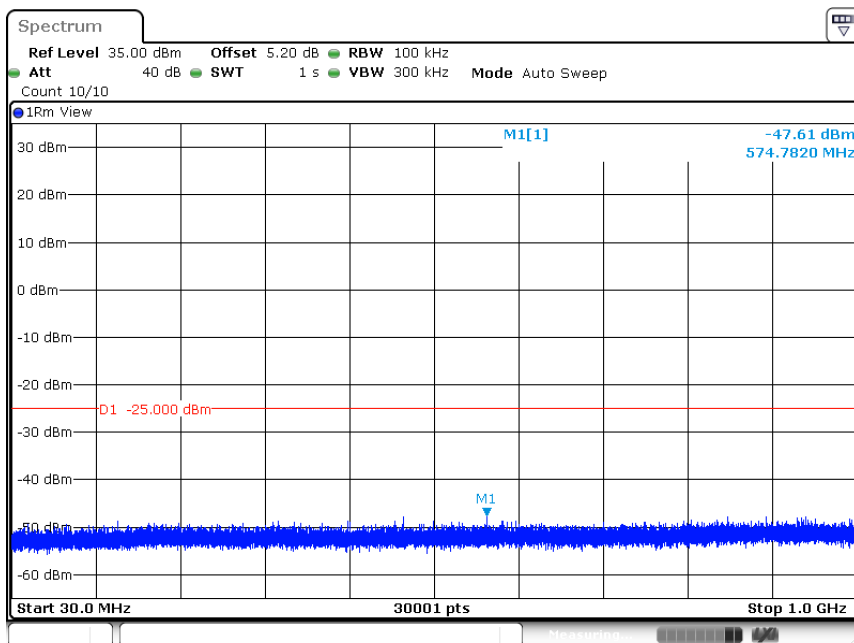


Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 11.AUG.2020 00:10:05

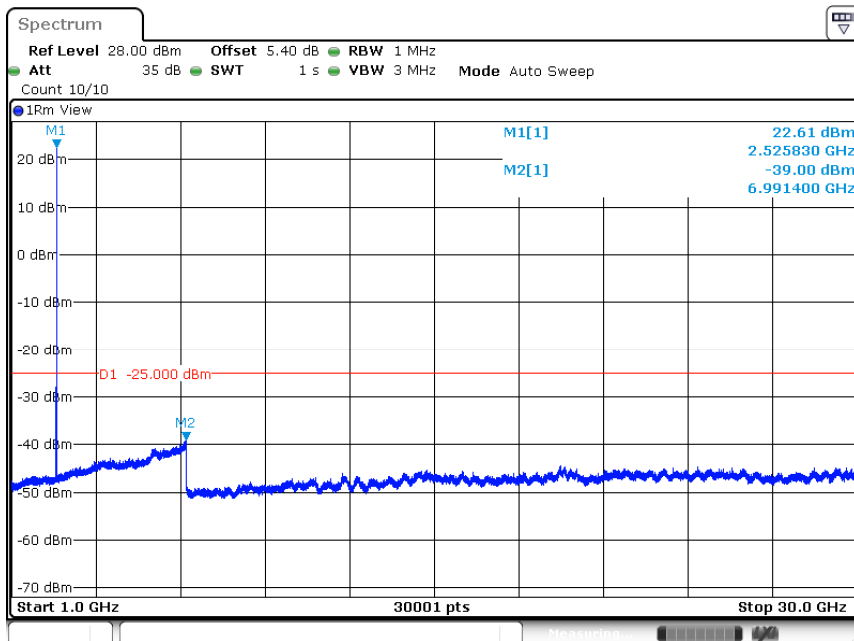
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Date: 11.AUG.2020 00:10:24

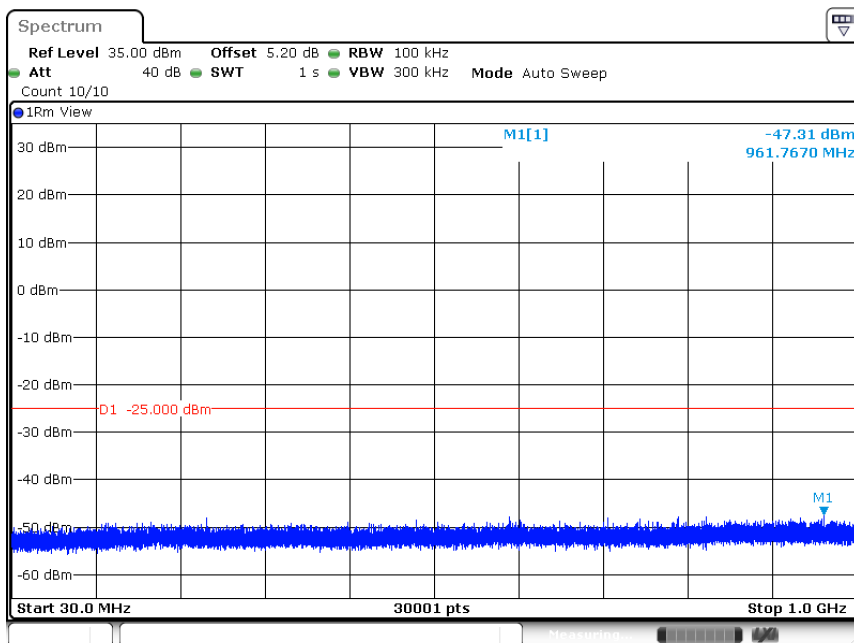


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Date: 11.AUG.2020 00:10:40

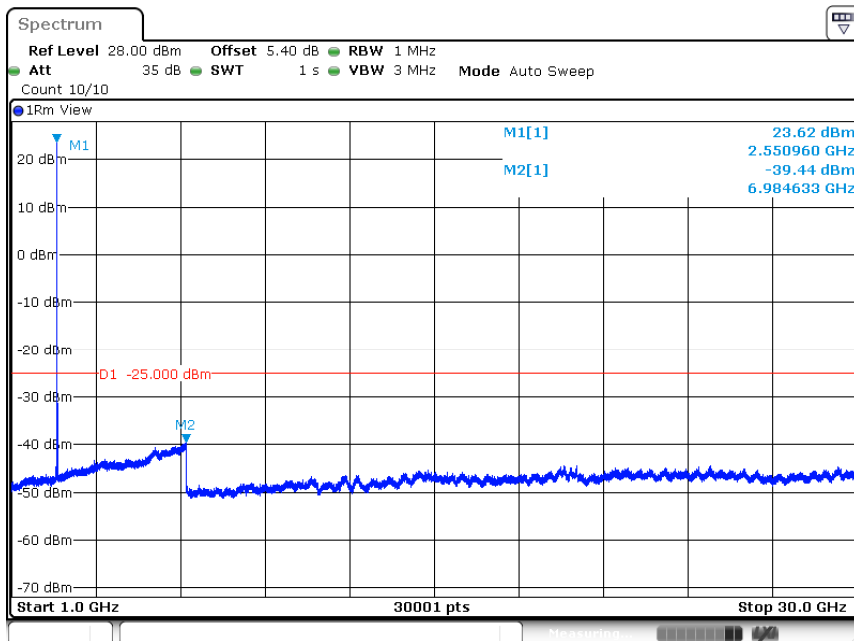
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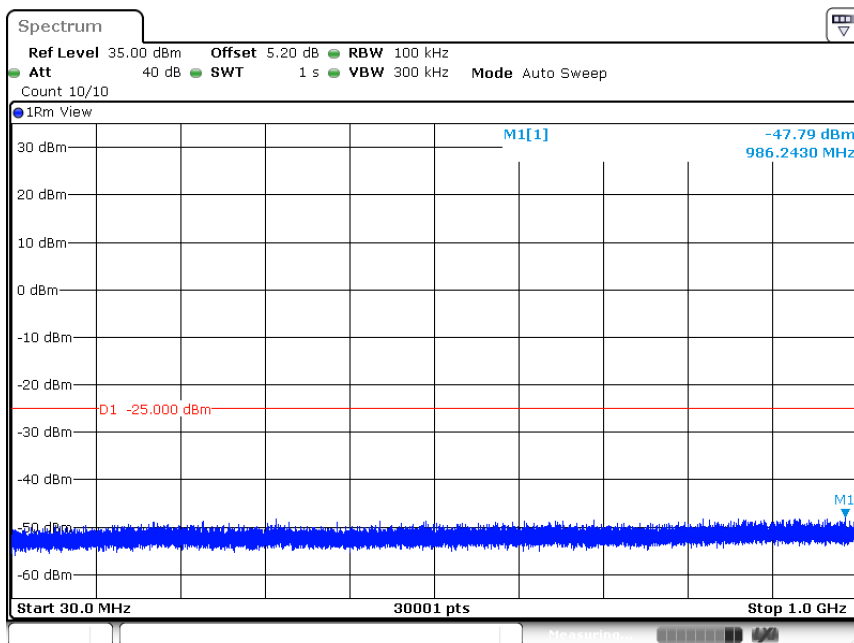


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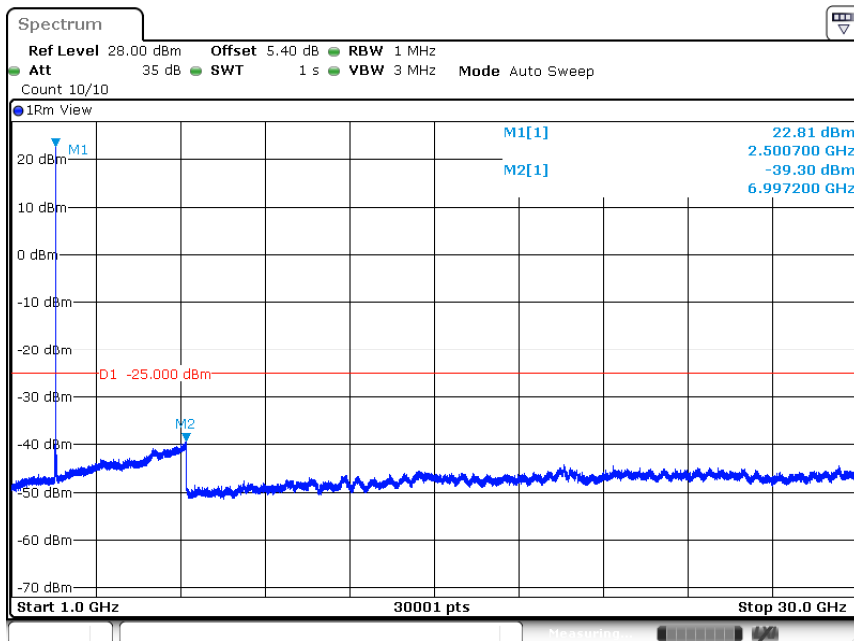
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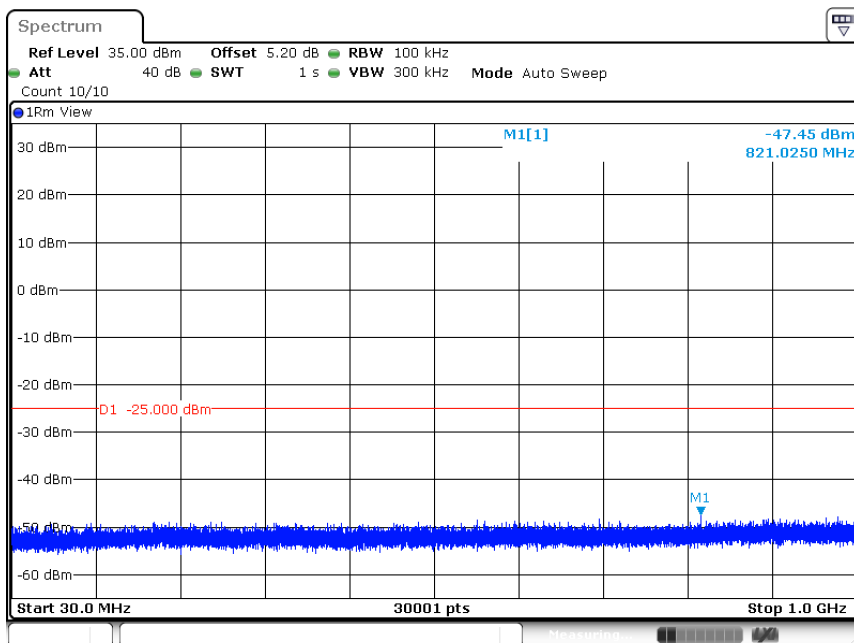


Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 10.AUG.2020 22:51:01

Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz

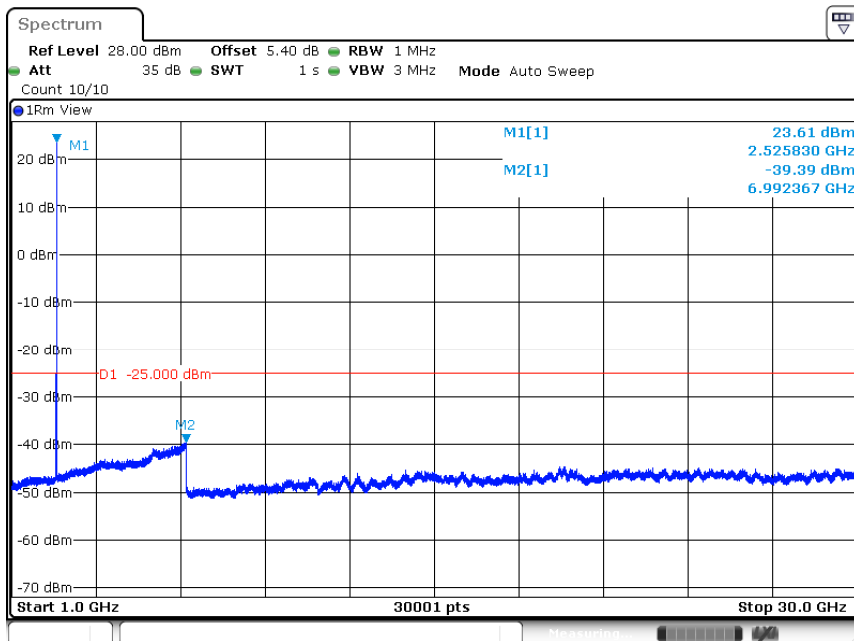


Date: 10.AUG.2020 22:51:56



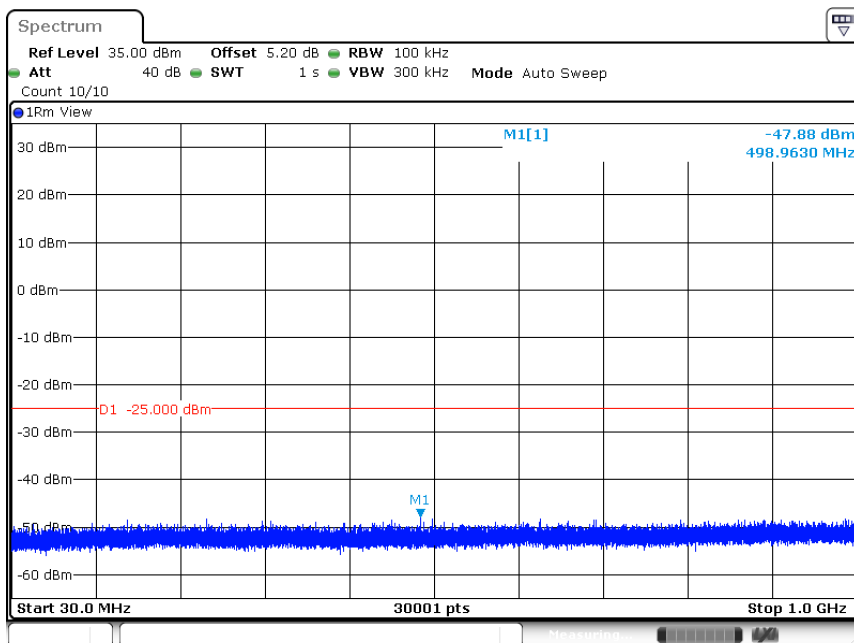
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Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 10.AUG.2020 22:52:12

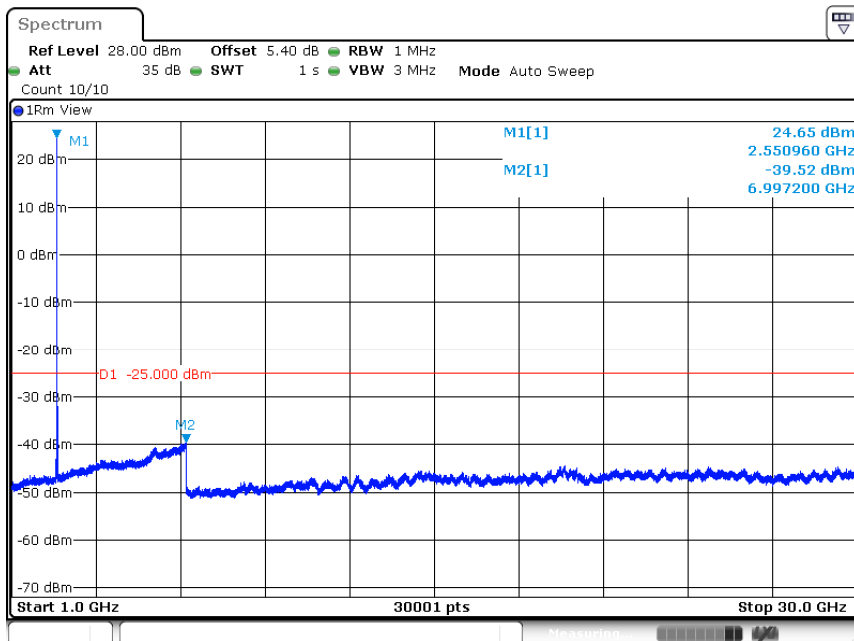
Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 22:53:06



Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 10.AUG.2020 22:53:22



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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 |
|-----------------|-------------|------------------|-------------|--------------|
| 73.9917 | -65.81 | -25.00 | 40.81 | Vertical |
| 390.2760 | -68.85 | -25.00 | 43.85 | Vertical |
| 1280.8562 | -49.28 | -25.00 | 24.28 | Vertical |
| 5002.2801 | -48.50 | -25.00 | 23.50 | Vertical |
| 10004.0802 | -51.58 | -25.00 | 26.58 | Vertical |
| 17997.5999 | -42.40 | -25.00 | 17.40 | Vertical |
| 42.9501 | -64.53 | -25.00 | 39.53 | Horizontal |
| 225.5133 | -68.67 | -25.00 | 43.67 | Horizontal |
| 638.8509 | -64.15 | -25.00 | 39.15 | Horizontal |
| 1780.1560 | -43.45 | -25.00 | 18.45 | Horizontal |
| 5002.2801 | -54.74 | -25.00 | 29.74 | Horizontal |
| 16409.3364 | -45.44 | -25.00 | 20.44 | Horizontal |

7.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 74.4767 | -65.41 | -25.00 | 40.41 | Vertical |
| 343.2772 | -68.77 | -25.00 | 43.77 | Vertical |
| 1488.0976 | -47.71 | -25.00 | 22.71 | Vertical |
| 5052.0821 | -47.19 | -25.00 | 22.19 | Vertical |
| 10104.2842 | -51.19 | -25.00 | 26.19 | Vertical |
| 17998.1999 | -42.54 | -25.00 | 17.54 | Vertical |
| 47.2184 | -64.81 | -25.00 | 39.81 | Horizontal |
| 245.7873 | -68.76 | -25.00 | 43.76 | Horizontal |
| 620.8565 | -64.85 | -25.00 | 39.85 | Horizontal |
| 1798.1596 | -44.59 | -25.00 | 19.59 | Horizontal |
| 5052.0821 | -53.14 | -25.00 | 28.14 | Horizontal |
| 16374.5350 | -46.12 | -25.00 | 21.12 | Horizontal |



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7.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 73.9917 | -65.18 | -25.00 | 40.18 | Vertical |
| 340.2215 | -69.93 | -25.00 | 44.93 | Vertical |
| 1234.8470 | -49.48 | -25.00 | 24.48 | Vertical |
| 5101.8841 | -45.18 | -25.00 | 20.18 | Vertical |
| 10204.4882 | -50.45 | -25.00 | 25.45 | Vertical |
| 17998.8000 | -42.38 | -25.00 | 17.38 | Vertical |
| 42.9987 | -64.61 | -25.00 | 39.61 | Horizontal |
| 229.9755 | -69.28 | -25.00 | 44.28 | Horizontal |
| 514.2967 | -66.56 | -25.00 | 41.56 | Horizontal |
| 1621.7243 | -46.01 | -25.00 | 21.01 | Horizontal |
| 5101.8841 | -54.68 | -25.00 | 29.68 | Horizontal |
| 16398.5359 | -46.02 | -25.00 | 21.02 | 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.





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 |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | VL | NT | -19.50 | -0.007769 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | VN | NT | -15.20 | -0.006056 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | VH | NT | -16.90 | -0.006733 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | VL | NT | -5.40 | -0.002130 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | VN | NT | 7.30 | 0.002880 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | VH | NT | -9.90 | -0.003905 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | VL | NT | -1.70 | -0.000664 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | VN | NT | -5.50 | -0.002148 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | VH | NT | -6.70 | -0.002617 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | VL | NT | -15.40 | -0.006135 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | VN | NT | -15.60 | -0.006215 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | VH | NT | -14.50 | -0.005777 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | VL | NT | 9.50 | 0.003748 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | VN | NT | -13.70 | -0.005404 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | VH | NT | -12.30 | -0.004852 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | VL | NT | 0.70 | 0.000273 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | VN | NT | -5.60 | -0.002188 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | VH | NT | -7.00 | -0.002734 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | VL | NT | -7.80 | -0.003108 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | VN | NT | -5.50 | -0.002191 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | VH | NT | -9.80 | -0.003904 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | VL | NT | 0.10 | 0.000039 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | VN | NT | -2.60 | -0.001026 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | VH | NT | -1.30 | -0.000513 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | VL | NT | 7.40 | 0.002891 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | VN | NT | -2.30 | -0.000898 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | VH | NT | 1.90 | 0.000742 | ±2.5 | PASS |



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8.2. Frequency Vs Temperature

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | NV | -30 | -6.20 | -0.002470 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | NV | -20 | -13.90 | -0.005538 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | NV | -10 | -10.50 | -0.004183 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | NV | 0 | -16.30 | -0.006494 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | NV | 10 | -11.90 | -0.004741 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | NV | 20 | -10.00 | -0.003984 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | NV | 30 | -4.60 | -0.001833 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | NV | 40 | -12.20 | -0.004861 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 20850 | 100RB#0 | NV | 50 | -5.60 | -0.002231 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | NV | -30 | -2.30 | -0.000907 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | NV | -20 | -8.80 | -0.003471 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | NV | -10 | -7.60 | -0.002998 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | NV | 0 | 2.60 | 0.001026 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | NV | 10 | 1.70 | 0.000671 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | NV | 20 | 6.00 | 0.002367 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | NV | 30 | -7.90 | -0.003116 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | NV | 40 | -2.40 | -0.000947 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21100 | 100RB#0 | NV | 50 | 0.30 | 0.000118 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | NV | -30 | -3.90 | -0.001523 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | NV | -20 | 2.20 | 0.000859 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | NV | -10 | -4.10 | -0.001602 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | NV | 0 | -3.10 | -0.001211 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | NV | 10 | 0.30 | 0.000117 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | NV | 20 | 6.60 | 0.002578 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | NV | 30 | -2.90 | -0.001133 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | NV | 40 | 0.00 | 0.000000 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK | 21350 | 100RB#0 | NV | 50 | -9.80 | -0.003828 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | NV | -30 | -16.20 | -0.006454 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | NV | -20 | -13.00 | -0.005179 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | NV | -10 | -9.80 | -0.003904 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | NV | 0 | -1.90 | -0.000757 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | NV | 10 | -5.70 | -0.002271 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | NV | 20 | -6.60 | -0.002629 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | NV | 30 | -4.50 | -0.001793 | ±2.5 | PASS |



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| | | | | | | | | | | |
|-------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | NV | 40 | -4.20 | -0.001673 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 20850 | 100RB#0 | NV | 50 | -9.40 | -0.003745 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | NV | -30 | -11.70 | -0.004615 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | NV | -20 | -5.30 | -0.002091 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | NV | -10 | -6.50 | -0.002564 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | NV | 0 | 0.70 | 0.000276 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | NV | 10 | -13.60 | -0.005365 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | NV | 20 | -1.80 | -0.000710 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | NV | 30 | 6.40 | 0.002525 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | NV | 40 | -0.70 | -0.000276 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21100 | 100RB#0 | NV | 50 | -13.60 | -0.005365 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | NV | -30 | 3.60 | 0.001406 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | NV | -20 | -9.40 | -0.003672 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | NV | -10 | 5.40 | 0.002109 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | NV | 0 | 4.10 | 0.001602 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | NV | 10 | -9.20 | -0.003594 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | NV | 20 | -8.10 | -0.003164 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | NV | 30 | -4.90 | -0.001914 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | NV | 40 | 1.70 | 0.000664 | ±2.5 | PASS |
| Band7 | 20MHz | 64QAM | 21350 | 100RB#0 | NV | 50 | -6.80 | -0.002656 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | -30 | -15.60 | -0.006215 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | -20 | -12.60 | -0.005020 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | -10 | -13.50 | -0.005378 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | 0 | -7.80 | -0.003108 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | 10 | -19.80 | -0.007888 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | 20 | -3.30 | -0.001315 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | 30 | -17.70 | -0.007052 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | 40 | -2.70 | -0.001076 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | 50 | -14.50 | -0.005777 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | -30 | -8.00 | -0.003156 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | -20 | -6.80 | -0.002682 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | -10 | 5.30 | 0.002091 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | 0 | 3.70 | 0.001460 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | 10 | -2.10 | -0.000828 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | 20 | 4.70 | 0.001854 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | 30 | -1.20 | -0.000473 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | 40 | 5.00 | 0.001972 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | 50 | -3.60 | -0.001420 | ±2.5 | PASS |



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| | | | | | | | | | | |
|-------|-------|-------|-------|---------|----|-----|-------|-----------|------|------|
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | -30 | 6.30 | 0.002461 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | -20 | 2.30 | 0.000898 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | -10 | 4.30 | 0.001680 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 0 | 0.90 | 0.000352 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 10 | 6.70 | 0.002617 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 20 | -6.10 | -0.002383 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 30 | 4.00 | 0.001563 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 40 | -7.90 | -0.003086 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 50 | -7.70 | -0.003008 | ±2.5 | PASS |

The End

